

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	01/01/14	2.2	73.9	0	23.9	195	-1.3	NA	increased vac to -1.7 inches
GIW-01	01/03/14	2.4	70	0	27.6	192	-7.8	Y	decreased vac to -7.1 inches
GIW-01	01/13/14	0.5	75.4	0	24.1	187	-16.7	Y	decreased vac to -4.2 inches
GIW-01	01/15/14	1.5	68.4	3.1	27	202	-6.9	Y	decreased vac to -5.0 inches (pump eval on 16th)
GIW-01	01/17/14	1.6	76.4	0	22	192	-17	Y	decreased vac to -4.9 inches
GIW-01	01/20/14	1.6	78.6	0	19.8	195	5.5	Y	increased vac to -1.9 inches
GIW-01	01/22/14	1.1	77	0	21.9	191	-10.3	Y	decreased vac to -4.2 inches
GIW-01	01/24/14	0.9	74.5	0	24.6	191	-4.6	Y	
GIW-01	01/27/14	1.2	77.5	0	21.3	193	-4.7	Y	
GIW-01	01/29/14	1.1	73.4	0	25.5	195	2.3	Y	increased vac to -2.3 inches
GIW-01	02/03/14	1	70.3	0	28.7	192	-4.3	Y	
GIW-01	02/05/14	0.4	73.6	0	26	189	-3.8	Y	
GIW-01	02/07/14	1.1	76.5	0.1	22.3	202	-2.9	Y	
GIW-01	02/10/14	1.1	76	0.1	22.8	193	-15.6	N	(decreased vac to -3.9 inches) Replace rod and foot valve
GIW-01	02/12/14	1	77.1	0	21.9	195	-9.1	Y	decreased vac to -8.1 inches
GIW-01	02/14/14	1	73.3	0	25.7	195	-4.8	Y	
GIW-01	02/17/14	0.6	72.8	0	26.6	189	-22.8	Y	decreased vac to -19.1 inches
GIW-01	02/19/14	2.7	76.6	0	20.7	196	-2.3	Y	increased vac to -3.3 inches
GIW-01	02/21/14	1	71.5	0	27.5	191	-17.2	N	decreased vac to -16.9 inches (replaced air nipple and line)
GIW-01	02/24/14	4.2	76.2	0	19.6	197	-9.1	Y	decreased vac -8.7 inches
GIW-01	02/26/14	0.7	74.5	0	24.8	190	-21	N	decreased vac to -20.5 inches (blown seal)
GIW-01	02/28/14	0.6	73	0	26.4	190	-19.4	N	decreased vac to -18.8 inches (replaced valve)
GIW-01	03/03/14	0.6	75.8	0	23.6	194	-18.4	N	decreased vac to -17.3 inches (replaced pump)
GIW-01	03/05/14	0.5	74.2	0	25.3	190	-20.6	Y	decreased vac to -18.9 inches
GIW-01	03/07/14	0.6	78.3	0	21.1	191	-22.5	Y	decreased vac to -20.5 inches
GIW-01	03/10/14	0.5	74.5	0	25	192	-10.7	Y	decreased vac to -9.7 inches
GIW-01	03/12/14	0.6	75.2	0	24.2	190	-11.7	Y	decreased vac to -8.6 inches
GIW-01	03/14/14	0.6	77.7	0	21.7	193	-5	N	(replaced 1" rod seal - pump now operational)
GIW-01	03/17/14	0.6	76.7	0	22.7	193	-7.4	Y	reduced vac to -6.5 inches
GIW-01	03/19/14	0.7	72.1	0	27.2	192	-7.9	Y	reduced vac to -6.5 inches
GIW-01	03/20/14	0.7	71.8	0	27.5	194	-4.6	Y	
GIW-01	03/24/14	0.2	72.8	0	27	193	-4.7	Y	
GIW-01	03/26/14	1	70.2	0	28.8	191	-10.2	Y	reduced vac to -9.3 inches
GIW-01	03/28/14	0.4	72.7	0	26.9	195	-4.5	Y	
GIW-01	03/31/14	0.3	74.5	0	25.2	192	-12.7	Y	reduced vac to -10.1 inches
GIW-01	04/02/14	0.3	73.3	0	26.4	193	-8.5	Y	reduced vac to -6.3 inches
GIW-01	04/03/14	0.4	73.8	0	25.8	193	-7.6	Y	reduced vac to -6.7 inches
GIW-01	04/05/14	0.7	71.4	0	27.9	193	-0.9	na	increased vac to -1.8 inches
GIW-01	04/07/14	0.5	73.6	0	25.9	191	-0.4	Y	increased vac to -1.6 inches
GIW-01	04/08/14	0.7	72.9	0	26.4	193	-3.7	N	replaced fourway valve
GIW-01	04/09/14	0.6	73.3	0	26.1	196	0.2	Y	increased vac to -1.4 inches
GIW-01	04/10/14	0.9	73.5	0	25.6	193	-4.6	na	
GIW-01	04/11/14	0.6	74.9	0	24.5	196	1.6	na	increased vac to -0.6 inches
GIW-01	04/14/14	0.7	75.9	0.1	23.3	195	-5.4	Y	
GIW-01	04/15/14	0.8	73.5	0.4	25.3	196	-4.3	Y	
GIW-01	04/16/14	0.7	75.1	0.1	24.1	196	-4.2	Y	
GIW-01	04/17/14	0.7	75	0.2	24.1	196	-4.5	Y	
GIW-01	04/18/14	0.7	75.2	0	24.1	195	-4.1	na	
GIW-01	04/21/14	1	81.8	0	17.2	198	9.8	Y	decreased vac to -0.4 inches
GIW-01	04/22/14	0.7	75	0	24.3	197	-5.4	Y	
GIW-01	04/23/14	0.6	75.1	0	24.3	197	-6.4	Y	decreased vac to -5.8 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	04/24/14	0.6	75.2	0	24.2	196	-7.1	Y	decreased vac to -6.0 inches
GIW-01	04/25/14	0.8	75.3	0	23.9	197	-2.7	Y	increased vac to -3.0 inches
GIW-01	04/28/14	0.8	75.2	0	24	197	3	Y	increased vac to -0.2 inches
GIW-01	04/29/14	0.8	73.4	0	25.8	201	28.3	Y	increased vac to -0.4 inches
GIW-01	04/30/14	1.5	70.8	0	27.7	196	-17.1	Y	decreased vac to -15.4 inches (replaced cam fitting)
GIW-01	05/01/14	0.6	75	0	24.4	195	-15.7	na	decreased vac to -10.7 inches
GIW-01	05/02/14	1.5	76.7	0	21.8	204	42.5	Y	increased vac to -1.8 inches
GIW-01	05/05/14	3.5	71	0	25.5	198	-4.3	Y	
GIW-01	05/06/14	2.7	72.5	0	24.8	197	-4.5	Y	
GIW-01	05/07/14	7.5	75	0	17.5	197	-4.3	Y	
GIW-01	05/08/14	1.8	76.2	0	22	197	-7.4	Y	decreased vac to -6.0 inches
GIW-01	05/09/14	1.9	76.2	0	21.9	197	-4.8	Y	
GIW-01	05/12/14	1.8	76.2	0	22	198	-4	Y	
GIW-01	05/13/14	1.8	74.1	0	24.1	198	-7.5	Y	decreased vac to -5.8 inches
GIW-01	05/16/14	1.9	75.9	0	22.2	198	-5	Y	(evaluated on the 15th)
GIW-01	05/19/14	1.6	76.4	0	22	197	-4.3	Y	
GIW-01	05/20/14	2	74.4	0	23.6	197	-4.6	na	
GIW-01	05/21/14	1.9	72.8	0	25.3	198	-0.2	Y	Increased vac to -1.6 inches
GIW-01	05/22/14	1.9	71.3	0	26.8	195	-17.4	Y	Decreased vac to -16.5 inches
GIW-01	05/23/14	0.7	73.2	0.4	25.7	194	-18.7	na	Decreased vac to -4.9 inches
GIW-01	05/27/14	2.2	72.4	0	25.4	196	-4.1	na	
GIW-01	05/28/14	0.7	69.6	0	29.7	194	-4.6	N	(blown bottom seal)
GIW-01	05/29/14	1.3	68.5	0	30.2	194	-8.6	N	Decreased vac to -7.4 inches (blown 1" rod seal)
GIW-01	05/30/14	0.6	70.6	0	28.8	195	-4	na	
GIW-01	06/02/14	0.7	72.5	0	26.8	192	-10.4	N	Decreased vac to -8.9 inches (blown 1" rod seal)
GIW-01	06/03/14	0.6	71.6	0	27.8	194	-4.9	N	(blown 1" rod seal)
GIW-01	06/04/14	0.7	72.2	0	27.1	193	-5.8	N	No change in vac pressure (blown 1" rod seal)
GIW-01	06/05/14	0.7	71.6	0	27.7	192	-6.7	N	Decreased vac to -6.3 inches (replaced 1" rod seal, pump operational)
GIW-01	06/06/14	1.9	66.2	0	31.9	204	17.9	Y	Increased vac to -0.6 inches
GIW-01	06/09/14	2.8	68.4	0	28.8	195	-13	Y	Decreased vac to -12.7 inches
GIW-01	06/10/14	1.9	72.4	0	25.7	195	-13.1	na	Decreased vac to -12.1 inches
GIW-01	06/11/14	2	69	0	29	195	-11.7	Y	Decreased vac to -10.2 inches
GIW-01	06/12/14	2.1	73	0	24.9	195	-10.5	Y	Decreased vac to -9.1 inches
GIW-01	06/13/14	2.3	72.5	0	25.2	194	-13.4	Y	Decreased vac to -12.9 inches
GIW-01	06/16/14	0.8	70.4	0	28.8	190	-19.6	N	Decreased vac to -18.9 (replaced 1" rod seal, pump operational)
GIW-01	06/17/14	1.7	68.6	0	29.7	195	-9.8	N	Decreased vac to -8 (replaced 1" rod seal, pump operational)
GIW-01	06/19/14	0.7	69.8	0.3	29.2	191	-19.1	Y	Decreased vac to -18
GIW-01	06/20/14	0.9	67.8	0	31.3	195	-14.6	Y	Decreased vac to -12.4
GIW-01	06/23/14	0.8	69.9	0	29.3	191	-13	N	Decreased vac to -12.6 (blown 1" rod seal)
GIW-01	06/24/14	0.7	71.4	0	27.9	191	-13.5	N	Decreased vac to -12.4 (blown 1" rod seal)
GIW-01	06/25/14	1.4	71.1	0	27.5	192	-9.9	N	Decreased vac to -9.5 (replaced 1" rod seal, pump operational)
GIW-01	06/26/14	1.2	71.4	0	27.4	195	2.4	N	Increased vac to -0.8 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-01	06/27/14	4.2	72.1	0	23.7	198	7.6	Y	Increased vac to -2
GIW-01	06/30/14	2.9	74.5	0	22.6	197	0.4	NA	Increased vac to -2.5
GIW-01	07/01/14	3.3	72.8	0	23.9	196	-4.5	NA	
GIW-01	07/03/14	3.1	74	0	22.9	197	-4.2	NA	
GIW-01	07/07/14	3.1	74.4	0	22.5	196	-4.2	Y	
GIW-01	07/08/14	4.9	73.8	0	21.3	197	-4.3	Y	
GIW-01	07/09/14	2.7	73.7	0	23.6	197	-4.2	Y	
GIW-01	07/10/14	2.9	73.9	0	23.2	197	-4.2	Y	(refilled memo and 4-way oil)
GIW-01	07/11/14	3.1	71.7	0	25.2	197	-5.1	Y	

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GIW-01	07/14/14	2.6	72.5	0	24.9	196	-4.2	Y	
GIW-01	07/15/14	2.5	73.4	0	24.1	196	-7.9	Y	Decreased vac to -7.2
GIW-01	07/16/14	2.2	74.7	0	23.1	197	-4.8	Y	
GIW-01	07/17/14	2.5	73.1	0	24.4	196	-4.9	Y	
GIW-01	07/18/14	2.1	71.9	0.3	25.7	196	-4.8	Y	
GIW-01	07/21/14	2.3	69.3	0.2	28.2	197	-4.1	N	(replaced 1" rod seal, pump operational)
GIW-01	07/22/14	2.2	73.4	0	24.4	196	-4.5	Y	
GIW-01	07/23/14	2.4	73.9	0	23.7	196	-5	Y	
GIW-01	07/24/14	2.2	72.2	0	25.6	196	-4.7	Y	
GIW-01	07/25/14	2.2	72.6	0	25.2	196	-4.7	Y	
GIW-01	07/28/14	0.9	72.2	0	26.9	190	-16.4	N	Decreased vac to -15.7 (replaced 1" rod seal, pump operational)
GIW-01	07/29/14	1.3	68.3	0	30.4	190	-15.1	Y	Decreased vac to -14.2
GIW-01	07/30/14	1	71	0	28	189	-12.4	Y	Decreased vac to -11.6
GIW-01	07/31/14	1	71.1	0	27.9	190	-9.7	Y	Decreased vac to -7.5
GIW-01	08/01/14	0.9	70.1	0	29	192	-8.4	Y	Decreased vac to -7.1
GIW-01	08/04/14	1	69.8	0	29.2	191	-7.6	Y	Decreased vac to -6.6
GIW-01	08/05/14	0.9	70	0	29.1	190	-4.8	Y	
GIW-01	08/06/14	0.9	71.2	0	27.9	192	-4	Y	
GIW-01	08/07/14							Y	
GIW-01	08/08/14	0.9	72.5	0	26.6	189	-4.6	N	(replaced 1" rod seal, pump operational)
GIW-01	08/11/14	2.5	74.9	0	22.6	197	-4.1	Y	
GIW-01	08/12/14	2.2	73.6	0	24.2	194	-11.3	N	decreased vac to -9.7 (replaced 1" rod seal, pump operational)
GIW-01	08/13/14	2.1	73.2	0	24.7	195	-9.1	Y	decreased vac to -8.9
GIW-01	08/14/14	2.3	72.8	0	24.9	195	-8.5	Y	decreased vac to -6.7
GIW-01	08/15/14	2.2	73.3	0	24.5	195	-4.8	Y	
GIW-01	08/18/14	2.3	72	0	25.7	196	-4.4	N	(replaced 1" rod seal, pump operational)
GIW-01	08/19/14	2	71.4	0	26.6	194	-4.9	Y	
GIW-01	08/20/14	2.3	71	0	26.7	195	-4.4	Y	
GIW-01	08/21/14	1.5	70.5	0	28	192	-9.4	Y	Increased vac to -9.8 (pulled blackhawk and setup, then installed a high temp. Ap4t)
GIW-01	08/22/14	3.8	72.2	0	24	199	19.6	Y	Increased vac to -0.5
GIW-01	08/25/14	0.7	58.2	3.6	37.5	187	-12.5	Y	Decreased vac to -11.8
GIW-01	08/26/14	0.6	56.4	4.3	38.7	186	-12.6	Y	Decreased vac to -11.2
GIW-01	08/27/14	1.6	65.2	1.8	31.4	190	-7	Y	Decreased vac to -6.5
GIW-01	08/28/14	0.8	58.1	4.4	36.7	187	-12.2	Y	Decreased vac to -11.1
GIW-01	08/29/14	0.6	55.8	4.7	38.9	188	-7.2	Y	Decreased vac to -4.9
GIW-01	09/01/14							Y	
GIW-01	09/02/14	0.7	60.2	3.7	35.4	187	-4.4	N	Decreased vac to -3.8 (backjacked AP4, pump operational)
GIW-01	09/03/14	0.6	56.8	4.1	38.5	186	-3.5	Y	Decreased vac to -2.5
GIW-01	09/04/14	0.7	57	4.4	37.9	185	-4.2	N	Decreased vac to -2.2 (backjacked AP4, pump operational)
GIW-01	09/05/14	0.7	62.3	2.4	34.6	189	-0.2	N	(backjacked AP4, pump operational)
GIW-01	09/08/14							NA	(Not Available due to safe access conditions)
GIW-01	09/09/14							NA	(Not Available due to safe access conditions)
GIW-01	09/10/14							NA	(Not Available due to safe access conditions)
GIW-01	09/11/14							NA	(Not Available due to safe access conditions)
GIW-01	09/12/14							NA	(Not Available due to safe access conditions)
GIW-01	09/15/14							N	(backjacked AP4, pump operational)
GIW-01	09/16/14							N	(backjacked AP4, pump operational)
GIW-01	09/17/14							Y	
GIW-01	09/18/14							N	(backjacked AP4, pump operational)
GIW-01	09/19/14	1	58.5	4.7	35.8	187	-15.9	N	Decreased vac to -15.2 (pulled and replaced hose and cleaned pump, pump operational)
GIW-01	09/22/14	2.1	62.8	3.9	31.2	191	-14.1	N	Decreased vac to -4 (backjacked AP4, pump is now operational)

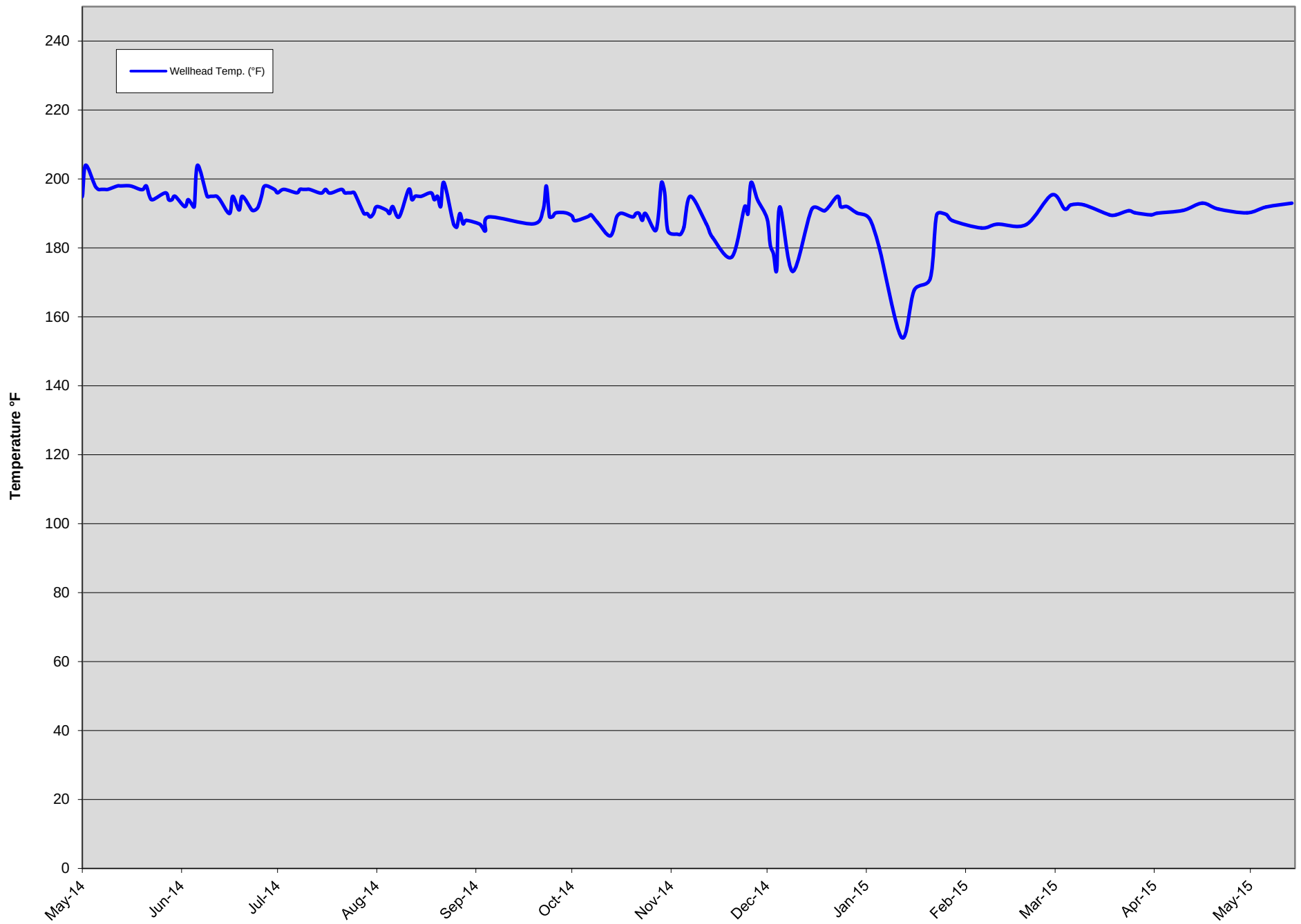
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GIW-01	09/23/14	3.1	74.1	0	22.8	198	7.7	Y	Increased vac to -0.3 (backjacked AP4, pump is now operational)
GIW-01	09/24/14	1.5	76.8	0.2	21.5	189.1	-15.26	N	Decreased vac to -14.83 (backjacked AP4, pump is now operational)
GIW-01	09/25/14	3.5	61.8	0.1	34.6	189.1	-18.07	N	Decreased vac to -14.71 (pulled and cleaned AP4, pump now operational)
GIW-01	09/26/14	1.8	63.3	0.3	34.6	190.2	-4.37	Y	
GIW-01	09/29/14	2.8	65.4	0.2	31.6	190.2	-11.11	N	Decreased vac to -6.35 (AP4 needs pulled & replaced with Blackhawk)
GIW-01	03/30/14	1.4	58.7	0	39.9	189.6	-4.88	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/01/14	2.1	66.5	0	31.4	189.3	-4.7	N	(Pulled AP4, cleand & replaced poppet, pump operational)
GIW-01	10/02/14	4.4	67.9	0	27.7	187.9	-4.91	Y	
GIW-01	10/03/14							Y	
GIW-01	10/06/14	8.1	61.2	0.1	30.6	189.1	-4.71	N	Increased vac to -4.95 (AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/07/14	2.4	64.7	0	32.9	189.6	-4.7	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/08/14							N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/09/14	1.1	55.2	0	43.7	187.4	-4.05	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/10/14							N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/13/14	2.8	26.8	0.2	70.2	183.5	-4.47	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/14/14							N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/15/14	1.1	58.6	4	36.3	189	-4.3	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/16/14	1.1	70.1	0.3	28.5	190	-4.2	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/17/14	1	70.5	0	28.5	190	-4	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/20/14	1.1	72.3	0	26.6	189	-4.6	N	Increased vac to -17.8 then decreased to -10.3 (AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/21/14	1.1	71.8	0	27.1	190	-4.2	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/22/14	1	72	0	27	190	-4.2	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/23/14	1.3	66.9	0	31.8	188	-7.3	N	Decreased vac to -5.7 (AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/24/14	6.1	73.6	0.2	20.1	190	-3.4	N	(AP4 needs pulled & replaced with Blackhawk)
GIW-01	10/27/14	1.3	64.2	0	34.5	185	-4.4	N	(Pulled AP4, installed Blackhawk and setup - Pump operational)
GIW-01	10/28/14	1.2	72.1	0	26.7	189	-4	Y	
GIW-01	10/29/14	3.1	73.9	0	23	199	-10.8	Y	Decreased vac to -10.7
GIW-01	10/30/14	3	72.7	0	24.3	196	-12.8	N	Decreased vac to -12 (Replaced female 11/4" cam setup - pump operational)
GIW-01	10/31/14	1.4	72.1	0	26.5	185	-1.7	Y	Increased vac to -17.5
GIW-01	11/03/14	1.5	73.3	0.2	25	184	-17.3	N	Decreased vac to -17 (replaced female cam gasket, pump operational)
GIW-01	11/04/14	1.1	73.2	0.7	25	184	-18.5	Y	Decreased vac to -17.1
GIW-01	11/05/14	1.3	68.6	0	30.1	186	-16.7	N	Decreased vac to -16.2 (replaced female cam gasket, pump operational)
GIW-01	11/06/14							Y	
GIW-01	11/07/14	3	70.3	0	26.7	195	14.8	N	Increased vac -0.3 (replaced male and female cam gasket and 1" rod seal, pump operational)
GIW-01	11/10/14							Y	
GIW-01	11/11/14							Y	
GIW-01	11/12/14	1.4	73.7	0	24.9	187	-18.2	N	Increased vac to -18.4 (Replaced 1" rod seal and 1" cam gasket, pump operational)
GIW-01	11/13/14							Y	
GIW-01	11/14/14	1.4	71.3	0	27.3	183	-17.4	N	Decreased vac to -17.1 (Replaced Blackhawk, pump operational)
GIW-01	11/17/14							Y	
GIW-01	11/18/14							Y	
GIW-01	11/19/14							N	(Replaced 1" rod seal and female cam gasket, pump operational)
GIW-01	11/20/14	1.5	60.8	0.2	37.5	177.4	-17.64	N	Decreased vac to -16.61 (Replaced four way valve oiler, pump operational)
GIW-01	11/21/14							N	(Replaced 1" rod seal and female cam gasket, pump operational)
GIW-01	11/24/14	2.6	63.6	0	33.8	192	-4.64	N	(Replaced 1" rod seal - pump operational)
GIW-01	11/25/14	2.1	63.1	0	34.8	189.8	-4.52	Y	
GIW-01	11/26/14	2.6	75.1	0	22.3	199	-4.1	Y	
GIW-01	11/27/14								
GIW-01	11/28/14	2.7	75.3	0	22	194	-2	Y	Increased vact to -3.1
GIW-01	12/01/14	2.6	64.8	0	32.6	188.5	-4.82	N	(Replaced 1" rod seal and 1 1/4" gasket - pump operational)
GIW-01	12/02/14	1.3	58.7	0	40	180.8	-15.32	Y	Decreased vac to -14.35

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	12/03/14	1.7	64	0	34.3	178.3	-14.22	Y	Decreased vac to -13.74
GIW-01	12/04/14	1.4	63.6	0	35	173.6	-15.32	N	Decreased vac to -14.35 (Replaced 1" rod seal and 1 1/4" gasket - pump operational)
GIW-01	12/05/14	3.2	62.1	0	34.7	191.9	7.94	N	Increased vac to -0.76 (Replaced 1" rod seal and female cam gasket - pump operational)
GIW-01	12/08/14							Y	
GIW-01	12/09/14	1.4	64	0	34.6	173.2	-15.51	N	Decreased vac to -15.2 (Replaced 1" rod seal and 1 1/4 " gasket - pump operational)
GIW-01	12/10/14							Y	
GIW-01	12/11/14							Y	
GIW-01	12/12/14							Y	
GIW-01	12/15/14	2.9	64.4	0	32.7	191.3	-4.95	N	(Replaced 1" rod seal and 1 1/4" gasket - pump operational)
GIW-01	12/16/14							Y	
GIW-01	12/17/14							N	(Replaced 1" rod seal and 1 1/4" gasket - pump operational)
GIW-01	12/18/14							Y	
GIW-01	12/19/14	2.5	53.3	0.1	44.1	190.8	-4.72	Y	
GIW-01	12/22/14							Y	
GIW-01	12/23/14	2.8	73.8	0.3	23.1	195	-5.6		
GIW-01	12/24/14	3.1	78.1	0.2	18.6	192	-4		
GIW-01	12/25/14								
GIW-01	12/26/14	3	74.2	0	22.8	192	-2	Y	
GIW-01	12/29/14	2.5	58.5	0.1	38.9	190.2	-4.82		
GIW-01	12/30/14							Y	
GIW-01	12/31/14								
GIW-01	01/01/15								
GIW-01	01/02/15	3	62.1	0	34.9	188.5	-4.52		
GIW-01	01/05/15	1.9	63	0	35.1	180.3	-23.5		Decreased vac to -23.44
GIW-01	01/06/15								
GIW-01	01/07/15								
GIW-01	01/08/15								
GIW-01	01/09/15								
GIW-01	01/12/15	2.1	43.9	0.5	53.5	154.1	-23.93	Y	Decreased vac to -23.38
GIW-01	01/13/15							Y	
GIW-01	01/14/15							N	(Replaced 1" rod seal - pump operational)
GIW-01	01/15/15							Y	
GIW-01	01/16/15	1.3	59.7	0	39	167.8	-18.93	Y	Decreased vac to -18.5
GIW-01	01/19/15							Y	
GIW-01	01/20/15							Y	
GIW-01	01/21/15	1.3	65.1	0	33.6	171.2	-18.07	Y	Increased vac to -18.62
GIW-01	01/22/15							Y	
GIW-01	01/23/15	2.4	62.5	0	35.1	189.6	-4.12	Y	
GIW-01	01/26/15	2.8	69.3	0	27.9	189.7	-4.65	N	(Replaced 1" rod seal - pump operational)
GIW-01	01/27/15							Y	
GIW-01	01/28/15	3.1	60.6	0	36.3	187.9	-4.19	Y	
GIW-01	01/29/15							Y	
GIW-01	01/30/15							Y	
GIW-01	02/02/15								
GIW-01	02/03/15							Y	
GIW-01	02/04/15							Y	
GIW-01	02/05/15							N	(Replaced bottom seal and camlock)
GIW-01	02/06/15	2.1	67.1	0	30.8	185.8	-6.72	Y	
GIW-01	02/09/15							Y	
GIW-01	02/10/15							Y	
GIW-01	02/11/15	3.2	63.4	0.1	33.3	186.9	-7.45	Y	Increased vac to -10.26

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	02/12/15							Y	
GIW-01	02/13/15							Y	
GIW-01	02/16/15							Y	
GIW-01	02/17/15							Y	
GIW-01	02/18/15							Y	
GIW-01	02/19/15							Y	(Replaced air box)
GIW-01	02/20/15	2.6	64.1	0.2	33.1	186.8	-13.13	Y	Decreased vac to -12.64
GIW-01	02/23/15							Y	
GIW-01	02/24/15							Y	
GIW-01	02/25/15							Y	
GIW-01	02/26/15							Y	(Replaced air box)
GIW-01	02/27/15							N	(Changed Blackhawk pump out with a spare pump. liquid is now moving)
GIW-01	02/28/15	3.7	63.7	0	32.6	195.4	-13.9	Y	Decreased vac to -12.87
GIW-01	03/01/15							Y	
GIW-01	03/02/15							Y	
GIW-01	03/03/15							Y	
GIW-01	03/04/15	3.4	53.8	0.1	42.7	191.3	-14.65	Y	Decreased vac to -11.48
GIW-01	03/05/15							Y	
GIW-01	03/06/15	3.4	55.1	3.6	37.9	192.5	-9.22	Y	
GIW-01	03/07/15							Y	
GIW-01	03/08/15							Y	
GIW-01	03/09/15							Y	
GIW-01	03/10/15	3.3	61.6	0	35.1	192.5	-8.79	Y	Decreased vac to -7.81
GIW-01	03/11/15							Y	
GIW-01	03/12/15							Y	
GIW-01	03/13/15							N	Airbox replaced
GIW-01	03/14/15							Y	
GIW-01	03/15/15							Y	
GIW-01	03/16/15							Y	
GIW-01	03/17/15							Y	
GIW-01	03/18/15	3.5	64.9	0	31.6	189.6	-12.21	Y	
GIW-01	03/19/15							Y	
GIW-01	03/20/15	5.1	62.8	0.2	31.9	189.6	-18.19	Y	Decreased vac to -16.85
GIW-01	03/21/15							Y	
GIW-01	03/22/15							Y	
GIW-01	03/23/15							Y	
GIW-01	03/24/15	3.6	60	0	36.4	190.8	-14.9	Y	Decreased vac to -12.15
GIW-01	03/25/15							Y	
GIW-01	03/26/15	4	58.1	0	37.9	190.2	-18.5	Y	Decreased vac to -17.58
GIW-01	03/27/15							Y	
GIW-01	03/28/15							Y	
GIW-01	03/29/15							Y	
GIW-01	03/30/15							Y	
GIW-01	03/31/15	3.5	64.3	0	32.2	189.6	-20.15	N	Vac decreased to -19.23 (Replaced bottom seal)
GIW-01	04/01/15							N	(Replaced bottom seal)
GIW-01	04/02/15	3.1	68.2	0	28.7	190.1	-15.63	Y	Vac decreased to -12.64
GIW-01	04/03/15							Y	
GIW-01	04/04/15							Y	
GIW-01	04/05/15							Y	
GIW-01	04/06/15							Y	
GIW-01	04/07/15							Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (°F)	Initial Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-01	04/08/15							Y	
GIW-01	04/09/15							Y	
GIW-01	04/10/15	3.9	61	0.1	35	190.9	-14.33	Y	Decreased vac to -14.15
GIW-01	04/11/15							Y	
GIW-01	04/12/15							Y	
GIW-01	04/13/15							Y	
GIW-01	04/14/15							Y	
GIW-01	04/15/15							Y	
GIW-01	04/16/15	3.2	73.9	0	22.9	193	-14.8	Y	Decreased vac to -12.6
GIW-01	04/17/15							Y	
GIW-01	04/18/15							Y	
GIW-01	04/19/15							Y	
GIW-01	04/20/15							Y	
GIW-01	04/21/15	5.9	62.2	0	31.9	191.3	-8.18	Y	Decreased vac to -7.81
GIW-01	04/22/15							Y	
GIW-01	04/23/15							Y	
GIW-01	04/24/15							Y	
GIW-01	04/25/15							Y	
GIW-01	04/26/15							Y	
GIW-01	04/27/15							Y	
GIW-01	04/28/15							Y	
GIW-01	04/29/15							Y	
GIW-01	04/30/15	5.8	65	0	29.2	190.2	-8.29	Y	Decreased vac to -4.59
GIW-01	05/01/15							Y	
GIW-01	05/02/15							Y	
GIW-01	05/03/15							Y	
GIW-01	05/04/15							Y	
GIW-01	05/05/15							Y	
GIW-01	05/06/15	5.4	64.6	0	30	191.9	-4.08	Y	
GIW-01	05/07/15							Y	
GIW-01	05/08/15							Y	
GIW-01	05/09/15							Y	
GIW-01	05/10/15							Y	
GIW-01	05/11/15							Y	
GIW-01	05/12/15							Y	
GIW-01	05/13/15							Y	
GIW-01	05/14/15	5.8	75.2	0	19	193	-4.3	Y	
GIW-01	05/15/15							Y	

GIW-1 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	01/01/14	1.3	78.8	0	19.9	110	-14.5	NA	decreased vac to -11.5 inches
GIW-02	01/03/14	1.2	79.8	0	19	97	13.9	Y	increased vac to -1.6 inches
GIW-02	01/13/14	1.1	81.9	0	17	135	-13.7	Y	decreased vac to -4.4 inches
GIW-02	01/15/14	0.8	61.8	5.6	31.8	115	-17.2	Y	decreased vac to -6.6 inches (pump eval on 16th)
GIW-02	01/17/14	1.3	80.8	0	17.9	106	-13.7	Y	decreased vac to -5.1 inches
GIW-02	01/20/14	1.8	83.5	0	14.7	133	-2.8	Y	
GIW-02	01/22/14	0.6	81	0	18.4	105	-4.8	Y	
GIW-02	01/24/14	1	79.2	0	19.8	95	-5	Y	
GIW-02	01/27/14	1.3	81.6	0	17.1	78	-5.1	Y	
GIW-02	01/29/14	1	77.2	0	21.8	110	-4.3	Y	
GIW-02	02/03/14	0.9	79.9	0	19.2	99	51.1	Y	increased vac to -0.3 inches
GIW-02	02/05/14	1.8	79.1	0.2	18.9	79	-4.4	N	New line set
GIW-02	02/07/14	1.4	78.8	0	19.8	60	-4.2	N	Replaced rod, still need foot valve
GIW-02	02/10/14	0.9	79.4	0.1	19.6	93	-4.7	N	Replace foot valve
GIW-02	02/12/14	0.8	75	0	24.2	179	12.2	Y	increased vac to -1.0 inches
GIW-02	02/14/14	1.2	77.1	0	21.7	100	-17.6	N	decreased vac to -16.5 inches (replaced 1" rod seal)
GIW-02	02/17/14	1.1	78.7	0	20.2	150	-15.6	Y	decreased vac to -12.5 inches
GIW-02	02/19/14	1	78.6	0	20.4	155	-8	Y	decreased vac to -7.2 inches
GIW-02	02/21/14	0.8	74.5	0	24.7	173	-12.1	Y	decreased vac to -10.8 inches
GIW-02	02/24/14	1.1	76.4	0	22.5	160	-16.2	Y	decreased vac to -12.5 inches
GIW-02	02/26/14	0.8	75.8	0	23.4	155	-19.4	N	decreased vac to -17.9 inches (blown seal)
GIW-02	02/28/14	0.8	73.7	0	25.5	140	-18.6	N	decreased vac to -16.7 inches (replaced pump)
GIW-02	03/03/14	0.5	73.8	0	25.7	183	-10	Y	decreased vac to -7.0 inches
GIW-02	03/05/14	1.2	79.6	0.2	19	110	-19.7	Y	decreased vac to -15.7 inches
GIW-02	03/07/14	1.1	82.8	0	16.1	170	-9	Y	
GIW-02	03/10/14	0.9	78.6	0	20.5	136	-18.3	Y	decreased vac to -16.3 inches
GIW-02	03/12/14	1.6	79.7	0.3	18.4	115	-17.1	Y	decreased vac to -16.5 inches
GIW-02	03/14/14	1.1	81.2	0	17.7	106	45.2	N	increase vac to -1.4 inches (Replaced 1" rod seal)
GIW-02	03/17/14	1.8	78.4	0.9	18.9	122	-22.5	N	reduced vac to -15.3 inches (replace 1" rod seal)
GIW-02	03/19/14	1.3	78.5	0	20.2	130	-4.9	Y	
GIW-02	03/20/14	1.8	79.2	0	19	125	-12.1	Y	decreased vac to -11.7 inches
GIW-02	03/24/14	1.6	75.9	1.7	20.8	88	-18.6	N	decreased vac to -3.5 inches (replaced 1" rod seal)
GIW-02	03/26/14	1.7	84.3	0	14	72	-0.2	N	increased vac to -1.0 inches (1" rod seal replaced)
GIW-02	03/28/14	1.6	80.3	0	18.1	114	-4	N	1" rod seal needs replaced
GIW-02	03/31/14	1.6	80.3	0.5	17.6	110	-5.1	N	(1" rod seal needs replaced)
GIW-02	04/02/14	1.5	78.7	0.5	19.3	130	-7.8	N	decreased vac to -6.1 inches (1" rod seal needs replaced)
GIW-02	04/03/14	1.3	82.8	0	15.9	103	-2.2	N	increased vac to -13.3 inches (rod seal replaced)
GIW-02	04/05/14	1.4	80.3	0	18.3	100	126.6	na	increased vac to -0.9 inches
GIW-02	04/07/14	1	79	0.2	19.8	192	-1.8	Y	increased vac to -3.0 inches
GIW-02	04/08/14	1.7	77.7	0	20.6	178	-9.2	Y	decreased vac to -6.7 inches
GIW-02	04/09/14	1.6	72	1	25.4	179	-15.2	Y	decreased vac to -11.4 inches
GIW-02	04/10/14	1.2	75.4	0	23.4	173	-11.3	na	decreased vac to -8.0 inches
GIW-02	04/11/14	1.5	75	0.8	22.7	175	-6.9	na	decreased vac to -6.1 inches
GIW-02	04/14/14	2.4	75.5	1.7	20.4	108	-18.9	N	decreased vac to -16.8 inches (blown seal)
GIW-02	04/15/14	2.7	78.9	0	18.4	52	40	N	increased vac to -1.2 inches (blown seal)
GIW-02	04/16/14	2.5	80.7	0	16.8	84	-3.6	N	(blown seal)
GIW-02	04/17/14	2.1	81.1	0	16.8	154	3.2	N	increased vac to -0.5 inches (blown seal)
GIW-02	04/18/14	1.8	76.1	0	22.1	163	-9.4	na	decreased vac to -5.0 inches
GIW-02	04/21/14	2.4	78.9	0	18.7	159	-10.7	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	04/22/14	1.7	79.5	0	18.8	130	-5.2	Y	
GIW-02	04/23/14	2.4	80.1	0	17.5	140	7	Y	increased vac to -0.8 inches
GIW-02	04/24/14	2.3	76	0.6	21.1	154	-18.8	Y	decreased vac to -17.2 inches
GIW-02	04/25/14	2.6	79.8	0	17.6	164	-11.9	Y	decreased vac to -10.6 inches
GIW-02	04/28/14	2	80.9	0	17.1	142	-1.1	Y	increased vac to -1.2 inches
GIW-02	04/29/14	2	80.1	0	17.9	147	9	N	increase vac to -0.1 inches (bad footvalve or broken rod)
GIW-02	04/30/14	2.3	76.6	0	21.1	137	-0.7	N	increased vac to -0.8 inches (broken rod or bad footvalve)
GIW-02	05/01/14	2.3	78.3	0	19.4	135	-2.4	na	increased vac to -2.6 inches
GIW-02	05/02/14	2.4	77.5	0.4	19.7	133	-24.6	N	decreased vac to -21.9 inches (replaced footvalve)
GIW-02	05/05/14	2.8	76.9	0	20.3	187	37.6	N	increased vac to -0.9 inches (replaced rod seal)
GIW-02	05/06/14	1.9	75.7	0	22.4	193	-7	Y	decreased vac to -6.2 inches
GIW-02	05/07/14	1.6	71.6	0	26.8	189	-22.2	Y	decreased vac to -18.2 inches
GIW-02	05/08/14	1.1	77.6	0	21.3	190	-4.3	Y	
GIW-02	05/09/14	1.9	81.3	0	16.8	190	-8.5	Y	decreased vac to -6.6 inches
GIW-02	05/12/14	1.5	73.4	0	25.1	189	-7.2	Y	decreased vac to -5.5 inches
GIW-02	05/13/14	1.2	76.6	0	22.2	185	-4.1	Y	
GIW-02	05/16/14	0.8	72.7	0	26.5	184	-13.2	Y	decreased vac to -11.3 inches (evaluated on the 15th)
GIW-02	05/19/14	1.2	75	0	23.8	185	-18.6	Y	Decreased vac to -17.6 inches
GIW-02	05/20/14	1.3	74.9	0	23.8	189	-11.2	na	Decreased vac to -10.3 inches
GIW-02	05/21/14	1.2	73.7	0	25.1	190	-6.7	Y	Decreased vac to -5.9 inches
GIW-02	05/22/14	1.2	73.8	0	25	188	-14.8	Y	Decreased vac to -12.5 inches
GIW-02	05/23/14	1.8	75.8	0.8	21.6	178	-23.5	na	Decreased vac to -3 inches
GIW-02	05/27/14	1.7	76.1	0	22.2	176	0.6	na	Increased vac to -0.2 inches
GIW-02	05/28/14	1.4	75.9	0	22.7	171	-8.3	N	Decreased vac to -7.4 inches (blown bottom seal)
GIW-02	05/29/14	1.6	77	0	21.4	172	1.6	N	Increased vac to -1.7 inches (blown 1" rod seal)
GIW-02	05/30/14	1.4	76.4	0	22.2	172	1.5	na	Increased vac to -0.4 inches
GIW-02	06/02/14	1.4	75.8	0	22.8	146	-4.4	N	(blown 1" rod seal)
GIW-02	06/03/14	1.5	77.2	0	21.3	165	2.4	N	Increased vac to -0.2 (blown 1" rod seal)
GIW-02	06/04/14	1.5	77.4	0	21.1	152	-4	N	(blown 1" rod seal)
GIW-02	06/05/14	1.3	77.5	0	21.2	144	-4	N	(replaced 1" rod seal, pump operational)
GIW-02	06/06/14	0.9	73.7	0	25.4	181	49.1	Y	Decreased vac to -2.7
GIW-02	06/09/14	1	74.6	0	24.4	184	-10.2	Y	Decreased vac to -7.6 inches
GIW-02	06/10/14	1	73.6	0	25.4	186	-7	na	Decreased vac to -6.1 inches
GIW-02	06/11/14	1.3	73.7	0	25	185	-4.8	Y	
GIW-02	06/12/14	1	72.7	0	26.3	188	-4	Y	
GIW-02	06/13/14	0.9	73.1	0	26	186	-4.4	Y	
GIW-02	06/16/14	1.2	73.3	0	25.5	170	-18.3	N	Decreased vac to -14.6 (replaced 1/4"x3" air nipple, pump operational)
GIW-02	06/17/14	0.8	71.5	0	27.7	186	12.3	Y	Increased vac to -0.6
GIW-02	06/19/14	1.2	69.7	1	28.1	166	-19.1	Y	Decreased vac to -16.5
GIW-02	06/20/14	1.3	72.5	0.3	25.9	166	-13	Y	Decreased vac to -8.5
GIW-02	06/23/14	1.3	72	0.9	25.8	166	-12	N	Decreased vac to -9.8 (replaced 1/4"x3" air nipple, pump operational)
GIW-02	06/24/14	1.5	76.7	0	21.8	155	0.1	Y	Increased vac to -0.5
GIW-02	06/25/14	1.5	75.8	0	22.7	166	1.1	Y	Increased vac to -2.7
GIW-02	06/26/14	1.3	73.3	0	25.4	180	1.1	N	Increased vac to -2.8 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-02	06/27/14	1.6	73.1	0	25.3	182	8.2	Y	Increased vac to -2.5
GIW-02	06/30/14	1.2	68	0	30.8	189	5.7	NA	Increased vac to -0.6
GIW-02	07/01/14	1.2	72.4	0	26.4	182	-8.1	NA	Decreased vac to -4.4
GIW-02	07/03/14	0.9	71	0	28.1	187	-7.7	NA	Decreased vac to -5.3
GIW-02	07/07/14	0.8	63.9	2.9	32.4	186	-8.1	Y	Decreased vac to -4.6

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	07/08/14	1.9	74.3	0	23.8	186	-4.3	Y	
GIW-02	07/09/14	1	71.6	0	27.4	189	-4.2	Y	
GIW-02	07/10/14	1	70.1	0.6	28.3	190	-3.8	Y	(refilled memo and 4-way oil)
GIW-02	07/11/14	0.9	72	0	27.1	187	-4.2	Y	
GIW-02	07/14/14	1.2	70.9	0	27.9	191	1	Y	Increased vac to -0.7
GIW-02	07/15/14	0.9	73.8	0	25.3	184	-10.2	Y	Decreased vac to -6.3
GIW-02	07/16/14	1.1	71.8	0	27.1	192	-0.9	Y	Increased vac to -3.2
GIW-02	07/17/14	1	73	0	26	188	-4.8	Y	
GIW-02	07/18/14	0.8	74	0	25.2	190	-0.3	Y	Increased vac to -3.9
GIW-02	07/21/14	0.8	72.3	0	26.9	197	-2.4	Y	Increased vac to -3
GIW-02	07/22/14	0.9	73.3	0	25.8	190	-4	Y	
GIW-02	07/23/14	1.2	71.9	0	26.9	188	-5	Y	
GIW-02	07/24/14	1.2	71.3	0	27.5	191	-5	Y	
GIW-02	07/25/14	1.1	72.2	0	26.7	190	-4.9	Y	
GIW-02	07/28/14	0.9	73.2	0	25.9	187	-4.9	Y	
GIW-02	07/29/14	0.8	73.5	0	25.7	190	1.2	Y	Increased vac to -1.9
GIW-02	07/30/14	1	72.2	0	26.8	190	-0.3	Y	Increased vac to -2.4
GIW-02	07/31/14	1	71.4	0	27.6	190	3.3	N	Increased vac to -2.3 (replaced cylinder head, pump operational)
GIW-02	08/01/14	0.9	69.3	0	29.8	192	-4.4	Y	
GIW-02	08/04/14	0.9	70.5	0	28.6	187	-4.9	Y	
GIW-02	08/05/14	0.8	73.3	0	25.9	187	-8.9	Y	Decreased vac to -7.5
GIW-02	08/06/14	1.3	73.9	0	24.8	172	-11.4	Y	Decreased vac to -5.9
GIW-02	08/07/14							Y	
GIW-02	08/08/14	2	75.1	0	22.9	160	-4.9	N	(replaced 1" rod seal, pump operational)
GIW-02	08/11/14	1	74.5	0	24.5	187	-4	Y	
GIW-02	08/12/14	1	71.8	0	27.2	186	-5	Y	
GIW-02	08/13/14	0.9	72.4	0	26.7	187	-1.5	Y	increased vac to -3.2
GIW-02	08/14/14	0.8	73	0	26.2	191	-4.1	Y	
GIW-02	08/15/14	0.8	72.1	0	27.1	190	-4	Y	
GIW-02	08/18/14	0.9	71.5	0	27.6	193	-4.2	Y	
GIW-02	08/19/14	1.6	71.6	0	26.8	175	-12.5	Y	Decreased vac to -11
GIW-02	08/20/14	1.5	73.5	0	25	175	-8.8	Y	Decreased vac to -5.3
GIW-02	08/21/14	1.7	73.9	0	24.4	164	-8.5	Y	Decreased vac to -5.5
GIW-02	08/22/14	1.1	74.7	0	24.2	180	22.8	Y	Increased vac to -1.7
GIW-02	08/25/14	0.9	71.8	0	27.3	188	-4.9	Y	
GIW-02	08/26/14	1.1	72.5	0	26.4	183	-9.5	Y	Decreased vac to -6.4
GIW-02	08/27/14	1.2	73.8	0	25	184	-5	Y	
GIW-02	08/28/14	1.1	72.8	0	26.1	185	-4.9	N	(replaced the 4-way valve, pump operational)
GIW-02	08/29/14	1	73.5	0	25.5	182	-4.1	Y	
GIW-02	09/01/14							Y	
GIW-02	09/02/14	1	74.5	0	24.5	177	-4.9	Y	
GIW-02	09/03/14	1.1	73.7	0	25.2	181	-4.9	Y	
GIW-02	09/04/14	1.1	73.5	0	25.4	181	-4.1	Y	
GIW-02	09/05/14	1	73.5	0	25.5	182	-4.9	N	(replaced the 1/4" x 3" air nipple, pump operational)
GIW-02	09/08/14							NA	(Not Available due to safe access conditions)
GIW-02	09/09/14							NA	(Not Available due to safe access conditions)
GIW-02	09/10/14							NA	(Not Available due to safe access conditions)
GIW-02	09/11/14							NA	(Not Available due to safe access conditions)
GIW-02	09/12/14							NA	(Not Available due to safe access conditions)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	09/15/14							Y	
GIW-02	09/16/14							Y	
GIW-02	09/17/14							Y	
GIW-02	09/18/14							Y	
GIW-02	09/19/14	1.7	73.8	0.6	23.9	169	-13.8	N	Decreased vac to -12.6 (replaced 1" rod seal, pump operational)
GIW-02	09/22/14	1.3	73.7	0	25	193	17.1	Y	Increased vac to -6.4
GIW-02	09/23/14	1.6	73.5	0	24.9	172	-12.3	Y	Decreased vac to -9.1
GIW-02	09/24/14	1.8	75.3	0.4	22.5	172.2	-11.32	N	Decreased vac to -9.91 (replaced CAM setup, pump is operational)
GIW-02	09/25/14	4.2	62.3	0.5	33	171.7	-10.26	Y	Decreased vac to -6.23
GIW-02	09/26/14	1.8	69	1.3	27.9	190.2	-13.61	Y	Decreased vac to -10.01
GIW-02	09/29/14	3.3	55.6	3.9	37.2	171.2	-19.05	N	Decreased vac to -10.32 (Replaced 1/4"x3" four way valve air nipple, pump operational)
GIW-02	09/30/14	2.1	67.5	0.1	30.3	169.7	-13.74	Y	Decreased vac to -7.81
GIW-02	10/01/14	2.9	68.8	0.6	27.7	159.6	-14.22	Y	Decreased vac to 12.33
GIW-02	10/02/14	5	69.1	0.8	25.1	141.5	-12.82	N	Decreased vac to -8.42 (Replaced 1" rod seal, pump operational)
GIW-02	10/03/14							Y	
GIW-02	10/06/14	7.5	71.7	0	20.8	133.1	-4.61	Y	Increased vac to -4.88
GIW-02	10/07/14							Y	
GIW-02	10/08/14							Y	
GIW-02	10/09/14	2.3	58.2	0.6	38.9	79.1	-17.93	N	Decreased vac to -16.46 (Cooling System Installed)
GIW-02	10/10/14							N/A	(Cooling System Installed)
GIW-02	10/13/14	0	0	0.6	99.4	75.5	-4.18	N/A	(Cooling System Installed)
GIW-02	10/14/14							N/A	(Cooling System Installed)
GIW-02	10/15/14	1.2	56.2	4	38.6	59	-0.7	N/A	(Cooling System Installed)
GIW-02	10/16/14	1	55.4	4	39.6	65	-0.3	N/A	(Cooling System Installed)
GIW-02	10/17/14	1.2	67.9	0	30.9	64	0.8	N/A	Increased vac to -2.3 (Cooling System installed)
GIW-02	10/20/14	1.1	65.9	1.8	31.2	67	-5	N/A	(Cooling System Installed)
GIW-02	10/21/14	1.8	71.5	0	26.7	64	-4.1	N/A	(Cooling System Installed)
GIW-02	10/22/14	1.7	73.5	0.2	24.6	83	-4.1	N/A	(Cooling System Installed)
GIW-02	10/23/14	1.8	72.8	0.6	24.8	59	-5	N/A	(Cooling System Installed)
GIW-02	10/24/14	3.4	70.4	0.2	26	87	-6.9	N/A	Decreased vac to -4.3 (Cooling System Installed)
GIW-02	10/27/14	1.6	68.3	0	30.1	82	3.3	N/A	Increased vac to -0.3 (Cooling System Installed)
GIW-02	10/28/14	1.7	64.2	1.8	32.3	61	-4.3	N/A	(Cooling System Installed)
GIW-02	10/29/14	2	66.7	0	31.3	61	1.4	N/A	Increased vac to -8.5 (Cooling System Installed)
GIW-02	10/30/14	1.7	66.5	1.2	30.6	63	-12.8	N/A	Decreased vac to -8.2 (Cooling System Installed)
GIW-02	10/31/14	1.8	67.8	0.5	29.9	47	-4	N/A	(Cooling System Installed)
GIW-02	11/03/14	1.6	71.8	0	26.6	75	-1.8	N/A	(Cooling System Installed)
GIW-02	11/04/14	1.2	60.4	4.1	34.3	53	-0.7	N/A	(Cooling System Installed)
GIW-02	11/05/14	2.1	69.3	0	28.6	55	-0.2	N/A	(Cooling System Installed)
GIW-02	11/06/14							N/A	(Cooling System Installed)
GIW-02	11/07/14	1.7	65.9	1.2	31.2	64	-4.4	N/A	Increased vac to -1.9 (Cooling System Installed)
GIW-02	11/10/14							N/A	(Cooling System Installed)
GIW-02	11/11/14							N/A	(Cooling System Installed)
GIW-02	11/12/14	1.9	66.5	1.7	29.9	39	-8.3	N/A	(Cooling System Installed)
GIW-02	11/13/14							N/A	(Cooling System Installed)
GIW-02	11/14/14	2.4	70.1	0	27.5	44	-5.2	N/A	(Cooling System Installed)
GIW-02	11/17/14							N/A	(Cooling System Installed)
GIW-02	11/18/14							N/A	(Cooling System Installed)
GIW-02	11/19/14							N/A	(Cooling System Installed)
GIW-02	11/20/14	1.7	55	2.5	40.8	49.2	-13.86	N/A	Decreased vac to -11.23 (Cooling System Installed)

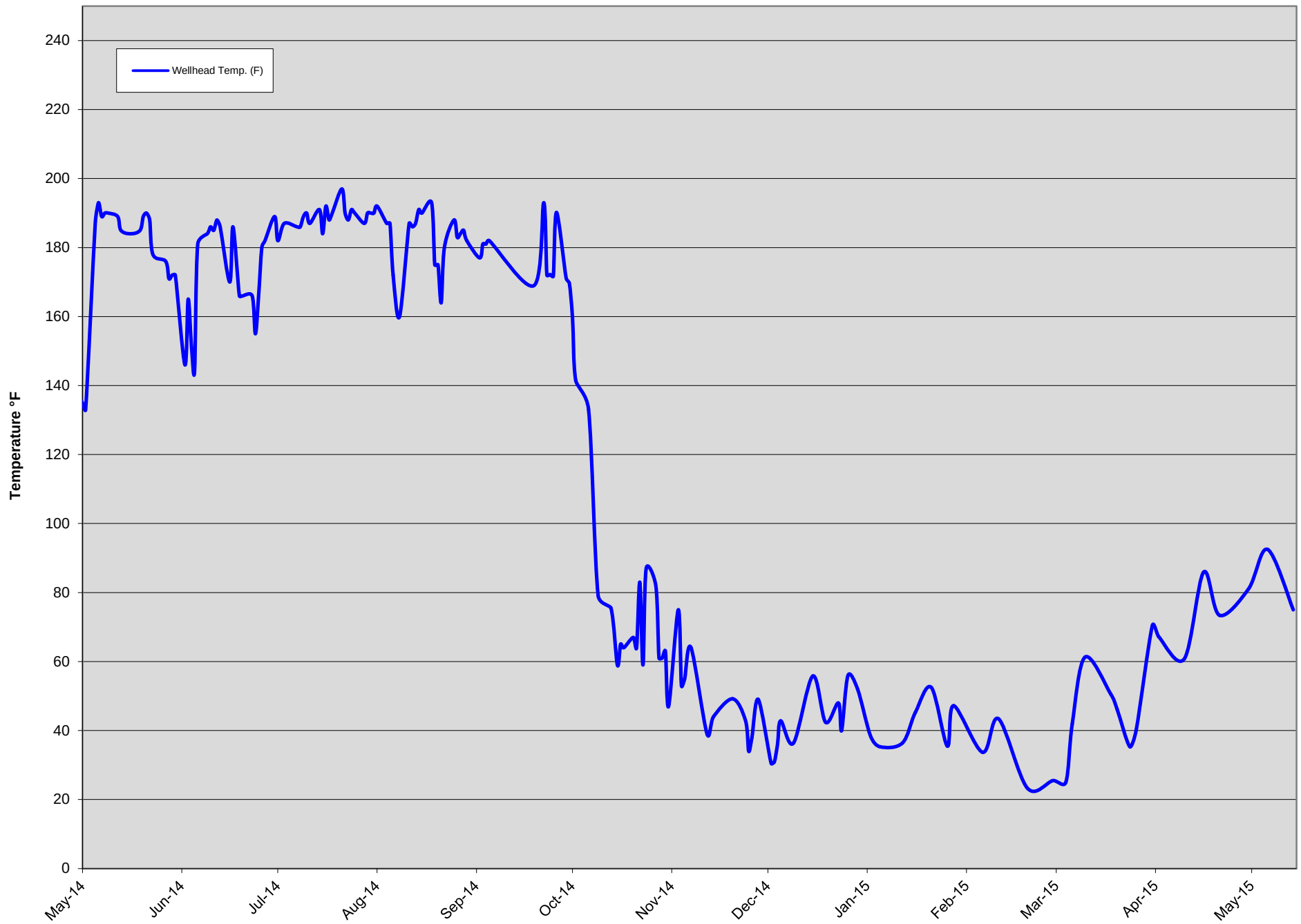
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	11/21/14							N/A	(Cooling System Installed)
GIW-02	11/24/14	2.2	62.6	0	35.2	42.9	21.67	N/A	Increased vac to -15.57 (Cooling System Installed)
GIW-02	11/25/14	2.5	53.6	1.3	42.6	34	-18.74	N/A	Decreased vac to -14.65 (Cooling System Installed)
GIW-02	11/26/14	2	69.4	2.1	26.5	38	4.3	N/A	Increased vac to -5.7 (Cooling System Installed)
GIW-02	11/27/14								
GIW-02	11/28/14	2.3	73.6	0	24.1	49	0.1	N/A	Increased vac to -4.2 (Cooling System Installed)
GIW-02	12/01/14							N/A	(Cooling System Installed)
GIW-02	12/02/14	1.8	54.8	0.6	42.8	30.5	-4.09	N/A	(Cooling System Installed)
GIW-02	12/03/14	1.7	60	1	37.3	30.9	-4.07	N/A	(Cooling System Installed)
GIW-02	12/04/14	2	62.1	0.4	35.5	36	-4.59	N/A	(Cooling System Installed)
GIW-02	12/05/14	2	60	0.9	37.1	42.8	-4.39	N/A	(Cooling System Installed)
GIW-02	12/08/14							N/A	(Cooling System Installed)
GIW-02	12/09/14	2	63.1	0.3	34.6	36.4	-6.78	N/A	Decreased vac to -4.1 (Cooling System Installed)
GIW-02	12/10/14							N/A	(Cooling System Installed)
GIW-02	12/11/14							N/A	(Cooling System Installed)
GIW-02	12/12/14							N/A	(Cooling System Installed)
GIW-02	12/15/14	1.8	56.5	0.9	40.8	55.8	-4.01	N/A	(Cooling System Installed)
GIW-02	12/16/14							N/A	(Cooling System Installed)
GIW-02	12/17/14							N/A	(Cooling System Installed)
GIW-02	12/18/14							N/A	(Cooling System Installed)
GIW-02	12/19/14	2	52.3	0.3	45.4	42.4	-1.92	N/A	Increased vac to -3.99 (Cooling Loop Installed)
GIW-02	12/22/14							N/A	(Cooling System Installed)
GIW-02	12/23/14	1.4	70.3	1.5	26.8	48	-15.2	N/A	Decreased vac to -5.4 (Cooling System Installed)
GIW-02	12/24/14	1.8	75.8	0.4	22	40	-2.8		
GIW-02	12/25/14								
GIW-02	12/26/14	1.8	72.3	0.4	25.5	56	-1.9	N/A	(Cooling System Installed)
GIW-02	12/29/14	1	57.9	0.2	40.9	52	-0.12	N/A	Increased vac to -1.2 (Cooling System Installed)
GIW-02	12/30/14							N/A	(Cooling System Installed)
GIW-02	12/31/14							N/A	(Cooling System Installed)
GIW-02	01/01/15							N/A	(Cooling System Installed)
GIW-02	01/02/15	1.4	55.2	2	41.4	38.5	-8.49	N/A	Decreased vac to -8.3 (Cooling System Installed)
GIW-02	01/05/15	0.8	56.2	0	43	35.3	7.88		Increased vac to -0.61
GIW-02	01/06/15								
GIW-02	01/07/15								
GIW-02	01/08/15								
GIW-02	01/09/15								
GIW-02	01/12/15	2	56.9	5.8	35.3	36.4	-20.7	N/A	Increased vac to -22.22 (Cooling System Installed)
GIW-02	01/13/15							N/A	(Cooling System Installed)
GIW-02	01/14/15							N/A	(Cooling System Installed)
GIW-02	01/15/15							N/A	(Cooling System Installed)
GIW-02	01/16/15	1.3	53.4	3	42.3	45.2	-19.9	N/A	Decreased vac to -18.86 (Cooling System Installed)
GIW-02	01/19/15							N/A	(Cooling System Installed)
GIW-02	01/20/15							N/A	(Cooling System Installed)
GIW-02	01/21/15	1.3	59.7	0	39	52.5	8.79	N/A	Increased vac to -12.03 (Cooling System Installed)
GIW-02	01/22/15							N/A	(Cooling System Installed)
GIW-02	01/23/15							N/A	(Cooling System Installed)
GIW-02	01/26/15	1.7	61.2	0	37.1	35.5	-19.54	N/A	Decreased vac to -15.57 (Cooling System Installed)
GIW-02	01/27/15							N/A	(Cooling System Installed)
GIW-02	01/28/15	1.4	57.6	0.1	40.9	47.2	12.52	N/A	Increased vac to -0.69 (Cooling System Installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	01/29/15							N/A	(Cooling System Installed)
GIW-02	01/30/15							N/A	(Cooling System Installed)
GIW-02	02/02/15							N/A	(Cooling System Installed)
GIW-02	02/03/15							N/A	(Cooling System Installed)
GIW-02	02/04/15							N/A	(Cooling System Installed)
GIW-02	02/05/15							N/A	(Cooling System Installed)
GIW-02	02/06/15	1.4	51.7	2.7	44.2	33.7	-10.81	N/A	Decreased vac to -10.26 (Cooling System Installed)
GIW-02	02/09/15							N/A	(Cooling System Installed)
GIW-02	02/10/15							N/A	(Cooling System Installed)
GIW-02	02/11/15	1.3	62.1	2.1	34.5	43.4	-14.16	N/A	decreased vac to -5.56 (Cooling System Installed)
GIW-02	02/12/15							N/A	(Cooling System Installed)
GIW-02	02/13/15							N/A	(Cooling System Installed)
GIW-02	02/16/15							N/A	(Cooling System Installed)
GIW-02	02/17/15							N/A	(Cooling System Installed)
GIW-02	02/18/15							N/A	(Cooling System Installed)
GIW-02	02/19/15							N/A	(Cooling System Installed)
GIW-02	02/20/15	1.1	50.6	4.4	43.9	23.3	-9.28	N/A	Decreased vac to -5.86 (Cooling System Installed)
GIW-02	02/23/15							N/A	(Cooling System Installed)
GIW-02	02/24/15							N/A	(Cooling System Installed)
GIW-02	02/25/15							N/A	(Cooling System Installed)
GIW-02	02/26/15							N/A	(Cooling System Installed)
GIW-02	02/27/15							N/A	(Cooling System Installed)
GIW-02	02/28/15	1.5	43.6	10.2	44.7	25.5	-0.22	N/A	(Cooling System Installed)
GIW-02	03/01/15							N/A	
GIW-02	03/02/15							N/A	
GIW-02	03/03/15							N/A	
GIW-02	03/04/15	3	64.5	0	32.5	25	0.13	N/A	Increased vac to -0.1
GIW-02	03/05/15							N/A	
GIW-02	03/06/15	2.5	41.6	8.2	47.7	41.9	-0.08	N/A	
GIW-02	03/07/15							N/A	
GIW-02	03/08/15							N/A	
GIW-02	03/09/15							N/A	
GIW-02	03/10/15	4.4	63.8	0.1	31.7	61.3	-0.08	N/A	Increased vac to -0.39
GIW-02	03/11/15							N/A	
GIW-02	03/12/15							N/A	
GIW-02	03/13/15							N/A	
GIW-02	03/14/15							N/A	
GIW-02	03/15/15							N/A	
GIW-02	03/16/15							N/A	
GIW-02	03/17/15							N/A	
GIW-02	03/18/15	0.9	57.8	2	39.3	50.6	-12.15	N/A	Decreased vac to -11.48
GIW-02	03/19/15							N/A	
GIW-02	03/20/15	2	65.5	0	32.5	46.2	1.3	N/A	Increased vac to -2.45
GIW-02	03/21/15							N/A	
GIW-02	03/22/15							N/A	
GIW-02	03/23/15							N/A	
GIW-02	03/24/15	3.4	61.8	0	34.8	35.3	-0.14	N/A	Increased vac to -0.22
GIW-02	03/25/15							N/A	
GIW-02	03/26/15	4.6	62.8	0	32.6	40.3	-0.41	N/A	Increased vac to -0.63

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	03/27/15							N/A	
GIW-02	03/28/15							N/A	
GIW-02	03/29/15							N/A	
GIW-02	03/30/15							N/A	
GIW-02	03/31/15	4.7	63.9	0	31.4	70.4	-0.49	N/A	Increased vac to -0.77
GIW-02	04/01/15							N/A	
GIW-02	04/02/15	4.2	59.8	0.1	35.9	67.2	-0.61	N/A	Increased vac to -0.99
GIW-02	04/03/15							N/A	
GIW-02	04/04/15							N/A	
GIW-02	04/05/15							N/A	
GIW-02	04/06/15							N/A	
GIW-02	04/07/15							N/A	
GIW-02	04/08/15							N/A	
GIW-02	04/09/15							N/A	
GIW-02	04/10/15	11.1	57.7	0.3	30.9	60.8	-1.69	N/A	Increased vac to -1.89
GIW-02	04/11/15							N/A	
GIW-02	04/12/15							N/A	
GIW-02	04/13/15							N/A	
GIW-02	04/14/15							N/A	
GIW-02	04/15/15							N/A	
GIW-02	04/16/15	9.9	59.3	0.4	30.4	85.9	-1.73	N/A	Increased vac to -1.97
GIW-02	04/17/15							N/A	
GIW-02	04/18/15							N/A	
GIW-02	04/19/15							N/A	
GIW-02	04/20/15							N/A	
GIW-02	04/21/15	12.1	55.3	0.2	32.4	73.4	-4.05	N/A	
GIW-02	04/22/15							N/A	
GIW-02	04/23/15							N/A	
GIW-02	04/24/15							N/A	
GIW-02	04/25/15							N/A	
GIW-02	04/26/15							N/A	
GIW-02	04/27/15							N/A	
GIW-02	04/28/15							N/A	
GIW-02	04/29/15							N/A	
GIW-02	04/30/15	13.7	46.6	1.8	37.9	81	-2.96	N/A	Decreased vac to -2.36
GIW-02	05/01/15							N/A	
GIW-02	05/02/15							N/A	
GIW-02	05/03/15							N/A	
GIW-02	05/04/15							N/A	
GIW-02	05/05/15							N/A	
GIW-02	05/06/15	16.8	42.8	2.9	37.5	92.5	-3.49	N/A	Opened valve slightly
GIW-02	05/07/15							N/A	
GIW-02	05/08/15							N/A	
GIW-02	05/09/15							N/A	
GIW-02	05/10/15							N/A	
GIW-02	05/11/15							N/A	
GIW-02	05/12/15							N/A	
GIW-02	05/13/15							N/A	
GIW-02	05/14/15	10.6	45.9	3.7	39.8	75	-2.8	N/A	Decreased vac to -1.5

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-02	05/15/15							N/A	

GIW-2 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	01/01/14	0.4	76.5	0	23.1	183	-4.9	NA	
GIW-03	01/03/14	0.3	78.2	0	21.5	182	-4.8	Y	
GIW-03	01/13/14	0.2	79.7	0	20.1	173	-16.3	Y	Decreased vac to -4 inches (pump eval on 16th)
GIW-03	01/15/14	0.1	76.9	1	22	170	-1.9	Y	Decreased vac to -1.3 inches
GIW-03	01/17/14	0.3	79.3	0	20.4	175	-5.1	Y	
GIW-03	01/20/14	0.7	80.8	0	18.5	190	0.3	y	Increased vac to -2.0 inches
GIW-03	01/22/14	0.2	79.8	0	20	174	-4.9	Y	
GIW-03	01/24/14	0.1	77	0	22.9	173	-4.8	Y	
GIW-03	01/27/14	0.3	79.9	0	19.8	176	-4.2	N	Replaced 1" rod seal
GIW-03	01/29/14	0.1	75.7	0	24.2	181	-5	Y	
GIW-03	02/03/14	0	78.3	0	21.7	186	1.3	Y	Increased vac to -0.5 inches
GIW-03	02/05/14	0.4	77	0	22.6	160	-4.5	Y	
GIW-03	02/07/14	0.4	77.1	0.1	22.4	190	-0.2	N	Increased vac to -4.0 inches (needs rod)
GIW-03	02/10/14	0.2	75.7	0.1	24	187	-13.2	N	Decreased vac to -4.9 inches (replaced fiberglass rod and foot valve)
GIW-03	02/12/14	0.4	78.4	0	21.2	184	-10.8	Y	Decreased vac to -6.4 inches
GIW-03	02/14/14	0.4	76.8	0	22.8	183	10.1	Y	Increased vac to -0.9 inches
GIW-03	02/17/14	0.4	76.6	0	23	185	-8	Y	reduced vac to -7.2 inches
GIW-03	02/19/14	0.4	78	0	21.6	190	10	N	increased vac to -0.4 inches (replaced 1" rod seal)
GIW-03	02/21/14	0.3	74.8	0	24.9	187	-1.9	N	increased vac to -2.4 inches (piston needs replaced)
GIW-03	02/24/14	0.4	77.6	0	22	187	-4.8	N	bad piston
GIW-03	02/26/14	0.3	72.5	1.2	26	170	-6.8	N	increased vac to -4.4 inches (bad piston)
GIW-03	02/28/14	0.3	76.1	0	23.6	185	-4.8	N	piston needs replaced
GIW-03	03/03/14	0.4	79.6	0	20	188	1.3	N	increased vac to -0.8 inches (needs piston)
GIW-03	03/05/14	0.2	75.9	1.3	22.6	190	-9.9	N	decreased vac to -7.2 inches (needs piston replaced)
GIW-03	03/07/14	0.4	80.5	0	19.1	182	-6.3	N	decreased vac to -6.0 inches (needs piston)
GIW-03	03/10/14	0.2	78.3	0	21.5	172	-9.5	N	decreased vac to -8.0 inches (piston needs replaced)
GIW-03	03/12/14	0.3	76.5	0.4	22.8	153	-18.1	Y	decreased vac to -12.0 inches
GIW-03	03/14/14	0.3	80	0	19.7	177	23.2	N	increased vac to -1.3 inches (pump needs pulled)
GIW-03	03/17/14	0.3	78.6	0.2	20.9	190	-16.2	Y	decreased vac to -13.2 inches
GIW-03	03/24/14	0.2	76.8	0.7	22.3	45	-20.8	N	decreased vac to -3.9 inches (1" rod seal needs replaced)
GIW-03	03/28/14	0.3	79.7	0.1	19.9	62	-7.3	N	decreased vac to -6.0 inches (1" rod seal needs replaced)
GIW-03	03/31/14	0.4	81.5	0	18.1	77	-4.6	N	(1" rod seal needs replaced)
GIW-03	04/02/14	0.3	78	0.6	21.1	89	-7.9	N	decreased vac to -7.4 inches (1" rod seal needs replaced)
GIW-03	04/03/14	0.3	80.1	0.2	19.4	107	-6.4	N	decreased vac to -5.9 inches (1" rod seal needs replaced)
GIW-03	04/05/14	1.8	14.9	17.6	65.7	131	-6.2	na	decreased vac to -4.9 inches
GIW-03	04/07/14	0.7	21.9	15.6	61.8	135	-5.2	Y	decreased vac to -0.3 inches
GIW-03	04/08/14	0.2	13.1	19.1	67.6	139	-17.4	Y	decreased vac to -16.8 inches
GIW-03	04/09/14	0.3	69.1	1.4	29.2	158	-0.2	Y	oxygen reduced
GIW-03	04/11/14	0.2	76.4	0.1	23.3	185	-4.3	na	
GIW-03	04/14/14	0.5	73.5	1.2	24.8	177	-24.8	Y	decreased vac to -22.9 inches
GIW-03	04/15/14	0.7	76.1	0	23.2	187	48.3	N	increased vac to -1.5 inches (back flowed to restart)
GIW-03	04/16/14	0.6	76	0	23.4	196	14.7	N	increased vac to -0.3 inches (back flowed to restart)
GIW-03	04/17/14	0.5	74.6	0	24.9	194	-2.2	N	increased vac to -2.9 inches (back flowed to restart)
GIW-03	04/18/14	0.3	75.7	0	24	189	-25.5	na	decreased vac to -21.6 inches
GIW-03	04/21/14	0.4	75.6	0	24	183	-18.4	N	decreased vac to -13.6 inches (back flow to restart)
GIW-03	04/22/14	0.4	76.4	0	23.2	195	-4	N	(back flow to restart)
GIW-03	04/23/14	0.4	75.2	0.5	23.9	185	-22.3	N	decreased vac to -19.3 inches (back flow to restart)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	04/24/14	0.5	74.5	0.2	24.8	184	-22.4	N	decreased vac to -19.2 inches (backflow to restart)
GIW-03	04/25/14	0.4	77	0	22.6	193	4.2	Y	increased vac to -0.2 inches
GIW-03	04/28/14	0.5	76.1	0	23.4	188	-23.2	N	decreased vac to -22.3 inches (backflow to restart)
GIW-03	04/29/14	0.5	74.2	0.1	25.2	192	-10.9	N	decreased vac to -8.1 inches (backflow to restart)
GIW-03	04/30/14	0.5	76.1	0	23.4	197	13	N	increased vac to -1.0 inches (backflow to restart)
GIW-03	05/01/14	0.6	67.5	1.9	30	187	-23.9	na	decreased vac to -22.1 inches
GIW-03	05/02/14	0.6	74.9	0	24.5	192	-22.4	N	decreased vac to -18.0 inches (backflow to restart pump)
GIW-03	05/05/14	0.9	73.7	0	25.4	192	-17.1	N	decreased vac to -15.4 inches (back-flowed pump)
GIW-03	05/06/14	0.3	73.3	0	26.4	192	-16.7	N	decreased vac to -16.0 inches (pump not working)
GIW-03	05/07/14	0.6	71.7	0	27.7	192	-15.7	N	decreased vac to -13.7 inches (pump replaced)
GIW-03	05/09/14	0.3	73.1	0	26.6	190	-0.5	N	increased vac to -2.5 inches (replaced pump)
GIW-03	05/12/14	0.4	72.6	0	27	194	-5.1	Y	
GIW-03	05/13/14	0.4	71.4	0	28.2	193	4.1	Y	increased vac to -0.5 inches
GIW-03	05/16/14	0.4	73.7	0	25.9	195	-4.4	Y	(evaluated on the 15th)
GIW-03	05/19/14	0.5	75.3	0	24.2	189	-21.8	N	Decreased vac to -21.5 inches (replaced 1" rod seal)
GIW-03	05/20/14	0.5	74.7	0	24.8	195	-5	na	
GIW-03	05/21/14	0.8	73	0	26.2	199	9.1	Y	Increased vac to -1.5 inches
GIW-03	05/22/14	0.4	73.7	0	25.9	198	7.2	Y	Increased vac to -1.0 inches
GIW-03	05/23/14	0.5	73.3	0.4	25.8	198	-5.1	na	
GIW-03	05/27/14	0.6	71.2	0	28.2	195	-17.5	na	Decreased vac to -16.3 inches
GIW-03	05/28/14	0.5	72	0	27.5	193	-16.1	N	Decreased vac to -14.8 inches (replaced 4-way air valve, pump operational)
GIW-03	05/29/14	0.4	72.7	0	26.9	198	0.3	Y	
GIW-03	05/30/14	0.4	70.5	0	29.1	194	-15.6	na	Increased vac to -17.1 inches
GIW-03	06/02/14	0.3	72.9	0	26.8	190	-19.1	N	Decreased vac to -18.6 inches (blown 1" rod seal)
GIW-03	06/03/14	0.3	72.7	0	27	192	-12.4	N	Decreased vac to -10.8 inches (blown 1" rod seal)
GIW-03	06/04/14	0.3	72.2	0	27.5	190	-12.3	N	Increased vac to -11.1 inches (blown 1" rod seal)
GIW-03	06/05/14	0.3	71.9	0	27.8	190	-6.7	N	Decreased vac to -6.3 inches (replaced 1" rod seal, pump operational)
GIW-03	06/06/14	0.3	72.1	0	27.6	192	-10.5	N	Decreased vac to -9.5 inches (replaced 4-way valve - pump operational)
GIW-03	06/09/14	0.4	71	0	28.6	191	-9	N	Decreased vac to -7.7 inches (replaced pump with a rebuilt one, pump operational)
GIW-03	06/10/14	0.3	70.9	0	28.8	193	-6.2	na	Decreased vac to -5.8 inches
GIW-03	06/11/14	0.5	74.1	0	25.4	198	11.5	N	Increased vac to -0.9 inches (replaced 4-way valve, pump operational)
GIW-03	06/12/14	0.3	74.2	0	25.5	199	2.2	Y	Increased vac to -0.2 inches
GIW-03	06/13/14	0.3	72.4	0	27.3	198	3.4	Y	Increased vac to -1.6 inches
GIW-03	06/16/14	0.3	68	0	31.7	195	-15.7	N	Decreased vac to -14.8 (replaced 4-way valve, pump operational)
GIW-03	06/17/14	0.3	72.3	0	27.4	196	-7.6	Y	Decreased vac to -5.3
GIW-03	06/19/14	0.2	67.1	0	32.7	194	-18.4	N	Decreased vac to -15.4 (replaced 3"x1/4" nipple, pump operational)
GIW-03	06/23/14	0.3	70.4	0	29.3	195	-14.7	N	Decreased vac to -13.8 (replaced 1/4"x3" air nipple, pump operational)
GIW-03	06/24/14	0.5	70.8	0	28.7	199	19.5	Y	Increased vac to -1.7
GIW-03	06/25/14	0.3	67.8	0.6	31.3	197	-12.6	Y	Decreased vac to -11
GIW-03	06/26/14	3.6	67.5	0	28.9	196	-9.9	N	Decreased vac to -9.3 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-03	06/27/14	0.5	71.8	0	27.7	199	-2	Y	Increased vac to -3.7
GIW-03	06/30/14	0.4	73.3	0	26.3	199	-0.9	NA	Increased vac to -2
GIW-03	07/01/14	0.7	73.5	0	25.8	197	-6.3	NA	
GIW-03	07/03/14	0.4	74.1	0	25.5	200	-5.9	NA	
GIW-03	07/07/14	0.6	73.1	0	26.3	200	-4.4	Y	
GIW-03	07/08/14	2	73.5	0	24.5	199	-5	N	(blown 1" rod seal)
GIW-03	07/09/14	0.3	73.2	0	26.5	198	-5	N	(replaced 1" rod seal, pump operational)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	07/10/14	0.7	72.7	0	26.6	198	-4.3	Y	(refilled memo and 4-way oil)
GIW-03	07/11/14					157		Y	
GIW-03	07/14/14	0.9	72.3	0	26.8	196	-4.1	N	(hole in the HD piping)
GIW-03	07/15/14	0.5	74.8	0	24.7	191	-12	N	Decreased vac to -11.5 (hole in the HD piping)
GIW-03	07/16/14	0.5	74.4	0	25.1	195	-9.4	N	Decreased vac to -8.2 (hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/17/14	0.7	72.9	0.3	26.1	195	-11	N	Decreased vac to -8.9 (hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/18/14	0.6	69.9	1.1	28.4	194	-9.5	Y	Decreased vac to -8.8 (hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/21/14	0.8	72.2	0	27	194	-8.8	N	Decreased vac to -6.9 (hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/22/14	0.4	73.6	0	26	192	-9.2	N	Decreased vac to -7.9 (hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/23/14	0.3	74.1	0	25.6	192	-4.8	N	(hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/24/14	0.3	71.3	0	28.4	194	-4.5	N	(hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/25/14	0.3	73.1	0	26.6	194	-4.4	N	(hole in the HD piping, needs to be pulled and repaired)
GIW-03	07/28/14	1.2	72.4	0	26.4	189	-10.2	N	Decreased vac to -9.3 (pull HD setup, cut hole out and re-weld pipe, pump operational)
GIW-03	07/29/14	1.1	42.7	8.6	47.6	172	0.8	Y	Increased vac to -10.6
GIW-03	07/30/14	2.2	16.8	15.6	65.4	160	-1.6	Y	Decreased vac to -0.8
GIW-03	07/31/14	1	70.8	0.3	27.9	190	-12.6	Y	Decreased vac to -10.5
GIW-03	08/01/14							Y	
GIW-03	08/04/14	0.4	72.6	0	27	188	-11.8	Y	Decreased vac to -9.6
GIW-03	08/05/14							Y	
GIW-03	08/06/14	0.3	74.2	0	25.5	192	-10.3	Y	Decreased vac to -8
GIW-03	08/07/14							Y	
GIW-03	08/08/14	0.4	73.2	0	26.4	195	-5	N	(hole in HD piping, need to pull and repair)
GIW-03	08/11/14	0.2	73.2	0	26.6	191	-5	N	(hole in HD piping, need to pull and repair)
GIW-03	08/12/14	0.4	68.4	1.3	29.9	187	-5	N	(hole in HD piping, need to pull and repair)
GIW-03	08/13/14	0.3	72.3	0	27.4	194	-4.1	N	(hole in HD piping, need to pull and repair)
GIW-03	08/14/14	0.3	71.1	0.8	27.8	195	-4.6	N	(hole in HD piping, need to pull and repair)
GIW-03	08/15/14	0.3	73.6	0.8	25.3	195	-3.9	N	(hole in HD piping, need to pull and repair)
GIW-03	08/18/14	0.5	71	0.6	27.9	195	-4.3	N	(hole in HD piping, need to pull and repair)
GIW-03	08/19/14	0.3	68.7	1.3	29.7	192	-5	N	(hole in HD piping, need to pull and repair)
GIW-03	08/20/14	0.3	69.4	0.4	29.9	192	-4	N	(hole in HD piping, need to pull and repair)
GIW-03	08/21/14	1.7	70.9	0	27.4	178	0.2	N	Increased vac to -4.4 (installed in HD piping at 45', pump operational and moving)
GIW-03	08/22/14	1.4	70	0	28.6	192	-10.6	Y	Decreased vac to -8.9
GIW-03	08/25/14	0.3	73.4	0	26.3	192	-4.6	Y	
GIW-03	08/26/14	0.2	72.1	0	27.7	191	-4.6	Y	
GIW-03	08/27/14	0.3	73.2	0	26.5	188	-4.5	Y	
GIW-03	08/28/14	1	69.9	0	29.1	191	-7.7	N	Decreased vac to -4.7 (replaced 1" rod seal, pump operational)
GIW-03	08/29/14	0.4	73.6	0	26	188	-4.1	Y	
GIW-03	09/01/14							N	(1" rod seal needs to be replaced)
GIW-03	09/02/14	0.3	74	0	25.7	191	-4.3	N	(1" rod seal needs to be replaced)
GIW-03	09/03/14	0.2	73.1	0	26.7	195	-4.1	N	(1" rod seal needs to be replaced)
GIW-03	09/04/14	0.5	72.1	0	27.4	190	-5	N	(1" rod seal needs to be replaced)
GIW-03	09/05/14	0.3	69.6	1.1	29	194	-4	N	(replaced 1" rod seal, pump operational)
GIW-03	09/08/14							NA	(Not Available due to safe access conditions)
GIW-03	09/09/14							NA	(Not Available due to safe access conditions)
GIW-03	09/10/14							NA	(Not Available due to safe access conditions)
GIW-03	09/11/14							NA	(Not Available due to safe access conditions)
GIW-03	09/12/14							NA	(Not Available due to safe access conditions)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	09/15/14							N	(replaced 1" rod seal, pump operational)
GIW-03	09/16/14							Y	
GIW-03	09/17/14							Y	
GIW-03	09/18/14							Y	
GIW-03	09/19/14	1.1	72.1	0	26.8	195	-5.9	N	(replaced 1" rod seal, pump operational)
GIW-03	09/22/14	0.9	74.1	0	25	180	-14.9	N	(replaced 1" rod seal)
GIW-03	09/23/14	0.5	71.8	0	27.7	175	-11.8	Y	Decreased vac to -11
GIW-03	09/24/14	0.9	84.5	0.4	14.2	176.3	-9.35	N	Decreased vac to -4.44 (replaced 1" rod seal)
GIW-03	09/25/14	2.4	61.5	0.3	35.8	185.7	-4.88	Y	
GIW-03	09/26/14	0.2	63.4	0.3	36.1	196.6	-4.08	Y	
GIW-03	09/29/14	3.5	65.2	0.3	31	192.6	-15.63	N	Decreased vac to -13.19 (Replaced 1" rod seal, pump operational)
GIW-03	09/30/14	0.4	63.6	0	36	196.6	-4.22	Y	
GIW-03	10/01/14	2.1	60.7	0.3	36.9	196	-4.56	N	(Replaced 1/4"x3" air nipple, pump operational)
GIW-03	10/02/14	2.9	69.9	0	27.2	196	-4.17	Y	
GIW-03	10/03/14							Y	
GIW-03	10/06/14	0.6	63.8	0	35.6	195.9	-4.48	Y	Decreased vac to -3.59
GIW-03	10/07/14							N	(1" rod seal needs replaced)
GIW-03	10/08/14							N	(1" rod seal needs replaced)
GIW-03	10/09/14							N	(Cooling System installed)
GIW-03	10/10/14							N/A	(Cooling System installed)
GIW-03	10/13/14							N/A	(Cooling System installed)
GIW-03	10/14/14							N/A	(Cooling System installed)
GIW-03	10/15/14							N/A	(Cooling System installed)
GIW-03	10/16/14							N/A	(Cooling System installed)
GIW-03	10/17/14							N/A	(Cooling System installed)
GIW-03	10/20/14							N/A	(Cooling System installed)
GIW-03	10/21/14							N/A	(Cooling System installed)
GIW-03	10/22/14							N/A	(Cooling System installed)
GIW-03	10/23/14							N/A	(Cooling System installed)
GIW-03	10/24/14							N/A	(Cooling System installed)
GIW-03	10/27/14							N/A	(Cooling System Installed)
GIW-03	10/28/14							N/A	(Cooling System Installed)
GIW-03	10/29/14	0.5	70.8	0.1	28.6	60	-21	N/A	Decreased vac to -20 (Cooling System Installed)
GIW-03	10/30/14	0.5	67.8	0.1	31.6	63	-17.3	N/A	(Cooling System Installed)
GIW-03	10/31/14	0.7	67.2	0	32.1	48	-17.7	N/A	Decreased vac to -17.5 (Cooling System Installed)
GIW-03	11/03/14	0.5	70.9	0	28.6	71	-16.5	N/A	Decreased vac to -7.4 (Cooling System Installed)
GIW-03	11/04/14	0.4	74.4	0	25.2	53	-5.8	N/A	(Cooling System Installed)
GIW-03	11/05/14	0.6	69.2	0	30.2	54	-4.3	N/A	(Cooling System Installed)
GIW-03	11/06/14							N/A	(Cooling System Installed)
GIW-03	11/07/14	0.6	65.4	0	34	63	-4.1	N/A	(Cooling System Installed)
GIW-03	11/10/14							N/A	(Cooling System Installed)
GIW-03	11/11/14							N/A	(Cooling System Installed)
GIW-03	11/12/14	0.5	68.8	0	30.7	42	-4.7	N/A	Increased vac to -7.2 (Cooling System Installed)
GIW-03	11/13/14							N/A	(Cooling System Installed)
GIW-03	11/14/14	0.6	68.3	0	31.1	44	-4.7	N/A	(Cooling System Installed)
GIW-03	11/17/14							N/A	(Cooling System Installed)
GIW-03	11/18/14							N/A	(Cooling System Installed)

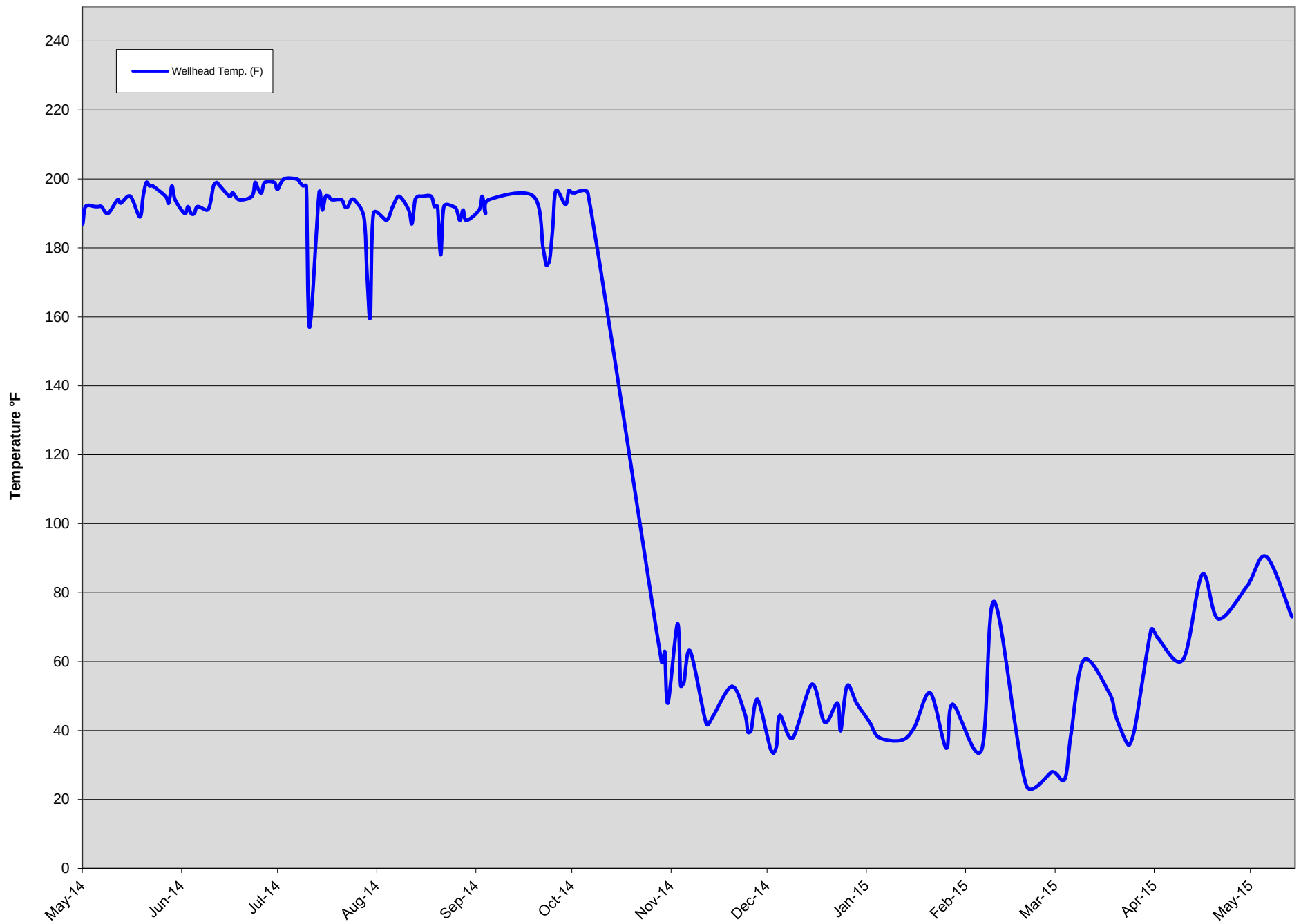
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	11/19/14							N/A	(Cooling System Installed)
GIW-03	11/20/14	0.7	52.4	0.1	46.8	52.8	-4.45	N/A	(Cooling System Installed)
GIW-03	11/21/14							N/A	(Cooling System Installed)
GIW-03	11/24/14	0.3	55.3	0.3	44.1	45	-4	N/A	(Cooling System Installed)
GIW-03	11/25/14	0.5	55.3	1.6	42.6	39.5	-4.33	N/A	(Cooling System Installed)
GIW-03	11/26/14	0.4	61.6	4.1	33.9	40	-5.1	N/A	(Cooling System Installed)
GIW-03	11/27/14								
GIW-03	11/28/14	0.3	64.3	2.6	32.8	49	-3	N/A	(Cooling System Installed)
GIW-03	12/01/14							N/A	(Cooling System Installed)
GIW-03	12/02/14	0.3	55.3	3.1	41.3	34.8	-4.55	N/A	(Cooling System Installed)
GIW-03	12/03/14	0.6	57	3	39.4	33.4	-3.8	N/A	Decreased vac to -2.8 (Cooling System Installed)
GIW-03	12/04/14	0.2	56.6	2.1	41.1	35.8	-2	N/A	(Cooling System Installed)
GIW-03	12/05/14	0.7	58.4	1.9	39	44.4	-3.02	N/A	(Cooling System Installed)
GIW-03	12/08/14							N/A	(Cooling System Installed)
GIW-03	12/09/14	0.4	55.5	2.2	41.9	37.9	-1.99	N/A	Decreased vac to -0.88 (Cooling System Installed)
GIW-03	12/10/14							N/A	(Cooling System Installed)
GIW-03	12/11/14							N/A	(Cooling System Installed)
GIW-03	12/12/14							N/A	(Cooling System Installed)
GIW-03	12/15/14	0.4	60.9	0	38.7	53.4	1.47	N/A	Increased vac to -3.26 (Cooling System Installed)
GIW-03	12/16/14							N/A	(Cooling System Installed)
GIW-03	12/17/14							N/A	(Cooling System Installed)
GIW-03	12/18/14							N/A	(Cooling System Installed)
GIW-03	12/19/14	0.7	50.3	1.8	47.2	42.4	-4.12	N/A	(Cooling System Installed)
GIW-03	12/22/14							N/A	(Cooling System Installed)
GIW-03	12/23/14	0.3	58	4.5	37.2	48	-4.2	N/A	Decreased vac to -3.4 (Cooling System Installed)
GIW-03	12/24/14	0.5	65.5	2.7	31.3	40	-4.8		
GIW-03	12/25/14								
GIW-03	12/26/14	0.5	61	3.1	35.4	53	-4.7	N/A	Decreased vac to -3 (Cooling System Installed)
GIW-03	12/29/14	0.2	51.9	3.1	44.8	47.9	-4	N/A	(Cooling System Installed)
GIW-03	12/30/14							N/A	(Cooling System Installed)
GIW-03	12/31/14							N/A	(Cooling System Installed)
GIW-03	01/01/15							N/A	(Cooling System Installed)
GIW-03	01/02/15	0.3	49.7	5.8	44.2	42.5	-4.71	N/A	Decreased vac to -3.92(Cooling System Installed)
GIW-03	01/05/15	0.4	47.4	6.4	45.8	38	-4.54		Decreased vac to -3.07
GIW-03	01/06/15								
GIW-03	01/07/15								
GIW-03	01/08/15								
GIW-03	01/09/15								
GIW-03	01/12/15	0.4	49.1	6	44.5	37.2	-3	N/A	Decreased vac to -1.82 (Cooling System Installed)
GIW-03	01/13/15							N/A	(Cooling System Installed)
GIW-03	01/14/15							N/A	(Cooling System Installed)
GIW-03	01/15/15							N/A	(Cooling System Installed)
GIW-03	01/16/15	0.3	55.6	3.9	40.2	40.9	-1.18	N/A	(Cooling System Installed)
GIW-03	01/19/15							N/A	(Cooling System Installed)
GIW-03	01/20/15							N/A	(Cooling System Installed)
GIW-03	01/21/15	0.3	50.6	5.5	43.6	50.9	-1.47	N/A	Decreased vac to -1.37 (Cooling System Installed)
GIW-03	01/22/15							N/A	(Cooling System Installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	01/23/15							N/A	(Cooling System Installed)
GIW-03	01/26/15	0.4	52.5	3.9	43.2	34.9	-0.81	N/A	(Cooling System Installed)
GIW-03	01/27/15							N/A	(Cooling System Installed)
GIW-03	01/28/15	0.4	56.1	2.3	41.2	47.6	-0.29	N/A	(Cooling System Installed)
GIW-03	01/29/15							N/A	(Cooling System Installed)
GIW-03	01/30/15							N/A	(Cooling System Installed)
GIW-03	02/02/15							N/A	(Cooling System Installed)
GIW-03	02/03/15							N/A	(Cooling System Installed)
GIW-03	02/04/15							N/A	(Cooling System Installed)
GIW-03	02/05/15							N/A	(Cooling System Installed)
GIW-03	02/06/15	0.4	57.9	1.6	40.1	34.3	-0.27	N/A	(Cooling System Installed)
GIW-03	02/09/15							N/A	(Cooling System Installed)
GIW-03	02/10/15	0.4	64.2	0.2	35.2	77.4	-0.07	N/A	Increased vac to -0.31 (Cooling System Installed)
GIW-03	02/11/15							N/A	(Cooling System Installed)
GIW-03	02/12/15							N/A	(Cooling System Installed)
GIW-03	02/13/15							N/A	(Cooling System Installed)
GIW-03	02/16/15							N/A	(Cooling System Installed)
GIW-03	02/17/15							N/A	(Cooling System Installed)
GIW-03	02/18/15							N/A	(Cooling System Installed)
GIW-03	02/19/15							N/A	(Cooling System Installed)
GIW-03	02/20/15	0.4	64.1	0	35.5	24.1	0.21	N/A	Increased vac to -16.48 (Cooling System Installed)
GIW-03	02/23/15							N/A	(Cooling System Installed)
GIW-03	02/24/15							N/A	(Cooling System Installed)
GIW-03	02/25/15							N/A	(Cooling System Installed)
GIW-03	02/26/15							N/A	(Cooling System Installed)
GIW-03	02/27/15							N/A	(Cooling System Installed)
GIW-03	02/28/15	0.3	49	9.9	40.8	28	-14.15	N/A	Increased vac to -14.21 (Cooling System Installed)
GIW-03	03/01/15							N/A	
GIW-03	03/02/15							N/A	
GIW-03	03/03/15							N/A	
GIW-03	03/04/15	0.2	37.2	12	50.6	25.9	-13.13	N/A	Decreased vac to -9.89
GIW-03	03/05/15							N/A	
GIW-03	03/06/15	0	12.5	20.2	67.3	39.1	-5.43	N/A	
GIW-03	03/07/15							N/A	
GIW-03	03/08/15							N/A	
GIW-03	03/09/15							N/A	
GIW-03	03/10/15	0.4	37.7	9.5	52.4	60.5	-7.39	N/A	Decreased vac to -4.5
GIW-03	03/11/15							N/A	
GIW-03	03/12/15							N/A	
GIW-03	03/13/15							N/A	
GIW-03	03/14/15							N/A	
GIW-03	03/15/15							N/A	
GIW-03	03/16/15							N/A	
GIW-03	03/17/15							N/A	
GIW-03	03/18/15	0.2	35.7	8.7	55.4	50.8	-4.65	N/A	Decreased vac to -0.67
GIW-03	03/19/15							N/A	
GIW-03	03/20/15	0.3	43.5	8.5	47.7	44.1	-1.74	N/A	Decreased vac to -1.13

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	03/21/15							N/A	
GIW-03	03/22/15							N/A	
GIW-03	03/23/15							N/A	
GIW-03	03/24/15	0.8	61.9	0.1	37.2	35.8	1.59	N/A	Increased vac to -1.1
GIW-03	03/25/15							N/A	
GIW-03	03/26/15	0.3	45.1	6.6	48	41.1	-1.14	N/A	Decreased vac to -0.56
GIW-03	03/27/15							N/A	
GIW-03	03/28/15							N/A	
GIW-03	03/29/15							N/A	
GIW-03	03/30/15							N/A	
GIW-03	03/31/15	0.5	55.8	2.4	41.3	69.2	-0.26	N/A	
GIW-03	04/01/15							N/A	
GIW-03	04/02/15	0.5	57.6	1.1	40.8	67	-0.22	N/A	
GIW-03	04/03/15							N/A	
GIW-03	04/04/15							N/A	
GIW-03	04/05/15							N/A	
GIW-03	04/06/15							N/A	
GIW-03	04/07/15							N/A	
GIW-03	04/08/15							N/A	
GIW-03	04/09/15							N/A	
GIW-03	04/10/15	0.5	62.5	0	37	60.6	-0.36	N/A	Increased vac to -0.73
GIW-03	04/11/15							N/A	
GIW-03	04/12/15							N/A	
GIW-03	04/13/15							N/A	
GIW-03	04/14/15							N/A	
GIW-03	04/15/15							N/A	
GIW-03	04/16/15	0.5	57.1	1.5	40.9	85.3	-0.17	N/A	Increased vac to -0.36
GIW-03	04/17/15							N/A	
GIW-03	04/18/15							N/A	
GIW-03	04/19/15							N/A	
GIW-03	04/20/15							N/A	
GIW-03	04/21/15	0.3	42.9	7.7	49.1	72.4	-0.93	N/A	
GIW-03	04/22/15							N/A	
GIW-03	04/23/15							N/A	
GIW-03	04/24/15							N/A	
GIW-03	04/25/15							N/A	
GIW-03	04/26/15							N/A	
GIW-03	04/27/15							N/A	
GIW-03	04/28/15							N/A	
GIW-03	04/29/15							N/A	
GIW-03	04/30/15	0.9	43.5	7.5	48.1	81.9	-0.89	N/A	Decreased vac to -0.34
GIW-03	05/01/15							N/A	
GIW-03	05/02/15							N/A	
GIW-03	05/03/15							N/A	
GIW-03	05/04/15							N/A	
GIW-03	05/05/15							N/A	
GIW-03	05/06/15	1.4	54.4	3.2	41	90.5	-0.42	N/A	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Adj. Static Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-03	05/07/15							N/A	
GIW-03	05/08/15							N/A	
GIW-03	05/09/15							N/A	
GIW-03	05/10/15							N/A	
GIW-03	05/11/15							N/A	
GIW-03	05/12/15							N/A	
GIW-03	05/13/15							N/A	
GIW-03	05/14/15	0.6	68.9	0	30.5	73	0	N/A	Increased vac to -0.7
GIW-03	05/15/15							N/A	

GIW-3 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	01/01/14								
GIW-04	01/03/14								
GIW-04	01/13/14								
GIW-04	01/15/14								
GIW-04	01/17/14								
GIW-04	01/20/14								
GIW-04	01/22/14								
GIW-04	01/24/14								
GIW-04	01/27/14								
GIW-04	01/29/14								
GIW-04	02/03/14								
GIW-04	02/05/14								
GIW-04	02/07/14								
GIW-04	02/10/14								
GIW-04	02/12/14								
GIW-04	02/14/14								
GIW-04	02/17/14								
GIW-04	02/19/14								
GIW-04	02/21/14								
GIW-04	02/24/14	0.4	77.2	0	22.4	59	-4.2	NA	
GIW-01	02/26/14								
GIW-01	02/28/14								
GIW-01	03/03/14								
GIW-01	03/05/14								
GIW-01	03/07/14								
GIW-04	03/10/14	0.1	78.2	0	21.7	74	-6.9	NA	Reduced vac to -5.3 inches
GIW-04	03/12/14	0.2	77.6	0.1	22.1	47	-9.1	NA	
GIW-04	03/14/14	0.3	81	0	18.7	95	-4.6	NA	
GIW-04	03/31/14	0.3	81.4	0	18.3	91	-9.2	NA	reduced vac to -7.6 inches
GIW-04	04/02/14	0.3	80.4	0	19.3	92	-4.6	NA	
GIW-04	04/03/14	0.3	80.7	0	19	108	-4.6	NA	(cooling system installed)
GIW-04	04/05/14							NA	
GIW-04	04/07/14							NA	
GIW-04	04/08/14							NA	
GIW-04	04/09/14							NA	
GIW-04	04/10/14							NA	
GIW-04	04/11/14							NA	
GIW-04	04/14/14							NA	
GIW-04	04/15/14							NA	
GIW-04	04/16/14							NA	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	04/17/14							NA	
GIW-04	04/18/14							NA	
GIW-04	04/21/14							NA	
GIW-04	04/22/14							NA	
GIW-04	04/23/14							NA	
GIW-04	04/24/14							NA	
GIW-04	04/25/14							NA	
GIW-04	04/28/14							NA	
GIW-04	04/29/14							NA	
GIW-04	04/30/14							NA	
GIW-04	05/01/14							NA	
GIW-04	05/02/14							NA	
GIW-04	05/05/14							NA	
GIW-04	05/06/14							NA	
GIW-04	05/07/14							NA	
GIW-04	05/08/14							NA	
GIW-04	05/09/14							NA	
GIW-04	05/12/14							NA	
GIW-04	05/13/14							NA	
GIW-04	05/16/14							NA	
GIW-04	05/19/14							NA	
GIW-04	05/20/14							NA	
GIW-04	05/21/14							NA	
GIW-04	05/22/14							NA	
GIW-04	05/23/14							NA	
GIW-04	05/27/14							NA	
GIW-04	05/28/14							NA	(cooling system installed)
GIW-04	05/29/14							NA	(cooling system installed)
GIW-04	05/30/14							NA	
GIW-04	06/02/14							NA	
GIW-04	06/03/14							NA	(cooling system installed)
GIW-04	06/04/14							NA	(cooling system installed)
GIW-04	06/05/14	0.1	77.5	0	22.4	83	-13.6	NA	Decreased vac to -13.2 (cooling system installed)
GIW-04	06/06/14	0.4	72.1	0	27.5	90	-15.9	NA	Decreased vac to -11.1 (cooling system installed)
GIW-04	06/09/14	0.4	71.7	0	27.9	103	-11.4	NA	Decreased vac to -10.6 inches (cooling system installed)
GIW-04	06/10/14	0.3	77.5	0	22.2	175	38.9	na	
GIW-04	06/11/14							NA	(cooling system installed)
GIW-04	06/12/14	0.4	73.8	0	25.8	130	-9.8	NA	Decreased vac to -7.7 inches (cooling system installed)
GIW-04	06/13/14	0.3	74.3	0	25.4	92	-9.7	NA	Decreased vac to -7.9 inches (cooling system installed)
GIW-04	06/16/14	0.5	73.2	0.3	26	98	-10.4	NA	Decreased vac to -7 (cooling system installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	06/17/14	0.3	75.5	0	24.2	96	-0.1	NA	Increased vac to -2.5 (cooling system installed)
GIW-04	06/23/14							NA	(cooling system installed)
GIW-04	06/24/14							NA	(cooling system installed)
GIW-04	06/25/14							NA	(cooling system installed)
GIW-04	06/26/14							NA	(cooling system installed)
GIW-04	06/27/14							NA	(cooling system installed)
GIW-04	06/30/14							NA	(cooling system installed)
GIW-04	07/01/14							NA	(cooling system installed)
GIW-04	07/03/14	0.3	71.1	0.9	27.7	85	-4.9	NA	(cooling system installed)
GIW-04	07/07/14	0.5	70.8	0.9	27.8	98	-4.8	NA	(cooling system installed)
GIW-04	07/08/14	1.2	77.3	0	21.5	104	-4.1	NA	(cooling system installed)
GIW-04	07/09/14	0.2	75.3	0	24.5	101	-4	NA	(cooling system installed)
GIW-04	07/10/14	0.5	73.2	0	26.3	96	-4.1	NA	(cooling system installed)
GIW-04	07/11/14	0.4	75	0	24.6	88	-5.1	NA	(cooling system installed)
GIW-04	07/14/14	0.4	74.3	0	25.3	95	-4.3	NA	(cooling system installed)
GIW-04	07/15/14	0.5	74.8	0	24.7	79	-9	NA	Decreased vac to -5.5 (cooling system installed)
GIW-04	07/16/14	0.3	75.5	0	24.2	88	-4.8	NA	(cooling system installed)
GIW-04	07/17/14	0.7	74.6	0	24.7	89	-5	NA	(cooling system installed)
GIW-04	07/18/14	0.3	75.2	0	24.5	80	-4.8	NA	(cooling system installed)
GIW-04	07/21/14	0.8	68.9	0.8	29.5	103	-5	NA	(cooling system installed)
GIW-04	07/22/14	0.3	73	0	26.7	90	-5.1	NA	(cooling system installed)
GIW-04	07/23/14	0.4	75.6	0	24	89	-5	NA	(cooling system installed)
GIW-04	07/24/14	0.2	73.2	0	26.6	84	-5	NA	(cooling system installed)
GIW-04	07/25/14	0.4	74.2	0	25.4	81	-4.1	NA	(cooling system installed)
GIW-04	07/28/14	0.4	75.3	0	24.3	80	-9.2	NA	Decreased vac to -8.1 (cooling system installed)
GIW-04	07/29/14	0.4	71	0	28.6	86	-4.2	NA	(cooling system installed)
GIW-04	07/30/14	0.3	74.1	0	25.6	90	-4.5	NA	(cooling system installed)
GIW-04	07/31/14	0.6	72.8	0	26.6	97	-0.8	NA	Increased vac to -1.9 (cooling system installed)
GIW-04	08/01/14	0.8	73.3	0	25.9	94	-4.3	NA	(cooling system installed)
GIW-04	08/04/14	0.4	70.9	0	28.7	91	-4	NA	(cooling system installed)
GIW-04	08/05/14							NA	(cooling system installed)
GIW-04	08/06/14	0.3	74.4	0	25.3	92	-4.8	NA	(cooling system installed)
GIW-04	08/07/14							NA	(cooling system installed)
GIW-04	08/08/14	0.9	68.7	0	30.4	83	-4.1	NA	(cooling system installed)
GIW-04	08/11/14	0.2	75.5	0	24.3	96	-4.8	NA	(cooling system installed)
GIW-04	08/12/14	0.4	74.9	0	24.7	83	-5	NA	(cooling system installed)
GIW-04	08/13/14	0.4	74.2	0	25.4	90	-4.1	NA	
GIW-04	08/14/14	0.3	75.3	0	24.4	87	-4.5	NA	(cooling system installed)
GIW-04	08/15/14	0.3	74.7	0	25	93	-4.7	NA	(cooling system installed)
GIW-04	08/18/14	0.3	74.5	0	25.2	89	-4.4	NA	(cooling system installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	08/19/14	0.5	74	0	25.5	89	-4.3	NA	(cooling system installed)
GIW-04	08/20/14	0.3	73.5	0	26.2	82	-5.2	NA	Decreased vac to -4.3 (cooling system installed)
GIW-04	08/21/14	0.3	72.5	0	27.2	90	3.3	NA	Increased vac to -0.6 (cooling system installed)
GIW-04	08/22/14	0.3	75	0	24.7	98	0.1	NA	Increased vac to -1.3 (cooling system installed)
GIW-04	08/25/14	0.3	74.3	0	25.4	96	4.9	NA	(cooling system installed)
GIW-04	08/26/14	0.3	72.5	0	27.2	90	5.9	NA	(cooling system installed)
GIW-04	08/27/14	0.3	74.2	0	25.5	92	3.1	NA	(cooling system installed)
GIW-04	08/28/14	0.4	73.7	0	25.9	91	2.7	NA	(cooling system installed)
GIW-04	08/29/14	0.3	74.5	0	25.2	86	3.7	NA	(cooling system installed)
GIW-04	09/01/14							NA	(cooling system installed)
GIW-04	09/02/14	0.3	75	0	24.7	76	3.8	NA	(cooling system installed)
GIW-04	09/03/14	0.4	72.9	0	26.7	87	5.2	NA	(cooling system installed)
GIW-04	09/04/14	0.4	73.4	0	26.2	92	4.3	NA	(cooling system installed)
GIW-04	09/05/14	0.3	73.3	0	26.4	90	4	NA	(cooling system installed)
GIW-04	09/08/14							NA	(Not Available due to safe access conditions)
GIW-04	09/09/14							NA	(Not Available due to safe access conditions)
GIW-04	09/10/14							NA	(Not Available due to safe access conditions)
GIW-04	09/11/14							NA	(Not Available due to safe access conditions)
GIW-04	09/12/14							NA	(Not Available due to safe access conditions)
GIW-04	09/15/14							NA	(cooling system installed)
GIW-04	09/16/14							NA	(cooling system installed)
GIW-04	09/17/14							NA	(cooling system installed)
GIW-04	09/18/14							NA	(cooling system installed)
GIW-04	09/19/14	0.5	74.8	0	24.7	88	2.6	NA	Decreased vac to 1.4 (cooling system installed)
GIW-04	09/22/14	0.9	72.9	0	26.2	86	1.2	NA	(cooling system installed)
GIW-04	09/23/14	0.6	72.8	0	26.6	176	4.3	NA	(cooling system installed)
GIW-04	09/24/14	0.6	76.6	0.4	22.4	93.6	2.89	NA	(cooling system installed)
GIW-04	09/25/14	2.3	55.8	0.3	41.6	83.2	0.15	NA	(cooling system installed)
GIW-04	09/26/14	0.3	63.5	0.5	35.7	96.7	-4.25	NA	(cooling system installed)
GIW-04	09/29/14	3	64.4	0.5	32.1	89	-11.9	NA	Decreased vac to -11.9 (Cooling system installed)
GIW-04	09/30/14	0.2	73.1	0	26.7	185.2	-9.28	NA	Decreased vac to -4.16 (Cooling system installed)
GIW-04	10/01/14	2.1	60.9	0.3	36.7	86.6	-4.76	NA	(cooling system installed)
GIW-04	10/02/14	2.1	64.1	0.1	33.7	76.9	-4.95	NA	(cooling system installed)
GIW-04	10/03/14							NA	(cooling system installed)
GIW-04	10/06/14	0.5	60.3	0	39.2	81.1	-4.1	N/A	Increased vac to -4.51 (Cooling System installed)
GIW-04	10/07/14							N/A	(Cooling System installed)
GIW-04	10/08/14							N/A	(Cooling System installed)
GIW-04	10/09/14	0	55.1	0	44.9	81.3	-7.2	N/A	Decreased vac to -4.15 (Cooling System installed)
GIW-04	10/10/14							N/A	(Cooling System installed)
GIW-04	10/13/14	1	62.1	0	36.9	119.6	-4.63	N/A	(Cooling System installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	10/14/14							N/A	(Cooling System installed)
GIW-04	10/15/14	0.4	49.5	6.5	43.6	59	-0.6	N/A	(Cooling System installed)
GIW-04	10/16/14	0.6	63.7	1.6	34.1	64	-8.9	N/A	Decreased vac to -5.9 (Cooling System installed)
GIW-04	10/17/14	0.5	71.1	0	28.4	66	0	N/A	Increased vac to -3.3 (Cooling System Installed)
GIW-04	10/20/14							N/A	(Cooling System Installed)
GIW-04	10/21/14	0.7	66.2	0	33.1	101	-13.5	N/A	Decreased vac to -12.6 (Cooling System Installed)
GIW-04	10/22/14	0.6	70.9	0	28.5	117	-13.9	N/A	Decreased vac to -13.1 (Cooling System Installed)
GIW-04	10/23/14	0.3	68.5	0	31.2	124	-12.4	N/A	Decreased vac to -11 (Cooling System Installed)
GIW-04	10/24/14	0.8	67.8	0.2	31.2	84	-4.2	N/A	(Cooling System Installed)
GIW-04	10/27/14	0.3	64.6	0	35.1	81	-12	N/A	Decreased vac to -8.6 (Cooling System Installed)
GIW-04	10/28/14	0.6	67.7	0.7	31	61	-18.9	N/A	Decreased vac to -15.9 (Cooling System Installed)
GIW-04	10/29/14	0.5	73.8	0	25.7	62	15.5	N/A	Increased vac to -7.3 (Cooling System Installed)
GIW-04	10/30/14	0.5	66.6	0.5	32.4	65	-15.7	N/A	Decreased vac to -12 (Cooling System Installed)
GIW-04	10/31/14	0.6	69.6	0.3	29.5	50	-4	N/A	(Cooling System Installed)
GIW-04	11/03/14	0.4	73.9	0.1	25.6	71	-4.2	N/A	(Cooling System Installed)
GIW-04	11/04/14	0.4	74	1.5	24.1	53	-3.4	N/A	(Cooling System Installed)
GIW-04	11/05/14	0.6	69.9	0	29.5	52	-4.4	N/A	(Cooling System Installed)
GIW-04	11/06/14							N/A	(Cooling System Installed)
GIW-04	11/07/14	0.4	74.1	0	25.5	60	-4	N/A	(Cooling System Installed)
GIW-04	11/10/14							N/A	(Cooling System Installed)
GIW-04	11/11/14							N/A	(Cooling System Installed)
GIW-04	11/12/14	0.6	69.9	0.6	28.9	40	-4.8	N/A	Decreased vac to -4.4 (Cooling System Installed)
GIW-04	11/13/14							N/A	(Cooling System Installed)
GIW-04	11/14/14	0.6	67.7	0	31.7	40	-4.4	N/A	(Cooling System Installed)
GIW-04	11/17/14							N/A	(Cooling System Installed)
GIW-04	11/18/14							N/A	(Cooling System Installed)
GIW-04	11/19/14							N/A	(Cooling System Installed)
GIW-04	11/20/14	0.4	56.6	1.1	41.9	45.9	-4.92	N/A	(Cooling System Installed)
GIW-04	11/21/14							N/A	(Cooling System Installed)
GIW-04	11/24/14	0.1	64	0.1	35.8	41.9	-4.76	N/A	(Cooling System Installed)
GIW-04	11/25/14	0	51.1	0.6	48.3	34.1	-4.89	N/A	(Cooling System Installed)
GIW-04	11/26/14	0.6	74.6	0	24.8	37	5	N/A	Increased vac to -5.7 (Cooling System Installed)
GIW-04	11/27/14								
GIW-04	11/28/14	0.4	62.7	3.5	33.4	48	-1.1	N/A	(Cooling system installed)
GIW-04	12/01/14							N/A	(Cooling System Installed)
GIW-04	12/02/14	0	62.4	0	37.6	28.9	-4.46	N/A	(Cooling System Installed)
GIW-04	12/03/14	0.4	57.5	0.8	41.3	32	-15.14	N/A	Decreased vac to -13.25 (Cooling System Installed)
GIW-04	12/04/14	0.4	54.8	1.8	43	34.4	-6.47	N/A	Decreased vac to -4.37(Cooling System Installed)
GIW-04	12/05/14	0.2	62.9	0	36.9	43.1	17.28	N/A	Increased vac to -9.16 (Cooling System Installed)
GIW-04	12/08/14							N/A	(Cooling System Installed)

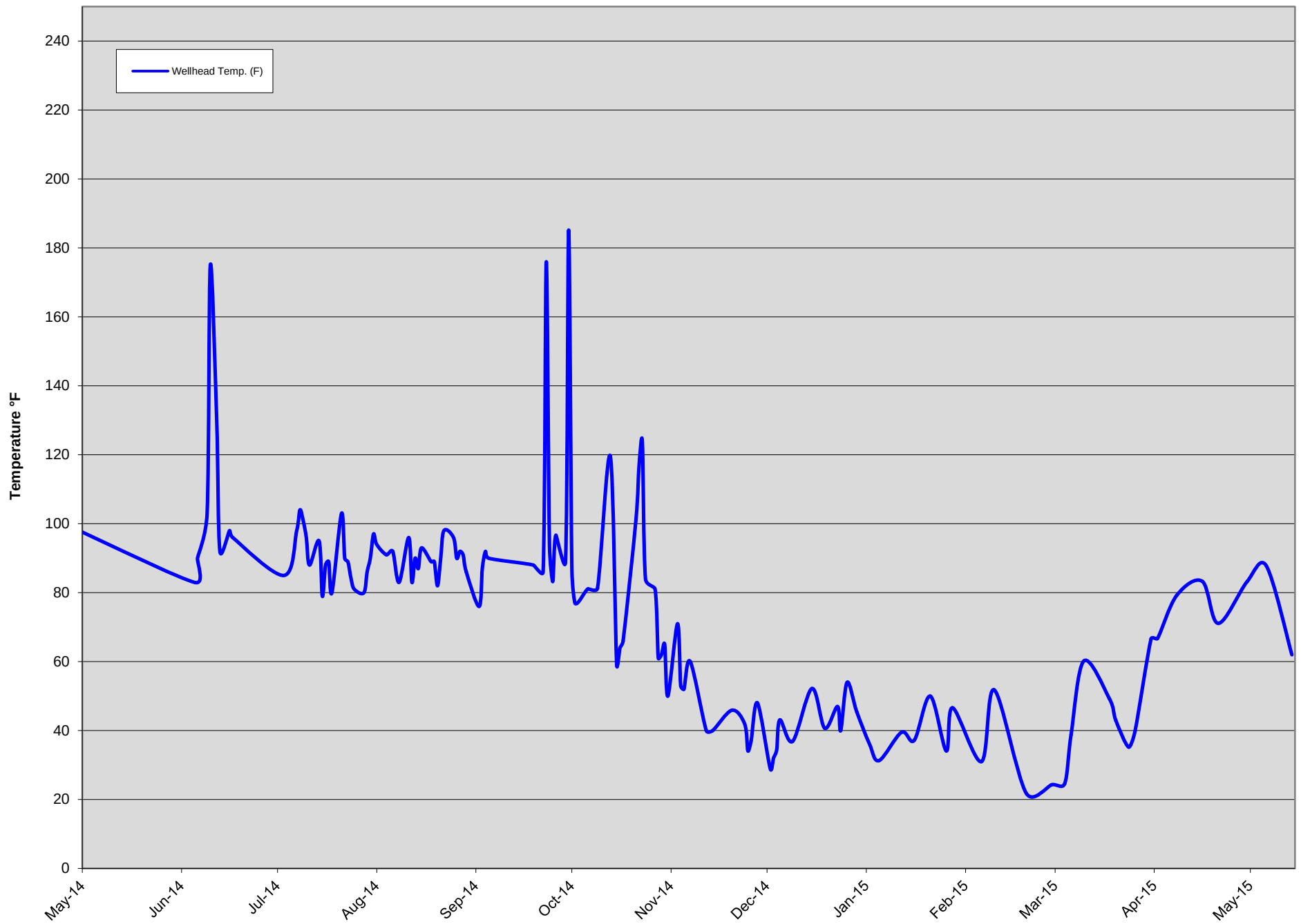
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	12/09/14	0.5	62.8	0.3	36.4	36.9	-16.42	N/A	Decreased vac to -15.81 (Cooling System Installed)
GIW-04	12/10/14							N/A	(Cooling System Installed)
GIW-04	12/11/14							N/A	(Cooling System Installed)
GIW-04	12/12/14							N/A	(Cooling System Installed)
GIW-04	12/15/14	0.6	63.4	1.3	34.7	52.2	-18.99	N/A	Decreased vac to -17.58 (Cooling System Installed)
GIW-04	12/16/14							N/A	(Cooling System Installed)
GIW-04	12/17/14							N/A	(Cooling System Installed)
GIW-04	12/18/14							N/A	(Cooling System Installed)
GIW-04	12/19/14	0.2	46.3	2.7	50.8	40.7	-4.03	N/A	(Cooling System Installed)
GIW-04	12/22/14							N/A	(Cooling System Installed)
GIW-04	12/23/14	0.4	68	1.1	30.5	47	-2.9	N/A	(Cooling System Installed)
GIW-04	12/24/14	0.6	70.4	0.7	28.3	40	-3.5		
GIW-04	12/25/14								
GIW-04	12/26/14	0.6	68.7	0.6	30.1	54	-4.7	N/A	(Cooling System Installed)
GIW-04	12/29/14	0.5	40.3	3.3	55.9	45.5	-4.8	N/A	(Cooling System Installed)
GIW-04	12/30/14							N/A	(Cooling System Installed)
GIW-04	12/31/14							N/A	(Cooling System Installed)
GIW-04	01/01/15							N/A	(Cooling System Installed)
GIW-04	01/02/15	0.4	56.8	0.2	42.6	36.1	0.77	N/A	Increased vac to -1.13 (Cooling System Installed)
GIW-04	01/05/15	0.5	50.4	3.7	45.4	31.3	-13.13		Decreased vac to -12.7
GIW-04	01/06/15								
GIW-04	01/07/15								
GIW-04	01/08/15								
GIW-04	01/09/15								
GIW-04	01/12/15	0.5	61.1	0	38.4	39.5	-4.07	N/A	(Cooling System Installed)
GIW-04	01/13/15							N/A	(Cooling System Installed)
GIW-04	01/14/15							N/A	(Cooling System Installed)
GIW-04	01/15/15							N/A	(Cooling System Installed)
GIW-04	01/16/15	0.6	59.3	0	40.1	37.2	-0.26	N/A	Increased vac to -6.9 (Cooling System Installed)
GIW-04	01/19/15							N/A	(Cooling System Installed)
GIW-04	01/20/15							N/A	(Cooling System Installed)
GIW-04	01/21/15	0.4	53.2	0	46.4	50	-20.51	N/A	Increased vac to -20.57 (Cooling System Installed)
GIW-04	01/22/15							N/A	(Cooling System Installed)
GIW-04	01/23/15							N/A	(Cooling System Installed)
GIW-04	01/26/15	0.4	49.9	2.4	47.3	34.1	-19.35	N/A	Increased vac to -20.21 (Cooling System Installed)
GIW-04	01/27/15							N/A	(Cooling System Installed)
GIW-04	01/28/15	0.5	52.1	3.6	43.8	46.6	-20.27	N/A	Increased vac to the -20.33 (Cooling System Installed)
GIW-04	01/29/15							N/A	(Cooling System Installed)
GIW-04	01/30/15							N/A	(Cooling System Installed)
GIW-04	02/02/15							N/A	(Cooling System Installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	02/03/15							N/A	(Cooling System Installed)
GIW-04	02/04/15							N/A	(Cooling System Installed)
GIW-04	02/05/15							N/A	(Cooling System Installed)
GIW-04	02/06/15	0.7	49.4	3.3	46.6	31	-11.29	N/A	Increased vac to -11.66 (Cooling System Installed)
GIW-04	02/09/15							N/A	(Cooling System Installed)
GIW-04	02/10/15	0.4	55.1	2.2	42.3	51.8	-18.56	N/A	Increased vac to -18.62 (Cooling System Installed)
GIW-04	02/11/15							N/A	(Cooling System Installed)
GIW-04	02/12/15							N/A	(Cooling System Installed)
GIW-04	02/13/15							N/A	(Cooling System Installed)
GIW-04	02/16/15							N/A	(Cooling System Installed)
GIW-04	02/17/15							N/A	(Cooling System Installed)
GIW-04	02/18/15							N/A	(Cooling System Installed)
GIW-04	02/19/15							N/A	(Cooling System Installed)
GIW-04	02/20/15	0.2	38.4	7.5	53.9	21.8	-11.66	N/A	Decreased vac to -10.81 (Cooling System Installed)
GIW-04	02/23/15							N/A	(Cooling System Installed)
GIW-04	02/24/15							N/A	(Cooling System Installed)
GIW-04	02/25/15							N/A	(Cooling System Installed)
GIW-04	02/26/15							N/A	(Cooling System Installed)
GIW-04	02/27/15							N/A	(Cooling System Installed)
GIW-04	02/28/15	0.4	55	0	44.6	24.3	26.46	N/A	Increased vac to -18.54 (Cooling System Installed)
GIW-04	03/01/15							N/A	
GIW-04	03/02/15							N/A	
GIW-04	03/03/15							N/A	
GIW-04	03/04/15	0.4	50.1	3.5	46	24.6	-15.38	N/A	Decreased vac to -12.33
GIW-04	03/05/15							N/A	
GIW-04	03/06/15	1.3	45.7	14	39	38.8	-10.68	N/A	
GIW-04	03/07/15							N/A	
GIW-04	03/08/15							N/A	
GIW-04	03/09/15							N/A	
GIW-04	03/10/15	0.5	55.1	2	42.4	60.2	-18.01	N/A	Decreased vac to -14.71
GIW-04	03/11/15							N/A	
GIW-04	03/12/15							N/A	
GIW-04	03/13/15							N/A	
GIW-04	03/14/15							N/A	
GIW-04	03/15/15							N/A	
GIW-04	03/16/15							N/A	
GIW-04	03/17/15							N/A	
GIW-04	03/18/15	0.9	47	2.3	49.8	49.2	-15.14	N/A	Decreased vac to -14.1
GIW-04	03/19/15							N/A	
GIW-04	03/20/15	0.5	51.3	3.2	45	42.9	-21.67	N/A	Decreased vac to -18.68

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	03/21/15							N/A	
GIW-04	03/22/15							N/A	
GIW-04	03/23/15							N/A	
GIW-04	03/24/15	0.5	55.7	0	43.8	35.2	4.4	N/A	Increased vac to 0.77
GIW-04	03/25/15							N/A	
GIW-04	03/26/15	0.4	50.6	4	45	39.9	-23.08	N/A	Decreased vac to -20.94
GIW-04	03/27/15							N/A	
GIW-04	03/28/15							N/A	
GIW-04	03/29/15							N/A	
GIW-04	03/30/15							N/A	
GIW-04	03/31/15	0.5	61.4	0	38.1	66.6	6.23	N/A	Increased vac to -2.11
GIW-04	04/01/15							N/A	
GIW-04	04/02/15	0.5	55.7	0	43.8	66.7	23.02	N/A	Increased vac to 8.36
GIW-04	04/03/15							N/A	
GIW-04	04/04/15							N/A	
GIW-04	04/05/15							N/A	
GIW-04	04/06/15							N/A	
GIW-04	04/07/15							N/A	
GIW-04	04/08/15	0.8	52.4	2.3	44.5	79.2	-21.25	N/A	Decreased vac to -17.52
GIW-04	04/09/15							N/A	
GIW-04	04/10/15							N/A	
GIW-04	04/11/15							N/A	
GIW-04	04/12/15							N/A	
GIW-04	04/13/15							N/A	
GIW-04	04/14/15							N/A	
GIW-04	04/15/15							N/A	
GIW-04	04/16/15	0.6	50	0.6	48.8	83.3	-2.43	N/A	Increased vac to -4.93
GIW-04	04/17/15							N/A	
GIW-04	04/18/15							N/A	
GIW-04	04/19/15							N/A	
GIW-04	04/20/15							N/A	
GIW-04	04/21/15	0.1	15	17.5	67.4	71.1	-0.21	N/A	
GIW-04	04/22/15							N/A	
GIW-04	04/23/15							N/A	
GIW-04	04/24/15							N/A	
GIW-04	04/25/15							N/A	
GIW-04	04/26/15							N/A	
GIW-04	04/27/15							N/A	
GIW-04	04/28/15							N/A	
GIW-04	04/29/15							N/A	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-04	04/30/15	1.3	55.5	0	43.2	83.2	4.65	N/A	Increased vac to -4.74
GIW-04	05/01/15							N/A	
GIW-04	05/02/15							N/A	
GIW-04	05/03/15							N/A	
GIW-04	05/04/15							N/A	
GIW-04	05/05/15							N/A	
GIW-04	05/06/15	1.1	57.3	0	41.6	87.8	-2.41	N/A	Increased vac to -4.88
GIW-04	05/07/15							N/A	
GIW-04	05/08/15							N/A	
GIW-04	05/09/15							N/A	
GIW-04	05/10/15							N/A	
GIW-04	05/11/15							N/A	
GIW-04	05/12/15							N/A	
GIW-04	05/13/15							N/A	
GIW-04	05/14/15	0.4	62.6	1.2	35.8	62	-10.4	N/A	Decreased vac to -7.2
GIW-04	05/15/15							N/A	

GIW-4 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	01/01/14	0.3	73	0	26.7	182	-1.2	NA	Increased vac to -2.1 inches
GIW-05	01/03/14	0.1	71.6	0	28.3	156	8.9	Y	Increased vac to -1.4 inches
GIW-05	01/13/14	0.2	72.6	0	27.2	161	13.1	Y	Increased vac to -1.4 inches
GIW-05	01/15/14	0	65	2.5	32.5	151	-5.1	Y	Decreased vac to -1.5 inches (pump eval on 16th)
GIW-05	01/17/14	0.1	73.4	0	26.5	160	0.7	Y	Increased vac to -2.4 inches
GIW-05	01/20/14	0.1	75.3	0	24.6	182	7	Y	Increased vac to -1.7 inches
GIW-05	01/22/14	0.1	73.8	0	26.1	135	-12.2	Y	Decreased vac to -4.7 inches
GIW-05	01/24/14	0	69.9	0	30.1	98	-7.4	Y	Decreased vac to -4.4 inches
GIW-05	01/27/14	0.1	71.5	0	28.4	98	-3	Y	Increased vac to -5.3 inches
GIW-05	01/29/14	0	69.4	0	30.6	117	-7.4	Y	Decreased vac to -4.3 inches
GIW-05	02/03/14	0	60.8	4.2	35	157	-5.9	N	Decreased vac to -4.6 inches (needs jetted)
GIW-05	02/05/14	0.1	53	5.8	41.1	120	-10.9	N	Decreased vac to -4.9 inches
GIW-05	02/07/14	0.2	72.5	0.1	27.2	169	1.4	N	Increased vac to -0.8 inches (needs rod)
GIW-05	02/10/14	0.1	61.2	3.4	35.3	151	-10.1	N	Decreased vac to -4.8 inches (need to replace rod)
GIW-05	02/12/14								
GIW-05	02/14/14								
GIW-05	02/17/14	0.2	72	0	27.8	122	-6.6	N	
GIW-05	02/19/14	0.3	73.9	0	25.8	180	-1.9	N	
GIW-05	02/21/14	0.2	71.5	0	28.3	140	-5.7	N	Decreased vac to -5.5 inches
GIW-05	02/24/14	0.3	71.4	0	28.3	156	-6.7	N	Decreased vac to -6.2 inches (new line set needed)
GIW-05	02/28/14	0.3	72.6	0	27.1	180	-4.5	N	rod seal replaced
GIW-05	03/03/14	0.6	74.9	0	24.5	139	-6.9	N	reduced vac to -6.6 inches (replaced 1" rod seal)
GIW-05	03/05/14	0.2	76	0	23.8	145	-9	Y	reduced vac to -7.1 inches
GIW-05	03/07/14	0.3	75.9	0	23.8	163	-11.3	N	reduced vac to -10.1 inches (needs foot valve)
GIW-05	03/10/14	0.1	73.9	0	26	110	-10.3	N	reduced vac to -8.9 inches (replaced 1" rod seal)
GIW-05	03/12/14	0.2	73.2	0	26.6	100	-13.4	Y	reduced vac to -8.9 inches
GIW-05	03/14/14	0.1	74.6	0.1	25.2	193	0.2	Y	reduced vac to -2.8 inches
GIW-05	03/17/14	0.3	76.2	0	23.5	152	-19	N	reduced vac to -18 inches (replaced 1" rod seal)
GIW-05	03/19/14	0.3	77	0	22.7	80	-16.3	Y	reduced vac to -15.6 inches
GIW-05	03/20/14	0.5	72.4	0	27.1	142	-12.9	N	reduced vac to -12.3 inches (replaced pump)
GIW-05	03/24/14	0.3	74.1	0.1	25.5	174	-7.9	N	decreased vac to -5.0 inches (replaced blackhawk pump)
GIW-05	03/26/14	0.3	74.1	0	25.6	176	21.7	Y	increased vac to -0.4 inches
GIW-05	03/28/14	0.4	73.8	0	25.8	194	20.2	Y	increased vac to -0.6 inches
GIW-05	03/31/14	0.3	74.1	0	25.6	150	-17.4	Y	reduced vac to -16.4 inches
GIW-05	04/02/14	0.4	73.2	0.2	26.2	130	-17.5	Y	reduced vac to -14.8 inches
GIW-05	04/03/14	0.3	74.2	0.2	25.3	179	-10.1	N	reduced vac to -9.5 inches (replaced 4 way valve)
GIW-05	04/05/14	0.9	73.9	0	25.2	156	-12.9	na	reduced vac to -10.6 inches
GIW-05	04/07/14	0.3	72.2	0.3	27.2	113	-14.6	Y	decreased vac to -9.5 inches
GIW-05	04/08/14	0.3	71	0	28.7	128	-6.8	Y	decreased vac to -4.9 inches
GIW-05	04/09/14	0.4	72.7	0	26.9	160	-0.7	N	decreased vac to -2.4 inches (replace valve)
GIW-05	04/10/14	1.5	72	0	26.5	125	-4.2	na	
GIW-05	04/11/14	0.2	73.3	0	26.5	167	14.1	na	increased vac to -0.9 inches
GIW-05	04/14/14	0.4	72.8	0.5	26.3	82	-17.9	N	decreased vac to -15.8 inches (bad valve)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	04/15/14	0.8	72.5	0	26.7	131	-8	N	decreased vac to -6.1 inches (bad valve)
GIW-05	04/16/14	0.5	72.1	0	27.4	124	-4.7	N	(bad valve)
GIW-05	04/17/14	0.3	72	0	27.7	175	0.8	N	decreased vac to -0.6 inches (bad valve)
GIW-05	04/18/14	1.4	68.3	0	30.3	177	-8.6	na	decreased vac to -7.9 inches
GIW-05	04/21/14	0.4	70.4	0	29.2	148	-13.4	Y	decreased vac to -13.3 inches
GIW-05	04/22/14	0.3	71.9	0	27.8	130	-5	Y	
GIW-05	04/23/14	0.3	71.2	0	28.5	122	-14.4	Y	decreased vac to -13 inches
GIW-05	04/24/14	0.4	70.6	0	29	145	-12.1	Y	decreased vac to -10.7 inches
GIW-05	04/25/14	0.3	71.3	0	28.4	143	-10.9	Y	decrease vac to -9.8 inches
GIW-05	04/28/14	0.3	71.7	0	28	105	-8.8	Y	decreased vac to -7.1 inches
GIW-05	04/29/14	0.3	70.4	0	29.3	103	-1	N	increased vac to -1.7 inches (adjusted 4 way valve)
GIW-05	04/30/14	0.4	70.9	0	28.7	88	-15.5	Y	decreased vac to -11.1 inches
GIW-05	05/01/14	0.4	69.1	0.7	29.8	89	-19.3	na	decreased vac to -17.4 inches
GIW-05	05/02/14	0.4	72	0	27.6	111	0.5	Y	increased vac to -0.1 inches
GIW-05	05/05/14	0.6	71.5	0	27.9	140	-0.2	N	Increased vac to -1.1 inches (replaced rod seal)
GIW-05	05/06/14	0.3	67.3	0	32.4	141	-16.5	Y	decreased vac to -15.1 inches
GIW-05	05/07/14	1.5	68.4	0	30.1	136	-18.1	Y	decreased vac to -13.5 inches
GIW-05	05/08/14	0.2	68.5	0	31.3	134	-9.4	Y	decreased vac to -8.5 inches
GIW-05	05/09/14	0.3	69.1	0	30.6	118	-10.1	Y	decreased vac to -9.6 inches
GIW-05	05/12/14	0.3	69.8	0	29.9	134	2.3	Y	increased vac to -0.9 inches
GIW-05	05/13/14	0.4	67.9	0	31.7	115	3.5	Y	increased vac to -1.1 inches
GIW-05	05/16/14	0.4	68.2	0	31.4	111	-15.5	Y	decreased vac to -12.8 inches (evaluated on the 15th)
GIW-05	05/19/14	0.3	71.8	0	27.9	112	-10.5	Y	Decreased vac to -8.1 inches
GIW-05	05/20/14	0.3	71.9	0	27.8	130	2.4	na	Increased vac to -0.5 inches
GIW-05	05/21/14	0.3	68.3	0	31.4	146	-12.5	Y	Decreased vac to -11.6 inches
GIW-05	05/22/14	0.3	70.3	0	29.4	144	-15.3	Y	Decreased vac to -14.6 inches
GIW-05	05/23/14	0.6	71.2	0	28.2	169	1.9	na	Increased vac to -1.5 inches
GIW-05	05/27/14	0.3	70.2	0	29.5	173	-0.9	na	Increased vac to -1.1 inches
GIW-05	05/28/14	0.3	68.4	0	31.3	172	-1.3	Y	Increased vac to -2.1 inches
GIW-05	05/29/14	0.3	68.5	0	31.2	171	-0.8	Y	Increased vac to -1.2 inches
GIW-05	05/30/14	0.2	69.8	0	30	167	-1.6	na	Increased vac to -2.4 inches
GIW-05	06/02/14	0.3	70	0	29.7	131	-13.8	Y	Decreased vac to -11.2
GIW-05	06/03/14	0.3	69.3	0	30.4	160	-5	Y	
GIW-05	06/04/14	0.3	70.1	0	29.6	120	-9.4	Y	Decreased vac to -7.6
GIW-05	06/05/14	0.2	69.8	0	30	115	0	Y	Increased vac to -2.5
GIW-05	06/06/14	0.3	69.2	0	30.5	164	4.5	Y	Increased vac to -2.9
GIW-05	06/09/14	0.3	69.9	0	29.8	117	-10.7	Y	Decreased vac to -6.9 inches
GIW-05	06/10/14	0.3	69.7	0	30	132	-16.6	na	Decreased vac to -16.3 inches
GIW-05	06/11/14	0.3	68	0	31.7	147	7.2	Y	Increased vac to -2.4 inches
GIW-05	06/12/14	0.3	71.4	0	28.3	120	-16.2	Y	Decreased vac to -10.1 inches
GIW-05	06/13/14	0.5	69.7	0	29.8	111	-5.2	Y	Decreased vac to -5.1 inches
GIW-05	06/16/14	0.4	69.4	0	30.2	139	3.2	Y	Increased vac to -2.4
GIW-05	06/17/14	0.3	69.5	0	30.2	115	-2.8	Y	Increased vac to -4.1

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	06/19/14	0.3	69.1	0	30.6	127	0.3	Y	Increased vac to -2.5
GIW-05	06/23/14	0.3	68.2	0	31.5	111	-4.9	Y	
GIW-05	06/24/14	0.3	67.7	0	32	111	-4	Y	
GIW-05	06/25/14	0.4	67	0	32.6	127	-6.4	Y	No change in vac
GIW-05	06/26/14	0.7	67.2	0	32.1	128	-0.1	Y	Increased vac to -1.7
GIW-05	06/27/14	0.4	69.7	0	29.9	106	-5.1	Y	
GIW-05	06/30/14	0.5	71.2	0	28.3	104	-2.2	NA	Increased vac to -2.7
GIW-05	07/01/14	1.1	70.3	0	28.6	86	-5.2	NA	
GIW-05	07/03/14	0.7	72.4	0	26.9	80	-5.3	NA	
GIW-05	07/07/14							Y	
GIW-05	07/08/14	0.2	69.9	1	28.9	195	-1.9	Y	
GIW-05	07/09/14	0.2	43.5	7.7	48.6	140	-8.3	Y	Decreased vac to -7.9
GIW-05	07/10/14	0.3	51.9	5.9	41.9	150	-13.2	Y	Decreased vac to -6.4 (refilled memo and 4-way oil)
GIW-05	07/11/14	0.5	73.7	0	25.8	146	-5.3	Y	
GIW-05	07/14/14	0.4	68.3	0.8	30.5	152	-5	Y	
GIW-05	07/15/14	0.5	71.9	0	27.6	138	-9.2	Y	Decreased vac to -6.2
GIW-05	07/16/14	0.3	65.7	1.3	32.7	156	-4.3	Y	
GIW-05	07/17/14	0.5	73.2	0	26.3	167	2.5	Y	Increased vac to -0.9
GIW-05	07/18/14	0.4	58.2	4.3	37.1	145	-7.9	Y	Decreased vac to -5
GIW-05	07/21/14	0.5	70.1	0	29.4	160	-4.1	N	(replaced 1" rod seal, pump operational)
GIW-05	07/22/14	0.5	72.1	0	27.4	145	-4.9	Y	
GIW-05	07/23/14	0.5	71.5	0	28	150	-4.1	Y	
GIW-05	07/24/14	0.7	71.2	0	28.1	150	-4	Y	
GIW-05	07/25/14	0.4	73.2	0	26.4	151	-4.8	Y	
GIW-05	07/28/14	0.6	72.1	0	27.3	147	-4.2	Y	
GIW-05	07/29/14	0.5	72.6	0	26.9	149	-4.8	Y	
GIW-05	07/30/14	0.4	72	0	27.6	165	-0.4	Y	Increased vac to -2
GIW-05	07/31/14	0.5	72.6	0	26.9	177	-4.7	Y	
GIW-05	08/01/14	0.4	70.8	0	28.8	173	-4.7	Y	
GIW-05	08/04/14	0.6	70.7	0	28.7	152	-5.1	Y	
GIW-05	08/05/14	0.9	70.9	0	28.2	155	-4.4	Y	
GIW-05	08/06/14	0.5	70.9	0	28.6	168	-4.9	Y	
GIW-05	08/07/14							Y	
GIW-05	08/08/14	0.5	71.1	0	28.4	164	-4.8	Y	
GIW-05	08/11/14	0.3	46.9	7.5	45.3	150	-4.4	Y	decreased vac to -3.3
GIW-05	08/12/14	0.5	70.9	0	28.6	142	-4	Y	
GIW-05	08/13/14	0.5	70.1	0	29.4	158	-4.7	Y	
GIW-05	08/14/14	0.4	71.4	0	28.2	161	-4.7	N	(replaced 1" rod seal, pump operational)
GIW-05	08/15/14	0.4	71.6	0	28	166	2.1	Y	
GIW-05	08/18/14	0.4	70.9	0	28.7	181	4.8	N	(replaced 4-way valve, pump operational)
GIW-05	08/19/14	0.5	70.6	0	28.9	166	5.3	Y	
GIW-05	08/20/14	0.4	71.3	0	28.3	167	6.8	Y	Increased vac to -10.1
GIW-05	08/21/14	0.6	67.4	0	32	152	-2.6	Y	Increased vac to -3.4

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	08/22/14	0.4	70.7	0	28.9	157	1.7	Y	Increased vac to -1.6
GIW-05	08/25/14	0.5	70.4	0	29.1	162	5.4	Y	
GIW-05	08/26/14	0.4	70.7	0	28.9	155	5.2	Y	
GIW-05	08/27/14	0.4	70.4	0	29.2	137	5.6	Y	
GIW-05	08/28/14	0.5	69.3	0	30.2	152	3.8	Y	
GIW-05	08/29/14	0.4	70.7	0	28.9	144	4.5	Y	
GIW-05	09/01/14							Y	
GIW-05	09/02/14	0.4	71.6	0	28	135	4.5	Y	
GIW-05	09/03/14	0.4	70.4	0	29.2	154	3.8	Y	
GIW-05	09/04/14	0.5	70.5	0	29	143	2.1	Y	
GIW-05	09/05/14	0.4	69.8	0	29.8	146	4.4	Y	
GIW-05	09/08/14							NA	(Not Available due to safe access conditions)
GIW-05	09/09/14							NA	(Not Available due to safe access conditions)
GIW-05	09/10/14							NA	(Not Available due to safe access conditions)
GIW-05	09/11/14							NA	(Not Available due to safe access conditions)
GIW-05	09/12/14							NA	(Not Available due to safe access conditions)
GIW-05	09/15/14							Y	
GIW-05	09/16/14							Y	
GIW-05	09/17/14							Y	(broken fiberglass rod)
GIW-05	09/18/14							Y	(broken fiberglass rod)
GIW-05	09/19/14	1.5	74.1	2.1	22.3	82	0.5	Y	(broken fiberglass rod)
GIW-05	09/22/14	0.8	70.1	0.1	29	89	-1.7	Y	(replaced fiberglass rod - pump operational)
GIW-05	09/23/14	0.5	66.8	0	32.7	114	0.2	Y	
GIW-05	09/24/14	0.6	76.3	0.2	22.9	99	0.2	Y	
GIW-05	09/25/14	2.2	63.6	0.1	34.1	95.4	0.67	Y	
GIW-05	09/26/14	0.5	60.8	0.4	38.3	103.6	-11.84	N	Decreased vac to -4.3 (replaced 1" rod seal and 1/4" x 3" air nipple)
GIW-05	09/29/14	0.9	62.2	0.3	36.6	93.2	-16.67	N	Decreased vac to -5.31 (Replaced 1" rod seal, pump operational)
GIW-05	09/30/14	0.4	54.8	0.7	44.1	92.5	-4.17	Y	
GIW-05	10/01/14	0.9	63.6	0	35.5	82.8	-5.01	N	(replaced 1" rod seal, pump operational)
GIW-05	10/02/14	2.4	61.5	0	36.1	81.5	-4.95	Y	
GIW-05	10/03/14							N	(replaced 1" rod seal, pump operational)
GIW-05	10/06/14	6.1	56.7	0.2	37	81	-7.63	Y	Decreased vac to -4.08
GIW-05	10/07/14							N	(1" rod seal needs replaced)
GIW-05	10/08/14							N/A	(Cooling System installed)
GIW-05	10/09/14	0.3	60.9	0	38.8	60.8	-17.99	N/A	Decreased vac to -10.18 (Cooling System installed)
GIW-05	10/10/14							N/A	(Cooling System installed)
GIW-05	10/13/14	0.1	52.9	0.1	46.9	69.2	-4.26		
GIW-05	10/14/14								
GIW-05	10/15/14	0.6	58.1	2.6	38.7	58	-17.9		Decreased vac to -14
GIW-05	10/16/14	0.6	67.5	0.2	31.7	58	-17.7		Decreased vac to -16.5
GIW-05	10/17/14	0.5	65.4	0.4	33.7	63	-14.7		Decreased vac to -11.8
GIW-05	10/20/14	0.2	27	13.3	59.5	63	-5.3	N/A	Decreased vac to -4.5 (Cooling System Installed)
GIW-05	10/21/14	0.5	71.4	0	28.1	58	-2.1	N/A	Increased vac to -3.1 (Cooling System Installed)

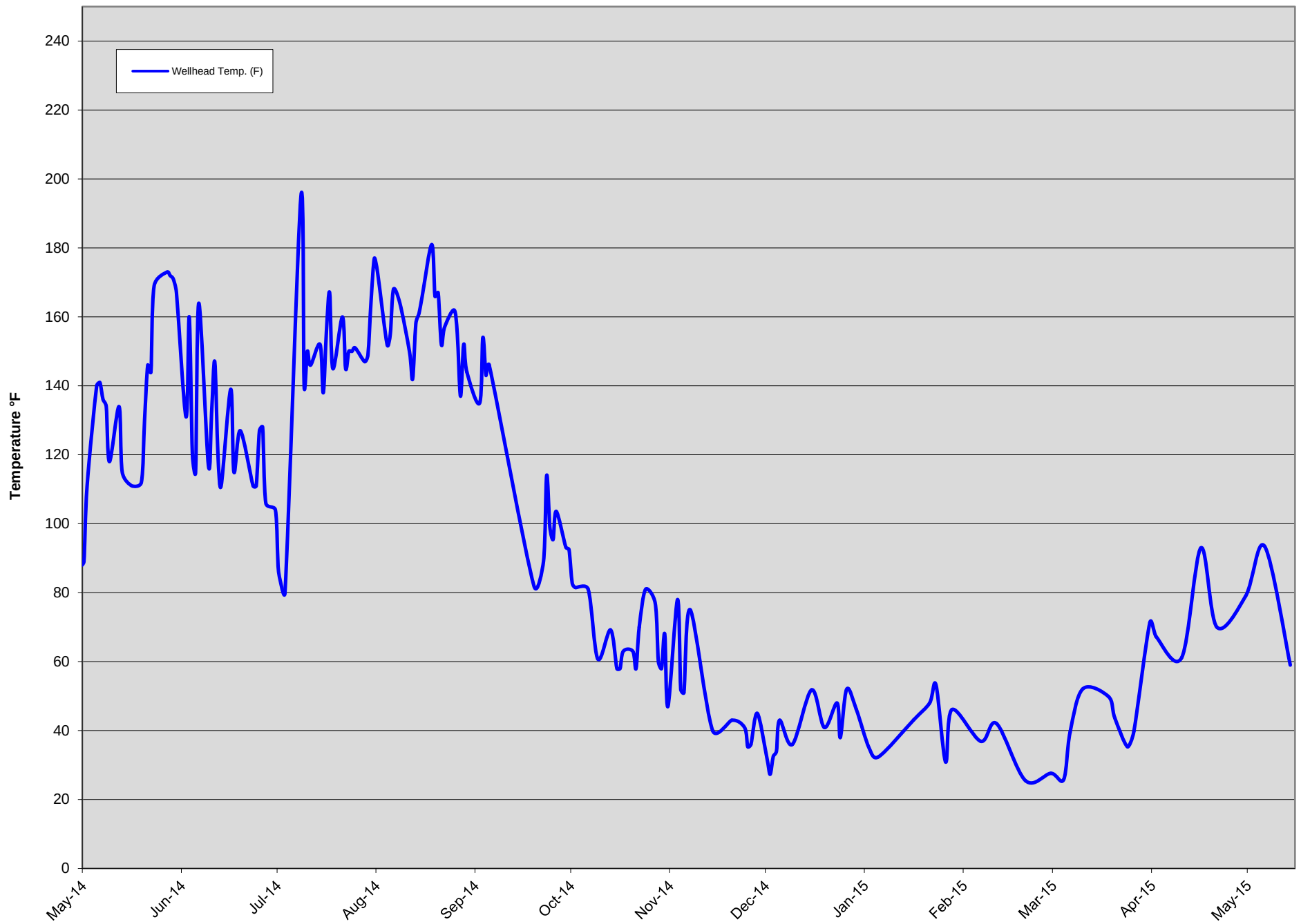
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	10/22/14	0.4	69.1	0.3	30.2	70	-12.7	N/A	Decreased vac to -6 (Cooling System Installed)
GIW-05	10/23/14							N/A	(Cooling System Installed)
GIW-05	10/24/14	0.4	49.3	6.7	43.6	81	-16.5	N/A	Decreased vac to -8.3 (Cooling System Installed)
GIW-05	10/27/14	0.5	66.6	0	32.9	77	-18.7	N/A	Decreased vac to -18.5 (Cooling System Installed)
GIW-05	10/28/14	0.5	62.6	1.4	35.5	60	-20.1	N/A	Decreased vac to -16.9 (Cooling System Installed)
GIW-05	10/29/14	0.6	67.9	0	31.5	58	-14.5	N/A	Decreased vac to -9.6 (Cooling System Installed)
GIW-05	10/30/14	0.7	68.6	0	30.7	68	1.4	N/A	Increased vac to -3 (Cooling System Installed)
GIW-05	10/31/14	0.4	53.1	5.2	41.3	47	-8.7	N/A	Decreased vac to -8.6 (Cooling System Installed)
GIW-05	11/03/14	0.5	65.8	1.6	32.1	78	-0.4	N/A	(Cooling System Installed)
GIW-05	11/04/14	0.6	61.2	3.9	34.3	52	-0.4	N/A	(Cooling System Installed)
GIW-05	11/05/14	0.7	66.5	0	32.8	51	0.1	N/A	Increased vac to -17 (Cooling System Installed)
GIW-05	11/06/14							N/A	(Cooling System Installed)
GIW-05	11/07/14	0.5	64.3	1.3	33.9	75	-17.1	N/A	Decreased vac to -16.7 (Cooling System Installed)
GIW-05	11/10/14							N/A	(Cooling System Installed)
GIW-05	11/11/14							N/A	(Cooling System Installed)
GIW-05	11/12/14							N/A	(Cooling System Installed)
GIW-05	11/13/14							N/A	(Cooling System Installed)
GIW-05	11/14/14	0.5	66.7	0.8	32	40	-11.9	N/A	Decreased vac to -11.5 (Cooling System Installed)
GIW-05	11/17/14							N/A	(Cooling System Installed)
GIW-05	11/18/14							N/A	(Cooling System Installed)
GIW-05	11/19/14							N/A	(Cooling System Installed)
GIW-05	11/20/14	0.7	60.4	0	38.9	43	-4.03	N/A	(Cooling System Installed)
GIW-05	11/21/14							N/A	(Cooling System Installed)
GIW-05	11/24/14	0.5	58.3	0.5	40.7	40.9	-16.48	N/A	Increased vac to -17.46 (Cooling System Installed)
GIW-05	11/25/14	1.2	56.7	0.1	42	35.3	-17.89	N/A	Decreased vac to -16.48 (Cooling System Installed)
GIW-05	11/26/14	0.5	72.5	0	27	36	3.8	N/A	Increased vac to -4.5 (Cooling System Installed)
GIW-05	11/27/14								
GIW-05	11/28/14	0.5	58	4.9	36.6	45	-7	N/A	Decreased vac to -1.5 (Cooling System Installed)
GIW-05	12/01/14	0.2	38.9	8.9	52	32.1	-4.03	N/A	Decreased vac to -2.71 (Cooling System Installed)
GIW-05	12/02/14	1.1	54.4	0.3	44.2	27.3	6.72	N/A	Increased vac to -4.31 (Cooling System Installed)
GIW-05	12/03/14	0.4	45.8	9.5	44.3	32.5	-7.33	N/A	Decreased vac to -4.11 (Cooling System Installed)
GIW-05	12/04/14	0.5	61.3	0	38.2	34	5.8	N/A	Increased vac to -11.48 (Cooling System Installed)
GIW-05	12/05/14	0.7	63.2	0.1	36	43	-17.4	N/A	Decreased vac to -15.51 (Cooling System Installed)
GIW-05	12/08/14							N/A	(Cooling System Installed)
GIW-05	12/09/14	0.6	62.7	0	36.7	36	0.24	N/A	Increased vac to -1.04 (Cooling System Installed)
GIW-05	12/10/14							N/A	(Cooling System Installed)
GIW-05	12/11/14							N/A	(Cooling System Installed)
GIW-05	12/12/14							N/A	(Cooling System Installed)
GIW-05	12/15/14	0.9	66.6	0	32.5	51.8	-11.42	N/A	Decreased vac to -4.43 (Cooling System Installed)
GIW-05	12/16/14							N/A	(Cooling System Installed)
GIW-05	12/17/14							N/A	(Cooling System Installed)
GIW-05	12/18/14							N/A	(Cooling System Installed)
GIW-05	12/19/14	0.6	43.7	0.1	55.6	40.9	-4.76	N/A	(Cooling System Installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	12/22/14							N/A	(Cooling System Installed)
GIW-05	12/23/14	0.5	73.4	0	26.1	48	-7.5	N/A	Decreased vac to -4.9 (Cooling System Installed)
GIW-05	12/24/14	0.8	75.7	0.1	23.4	38	7.6		Increased vac to -3
GIW-05	12/25/14								
GIW-05	12/26/14	0.7	72.1	0	27.2	52	-3.1	N/A	(Cooling System Installed)
GIW-05	12/29/14	0	37.9	0.7	61.4	46.2	-12.15	N/A	Decreased vac to -11.29(Cooling System Installed)
GIW-05	12/30/14							N/A	(Cooling System Installed)
GIW-05	12/31/14							N/A	(Cooling System Installed)
GIW-05	01/01/15							N/A	(Cooling System Installed)
GIW-05	01/02/15	1.4	57.4	0	41.2	35	-9.77	N/A	Decreased vac to -8.79(Cooling System Installed)
GIW-05	01/05/15	0.6	59.5	0	39.9	32.4	2.41		Increased vac to -23.93
GIW-05	01/06/15								
GIW-05	01/07/15								
GIW-05	01/08/15								
GIW-05	01/09/15								
GIW-05	01/12/15							N/A	(Cooling System Installed)
GIW-05	01/13/15							N/A	(Cooling System Installed)
GIW-05	01/14/15							N/A	(Cooling System Installed)
GIW-05	01/15/15							N/A	(Cooling System Installed)
GIW-05	01/16/15	0.3	51.3	0.3	48.1	43.1	-19.96	N/A	Decreased vac to -19.9 (Cooling System Installed)
GIW-05	01/19/15							N/A	(Cooling System Installed)
GIW-05	01/20/15							N/A	(Cooling System Installed)
GIW-05	01/21/15	0.6	63	0	36.4	48	1.82	N/A	Increased vac to -15.63(Cooling System Installed)
GIW-05	01/22/15							N/A	(Cooling System Installed)
GIW-05	01/23/15	0.8	57.3	0.1	41.8	53.2	-18.99	N/A	Decreased vac to -14.59 (Cooling System Installed)
GIW-05	01/26/15	1.4	85.9	0	12.7	30.9	16.12	N/A	(Cooling System Installed)
GIW-05	01/27/15							N/A	Increased vac to -21.98 (Cooling System Installed)
GIW-05	01/28/15	0.7	60.9	0.3	38.1	46.1	-20.82	N/A	(Cooling System Installed)
GIW-05	01/29/15							N/A	Decreased vac to -20.33 (Cooling System Installed)
GIW-05	01/30/15							N/A	(Cooling System Installed)
GIW-05	02/02/15							N/A	(Cooling System Installed)
GIW-05	02/03/15							N/A	(Cooling System Installed)
GIW-05	02/04/15							N/A	(Cooling System Installed)
GIW-05	02/05/15							N/A	(Cooling System Installed)
GIW-05	02/06/15	0.6	55.5	0.1	43.8	36.9	-14.22	N/A	Decreased vac to -12.39 (Cooling System Installed)
GIW-05	02/09/15							N/A	(Cooling System Installed)
GIW-05	02/10/15							N/A	(Cooling System Installed)
GIW-05	02/11/15	0.9	56.1	0.3	42.7	42	-17.7	N/A	Increased vac to -18.19 (Cooling System Installed)
GIW-05	02/12/15							N/A	(Cooling System Installed)
GIW-05	02/13/15							N/A	(Cooling System Installed)
GIW-05	02/16/15							N/A	(Cooling System Installed)
GIW-05	02/17/15							N/A	(Cooling System Installed)
GIW-05	02/18/15							N/A	(Cooling System Installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	02/19/15							N/A	(Cooling System Installed)
GIW-05	02/20/15	1.4	43.3	10.6	44.7	25.5	-23.63	N/A	Decreased vac to -22.71 (Cooling System Installed)
GIW-05	02/23/15							N/A	(Cooling System Installed)
GIW-05	02/24/15							N/A	(Cooling System Installed)
GIW-05	02/25/15							N/A	(Cooling System Installed)
GIW-05	02/26/15							N/A	(Cooling System Installed)
GIW-05	02/27/15							N/A	(Cooling System Installed)
GIW-05	02/28/15	0.7	49.3	1.4	48.6	27.6	-8.54	N/A	Decreased vac to -7.44 (Cooling System Installed)
GIW-05	03/01/15							N/A	
GIW-05	03/02/15							N/A	
GIW-05	03/03/15							N/A	
GIW-05	03/04/15	0.8	61.4	0	37.8	25.8	2.58	N/A	Increased vac to -6.29
GIW-05	03/05/15							N/A	
GIW-05	03/06/15	0.7	63.2	0	36.1	39.5	-3.99	N/A	
GIW-05	03/07/15							N/A	
GIW-05	03/08/15							N/A	
GIW-05	03/09/15							N/A	
GIW-05	03/10/15	0.6	62.6	0	36.8	52.1	2.97	N/A	Increased vac to -8.79
GIW-05	03/11/15							N/A	
GIW-05	03/12/15							N/A	
GIW-05	03/13/15							N/A	
GIW-05	03/14/15							N/A	
GIW-05	03/15/15							N/A	
GIW-05	03/16/15							N/A	
GIW-05	03/17/15							N/A	
GIW-05	03/18/15	0.9	63.7	0	35.4	49.9	1.73	N/A	Increased vac to -11.9
GIW-05	03/19/15							N/A	
GIW-05	03/20/15	0.9	54.6	0.5	44	43.7	-21.55	N/A	Decreased vac to -18.19
GIW-05	03/21/15							N/A	
GIW-05	03/22/15							N/A	
GIW-05	03/23/15							N/A	
GIW-05	03/24/15	0.8	50.7	0.3	48.2	35.3	-17.09	N/A	Decreased vac to -11.72
GIW-05	03/25/15							N/A	
GIW-05	03/26/15	0.9	55.8	0.8	42.5	39.8	-22.47	N/A	Decreased vac to -20.94
GIW-05	03/27/15							N/A	
GIW-05	03/28/15							N/A	
GIW-05	03/29/15							N/A	
GIW-05	03/30/15							N/A	
GIW-05	03/31/15	0.3	58.9	0	40.8	71.3	7.63	N/A	Increased vac to -0.69
GIW-05	04/01/15							N/A	
GIW-05	04/02/15	0.5	63.7	0	35.8	67.2	10.26	N/A	Increased vac to 8.06
GIW-05	04/03/15							N/A	
GIW-05	04/04/15							N/A	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-05	04/05/15							N/A	
GIW-05	04/06/15							N/A	
GIW-05	04/07/15							N/A	
GIW-05	04/08/15							N/A	
GIW-05	04/09/15							N/A	
GIW-05	04/10/15	1	57.9	0.2	40.9	61.2	-19.88	N/A	Decreased vac to -19.84
GIW-05	04/11/15							N/A	
GIW-05	04/12/15							N/A	
GIW-05	04/13/15							N/A	
GIW-05	04/14/15							N/A	
GIW-05	04/15/15							N/A	
GIW-05	04/16/15	0.7	69.3	0	30	93	4.2	N/A	Increased vac to -3
GIW-05	04/17/15							N/A	
GIW-05	04/18/15							N/A	
GIW-05	04/19/15							N/A	
GIW-05	04/20/15							N/A	
GIW-05	04/21/15	0.3	24.6	15.6	59.5	70	-16.06	N/A	Decreased vac to -16
GIW-05	04/22/15							N/A	
GIW-05	04/23/15							N/A	
GIW-05	04/24/15							N/A	
GIW-05	04/25/15							N/A	
GIW-05	04/26/15							N/A	
GIW-05	04/27/15							N/A	
GIW-05	04/28/15							N/A	
GIW-05	04/29/15							N/A	
GIW-05	04/30/15	2.8	59.8	0	37.4	79	7.2	N/A	Increased vac to -4.74
GIW-05	05/01/15							N/A	
GIW-05	05/02/15							N/A	
GIW-05	05/03/15							N/A	
GIW-05	05/04/15							N/A	
GIW-05	05/05/15							N/A	
GIW-05	05/06/15	2.5	59.2	0	38.3	93.4	-5.3	N/A	Closed valve slightly
GIW-05	05/07/15							N/A	
GIW-05	05/08/15							N/A	
GIW-05	05/09/15							N/A	
GIW-05	05/10/15							N/A	
GIW-05	05/11/15							N/A	
GIW-05	05/12/15							N/A	
GIW-05	05/13/15							N/A	
GIW-05	05/14/15	2.5	65.8	0.1	31.6	59	-8.2	N/A	Decreased vac to -6.3
GIW-05	05/15/15							N/A	

GIW-5 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	01/01/14	0.2	77.3	0	22.5	182	-1.4	NA	Increased vac to -2.9 inches
GIW-06	01/03/14	0.2	78.4	0	21.4	149	-9.3	Y	Decreased vac to -8.5 inches
GIW-06	01/13/14	0.2	81	0	18.8	178	2.5	Y	Increased vac to -3.5 inches
GIW-06	01/15/14	0.1	67.1	3.8	29	151	-9.1	Y	Decreased vac to -3.6 inches (pump eval on 16th)
GIW-06	01/17/14	0.2	80.5	0	19.3	170	1.4	Y	Increased vac to -1.4 inches
GIW-06	01/20/14	0.1	82.1	0	17.8	178	1.3	Y	Increased vac to -1.5 inches
GIW-06	01/22/14	0.2	80.6	0	19.2	141	-12.7	Y	Decreased vac to -4.9 inches
GIW-06	01/24/14	0.1	77.3	0	22.6	130	-4.2	Y	
GIW-06	01/27/14	0.3	77.9	0	21.8	142	-3.4	Y	Increased vac to -4.5 inches
GIW-06	01/29/14	0.1	78.2	0	21.7	174	-4.7	Y	
GIW-06	02/03/14	0	80	0	20	156	-9.4	Y	Decreased vac to -6.2 inches
GIW-06	02/05/14	0.3	80	0.2	19.5	113	-17.2	N	Decreased vac to -4.6 inches (new footvalve installed)
GIW-06	02/07/14	0.4	79.6	0.1	19.9	178	0.4	N	Increased vac to -4.3 inches (need footvalve)
GIW-06	02/10/14	0.3	79.7	0.1	19.9	159	-15.1	N	Decreased vac to -4.3 inches (Need to replace fiberglass rod)
GIW-06	02/12/14								
GIW-06	02/14/14								
GIW-06	02/17/14	0.4	80.2	0	19.4	100	-1.2	N	Increased vac to -2.4 inches (footvalve needs replaced)
GIW-06	02/19/14	0.4	78.8	0	20.8	190	-10	N	Decreased vac to -9.4 inches (footvalve needs replaced)
GIW-06	02/21/14	0.4	78	0	21.6	141	-16.2	N	Decreased vac to -14.7 inches (footvalve needs replaced)
GIW-06	02/24/14	0.5	79.3	0	20.2	156	-13.4	N	Decreased vac to -12.3 inches (new footvalve needed)
GIW-06	02/26/14	0.4	77.6	0	22	115	-17.8	N	Decreased vac to -16.9 inches (new footvalve needed)
GIW-06	02/28/14	0.5	79.7	0	19.8	142	-8.7	N	Decreased vac to -7.1 inches (new footvalve needed)
GIW-06	03/03/14	0.5	83.7	0	15.8	138	37.4	N	Increased vac to -0.5 inches (need 103 changed to 101)
GIW-06	03/05/14	0.4	82.6	0	17	143	-10.8	N	Increased vac to -8.7 inches (103 to 101 footvalve trans.)
GIW-06	03/07/14	0.4	82.9	0	16.7	172	7.2	N	Increased vac to -0.5 inches (replaced 1" rod seal)
GIW-06	03/10/14	0.4	80.8	0	18.8	158	-10.6	N	Decreased vac to -7.0 inches (footvalve needs replaced)
GIW-06	03/12/14	0.5	80.2	0	19.3	125	-4.7	N	(footvalve needs replaced)
GIW-06	03/14/14	0.3	80.9	0	18.8	145	1.3	N	Increased vac to -0.9 inches (footvalve needs replaced)
GIW-06	03/17/14	0.5	82.1	0	17.4	172	18.9	N	Increased vac to -1.5 inches (replaced footvalve)
GIW-06	03/19/14	0.5	83.9	0	15.6	111	-14	N	decreased vac to -11.9 inches (replaced footvalve)
GIW-06	03/20/14	0.5	79.4	0	20.1	159	-7.7	N	reduced vac to -6.8 inches (replaced footvalve)
GIW-06	03/24/14	0.4	79.4	0	20.2	176	-1.9	N	replaced footvalve
GIW-06	03/26/14	0.5	82.2	0	17.3	142	-11.2	N	reduced vac to -9.5 inches (replaced footvalve)
GIW-06	03/28/14	0.6	80.2	0	19.2	168	-0.5	N	increased vac to -1.7 inches (footvalve needs replaced)
GIW-06	03/31/14	0.5	80.7	0	18.8	153	-10.7	N	decreased vac to -10.2 inches (footvalve needs replaced)
GIW-06	04/02/14	0.5	81	0	18.5	155	31	N	increased vac to -0.2 inches (footvalve needs replaced)
GIW-06	04/03/14	0.6	79.9	0.2	19.3	180	-6.4	N	decreased vac to -5.8 inches (footvalve needs replaced)
GIW-06	04/05/14	0.7	80.5	0	18.8	176	9.9	na	increased vac to -0.7 inches
GIW-06	04/07/14	0.5	77.8	0.3	21.4	164	-10.4	N	decreased vac to -8.2 inches (footvalve needs replaced)
GIW-06	04/08/14	0.5	78.1	0	21.4	155	-7.4	N	decreased vac to -6.4 inches (footvalve replaced)
GIW-06	04/09/14	0.6	79	0	20.4	170	1.2	N	increased vac to -1.8 inches (footvalve needs replaced)
GIW-06	04/10/14	0.5	76.7	0	22.8	164	-4.3	na	
GIW-06	04/11/14	0.4	78.5	0	21.1	178	-5.2	na	
GIW-06	04/14/14	0.6	78	0.4	21	123	-19.2	N	decreased vac to -17.6 inches (changed valve)
GIW-06	04/15/14	0.7	76.7	0.3	22.3	145	-14.5	N	decreased vac to -13.0 inches (needs rebuild of pump)
GIW-06	04/16/14	0.7	78.8	0	20.5	131	-4.3	N	(needs rebuilt pump)
GIW-06	04/17/14	0.5	79.2	0	20.3	170	12.7	N	decreased vac to -0.1 inches (needs rebuilt pump)
GIW-06	04/18/14	0.4	78.3	0	21.3	179	-8.9	na	decreased vac to -7.1 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	04/21/14	0.4	78	0	21.6	160	-4.2	Y	
GIW-06	04/22/14	0.5	78.8	0	20.7	150	-5.2	Y	
GIW-06	04/23/14	0.5	79.2	0	20.3	144	-6.1	Y	decreased vac to -5.4 inches
GIW-06	04/24/14	0.6	78.5	0	20.9	161	-0.1	Y	increased vac to -0.6 inches
GIW-06	04/25/14	0.5	79.1	0	20.4	171	0.5	Y	increased vac to -0.5 inches
GIW-06	04/28/14	0.6	79.6	0	19.8	132	-11.9	Y	decreased vac to -9.9 inches
GIW-06	04/29/14	0.5	78.9	0	20.6	131	-1	N	increased vac to -1.4 inches (adjusted 4 way valve)
GIW-06	04/30/14	0.6	78.4	0	21	121	-14.7	Y	decreased vac to -12.0 inches
GIW-06	05/01/14	0.6	80.3	0	19.1	124	-9.4	na	decreased vac to -6.9 inches
GIW-06	05/02/14	0.6	79.7	0	19.7	134	-5	Y	
GIW-06	05/05/14	1	79.7	0	19.3	165	17	N	increased vac to -0.9 inches (replaced cylinder cap)
GIW-06	05/06/14	0.5	77	0	22.5	165	-9.7	Y	decreased vac to -8.5 inches
GIW-06	05/07/14	0.7	74.1	0	25.2	170	-1.6	Y	increased vac to -1.7 inches
GIW-06	05/08/14	0.5	78.2	0	21.3	161	-6.6	Y	
GIW-06	05/09/14	0.5	78.6	0	20.9	150	8.7	Y	increased vac to -1.2 inches
GIW-06	05/12/14	0.5	79	0	20.5	153	-1.6	Y	decreased vac to -1.5 inches
GIW-06	05/13/14	0.6	77.7	0	21.7	121	-11.1	Y	decreased vac to -6.6 inches
GIW-06	05/16/14	0.6	77.6	0	21.8	114	-4.4	N	pump needs pulled for troubleshooting (evaluated on the 15th)
GIW-06	05/19/14	0.5	78.5	0	21	120	-6.7	N	Decreased vac to -5.8 inches (pump needs evaluation)
GIW-06	05/20/14	0.5	77.9	0	21.6	147	0.2	na	Increased vac to -1.1 inches
GIW-06	05/21/14	0.5	75.9	0	23.6	146	-10.6	N	Decreased vac to -9.3 inches (bad footvalve)
GIW-06	05/22/14	0.5	77.5	0	22	158	-10.7	N	Decreased vac to -9.6 inches (bad footvalve)
GIW-06	05/23/14	0.6	79.6	0.2	19.6	155	-11	na	Decreased vac to -5 inches
GIW-06	05/27/14	0.5	78.4	0	21.1	159	1	na	Increased vac to -1.7 inches
GIW-06	05/28/14	0.5	76.8	0	22.7	160	-0.9	Y	Increased vac to -2.7 inches (bad footvalve)
GIW-06	05/29/14	0.5	76.5	0	23	155	-4	Y	(bad footvalve)
GIW-06	05/30/14	0.5	76.6	0	22.9	154	-4.1	na	
GIW-06	06/02/14	0.6	76.5	0	22.9	121	-11.6	Y	Decreased vac to -8.6 inches (bad footvalve)
GIW-06	06/03/14	0.5	76.2	0	23.3	144	3.1	Y	Increased vac to -1.1 inches (bad footvalve)
GIW-06	06/04/14	0.5	77	0	22.5	118	-14.9	Y	Decreased vac to -14.4 inches (bad footvalve)
GIW-06	06/05/14	0.4	76.2	0	23.4	111	-13.4	Y	Decreased vac to -13 inches (bad footvalve)
GIW-06	06/06/14	0.5	75.5	0	24	152	-12	Y	Increased vac to -12.3 inches (footvalve needs replaced)
GIW-06	06/09/14	0.5	77.3	0	22.2	136	-13.4	Y	Decreased vac to -12.7 inches (footvalve needs replaced)
GIW-06	06/10/14	0.4	76.1	0	23.5	133	-14	na	Decreased vac to -13.8 inches
GIW-06	06/11/14	0.5	74.6	0	24.9	119	-11.3	Y	Decreased vac to -10.4 inches (footvalve needs replaced)
GIW-06	06/12/14	0.6	74.9	0	24.5	144	-8.7	Y	Decreased vac to -8.1 inches (footvalve needs replaced)
GIW-06	06/13/14	0.5	74.1	0	25.4	136	-7.6	Y	Increased vac to -7.7 inches
GIW-06	06/16/14	0.6	74.9	0	24.5	152	-7.6	Y	Decreased vac to -5.1 (footvalve needs replaced)
GIW-06	06/17/14	0.5	75.1	0	24.4	131	0.3	Y	Increased vac to -3.1
GIW-06	06/19/14	0.5	76	0	23.5	140	-4.3	Y	(replaced footvalve, pump moving liquid)
GIW-06	06/23/14	0.6	75.7	0	23.7	144	30.1	Y	Increased vac to -1.8
GIW-06	06/24/14	0.6	74.9	0	24.5	152	-8.9	Y	Decreased vac to -8.6
GIW-06	06/25/14	0.6	74.3	0	25.1	160	2.6	Y	Increased vac to -1.9
GIW-06	06/27/14	0.6	76.3	0	23.1	139	-3.9	Y	
GIW-06	06/30/14	0.7	74.4	0	24.9	134	-2.7	NA	Increased vac to -4.1
GIW-06	07/01/14	0.6	73.9	0	25.5	104	-7	NA	Decreased vac to -6.2
GIW-06	07/03/14	0.7	74.7	0	24.6	174	-4.2	NA	
GIW-06	07/07/14	0.6	75.3	0	24.1	144	-5	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	07/08/14	0.6	72.3	0	27.1	136	-4.2	Y	
GIW-06	07/09/14	0.5	70.6	0.6	28.3	143	-4.6	Y	
GIW-06	07/10/14	0.6	68.8	1.9	28.7	153	-6.6	Y	Decreased vac to -4 (refilled memo and 4-way oil)
GIW-06	07/11/14	0.7	75	0	24.3	141	-0.8	Y	Increased vac to -3.9
GIW-06	07/14/14	0.6	73.9	0	25.5	154	-4.9	Y	
GIW-06	07/15/14	0.7	73.9	0	25.4	134	-9	Y	Decreased vac to -7.4
GIW-06	07/16/14	0.5	65	3.2	31.3	151	-5.4	Y	Decreased vac to -4.1
GIW-06	07/17/14	0.6	70.1	1.3	28	147	-7.1	Y	Decreased vac to -4.4
GIW-06	07/18/14	0.6	74.9	0.1	24.4	145	-4.8	Y	
GIW-06	07/21/14	0.4	67	1.5	31.1	160	-4.1	Y	
GIW-06	07/22/14	0.8	73.5	0	25.7	142	-4.7	Y	
GIW-06	07/23/14	0.6	75.8	0	23.6	151	-4.8	Y	
GIW-06	07/24/14	0.6	74.1	0	25.3	142	-4.7	Y	
GIW-06	07/25/14	0.7	74.5	0	24.8	142	-4.4	Y	
GIW-06	07/28/14	0.6	75.8	0	23.6	134	-4.9	Y	
GIW-06	07/29/14	0.6	76	0	23.4	143	-4.6	Y	
GIW-06	07/30/14	0.6	75.6	0	23.8	157	-1.1	Y	Increased vac to -2
GIW-06	07/31/14	0.8	74.6	0	24.6	157	-4.8	Y	
GIW-06	08/01/14	0.6	73.7	0.1	25.6	160	-4.9	Y	
GIW-06	08/04/14	0.7	73.1	0	26.2	140	-4.5	Y	
GIW-06	08/05/14	0.6	69.8	1.2	28.4	130	-7.5	Y	Decreased vac to -4.8
GIW-06	08/06/14	0.6	72.5	0.5	26.4	144	-4.7	Y	
GIW-06	08/07/14							Y	
GIW-06	08/08/14	0.6	73.5	0.2	25.7	144	-4.7	Y	
GIW-06	08/11/14	0.6	70.8	0	28.6	130	-4	Y	
GIW-06	08/12/14	0.7	75	0	24.3	125	-3.9	Y	
GIW-06	08/13/14	0.7	73.9	0	25.4	150	-4.4	Y	
GIW-06	08/14/14	0.6	75.3	0	24.1	155	-4.1	Y	
GIW-06	08/15/14	0.6	74.8	0	24.6	154	5.6	Y	
GIW-06	08/18/14	1.1	72.5	0	26.4	167	12.7	Y	
GIW-06	08/19/14	0.5	70.5	0	29	150	14.3	Y	
GIW-06	08/20/14	0.6	73.6	0	25.8	153	14.6	Y	Reduced vac to -11.7
GIW-06	08/21/14	1.1	72.6	0	26.3	147	-12.2	Y	Reduced vac to -10.4
GIW-06	08/22/14	0.6	73.3	0	26.1	154	-9.1	Y	Decreased vac to -5.1
GIW-06	08/25/14	0.7	73.6	0	25.7	155	-4.8	Y	
GIW-06	08/26/14	0.6	72.4	0	27	156	-5	Y	
GIW-06	08/27/14	0.7	72.1	0	27.2	146	-9.3	Y	Decreased vac to -6.7
GIW-06	08/28/14	0.6	69.7	0	29.7	154	-5	Y	
GIW-06	08/29/14	0.7	73.7	0	25.6	147	-4	Y	
GIW-06	09/01/14							Y	
GIW-06	09/02/14	0.6	71.2	0	28.2	140	-4.9	Y	
GIW-06	09/03/14	1	72.6	0	26.4	165	-4.2	Y	
GIW-06	09/04/14	0.7	70.5	0	28.8	156	-4	Y	
GIW-06	09/05/14	0.8	72.9	0	26.3	156	-4.1	Y	
GIW-06	09/08/14							NA	(Not Available due to safe access conditions)
GIW-06	09/09/14							NA	(Not Available due to safe access conditions)
GIW-06	09/10/14							NA	(Not Available due to safe access conditions)
GIW-06	09/11/14							NA	(Not Available due to safe access conditions)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	09/12/14							NA	(Not Available due to safe access conditions)
GIW-06	09/15/14							Y	
GIW-06	09/16/14							Y	
GIW-06	09/17/14							Y	(broken fiberglass rod)
GIW-06	09/18/14							Y	(broken fiberglass rod)
GIW-06	09/19/14	0.7	73.4	0	25.9	140	-8.2	Y	Decreased vac to -6 (broken fiberglass rod)
GIW-06	09/22/14	1.3	73.2	0	25.5	149	13.2	Y	Increased vac to -5.5
GIW-06	09/23/14	0.8	69.5	0	29.7	133	-4.9	Y	(replaced 1" rod seal - pump operational)
GIW-06	09/24/14	1	77.6	0.3	21.1	133.7	-7.45	Y	Increased vac to -7.88
GIW-06	09/25/14	3.5	56.8	0.4	39.3	136.3	-12.82	Y	Decreased vac to -11.78
GIW-06	09/26/14	0.5	57.5	0.6	41.4	140.4	-10.99	Y	decreased vac to -7.88 (replaced 1/4" & 3" air nipple)
GIW-06	09/29/14	1.7	63.9	0.5	33.9	148.5	-13.13	N	Decreased vac to -6.78 (replaced 1/4"x3" four way value air nipple - pump operational)
GIW-06	09/30/14	0.8	66.3	0.7	32.2	156.1	-13.68	Y	Decreased vac to -8.85
GIW-06	10/01/14	1.3	69.7	0.1	28.9	122.3	-4.54	Y	
GIW-06	10/02/14	3.3	66.2	0	30.5	108.3	-4.25	N	(Replaced 1/4"x3" air nipple - pump operational)
GIW-06	10/03/14							Y	
GIW-06	10/06/14	6.5	59.9	0.1	33.5	120.2	-1.52	Y	Increased vac to -3.37
GIW-06	10/07/14							Y	
GIW-06	10/08/14							N/A	(Cooling System installed)
GIW-06	10/09/14							N/A	(Cooling System installed)
GIW-06	10/10/14							N/A	(Cooling System installed)
GIW-06	10/13/14	0	56.8	0	43.2	74.9	-4.48	N/A	(Cooling System installed)
GIW-06	10/14/14							N/A	(Cooling System installed)
GIW-06	10/15/14	0.6	51.4	6.3	41.7	57	-5.7	N/A	Decreased vac to -3.2 (Cooling System installed)
GIW-06	10/16/14	0.9	72.9	0	26.2	62	4.9	N/A	Increased vac to -0.5 (Cooling System installed)
GIW-06	10/17/14	0.6	61.4	3.2	34.8	64	-11.8	N/A	Decreased vac to -4 (Cooling System installed)
GIW-06	10/20/14	0.8	70.7	0.7	27.8	65	-5	N/A	(Cooling System Installed)
GIW-06	10/21/14	0.8	69	0	30.2	64	-7.4	N/A	Decreased vac to -7 (Cooling System Installed)
GIW-06	10/22/14	1.2	71.5	0	27.3	74	-17.2	N/A	Decreased vac to -14.8 (Cooling System Installed)
GIW-06	10/23/14	0.7	71.8	0.1	27.4	60	-16.3	N/A	Decreased vac to -15.3 (Cooling System Installed)
GIW-06	10/24/14	1.2	76	0	22.8	82	-1.5	N/A	(Cooling System Installed)
GIW-06	10/27/14	0.7	70.4	0.3	28.6	81	-13.1	N/A	Decreased vac to -12 (Cooling System Installed)
GIW-06	10/28/14	1.5	66	1.3	31.2	60	-13.4	N/A	Decreased vac to -11.4 (Cooling System Installed)
GIW-06	10/29/14	0.9	71.8	0	27.3	58	-6.9	N/A	Decreased vac to -5.2 (Cooling System Installed)
GIW-06	10/30/14	1.3	70.7	0.2	27.8	66	-4.4	N/A	(Cooling System Installed)
GIW-06	10/31/14	1.2	71.3	0.2	27.3	46	-4.7	N/A	(Cooling System Installed)
GIW-06	11/03/14	0.9	75.7	0.2	23.2	69	-2.9	N/A	(Cooling System Installed)
GIW-06	11/04/14	0.7	78.1	0	21.2	52	-2.9	N/A	(Cooling System Installed)
GIW-06	11/05/14	0.8	72.3	0	26.9	51	-4.2	N/A	(Cooling System Installed)
GIW-06	11/06/14							N/A	(Cooling System Installed)
GIW-06	11/07/14	1.2	70	0	28.8	62	-4.6	N/A	(Cooling System Installed)
GIW-06	11/10/14							N/A	(Cooling System Installed)
GIW-06	11/11/14							N/A	(Cooling System Installed)
GIW-06	11/12/14	0.8	72.2	0	27	47	-4	N/A	Increased vac to -4.4 (Cooling System Installed)
GIW-06	11/13/14							N/A	(Cooling System Installed)
GIW-06	11/14/14	0.8	72.9	0	26.3	43	-4.8	N/A	(Cooling System Installed)
GIW-06	11/17/14							N/A	(Cooling System Installed)
GIW-06	11/18/14							N/A	(Cooling System Installed)

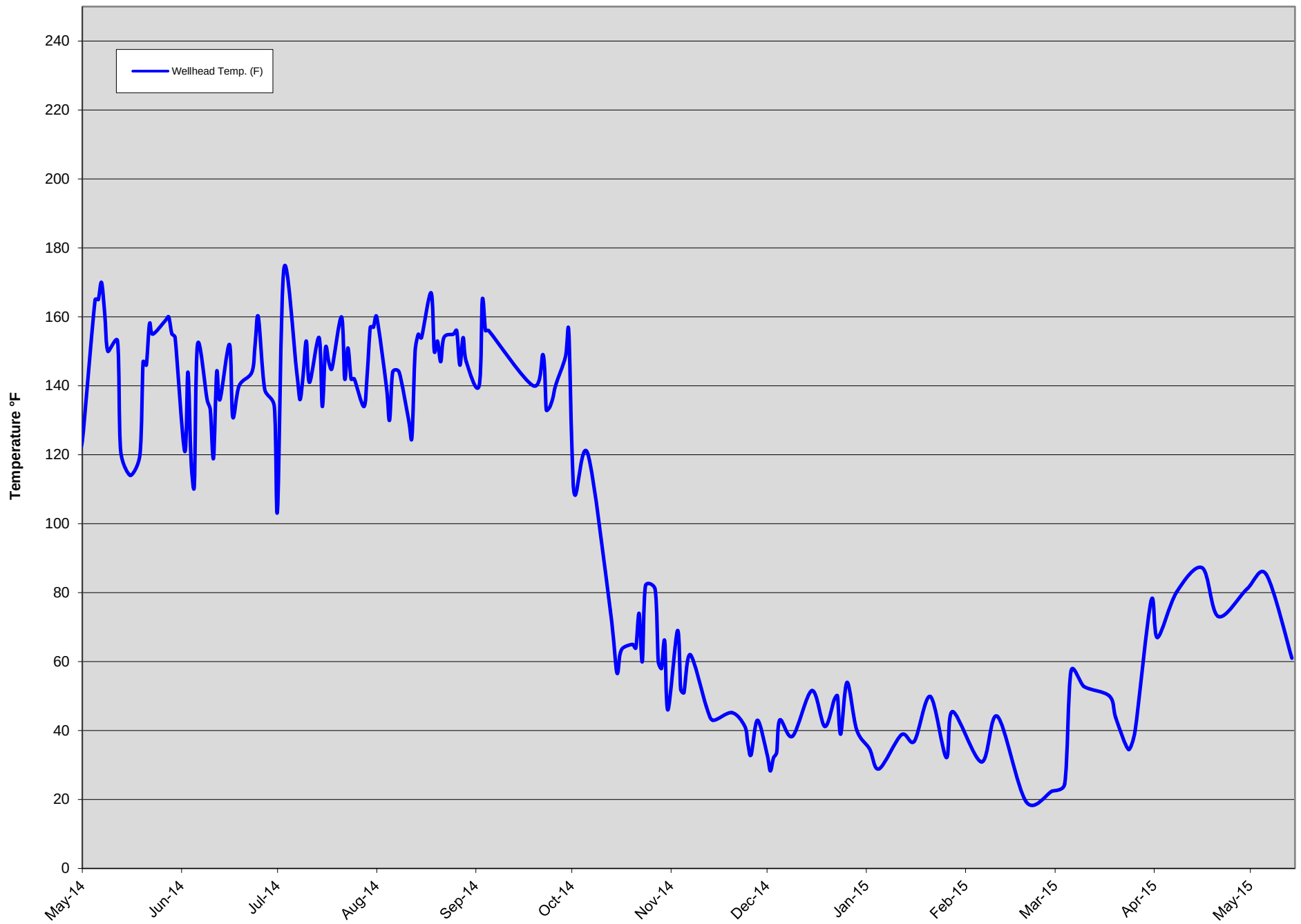
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	11/19/14							N/A	(Cooling System Installed)
GIW-06	11/20/14	0	48.9	0.1	51	45.2	-12.94	N/A	Decreased vac to -8.61 (Cooling System Installed)
GIW-06	11/21/14							N/A	(Cooling System Installed)
GIW-06	11/24/14	2.9	58.1	0	39	41.3	8	N/A	Increased vac to -10.13 (Cooling System Installed)
GIW-06	11/25/14	0.3	65.2	0	34.5	36.2	-17.4	N/A	Decreased vac to -11.54 (Cooling System Installed)
GIW-06	11/26/14	0.8	75.4	0	23.8	33	-7.8	N/A	Decreased vac to -6.5 (Cooling System Installed)
GIW-06	11/27/14								
GIW-06	11/28/14	0.9	76.2	0	22.9	43	-5.4	N/A	(Cooling System Installed)
GIW-06	12/01/14	1.1	61.7	0.3	36.9	33.1	-8.79	N/A	Decreased vac to -6.65 (Cooling System Installed)
GIW-06	12/02/14	0.6	45.7	0	53.7	28.3	-8.91	N/A	Decreased vac to -5.07 (Cooling System Installed)
GIW-06	12/03/14	0.3	51.9	0.1	47.7	32.1	-17.64	N/A	Decreased vac to -13.74 (Cooling System Installed)
GIW-06	12/04/14	4.5	57.1	0	38.4	33.7	-11.66	N/A	Decreased vac to -7.94 (Cooling System Installed)
GIW-06	12/05/14	0.3	57.5	0	42.2	43.1	-4.68	N/A	(Cooling System Installed)
GIW-06	12/08/14							N/A	(Cooling System Installed)
GIW-06	12/09/14	0.8	63.6	0	35.6	38.4	-4.68	N/A	Decreased vac to -4.22 (Cooling System Installed)
GIW-06	12/10/14							N/A	(Cooling System Installed)
GIW-06	12/11/14							N/A	(Cooling System Installed)
GIW-06	12/12/14							N/A	(Cooling System Installed)
GIW-06	12/15/14	2	61.1	0	36.9	51.6	-13.43	N/A	Decreased vac to -7.33 (Cooling System Installed)
GIW-06	12/16/14							N/A	(Cooling System Installed)
GIW-06	12/17/14							N/A	(Cooling System Installed)
GIW-06	12/18/14							N/A	(Cooling System Installed)
GIW-06	12/19/14	2.2	61.6	0	36.2	41.2	-10.87	N/A	Decreased vac to -8.79 (Cooling System Installed)
GIW-06	12/22/14	1.4	76.1	0	22.5	49	-11.1	N/A	Decreased vac to -3.2 (Cooling System Installed)
GIW-06	12/23/14	0.8	74.2	0.1	24.9	50	-10.5	N/A	Decreased vac to -4.2 (Cooling System Installed)
GIW-06	12/24/14	1	77.4	0.1	21.5	39	-5.6		
GIW-06	12/25/14								
GIW-06	12/26/14	0.8	75.9	0	23.3	54	14	N/A	Increased vac to -8.6 (Cooling System Installed)
GIW-06	12/29/14	1.2	60.7	0.2	37.9	40.2	-4.67	N/A	(Cooling System installed)
GIW-06	12/30/14							N/A	(Cooling System installed)
GIW-06	12/31/14							N/A	(Cooling System installed)
GIW-06	01/01/15							N/A	(Cooling System installed)
GIW-06	01/02/15	0.6	60.9	0	38.5	34.7	-21.12	N/A	Decreased vac to -19.23 (Cooling System installed)
GIW-06	01/05/15	0.6	60.7	0.1	38.6	28.9	-24.85		Decreased vac to -21.67
GIW-06	01/06/15								
GIW-06	01/07/15								
GIW-06	01/08/15								
GIW-06	01/09/15								
GIW-06	01/12/15	0.5	53	0	46.5	38.8	2.42	N/A	Increased vac to -16.3 (Cooling System Installed)
GIW-06	01/13/15							N/A	(Cooling System Installed)
GIW-06	01/14/15							N/A	(Cooling System Installed)
GIW-06	01/15/15							N/A	(Cooling System Installed)
GIW-06	01/16/15	0.7	65.3	0	34	36.9	-17.52	N/A	Decreased vac to -16.97 (Cooling System Installed)
GIW-06	01/19/15							N/A	(Cooling System Installed)
GIW-06	01/20/15							N/A	(Cooling System Installed)
GIW-06	01/21/15	1.1	65.7	0	33.2	49.9	-0.8	N/A	Increased vac to -2.96 (Cooling System Installed)
GIW-06	01/22/15							N/A	(Cooling System Installed)
GIW-06	01/23/15							N/A	(Cooling System Installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	01/26/15	1.3	61.2	0	37.5	32.2	-21.12	N/A	Decreased vac to -20.15 (Cooling System Installed)
GIW-06	01/27/15							N/A	(Cooling System Installed)
GIW-06	01/28/15	0.9	62.9	0.2	36	45.5	-19.84	N/A	Increased vac to -19.9 (Cooling System Installed)
GIW-06	01/29/15							N/A	(Cooling System Installed)
GIW-06	01/30/15							N/A	(Cooling System Installed)
GIW-06	02/02/15							N/A	(Cooling System Installed)
GIW-06	02/03/15							N/A	(Cooling System Installed)
GIW-06	02/04/15							N/A	(Cooling System Installed)
GIW-06	02/05/15							N/A	(Cooling System Installed)
GIW-06	02/06/15	1.9	59.5	0	38.6	30.9	-14.53	N/A	Decreased vac to -14.1 (Cooling System Installed)
GIW-06	02/09/15							N/A	(Cooling System Installed)
GIW-06	02/10/15							N/A	(Cooling System Installed)
GIW-06	02/11/15	0.9	62.9	0.6	35.6	44.1	-20.45	N/A	Decreases vac to -19.23 (Cooling System Installed)
GIW-06	02/12/15							N/A	(Cooling System Installed)
GIW-06	02/13/15							N/A	(Cooling System Installed)
GIW-06	02/16/15							N/A	(Cooling System Installed)
GIW-06	02/17/15							N/A	(Cooling System Installed)
GIW-06	02/18/15							N/A	(Cooling System Installed)
GIW-06	02/19/15							N/A	(Cooling System Installed)
GIW-06	02/20/15	1	59.5	0.4	39.1	19.3	-23.2	N/A	Increased vac to -23.81 (Cooling System Installed)
GIW-06	02/23/15							N/A	(Cooling System Installed)
GIW-06	02/24/15							N/A	(Cooling System Installed)
GIW-06	02/25/15							N/A	(Cooling System Installed)
GIW-06	02/26/15							N/A	(Cooling System Installed)
GIW-06	02/27/15							N/A	(Cooling System Installed)
GIW-06	02/28/15	1.1	56.6	0.3	42	22.4	-22.93	N/A	Increased vac to -26.28 (Cooling System Installed)
GIW-06	03/01/15							N/A	
GIW-06	03/02/15							N/A	
GIW-06	03/03/15							N/A	
GIW-06	03/04/15	1.1	60.8	0.8	37.3	24.5	-17.28	N/A	Decreased vac to -14.04
GIW-06	03/05/15							N/A	
GIW-06	03/06/15	0.4	37.9	9.6	52.1	57.3	-3.26	N/A	Decreased vac to -0.52
GIW-06	03/07/15							N/A	
GIW-06	03/08/15							N/A	
GIW-06	03/09/15							N/A	
GIW-06	03/10/15	0.8	64	0	35.2	52.8	-3.57	N/A	Increased vac to -4.74
GIW-06	03/11/15							N/A	
GIW-06	03/12/15							N/A	
GIW-06	03/13/15							N/A	
GIW-06	03/14/15							N/A	
GIW-06	03/15/15							N/A	
GIW-06	03/16/15							N/A	
GIW-06	03/17/15							N/A	
GIW-06	03/18/15	0.9	60.5	0	38.6	50	22.95	N/A	Increased vac to -12.27
GIW-06	03/19/15							N/A	
GIW-06	03/20/15	1.4	58	1.8	38.8	43.6	-22.16	N/A	Decreased vac to -7.51
GIW-06	03/21/15							N/A	
GIW-06	03/22/15							N/A	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	03/23/15							N/A	
GIW-06	03/24/15	0.9	56.5	1.4	41.2	34.5	-15.2	N/A	Decreased vac to -11.23
GIW-06	03/25/15							N/A	
GIW-06	03/26/15	1.3	61.8	0	36.9	39.9	0.71	N/A	Increased vac to -16.3
GIW-06	03/27/15							N/A	
GIW-06	03/28/15							N/A	
GIW-06	03/29/15							N/A	
GIW-06	03/30/15							N/A	
GIW-06	03/31/15	0.8	61	0.1	38.1	77.6	-6.04	N/A	Decreased vac to -5.01
GIW-06	04/01/15							N/A	
GIW-06	04/02/15	1.2	64.4	0	34.4	67	16.61	N/A	Increased vac to 5.86
GIW-06	04/03/15							N/A	
GIW-06	04/04/15							N/A	
GIW-06	04/05/15							N/A	
GIW-06	04/06/15							N/A	
GIW-06	04/07/15							N/A	
GIW-06	04/08/15	1	65.4	0	33.6	80.2	16.54	N/A	Increased vac to -19.41
GIW-06	04/09/15							N/A	
GIW-06	04/10/15							N/A	
GIW-06	04/11/15							N/A	
GIW-06	04/12/15							N/A	
GIW-06	04/13/15							N/A	
GIW-06	04/14/15							N/A	
GIW-06	04/15/15							N/A	
GIW-06	04/16/15	1.1	60.9	0.7	37.3	87.2	-22.34	N/A	Decreased vac to -20.33
GIW-06	04/17/15							N/A	
GIW-06	04/18/15							N/A	
GIW-06	04/19/15							N/A	
GIW-06	04/20/15							N/A	
GIW-06	04/21/15	1.2	62.4	0	36.4	73.1	-4.58	N/A	
GIW-06	04/22/15							N/A	
GIW-06	04/23/15							N/A	
GIW-06	04/24/15							N/A	
GIW-06	04/25/15							N/A	
GIW-06	04/26/15							N/A	
GIW-06	04/27/15							N/A	
GIW-06	04/28/15							N/A	
GIW-06	04/29/15							N/A	
GIW-06	04/30/15	1.4	61.7	0	36.9	81.1	25.79	N/A	Increased vac to -4.63
GIW-06	05/01/15							N/A	
GIW-06	05/02/15							N/A	
GIW-06	05/03/15							N/A	
GIW-06	05/04/15							N/A	
GIW-06	05/05/15							N/A	
GIW-06	05/06/15	1.1	62.8	0	36.1	85.3	31.16	N/A	Increased vac to -0.14
GIW-06	05/07/15							N/A	
GIW-06	05/08/15							N/A	
GIW-06	05/09/15							N/A	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-06	05/10/15							N/A	
GIW-06	05/11/15							N/A	
GIW-06	05/12/15							N/A	
GIW-06	05/13/15							N/A	
GIW-06	05/14/15	0.9	71.9	0	27.2	61	26.9	N/A	Increased vac to -18.9
GIW-06	05/15/15							N/A	

GIW-6 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	01/01/14	1.9	79.1	0	19	155	-0.8	NA	Increased vac to -2.5 inches
GIW-07	01/03/14	2	80.2	0	17.8	120	-0.8	Y	Increased vac to -2.6 inches
GIW-07	01/13/14	1.7	82.3	0	16	150	5.7	Y	Increased vac to -4.1 inches
GIW-07	01/15/14	1.2	69.3	3.6	25.9	148	-9.2	Y	Decreased vac to -2.7 inches (pump eval on 16th)
GIW-07	01/17/14	1.6	81	0	17.4	155	-3.9	Y	
GIW-07	01/20/14	2	82.6	0	15.4	168	5.7	Y	Increased vac to -3.2 inches
GIW-07	01/22/14	2.1	81.8	0	16.1	141	-19.8	Y	Decreased vac to -4.1 inches
GIW-07	01/24/14	2	77.9	0	20.1	113	-5	Y	
GIW-07	01/27/14	2	80.4	0	17.6	134	-4.2	Y	
GIW-07	01/29/14	2	76.7	0	21.3	159	-4.3	Y	
GIW-07	02/03/14	1.8	80.7	0	17.5	176	8.3	Y	Increased vac to -0.5 inches
GIW-07	02/05/14	2.3	80.2	0.1	17.4	130	-17	Y	Decreased vac to -4.4 inches
GIW-07	02/07/14	2.5	79.3	0	18.2	170	10.2	N	Increased vac to -4.2 inches (needs new rod)
GIW-07	02/10/14	2.4	76.2	1	20.4	164	-18.4	Y	Decreased vac to -5.1 inches
GIW-07	02/12/14								
GIW-07	02/14/14								
GIW-07	02/17/14	2	75.6	0.1	22.3	135	-26.5	Y	Reduced vac to -16.4 inches
GIW-07	02/19/14	2.8	81.6	0	15.6	178	0.9	N	Increased vac to -0.1 inches (replace pump)
GIW-07	02/21/14	2.9	79	0	18.1	168	-4.3	Y	
GIW-07	02/24/14	2.9	80.5	0	16.6	180	7.1	Y	Increased vac to -0.3 inches
GIW-07	02/26/14	2.8	79.1	0	18.1	150	-8.7	N	Decreased vac to -5.4 inches (bad piston)
GIW-07	02/28/14	2.7	81.3	0	16	162	-4.9	Y	
GIW-07	03/03/14	3	83.8	0	13.2	152	-9.5	Y	Decreased vac to -6.9 inches
GIW-07	03/05/14	2.7	83.7	0	13.6	144	-12.7	Y	Decreased vac to -.5 inches
GIW-07	03/07/14	2.7	82.4	0	14.9	105	-21.6	Y	Decreased vac to -18.1 inches
GIW-07	03/10/14	2.6	81	0	16.4	157	-4.9	N	Replaced 1" rod seal
GIW-07	03/12/14	2.6	78.7	0.4	18.3	67	-21.2	Y	Decreased vac to -19.5 inches
GIW-07	03/14/14	3.6	84.3	0.8	11.3	67	-24.9	N	Decreased vac to -20.1 inches (replaced 1" rod seal)
GIW-07	03/17/14	2.2	55.2	4.9	37.7	52	95.8	N	Increased vac to -0.6 inches
GIW-07	03/19/14	4.1	75.6	1.2	19.1	53	184.1	Y	Increased vac to -3.6 inches
GIW-07	03/20/14	2.5	33.1	7.6	56.8	68	-25.9	N	decreased vac to -19.8 inches (replaced 1" rod seal)
GIW-07	03/24/14	4.6	76.5	2	16.9	50	-22.8	N	decreased vac to -4.9 inches (replaced rod seal)
GIW-07	03/26/14	5.2	87.3	0	7.5	40	0.4	Y	increased vac to -1.7 inches
GIW-07	03/28/14	5.4	83.5	0	11.1	47	0.8	Y	increased vac to -1.3 inches
GIW-07	03/31/14	5.5	83.8	0	10.7	62	-3.8	N	(1" seal needs replaced)
GIW-07	04/02/14	4.4	81.4	0	14.2	68	37.5	Y	increased vac to -0.2 inches
GIW-07	04/03/14	4.8	77.8	0.9	16.5	59	-22.5	N	decreased vac to -21.1 inches (1" rod seal needs replaced)
GIW-07	04/05/14	5	79.5	0	15.5	86	2.1	na	decreased vac to -0.8 inches
GIW-07	04/07/14	4.4	79.6	0.1	15.9	85	-20.7	Y	decreased vac to -13.4 inches
GIW-07	04/08/14	4	78.1	0.8	17.1	85	-6.1	Y	decreased vac to -5.4 inches
GIW-07	04/09/14	5.4	77.7	1	15.9	84	-4.4	Y	
GIW-07	04/10/14	4.5	80.9	0	14.6	98	-17.2	na	decreased vac to -14.6 inches
GIW-07	04/11/14	4.4	76.2	1.5	17.9	84	-16.4	na	decreased vac to -8.5 inches
GIW-07	04/14/14	4.9	81.8	0.2	13.1	57	-4.2	N	(blown seal)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	04/15/14	5	81.5	0	13.5	59	-4.4	N	(blown seal)
GIW-07	04/16/14	4.6	81.6	0	13.8	68	-3.8	N	
GIW-07	04/17/14	4.1	82.3	0	13.6	96	-3.8	N	(blown seal)
GIW-07	04/18/14	4.2	81.4	0	14.4	108	-4.6	na	
GIW-07	04/21/14	4.3	82.2	0	13.5	92	-2.4	Y	increased vac to -3.1 inches
GIW-07	04/22/14	3.8	82.3	0	13.9	85	14.2	Y	increased vac to -0.9 inches
GIW-07	04/23/14	3.8	81.4	0.2	14.6	88	-14.5	Y	decreased vac to -12.8 inches
GIW-07	04/24/14	3.9	80.9	0	15.2	110	-7.9	Y	decreased vac to -6.5 inches
GIW-07	04/25/14	4	82.2	0	13.8	122	-4	Y	
GIW-07	04/28/14	3.7	82.9	0	13.4	92	-6.2	Y	decrease vac to -5.9 inches
GIW-07	04/29/14	3.2	81.8	0	15	116	90.5	N	Increased vac to -0.6 inches (adjusted 4 way valve)
GIW-07	04/30/14	3.4	82.3	0	14.3	133	-28.6	Y	decreased vac to -25.2 inches
GIW-07	05/01/14	3.5	81.5	0	15	128	-18.8	na	decreased vac to -16 inches
GIW-07	05/02/14	3.8	80.7	0	15.5	119	-16.5	Y	decreased vac to -14.0 inches
GIW-07	05/05/14	4.7	82	0	13.3	140	-4.7	N	(replaced 1" rod seal)
GIW-07	05/06/14	3.2	81.9	0	14.9	156	6.4	Y	increased vac to -0.5 inches
GIW-07	05/07/14	3.6	81.6	0	14.8	151	-5.1	Y	
GIW-07	05/08/14	3.3	79.9	0.4	16.4	132	-16.6	Y	decreased vac to -14.2 inches
GIW-07	05/09/14	3.4	81.3	0	15.3	130	-10.8	Y	decreased vac to -8.8 inches
GIW-07	05/12/14	3.6	83.1	0	13.3	125	13.8	N	increased vac to -0.8 inches (replaced 1" rod seal)
GIW-07	05/13/14	3.7	80.7	0	15.6	120	-10.9	Y	decreased vac to -10.4 inches
GIW-07	05/16/14	3.4	80.8	0	15.8	141	4	Y	increased vac to -2.1 inches (evaluated on the 15th)
GIW-07	05/19/14	3.2	83.2	0	13.6	131	-2.1	N	increased vac to -2.5 inches (replaced 1" rod seal)
GIW-07	05/20/14	2.9	81.1	0	16	158	31.1	na	increased vac to -0.9 inches
GIW-07	05/21/14	2.8	77.1	0	20.1	170	-11.6	Y	decreased vac to -10.9 inches
GIW-07	05/22/14	3.2	77.7	0	19.1	165	-19.8	Y	decreased vac to -18.2 inches
GIW-07	05/23/14	3	82.1	0.1	14.8	171	-9.7	na	decreased vac to -5.0 inches
GIW-07	05/27/14	3	78.3	0	18.7	162	-7.2	na	Decreased vac to -7.1 inches
GIW-07	05/28/14	2.7	80.8	0	16.5	162	-4	N	(blown bottom seal)
GIW-07	05/29/14	2.9	80.7	0	16.4	159	-4	N	(blown 1" rod seal)
GIW-07	05/30/14	2.6	81.2	0	16.2	160	-1.7	na	Decreased vac to -1.4 inches
GIW-07	06/02/14	3.2	80.9	0	15.9	132	-12.5	N	Decreased vac to -10.5 inches (blown 1" rod seal)
GIW-07	06/03/14	3.1	81.3	0	15.6	157	1.4	N	Increased vac to -0.2 inches (blown 1" rod seal)
GIW-07	06/04/14	3	80.4	0	16.6	120	-17.7	N	Decreased vac to -14.4 inches (blown 1" rod seal)
GIW-07	06/05/14	2.6	75.8	0	21.6	114	-12.9	N	Decreased vac to -10.2 inches (replaced 1" rod seal, pump operational)
GIW-07	06/06/14	2.7	78.1	0	19.2	167	17.7	Y	Increased vac to -0.9 inches
GIW-07	06/09/14	2.5	80.6	0	16.9	158	-8	Y	Decreased vac to -7.9 inches
GIW-07	06/10/14	2.8	79.9	0	17.3	137	-16.4	na	Decreased vac to -15.6 inches
GIW-07	06/11/14	2.7	76.4	0	20.9	124	-15.6	N	Decreased vac to -12.1 inches (replaced 1" rod seal, pump operational)
GIW-07	06/12/14	2.6	80.4	0	17	169	21.2	Y	Decreased vac to -0.2 inches
GIW-07	06/13/14	2.5	78.9	0	18.6	155	-12.9	Y	Decreased vac to -10 inches
GIW-07	06/16/14	3	78.3	0	18.7	173	-7.9	N	Decreased vac to -7 (replaced 1" rod seal, pump operational)
GIW-07	06/17/14	2.5	78.8	0	18.7	144	-13.3	Y	Decreased vac to -12.3
GIW-07	06/19/14	2.3	78.9	0	18.8	165	-4.2	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	06/23/14	2.6	78.5	0	18.9	147	-16.9	N	Decreased vac to -15.7 (blown 1" rod seal)
GIW-07	06/24/14	2.6	78.9	0	18.5	138	-9.3	N	Decreased vac to -6.2 (blown 1" rod seal)
GIW-07	06/25/14	2.6	78.8	0	18.6	155	-0.2	N	Increased vac to -1.7 (replaced 1" rod seal, pump operational)
GIW-07	06/26/14	3.4	77.6	0	19	149	-4	N	(replaced 1" rod seal and 1" female gasket, pump operational)
GIW-07	06/27/14	2.4	80.4	0	17.2	157	11.3	Y	Increased vac to -1.9
GIW-07	06/30/14	2.5	77.3	0	20.2	160	-7.9	NA	Decreased vac to -6.7
GIW-07	07/01/14	2.3	73.2	1.3	23.2	121	-14.1	NA	Decreased vac to -13.1
GIW-07	07/03/14	2.4	73	1.4	23.2	170	-16.5	NA	Decreased vac to -10.6
GIW-07	07/07/14	2.3	74	0	23.7	163	-11.1	Y	Decreased vac to -6.5
GIW-07	07/08/14	2.5	79.3	0	18.2	166	-7.3	N	Decreased vac to -3.9 (blown 1" rod seal)
GIW-07	07/09/14	2.7	75.4	0	21.9	167	-0.9	N	Increased vac to -1.1 (blown 1" rod seal)
GIW-07	07/10/14	2.7	78.5	0	18.8	171	-2.5	N	Increased vac to -3.8 (replaced 1" rod seal, refilled memo and 4-way oil, pump operational)
GIW-07	07/11/14	3.6	77	0	19.4	175	3.8	Y	Decreased vac to -0.2
GIW-07	07/14/14	2.8	73.8	0	23.4	178	-8	Y	Decreased vac to -6.9
GIW-07	07/15/14	3.1	75.5	0	21.4	163	-13.8	N	Decreased vac to -11.4 (replaced 4-way valve, pump operational)
GIW-07	07/16/14	2.4	74.4	0	23.2	176	-4.9	Y	
GIW-07	07/17/14	2.1	78.6	0	19.3	174	-7	Y	Decreased vac to -5.1
GIW-07	07/18/14	1.9	78.9	0	19.2	173	-4.9	Y	
GIW-07	07/21/14	2.4	77.6	0	20	176	4.1	N	Increased vac to -0.6 (replaced 1" rod seal, pump operational)
GIW-07	07/22/14	2.5	77.6	0	19.9	172	-5	Y	
GIW-07	07/23/14	2	79.1	0	18.9	168	-4.9	Y	
GIW-07	07/24/14	2	78	0	20	163	-4.6	Y	
GIW-07	07/25/14	2.7	78.8	0	18.5	166	-4.9	N	(replaced the whole blackhawk with a rebuild)
GIW-07	07/28/14	2.1	79.9	0	18	161	-7.2	N	Decreased vac to -6.3 (replaced 1" rod seals, pump operational)
GIW-07	07/29/14	2.3	78.5	0	19.2	165	-5.1	Y	
GIW-07	07/30/14	2	78.7	0	19.3	173	-0.2	Y	Increased vac to -1.7
GIW-07	07/31/14	2	78.7	0	19.3	174	-1.2	N	Increased vac to -1.9
GIW-07	08/01/14	2	77.5	0	20.5	174	-5.1	Y	(replaced 1" rod seal, pump operational)
GIW-07	08/04/14	2.7	77.4	0	19.9	163	-4.1	Y	
GIW-07	08/05/14	2.2	78	0	19.8	158	-4.8	Y	
GIW-07	08/06/14	2.3	78.4	0	19.3	169	-4.1	Y	
GIW-07	08/07/14							Y	
GIW-07	08/08/14	2.2	73.3	0	24.5	165	-4.9	N	(replaced 1" rod seal, pump operational)
GIW-07	08/11/14	2.1	77	0.2	20.7	164	-4	Y	
GIW-07	08/12/14	2.1	79	0	18.9	158	-4.1	Y	
GIW-07	08/13/14	2.7	76.7	0	20.6	171	-4.2	Y	
GIW-07	08/14/14	2.2	79	0	18.8	172	-4.2	Y	
GIW-07	08/15/14	2.3	77.5	0	20.2	172	-4.9	Y	
GIW-07	08/18/14	2.3	74.1	0	23.6	177	-2.1	Y	Increased vac to -4.5
GIW-07	08/19/14	2.2	76.5	0	21.3	170	-3.8	Y	
GIW-07	08/20/14	2.2	75	0	22.8	169	-4.7	Y	Decreased vac to -4.5
GIW-07	08/21/14	3	77	0	20	167	-4.6	N	(replaced 1" rod seal, pump operational)
GIW-07	08/22/14	2.5	77.6	0	19.9	173	2.1	Y	Increased vac to -3.2
GIW-07	08/25/14	2.9	76.6	0	20.5	170	-4.3	N	(replaced 1" rod seal, pump operational)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	08/26/14	2.3	76.4	0	21.3	169	-4.8	Y	
GIW-07	08/27/14	2.4	77.1	0	20.5	167	-4.7	N	(replaced 1" rod seal, pump operational)
GIW-07	08/28/14	2.2	77.9	0	19.9	172	-4	Y	
GIW-07	08/29/14	2.4	77.9	0	19.7	167	-4.4	Y	
GIW-07	09/01/14							Y	
GIW-07	09/02/14	2.2	79.2	0	18.6	161	-4.8	Y	
GIW-07	09/03/14	2.3	76.6	0	21.1	169	-4.5	Y	
GIW-07	09/04/14	2.2	77.8	0	20	166	-4.1	Y	
GIW-07	09/05/14	2.3	77	0	20.7	167	-4	Y	
GIW-07	09/08/14							NA	(Not Available due to safe access conditions)
GIW-07	09/09/14							NA	(Not Available due to safe access conditions)
GIW-07	09/10/14							NA	(Not Available due to safe access conditions)
GIW-07	09/11/14							NA	(Not Available due to safe access conditions)
GIW-07	09/12/14							NA	(Not Available due to safe access conditions)
GIW-07	09/15/14							N	(replaced 1" rod, pump operational)
GIW-07	09/16/14							Y	
GIW-07	09/17/14							Y	
GIW-07	09/18/14							Y	
GIW-07	09/19/14	2	77.1	0.2	20.7	163	-6.5	Y	
GIW-07	09/22/14	3.1	78.5	0	18.4	170	-5.7	Y	
GIW-07	09/23/14	2.2	69	2.3	26.5	159	-4.4	N	(replaced 1" rod seal - pump operational)
GIW-07	09/24/14	2.5	76.2	0.4	20.9	158	-4.96	Y	
GIW-07	09/25/14	5.4	67.1	0.2	27.3	156.7	-9.34	Y	Decreased vac to -6.84
GIW-07	09/26/14	2.4	69.5	0.4	27.7	168.8	-4.38	Y	
GIW-07	09/29/14	3.8	69.3	0.3	26.6	169.7	-10.32	Y	Decreased to -6.72
GIW-07	09/30/14	2.5	71	0	26.5	166	-4.99	Y	
GIW-07	10/01/14	3.3	72.2	0	24.5	155.2	-5.01	Y	
GIW-07	10/02/14	9	68.1	0	22.9	146.6	-4.95	Y	
GIW-07	10/03/14							Y	
GIW-07	10/06/14	9.9	69.6	0.2	20.3	153.5	-4.87	Y	Decreased vac to -4.05
GIW-07	10/07/14	12.6	49.5	0	37.9	143.6	-4.99	Y	
GIW-07	10/08/14							N/A	(Cooling System installed)
GIW-07	10/09/14							N/A	(Cooling System installed)
GIW-07	10/10/14							N/A	(Cooling System installed)
GIW-07	10/13/14	4.7	59.1	0.8	35.4	86.9	-4.39	N/A	(Cooling System installed)
GIW-07	10/14/14							N/A	(Cooling System installed)
GIW-07	10/15/14	12.5	61.5	0.4	25.6	60	-4.1	N/A	(Cooling System installed)
GIW-07	10/16/14	12.5	45	5.5	37	67	-1.5	N/A	Decreased vac to -0.2 (Cooling System Installed)
GIW-07	10/17/14	13.6	52.9	2.9	30.6	69	-3.9	N/A	(Cooling System installed)
GIW-07	10/20/14	8.9	72.2	0.2	18.7	67	-4.4	N/A	(Cooling System installed)
GIW-07	10/21/14	7	69.6	0	23.4	65	-4	N/A	(Cooling System installed)
GIW-07	10/22/14	8	73.1	0.1	18.8	76	-4	N/A	(Cooling System installed)
GIW-07	10/23/14	7.8	73.2	0.4	18.6	52	-4	N/A	(Cooling System installed)
GIW-07	10/24/14	16.2	59	0.7	24.1	87	-6.6	N/A	(Cooling System installed)

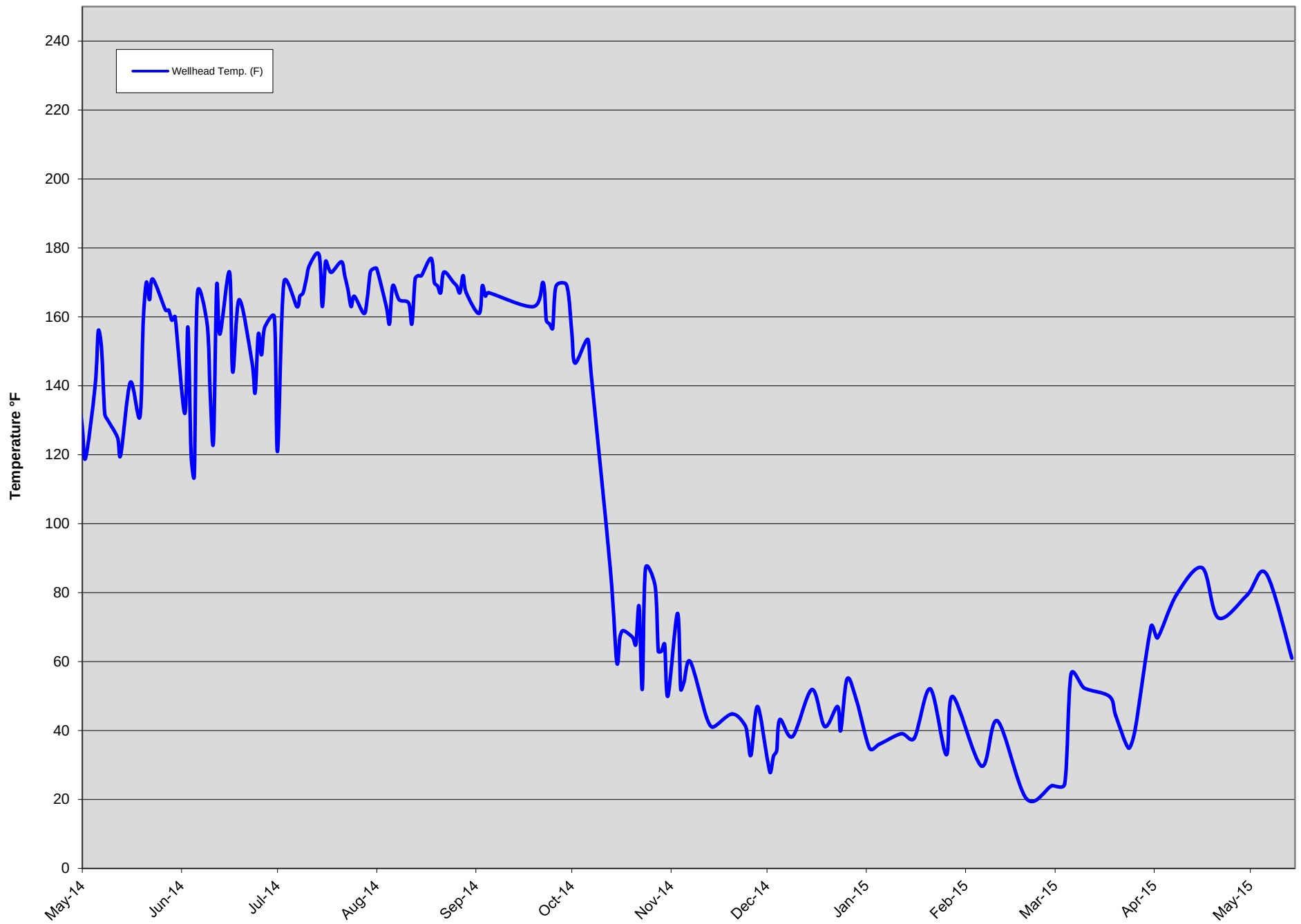
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	10/27/14	14.5	64.2	0.4	20.9	82	-4.1	N/A	(Cooling System installed)
GIW-07	10/28/14	21	55	1.2	22.8	63	-5.1	N/A	(Cooling System installed)
GIW-07	10/29/14	22.3	54.9	0.1	22.7	63	-4.1	N/A	(Cooling System installed)
GIW-07	10/30/14	20.4	56.4	0.2	23	65	-4	N/A	(Cooling System installed)
GIW-07	10/31/14	22.4	56.1	0.4	21.1	50	-4.1	N/A	(Cooling System installed)
GIW-07	11/03/14	22.2	58.9	0.3	18.6	74	-2.5	N/A	(Cooling System installed)
GIW-07	11/04/14	23.7	60	0.3	16	52	-3	N/A	(Cooling System installed)
GIW-07	11/05/14	23.6	55	0.6	20.8	54	-4.1	N/A	(Cooling System installed)
GIW-07	11/06/14							N/A	(Cooling System installed)
GIW-07	11/07/14	26.5	53	0.6	19.9	60	-4.1	N/A	(Cooling System installed)
GIW-07	11/10/14							N/A	(Cooling System installed)
GIW-07	11/11/14							N/A	(Cooling System installed)
GIW-07	11/12/14	26.3	53.1	0.4	20.2	44	-4.6	N/A	Decreased vac to -4 (Cooling System Installed)
GIW-07	11/13/14							N/A	(Cooling System installed)
GIW-07	11/14/14	24.6	58.4	0.5	16.5	41	-4.1	N/A	(Cooling System installed)
GIW-07	11/17/14							N/A	(Cooling System installed)
GIW-07	11/18/14							N/A	(Cooling System installed)
GIW-07	11/19/14							N/A	(Cooling System installed)
GIW-07	11/20/14	12.7	54	1.3	32	44.8	-4.95	N/A	(Cooling System installed)
GIW-07	11/21/14							N/A	(Cooling System installed)
GIW-07	11/24/14	21.6	49.6	1.3	27.5	41.7	-4.86	N/A	(Cooling System installed)
GIW-07	11/25/14	18.5	54.8	1.1	25.6	37.6	-4.76	N/A	(Cooling System installed)
GIW-07	11/26/14	21.8	53.9	3.3	21	33	-5.3	N/A	(Cooling System installed)
GIW-07	11/27/14								
GIW-07	11/28/14	25.3	54.2	1.7	18.8	47	-2.7	N/A	(Cooling System installed)
GIW-07	12/01/14	18.8	57.5	0.8	22.9	32.1	-2.77	N/A	(Cooling System Installed)
GIW-07	12/02/14	21.2	46.9	0.8	31.1	27.8	-1.85	N/A	(Cooling System Installed)
GIW-07	12/03/14	25.5	45.4	1.3	27.8	32.6	-1.7	N/A	(Cooling System Installed)
GIW-07	12/04/14	21.7	49.1	2.3	26.9	34.2	-7.57	N/A	Decreased vac to -4.89 (Cooling System Installed)
GIW-07	12/05/14	28.5	47.8	0.3	23.4	43.2	-4.71	N/A	(Cooling System Installed)
GIW-07	12/08/14							N/A	(Cooling System Installed)
GIW-07	12/09/14	26	49.9	1.7	22.4	38.3	-7.33	N/A	Decreased vac to -6.35 (Cooling System Installed)
GIW-07	12/10/14							N/A	(Cooling System Installed)
GIW-07	12/11/14							N/A	(Cooling System Installed)
GIW-07	12/12/14							N/A	(Cooling System Installed)
GIW-07	12/15/14	22.5	45.8	2.2	29.5	51.9	-8.24	N/A	Decreased vac to -6.78 (Cooling System Installed)
GIW-07	12/16/14							N/A	(Cooling System Installed)
GIW-07	12/17/14							N/A	(Cooling System Installed)
GIW-07	12/18/14							N/A	(Cooling System Installed)
GIW-07	12/19/14	25.2	51.4	0.4	23	41.2	-4.01	N/A	(Cooling System Installed)
GIW-07	12/22/14							N/A	(Cooling System Installed)
GIW-07	12/23/14	24	55.1	2.3	18.6	47	-7.9	N/A	Decreased vac to -3.8 (Cooling System Installed)
GIW-07	12/24/14	27.1	58.9	1.5	12.5	40	-5.8		
GIW-07	12/25/14								

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	12/26/14	8.3	32.7	12.8	46.2	55	-7.1	N/A	Decreased vac to -1.1 (Cooling System Installed)
GIW-07	12/29/14	24.1	57.2	0.1	18.6	48.6	2.98	N/A	Increased vac to -2.31(Cooling System installed)
GIW-07	12/30/14							N/A	(Cooling System installed)
GIW-07	12/31/14							N/A	(Cooling System installed)
GIW-07	01/01/15							N/A	(Cooling System installed)
GIW-07	01/02/15	24.1	43.8	2.8	29.3	34.9	-7.81	N/A	Decreased vac to -7.39 (Cooling System installed)
GIW-07	01/05/15	27.1	54.1	0.8	18	36	-4.08		
GIW-07	01/06/15								
GIW-07	01/07/15								
GIW-07	01/08/15								
GIW-07	01/09/15								
GIW-07	01/12/15	27.9	52.5	0.9	18.7	39.1	-4.8	N/A	(Cooling System Installed)
GIW-07	01/13/15							N/A	(Cooling System Installed)
GIW-07	01/14/15							N/A	(Cooling System Installed)
GIW-07	01/15/15							N/A	(Cooling System Installed)
GIW-07	01/16/15	30.3	52	0.6	17.1	37.8	-4.08	N/A	(Cooling System Installed)
GIW-07	01/19/15							N/A	(Cooling System Installed)
GIW-07	01/20/15							N/A	(Cooling System Installed)
GIW-07	01/21/15	29.6	50.9	1.5	18	52.1	-4.96	N/A	Decreased vac to -4.43 (Cooling System Installed)
GIW-07	01/22/15							N/A	(Cooling System Installed)
GIW-07	01/23/15							N/A	(Cooling System Installed)
GIW-07	01/26/15	30.6	54	0	15.4	33	-4.34	N/A	(Cooling System Installed)
GIW-07	01/27/15							N/A	(Cooling System Installed)
GIW-07	01/28/15	29.7	45.2	2.2	22.9	49.9	-3.33	N/A	(Cooling System Installed)
GIW-07	01/29/15							N/A	(Cooling System Installed)
GIW-07	01/30/15							N/A	(Cooling System Installed)
GIW-07	02/02/15							N/A	(Cooling System Installed)
GIW-07	02/03/15							N/A	(Cooling System Installed)
GIW-07	02/04/15							N/A	(Cooling System Installed)
GIW-07	02/05/15							N/A	(Cooling System Installed)
GIW-07	02/06/15	24.2	55.6	0	20.2	29.7	1.77	N/A	(Cooling System Installed)
GIW-07	02/09/15							N/A	(Cooling System Installed)
GIW-07	02/10/15							N/A	(Cooling System Installed)
GIW-07	02/11/15	21.8	52.7	2.8	22.7	42.8	-8.3	N/A	Decreased vac to -7.75 (Cooling System Installed)
GIW-07	02/12/15							N/A	(Cooling System Installed)
GIW-07	02/13/15							N/A	(Cooling System Installed)
GIW-07	02/16/15							N/A	(Cooling System Installed)
GIW-07	02/17/15							N/A	(Cooling System Installed)
GIW-07	02/18/15							N/A	(Cooling System Installed)
GIW-07	02/19/15							N/A	(Cooling System Installed)
GIW-07	02/20/15	24	51.2	2.6	22.2	20.3	-9.34	N/A	Increased vac to -9.83 (Cooling System Installed)
GIW-07	02/23/15							N/A	(Cooling System Installed)
GIW-07	02/24/15							N/A	(Cooling System Installed)
GIW-07	02/25/15							N/A	(Cooling System Installed)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	02/26/15							N/A	(Cooling System Installed)
GIW-07	02/27/15							N/A	(Cooling System Installed)
GIW-07	02/28/15	25.8	58.9	0	15.3	24	0.49	N/A	(Cooling System Installed)
GIW-07	03/01/15							N/A	
GIW-07	03/02/15							N/A	
GIW-07	03/03/15							N/A	
GIW-07	03/04/15	25.9	55.6	0.1	18.4	24.5	-0.13	N/A	
GIW-07	03/05/15							N/A	
GIW-07	03/06/15	25.2	55.3	0	19.5	56.4	-0.02	N/A	
GIW-07	03/07/15							N/A	
GIW-07	03/08/15							N/A	
GIW-07	03/09/15							N/A	
GIW-07	03/10/15	28.9	56.8	0	14.3	52.4	-0.08	N/A	
GIW-07	03/11/15							N/A	
GIW-07	03/12/15							N/A	
GIW-07	03/13/15							N/A	
GIW-07	03/14/15							N/A	
GIW-07	03/15/15							N/A	
GIW-07	03/16/15							N/A	
GIW-07	03/17/15							N/A	
GIW-07	03/18/15	33.7	52.7	0	13.6	49.9	-0.12	N/A	
GIW-07	03/19/15							N/A	
GIW-07	03/20/15	34.3	51.6	0.1	14	44.2	-0.24	N/A	
GIW-07	03/21/15							N/A	
GIW-07	03/22/15							N/A	
GIW-07	03/23/15							N/A	
GIW-07	03/24/15	30.6	50.2	0.2	19	34.9	-0.11	N/A	
GIW-07	03/25/15							N/A	
GIW-07	03/26/15	32.5	55.7	0	11.8	40.2	-0.13	N/A	
GIW-07	03/27/15							N/A	
GIW-07	03/28/15							N/A	
GIW-07	03/29/15							N/A	
GIW-07	03/30/15							N/A	
GIW-07	03/31/15	29.6	61.8	0	8.6	70.2	-0.07	N/A	
GIW-07	04/01/15							N/A	
GIW-07	04/02/15	31	51.7	0.1	17.2	66.9	-0.07	N/A	
GIW-07	04/03/15							N/A	
GIW-07	04/04/15							N/A	
GIW-07	04/05/15							N/A	
GIW-07	04/06/15							N/A	
GIW-07	04/07/15							N/A	
GIW-07	04/08/15	30.1	61.1	0	8.8	79.5	-0.18	N/A	
GIW-07	04/09/15							N/A	
GIW-07	04/10/15							N/A	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-07	04/11/15							N/A	
GIW-07	04/12/15							N/A	
GIW-07	04/13/15							N/A	
GIW-07	04/14/15							N/A	
GIW-07	04/15/15							N/A	
GIW-07	04/16/15	28.9	59	0	12.1	87.2	-0.16	N/A	
GIW-07	04/17/15							N/A	
GIW-07	04/18/15							N/A	
GIW-07	04/19/15							N/A	
GIW-07	04/20/15							N/A	
GIW-07	04/21/15	32.9	54.8	0	12.3	72.7	-0.18	N/A	
GIW-07	04/22/15							N/A	
GIW-07	04/23/15							N/A	
GIW-07	04/24/15							N/A	
GIW-07	04/25/15							N/A	
GIW-07	04/26/15							N/A	
GIW-07	04/27/15							N/A	
GIW-07	04/28/15							N/A	
GIW-07	04/29/15							N/A	
GIW-07	04/30/15	31.7	56.4	0	11.9	79.3	-0.05	N/A	
GIW-07	05/01/15							N/A	
GIW-07	05/02/15							N/A	
GIW-07	05/03/15							N/A	
GIW-07	05/04/15							N/A	
GIW-07	05/05/15							N/A	
GIW-07	05/06/15	29.2	56	0	14.8	85.5	-0.18	N/A	
GIW-07	05/07/15							N/A	
GIW-07	05/08/15							N/A	
GIW-07	05/09/15							N/A	
GIW-07	05/10/15							N/A	
GIW-07	05/11/15							N/A	
GIW-07	05/12/15							N/A	
GIW-07	05/13/15							N/A	
GIW-07	05/14/15	32.5	64.3	0	3.2	61	-0.2	N/A	
GIW-07	05/15/15							N/A	

GIW-7 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	01/01/14	21.1	71.8	0	7.1	121	-4.4	NA	
GIW-08	01/03/14	28.9	69	0	2.1	100	-4.4	Y	
GIW-08	01/13/14	5.9	71	0	23.1	101	6.3	Y	Increased vac to -1.7 inches
GIW-08	01/15/14	18.3	54.7	4.1	22.9	110	-10.2	Y	Decreased vac to -3.4 inches (pump eval on 16th)
GIW-08	01/17/14	30.1	63.6	0	6.3	60	-14.3	Y	Decreased vac to -5.0 inches
GIW-08	01/20/14	32	61.4	0	6.6	76	-3.3	N	Increased vac to -4.5 inches (replaced 1" seal)
GIW-08	01/22/14	34.4	62	0	3.6	50	-8.1	Y	Decreased vac to -4.6 inches
GIW-08	01/24/14	32.5	58.8	0	8.7	43	-4.1	Y	
GIW-08	01/27/14	13.8	71.7	0	14.5	22	6.1	Y	Increased vac to -4.6 inches
GIW-08	01/29/14	32.3	58	0	9.7	50	-3.9	Y	
GIW-08	02/03/14	33.1	61.5	0	5.4	55	-2.2	Y	Increased vac to -3.0 inches
GIW-08	02/05/14	34.4	59	0	6.6	30	-4.1	Y	
GIW-08	02/07/14	35.9	57.8	0	6.3	51	-2.1	N	Increased vac to -4.2 inches (needs new rod)
GIW-08	02/10/14	35.6	59.2	0	5.2	56	-5.5	N	needs new rod
GIW-08	02/12/14	34.9	61.4	0	3.7	61	-9.7	N	Reduced vac to -7.1 inches (replaced HD piping and fiberglass rod)
GIW-08	02/14/14	18.2	68.9	0	12.9	27	5.9	Y	Increased vac to -1.1 inches
GIW-08	02/17/14	33.3	63.6	0.1	3	63	-13.5	Y	Reduced vac to -8.5 inches
GIW-08	02/19/14	4.5	75	0	20.5	78	20.8	Y	Increased vac to -0.1 inches
GIW-08	02/21/14	28.7	64.7	0	6.6	81	-17.1	Y	Reduced vac to -15.2 inches
GIW-08	02/24/14	28.6	65.4	0	6	82	0.5	Y	Increased vac to -0.1 inches
GIW-08	02/26/14	27.9	57.4	0.4	14.3	43	-20.4	Y	Decreased vac to -13.5 inches
GIW-08	02/28/14	12.9	63.2	2.2	21.7	46	-21.7	Y	Decreased vac to -18.5 inches
GIW-08	03/03/14	14.9	73.8	0	11.3	50	3.8	Y	increased vac to -0.2 inches
GIW-08	03/05/14	25.2	61.2	0.3	13.3	50	-23.5	Y	Decreased vac to -9.2 inches
GIW-08	03/07/14	14.6	71.4	0	14	62	1.2	Y	Increased vac to -3.6 inches
GIW-08	03/10/14	11.7	73.7	0	14.6	80	13.4	Y	Increased vac to -0.3 inches
GIW-08	03/12/14	28.7	55.8	1.4	14.1	43	-27.6	Y	Decreased vac to -21.9 inches
GIW-08	03/14/14	9.6	73.8	0	16.6	78	10.6	N	Increased vac to -0.8 inches (replaced 1" rod seal)
GIW-08	03/17/14	13.9	81.4	0	4.7	43	1.6	Y	Increased vac to -1.8 inches
GIW-08	03/19/14	9.8	89.5	0	0.7	46	14.5	Y	Increased vac to -13.1 inches
GIW-08	03/20/14	8.8	86	0	5.2	68	-16.7	Y	Decreased vac to -0.3 inches
GIW-08	03/24/14	14.1	74.3	0	11.6	48	6.2	Y	Increased vac to -5.3 inches
GIW-08	03/26/14	7	82.2	0	10.8	58	34	Y	Increased vac to -0.5 inches
GIW-08	03/28/14	17	61.7	1.3	20	78	-25.4	Y	Decreased vac to -15.4 inches
GIW-08	03/31/14	6.1	77.9	0	16	90	36.3	N	Increased vac to -1.3 inches (1" seals needs replaced)
GIW-08	04/02/14	17.7	54.8	2.3	25.2	51	-11.2	Y	Decreased vac to -11 inches
GIW-08	04/03/14	9.7	55.9	3.5	30.9	51	-9	Y	Decreased vac to -4.9 inches
GIW-08	04/05/14	9	42.8	9.2	39	57	-4.1	na	Decreased vac to -1 inches
GIW-08	04/07/14	16.9	68.3	1.3	13.5	50	1.7	Y	Increased vac to -0.5 inches
GIW-08	04/08/14	14.8	53.2	6.2	25.8	51	-11.2	Y	Decreased vac to -6.8 inches
GIW-08	04/09/14	23.9	72.7	0	3.4	125	-3.7	Y	Oxygen reduced (changed pump to AP4)
GIW-08	04/11/14	32.1	63.3	0.8	3.8	75	-28.7	na	Decreased vac to -17.8 inches
GIW-08	04/14/14	29	50.3	3.8	16.9	47	-8.8	Y	Decreased vac to -7.9 inches
GIW-08	04/15/14	37.5	62.3	0	0.2	51	-0.4	Y	Increased vac to -2.2 inches
GIW-08	04/16/14	39.6	56.9	0	3.5	67	0.3	Y	Increased vac to -2.4 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	04/17/14	39.3	58.2	0	2.5	76	-5.2	Y	
GIW-08	04/18/14	39.6	51.9	0.3	8.2	83	-4.2	na	
GIW-08	04/21/14	36.2	50.3	1.9	11.6	68	-0.2	Y	
GIW-08	04/22/14	36.2	50.4	1.6	11.8	68	-0.4	Y	
GIW-08	04/23/14	29.5	48.2	2.9	19.4	62	-10.9	Y	decreased vac to -10.4 inches
GIW-08	04/24/14	11.7	43.1	7.3	37.9	82	-15.6	Y	decreased vac to -13.4 inches
GIW-08	04/25/14	23.5	58	1.2	17.3	80	-5.4	N	decreased vac to -5.1 inches (liquid below pump)
GIW-08	04/28/14	12.9	45.5	7.4	34.2	68	-15.5	Y	decreased vac to -12.0 inches
GIW-08	04/29/14	22.5	68.6	0	8.9	66	1.9	N	increased vac to -0.2 inches (liquid below pump)
GIW-08	04/30/14	27.5	49.1	3.3	20.1	50	-5.9	N	decreased vac to -1.7 inches (liquid below pump)
GIW-08	05/01/14	32.5	51	1.8	14.7	55	-0.5	na	
GIW-08	05/02/14	28.7	63.9	0	7.4	57	8.2	N	increased vac to -0.3 inches (liquid below pump)
GIW-08	05/05/14	23.5	45.9	4.9	25.7	85	-12.1	N	decreased vac to -8.0 inches (liquid below pump)
GIW-08	05/06/14	33.3	59.2	0	7.5	82	3.4	N	increased vac to -0.2 inches (extended depth of pump)
GIW-08	05/07/14	8.9	73.2	0	17.9	102	39	Y	increased vac to -2.4 inches
GIW-08	05/08/14	18.8	65	0.3	15.9	124	-26.9	Y	decreased vac to -19.3 inches
GIW-08	05/09/14	19.6	67.3	0	13.1	120	-13.8	Y	decreased vac to -12.7 inches
GIW-08	05/12/14	13.6	71	0	15.4	130	1.3	Y	increased vac to -1.1 inches
GIW-08	05/13/14	17.2	67.4	0	15.4	110	-4.7	Y	
GIW-08	05/16/14	10.2	70.7	0	19.1	122	5.8	Y	increased vac to -0.9 inches (evaluated on the 15th)
GIW-08	05/19/14	26.4	57.2	0.7	15.7	84	-28.2	N	decreased vac to -23.6 inches (replaced 1" rod seal)
GIW-08	05/20/14	5.5	73.5	0	21	124	31.4	na	increased vac to -0.1 inches
GIW-08	05/21/14	15.2	70	0	14.8	141	-22.8	Y	decreased vac to 22.1 inches
GIW-08	05/22/14	19.6	66.7	0	13.7	141	-23.8	Y	decreased vac to -22.8 inches
GIW-08	05/23/14	20.7	67.2	0.1	12	146	-19.5	na	decreased vac to -5.1 inches
GIW-08	05/27/14	26.4	49.2	2.3	22.1	100	-21.7	na	Decreased vac to -19 inches
GIW-08	05/28/14	7.5	69.3	0	23.2	98	17.4	Y	Increased vac to -0.9 inches
GIW-08	05/29/14	16.4	66.6	0	17	137	-11.9	Y	Decreased vac to -10.8 inches
GIW-08	05/30/14	16	67.5	0	16.5	129	-7	na	Decreased vac to -6 inches
GIW-08	06/02/14	16.4	66.9	0	16.7	125	-5	Y	
GIW-08	06/03/14	27.3	50.8	1.6	20.3	98	-19.9	Y	Decreased vac to -19 inches
GIW-08	06/04/14	5	72.7	0	22.3	112	36.5	Y	Increased vac to -3.1 inches
GIW-08	06/05/14	13	71.9	0	15.1	115	-19.1	Y	Decreased vac to -19 inches
GIW-08	06/06/14	15.3	72.4	0	12.3	172	-17.9	Y	Decreased vac to -17.8 inches
GIW-08	06/09/14	19.4	66.3	0	14.3	125	-19	Y	Decreased vac to -18.1 inches
GIW-08	06/10/14	12.2	52.5	4.9	30.4	75	-21.3	na	Increased vac to -21.5 inches
GIW-08	06/11/14	19	70.2	0	10.8	103	-3.9	Y	
GIW-08	06/12/14	15.2	68.4	0	16.4	127	1.5	Y	Increased vac to -0.7 inches
GIW-08	06/13/14	17.4	67.8	0	14.8	120	-4.5	Y	
GIW-08	06/16/14	27.8	51.4	1.5	19.3	104	-22.6	N	Decreased vac to -20.5 (replaced 1/4" gasket on female cam, pump operational)
GIW-08	06/17/14	4.5	72.5	0	23	115	20.4	Y	Increased vac to -1.4
GIW-08	06/19/14	20.5	64.3	0	15.2	134	-20.2	Y	Decreased vac to -16.1
GIW-08	06/23/14	11.5	40.5	8.4	39.6	82	-23.2	N	Decreased vac to -22.7 (blown 1" rod seal)
GIW-08	06/24/14	3.4	29.9	11.9	54.8	77	-0.7	N	(blown 1" rod seal)
GIW-08	06/25/14	30.8	64.7	0	4.5	90	-1	N	Increased vac to -3.7 (replaced 1" rod seal, pump operational)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	06/26/14	5.4	67.9	0	26.7	108	7	Y	Increased vac to -0.6
GIW-08	06/27/14	12.6	41.6	8.1	37.7	103	46.6	Y	Increased vac to -14.2
GIW-08	06/30/14	12.4	46.7	5.9	35	105	-16.4	NA	Decreased vac to -8.3
GIW-08	07/01/14	12.6	42.7	7.4	37.3	86	-11.7	NA	Increased vac to -11.8
GIW-08	07/03/14	35.4	41	4.8	18.8	75	-17.4	NA	Decreased vac to -13.6
GIW-08	07/07/14	7.9	65.8	0	26.3	108	20.3	Y	Increased vac to -2.6
GIW-08	07/08/14	25.6	65.1	0	9.3	118	-15.7	Y	Decreased vac to -11.8
GIW-08	07/09/14	22.4	58.5	1.6	17.5	117	-9.1	Y	Decreased vac to -6.4
GIW-08	07/10/14	24.9	63.4	0	11.7	118	-1.4	Y	Increased vac to -3.6 (refilled memo and 4-way oil)
GIW-08	07/11/14	23.9	67.7	0	8.4	111	-5	Y	
GIW-08	07/14/14	22.8	55.7	2.4	19.1	124	-4.9	Y	Decreased vac to -3.5
GIW-08	07/15/14	35.1	54.9	1.1	8.9	85	-19.8	N	Decreased vac to -17 (replaced 1" rod seal, pump operational)
GIW-08	07/16/14	16.2	64.1	0	19.7	113	10.9	Y	Increased vac to -0.9
GIW-08	07/17/14	22.2	61.2	1.4	15.2	129	-15	Y	Decreased vac to -13.2
GIW-08	07/18/14	9.8	50.8	7.7	31.7	80	-19.4	Y	
GIW-08	07/21/14	25.4	46	3.8	24.8	117	-14.6	N	Decreased vac to -7.8 (replaced 1" rod seal, pump operational)
GIW-08	07/22/14	28.7	58.7	0	12.6	107	-4.1	Y	
GIW-08	07/23/14	29.4	62.4	0	8.2	108	-2.5	Y	Increased vac to -5
GIW-08	07/24/14	28.4	62.8	0	8.8	106	-4.6	Y	
GIW-08	07/25/14	28.2	61.7	0	10.1	109	-0.4	Y	Increased vac to -3.1
GIW-08	07/28/14	25.5	66.5	0	8	110	-4.4	Y	
GIW-08	07/29/14	26.3	63.4	0	10.3	115	-4.1	N	(replaced 1" rod seal, pump operational)
GIW-08	07/30/14	26.2	63.7	0	10.1	122	-4.7	Y	
GIW-08	07/31/14	25.1	66.7	0	8.2	121	-0.6	Y	Increased vac to -2
GIW-08	08/01/14	23.6	63.4	0	13	126	-3.9	Y	
GIW-08	08/04/14	23.6	65	0	11.4	130	-4.9	N	(replaced the 4-way valve, pump operational)
GIW-08	08/05/14	24.7	62.3	0.4	12.6	119	-7.2	Y	Decreased vac to -5.7
GIW-08	08/06/14	24	64.7	0.2	11.1	127	-5.1	Y	
GIW-08	08/07/14							Y	
GIW-08	08/08/14	24.5	64.7	0	10.8	122	-4.9	Y	
GIW-08	08/11/14	23.5	66.8	0	9.7	116	-4.2	Y	
GIW-08	08/12/14	23.7	68	0	8.3	118	-5	Y	
GIW-08	08/13/14	24.7	63.7	0	11.6	128	-4.6	Y	
GIW-08	08/14/14	23.1	66.5	0	10.4	129	-4	N	(replaced 4-way valve, pump operational)
GIW-08	08/15/14	22.7	65.4	0.1	11.8	124	-4.4	Y	
GIW-08	08/18/14	23.4	55.4	2.6	18.6	82	-17.4	N	Decreased vac to -16.9 (replaced 1" rod seal, pump operational)
GIW-08	08/19/14	28.6	60.9	0	10.5	101	-4.9	Y	
GIW-08	08/20/14	9.1	72.6	0	18.3	120	-4	Y	
GIW-08	08/21/14	25.1	63	0	11.9	131	-14	Y	Decreased vac to -9.2
GIW-08	08/22/14	23.1	64.9	0	12	132	-4.9	Y	
GIW-08	08/25/14	34.4	50.3	1.2	14.1	96	-14.5	Y	Decreased vac to -11.6
GIW-08	08/26/14	27.4	51.4	2.4	18.8	93	-13.2	Y	Decreased vac to -9.5
GIW-08	08/27/14	15.6	58.2	3	23.2	82	-13.3	N	Decreased vac to -9.5 (replaced 4-way valve, pump operational)
GIW-08	08/28/14	16.2	48.5	4.8	30.5	85	-20.8	Y	Increased vac to -21.6
GIW-08	08/29/14	4.7	8.7	17.6	69	82	-2.9	Y	Decreased vac to -0.8

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	09/01/14							Y	
GIW-08	09/02/14	0.3	11.2	17.9	70.6	74	-2.8	Y	Decreased vac to -1.5
GIW-08	09/03/14	1.5	7.1	18.5	72.9	86	-5.6	N	Decreased vac to -1.2 (4-way valve needs to be replaced)
GIW-08	09/04/14	2.5	7	18	72.5	89	-0.1	N	(4-way valve needs to be replaced)
GIW-08	09/05/14	1.4	12.7	16.7	69.2	87	-0.1	N	(replaced 4-way valve, pump operational)
GIW-08	09/08/14							NA	(Not Available due to safe access conditions)
GIW-08	09/09/14							NA	(Not Available due to safe access conditions)
GIW-08	09/10/14							NA	(Not Available due to safe access conditions)
GIW-08	09/11/14							NA	(Not Available due to safe access conditions)
GIW-08	09/12/14							NA	(Not Available due to safe access conditions)
GIW-08	09/15/14							Y	
GIW-08	09/16/14							Y	
GIW-08	09/17/14							Y	
GIW-08	09/18/14							Y	
GIW-08	09/19/14	25.6	53.4	3	18	78	-15.2	N	(replaced 4-way valve, pump operational)
GIW-08	09/22/14	23.6	66.3	0	10.1	112	-6.4	Y	
GIW-08	09/23/14	19.8	59.9	1.7	18.6	98	-5.2	Y	
GIW-08	09/24/14	20.6	66.9	0.5	12	110.2	-6.95	Y	Increased vac to -7.26
GIW-08	09/25/14	28.9	52	1	18.1	107.2	-10.81	Y	Decreased vac to -10.38
GIW-08	09/26/14	17.7	56.3	1.7	24.3	113.5	-13.31	Y	
GIW-08	09/29/14	26.4	56	0.7	16.9	115.5	-11.23	Y	Second reading collected with no vac adjustment
GIW-08	09/30/14	16.5	58.2	0.2	25.1	111.6	-6.35	Y	
GIW-08	10/01/14	19	61.1	0.4	19.5	100.8	-9.83	Y	
GIW-08	10/02/14	21.4	58.3	0.3	20	94.4	-9.83	Y	
GIW-08	10/03/14							Y	
GIW-08	10/06/14	43.5	44.7	1.1	10.7	78.4	-15.14	Y	
GIW-08	10/07/14	19.3	57.8	1.8	21.1	65.7	-15.75	Y	
GIW-08	10/08/14							Y	
GIW-08	10/09/14	12.1	61.6	3.1	23.2	60.8	-21.34	Y	
GIW-08	10/10/14							Y	
GIW-08	10/13/14	4.1	66.8	2.9	26.2	70.7	-17.44	Y	
GIW-08	10/14/14							Y	
GIW-08	10/15/14	6.2	35.9	9.4	48.5	58	-15	N	(1" rod seal needs replaced)
GIW-08	10/16/14	11.3	37.4	8.1	43.2	67	-14.3	N	(1" rod seal needs replaced)
GIW-08	10/17/14	15.3	48.2	6	30.5	65	-13.9	N	(1" rod seal needs replaced)
GIW-08	10/20/14	10.8	43.7	7.6	37.9	64	-14.1	N	(Replaced four way valve, pump's operational)
GIW-08	10/21/14	21.1	62.9	1.9	14.1	65	-15.3	Y	
GIW-08	10/22/14	19.2	59.7	3.8	17.3	67	-14	N	(1" rod seal needs replaced)
GIW-08	10/23/14	16.3	63.8	3.2	16.7	52	-13.5	N	(1" rod seal needs replaced, pump's operational)
GIW-08	10/24/14	15.4	42.3	8.6	33.7	81	-14.5	Y	Increased vac to -15
GIW-08	10/27/14	17	59.3	3.5	20.2	83	-14.1	N	(replaced 1" rod seal, pump operational)
GIW-08	10/28/14	23.1	63.5	1.9	11.5	62	-15.5	Y	
GIW-08	10/29/14	35.5	55	2.1	7.4	62	-14.7	Y	
GIW-08	10/30/14	18.7	53.1	3.8	24.4	72	-13	Y	
GIW-08	10/31/14	11.9	43.1	6	39	50	-12.9	Y	

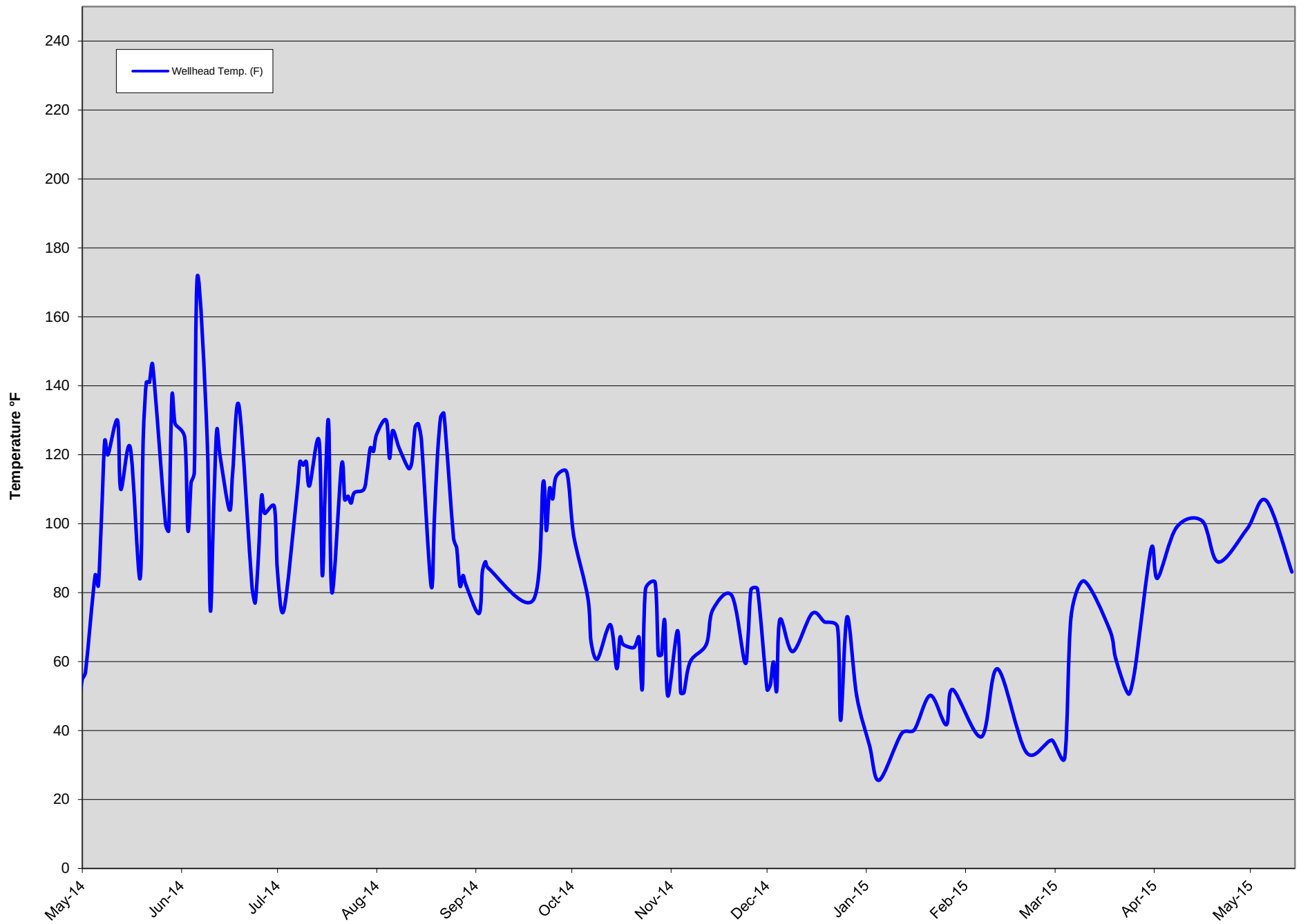
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	11/03/14	19.5	50.3	6	24.2	69	-11.6	Y	
GIW-08	11/04/14	24	61.6	2.4	12	51	-11.2	Y	
GIW-08	11/05/14	23.5	46.4	2.8	27.3	51	-11.9	Y	
GIW-08	11/06/14							Y	
GIW-08	11/07/14	12	32.4	9.9	45.7	60	-11.9	Y	
GIW-08	11/10/14							Y	
GIW-08	11/11/14							N	(replaced 1" rod seal and 1 1/4" gasket cam, pump operational)
GIW-08	11/12/14	25.5	67.5	0	7	65	-10.2	Y	Increased vac to -10.7
GIW-08	11/13/14							N	(Replaced four way valve, pump operational)
GIW-08	11/14/14	24.4	69	0	6.6	75	-8.6	Y	
GIW-08	11/17/14							Y	
GIW-08	11/18/14							Y	
GIW-08	11/19/14							Y	
GIW-08	11/20/14	23.4	55.8	0.1	20.7	79.1	-6.78	Y	
GIW-08	11/21/14							Y	
GIW-08	11/24/14	15.2	63	0.3	21.5	59.9	-9.04	Y	
GIW-08	11/25/14	23.3	59	0	17.7	66.4	-8.55	Y	
GIW-08	11/26/14	22.3	72.9	0	4.8	81	-8	Y	
GIW-08	11/27/14								
GIW-08	11/28/14	19.4	72.6	0	8	81	-5.6	Y	
GIW-08	12/01/14	22.2	51.5	0	26.3	51.9	-6.23	Y	
GIW-08	12/02/14	25.5	54.4	0	20.1	53.2	-5.8	Y	
GIW-08	12/03/14	20.5	53.8	0	25.7	59.9	-4.04	N	(Replaced cylinder head - pump operational)
GIW-08	12/04/14	16.4	64.9	0.6	18.1	51.5	-4.63	Y	
GIW-08	12/05/14	15.2	64.1	0	20.7	72.2	-4.84	Y	
GIW-08	12/08/14							Y	
GIW-08	12/09/14	19.2	61.8	0	19	62.9	-4.12	Y	Increased vac to -4.58
GIW-08	12/10/14							N	(Replaced four way air vavle - pump operational)
GIW-08	12/11/14							Y	
GIW-08	12/12/14							Y	
GIW-08	12/15/14	9.7	65	0.3	25	73.9	-6.47	Y	
GIW-08	12/16/14							Y	
GIW-08	12/17/14							Y	
GIW-08	12/18/14							Y	
GIW-08	12/19/14	7.7	71.2	0.3	20.8	71.5	-6.84	Y	
GIW-08	12/22/14							Y	
GIW-08	12/23/14	2.9	78.8	1.5	16.8	70	-9.4	Y	
GIW-08	12/24/14	2.9	71.8	2.7	22.6	43	-12.9		
GIW-08	12/25/14								
GIW-08	12/26/14	8	75.5	1.1	15.4	73	-12.7	Y	
GIW-08	12/29/14	16.2	61.6	1.2	21	50.1	-14.1		
GIW-08	12/30/14							N	(Replaced 1" rod seal - pump operational)
GIW-08	12/31/14								
GIW-08	01/01/15								
GIW-08	01/02/15	1.9	38	13.2	46.9	35.7	-12.21		

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	01/05/15	4.4	40	12.4	43.2	25.6	-12.21		
GIW-08	01/06/15								
GIW-08	01/07/15								
GIW-08	01/08/15								
GIW-08	01/09/15								
GIW-08	01/12/15	20.7	62.2	0.5	16.6	39.1	-10.2	Y	
GIW-08	01/13/15							Y	
GIW-08	01/14/15							Y	
GIW-08	01/15/15							Y	
GIW-08	01/16/15	3.3	45.3	8.8	42.6	40.2	-8.24	Y	(Replaced 1" rod seal - pump operational)
GIW-08	01/19/15							Y	
GIW-08	01/20/15							Y	
GIW-08	01/21/15	1.3	35.1	13.1	50.5	50.2	-9.77	Y	Increased vac to -9.83
GIW-08	01/22/15							N	(Replaced 1" rod seal - pump operational)
GIW-08	01/23/15							Y	(Replaced 1" rod seal - pump operational)
GIW-08	01/26/15	18.2	68.6	0.1	13.1	41.7	-6.35	Y	
GIW-08	01/27/15							Y	
GIW-08	01/28/15	21.7	62	0.2	16.1	51.9	-6.11	Y	
GIW-08	01/29/15							Y	
GIW-08	01/30/15							Y	(Replaced 1" rod seal - pump operational)
GIW-08	02/02/15								
GIW-08	02/03/15							Y	
GIW-08	02/04/15							Y	
GIW-08	02/05/15							Y	
GIW-08	02/06/15	19.4	65.8	0	14.8	38.2	-0.56	Y	
GIW-08	02/09/15							Y	
GIW-08	02/10/15							Y	
GIW-08	02/11/15	23.7	61.6	0	14.7	57.9	-6.78	Y	
GIW-08	02/12/15							Y	
GIW-08	02/13/15							Y	
GIW-08	02/16/15							Y	
GIW-08	02/17/15							Y	
GIW-08	02/18/15							Y	
GIW-08	02/19/15							Y	
GIW-08	02/20/15	23.9	61.5	0.5	14.1	33.7	-10.68	Y	
GIW-08	02/23/15							Y	
GIW-08	02/24/15							Y	
GIW-08	02/25/15							Y	
GIW-08	02/26/15							Y	
GIW-08	02/27/15							Y	(Changed memolube)
GIW-08	02/28/15	22.8	53.9	1.5	21.8	37.2	-16.28	Y	
GIW-08	03/01/15							Y	
GIW-08	03/02/15							Y	
GIW-08	03/03/15							Y	
GIW-08	03/04/15	21.7	56	2.1	20.2	32.1	-22.47	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	03/05/15							Y	
GIW-08	03/06/15	3.4	30.6	17.2	48.8	73.1	-8.73	Y	
GIW-08	03/07/15							Y	
GIW-08	03/08/15							Y	
GIW-08	03/09/15							Y	
GIW-08	03/10/15	24.5	62.7	0.3	12.5	83.4	-7.26	N	(Replaced 1" rod seal - pump operational)
GIW-08	03/11/15							Y	
GIW-08	03/12/15							Y	
GIW-08	03/13/15							Y	
GIW-08	03/14/15							Y	
GIW-08	03/15/15							Y	
GIW-08	03/16/15							Y	
GIW-08	03/17/15							Y	
GIW-08	03/18/15	24.7	59.2	0.4	15.7	69.4	-10.01	Y	
GIW-08	03/19/15							Y	
GIW-08	03/20/15	19.2	63.3	1	16.5	60.7	-11.84	Y	
GIW-08	03/21/15							N	(Replaced 1" rod seal - pump operational)
GIW-08	03/22/15							Y	
GIW-08	03/23/15							Y	
GIW-08	03/24/15	28.8	52.9	1.1	17.2	50.6	-13.19	Y	
GIW-08	03/25/15							Y	
GIW-08	03/26/15	27.6	57.5	0.6	14.3	58	-9.22	Y	
GIW-08	03/27/15							Y	
GIW-08	03/28/15							Y	
GIW-08	03/29/15							Y	
GIW-08	03/30/15							Y	
GIW-08	03/31/15	25.3	58.6	0.9	15.2	92.7	-8.91	Y	
GIW-08	04/01/15							Y	
GIW-08	04/02/15	24.6	61.7	0.3	13.4	84.2	-6.35	Y	
GIW-08	04/03/15							Y	
GIW-08	04/04/15							Y	
GIW-08	04/05/15							Y	
GIW-08	04/06/15							Y	
GIW-08	04/07/15							Y	
GIW-08	04/08/15	25	61.5	0.2	13.3	99	-5.37	Y	
GIW-08	04/09/15							Y	
GIW-08	04/10/15							Y	
GIW-08	04/11/15							Y	
GIW-08	04/12/15							Y	
GIW-08	04/13/15							Y	
GIW-08	04/14/15							Y	
GIW-08	04/15/15							Y	
GIW-08	04/16/15	27.7	58.4	0.2	13.7	100.8	-4.7	Y	
GIW-08	04/17/15							Y	
GIW-08	04/18/15							Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-08	04/19/15							Y	
GIW-08	04/20/15							Y	
GIW-08	04/21/15	26.4	58.6	0.2	14.8	88.9	-6.35	Y	
GIW-08	04/22/15							Y	
GIW-08	04/23/15							Y	
GIW-08	04/24/15							Y	
GIW-08	04/25/15							Y	
GIW-08	04/26/15							Y	
GIW-08	04/27/15							Y	
GIW-08	04/28/15							Y	
GIW-08	04/29/15							Y	
GIW-08	04/30/15	24.1	64.5	0	11.4	98.5	-6.95	Y	
GIW-08	05/01/15							Y	
GIW-08	05/02/15							Y	
GIW-08	05/03/15							Y	
GIW-08	05/04/15							Y	
GIW-08	05/05/15							Y	
GIW-08	05/06/15	23.3	60.6	0	16.1	106.7	-4.27	Y	
GIW-08	05/07/15							Y	
GIW-08	05/08/15							Y	
GIW-08	05/09/15							Y	
GIW-08	05/10/15							Y	
GIW-08	05/11/15							Y	
GIW-08	05/12/15							Y	
GIW-08	05/13/15							Y	
GIW-08	05/14/15	24.5	72.2	0	3.3	86	-5.5	Y	
GIW-08	05/15/15							Y	

GIW-8 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	01/01/14	1	73.2	0	25.8	121	-9.2	NA	Reduced vac to -8.7 inches
GIW-09	01/03/14	4.9	61.4	0	33.7	147	-10.7	Y	Reduced vac to -5.9 inches
GIW-09	01/13/14	0.2	79.6	0	20.2	134	1.8	Y	Increased vac to -2.4 inches
GIW-09	01/15/14	0.1	80.2	0	19.7	144	10.5	Y	Increased vac to -2.3 inches (pump eval on 16th)
GIW-09	01/17/14	0.2	79.1	0	20.7	139	-3	Y	
GIW-09	01/20/14	0.2	81.1	0	18.7	142	-3.5	Y	
GIW-09	01/22/14	0.2	80	0	19.8	131	-11.3	Y	Decreased vac to -4.7 inches
GIW-09	01/24/14	0.2	76.4	0	23.4	112	-4.5	Y	
GIW-09	01/27/14	0.2	79	0	20.8	122	-4.9	Y	
GIW-09	01/29/14	0.2	75.5	0	24.3	133	-4.6	N	Jetted and 1 new line set
GIW-09	02/03/14	1.2	75.9	0	22.9	136	-4.6	N	Needs jetted
GIW-09	02/05/14	0.4	78.3	0	21.3	112	-3.9	N	Well jetted out
GIW-09	02/07/14	0.4	77.1	0.1	22.4	150	-3.7	N	(Needs new foot valve and rod)
GIW-09	02/10/14	0.3	77	0.3	22.4	142	-4.3	N	Needs new rod
GIW-09	02/12/14	0.4	78.9	0	20.7	120	-4.6	N	Replaced HD piping and fiberglass rod
GIW-09	02/14/14	0.4	77	0	22.6	136	-10.8	Y	Decreased vac to -9.2 inches
GIW-09	02/17/14	0.8	78.7	0	20.5	139	-14.4	Y	Decreased vac to -10.6 inches
GIW-09	02/19/14	0.6	77.9	0	21.5	167	7.8	N	Increased vac to -0.2 inches (replaced air nipple)
GIW-09	02/21/14	0.9	76	0	23.1	163	-7.3	Y	Decreased vac to -5.5 inches
GIW-09	02/24/14	1.2	77	0	21.8	165	-3.2	Y	Increased vac to -3.9 inches
GIW-09	02/26/14	0.6	78.4	0	21	165	9.8	N	Needs piston
GIW-09	02/28/14	0.5	77.2	0.1	22.2	150	-24.3	Y	Decreased vac to -23.8 inches
GIW-09	03/03/14	0.4	80.4	0	19.2	152	-24.3	Y	Decreased vac to -22.5 inches
GIW-09	03/05/14	0.6	80.3	0	19.1	170	-23.4	Y	Decreased vac to -20 inches
GIW-09	03/07/14	0.4	80.7	0	18.9	173	-18.7	Y	Decreased vac to -16.6 inches
GIW-09	03/10/14	0.5	78.7	0	20.8	172	-21.1	Y	Decreased vac to -19.1 inches
GIW-09	03/12/14	0.7	78.4	0	20.9	152	-19.6	Y	Decreased vac to -14.1 inches
GIW-09	03/14/14	0.5	78.6	0	20.9	170	-8.4	Y	Decreased vac to -7.0 inches
GIW-09	03/17/14	0.3	75.5	1	23.2	163	-10.6	N	Decreased vac to -8.6 inches (replaced 1" rod seal)
GIW-09	03/19/14	0.6	81.5	0	17.9	168	4.7	Y	Increased vac to -0.5 inches
GIW-09	03/20/14	0.5	77.2	0	22.3	176	11.2	Y	Increased vac to -0.5 inches
GIW-09	03/24/14	0.4	78.1	0	21.5	177	-9.7	N	Decreased vac to -3.6 inches (replaced 1" rod seal)
GIW-09	03/26/14	0.7	79.9	0	19.4	176	6.8	N	Increased vac to -0.4 inches (replaced four-way valve-pump operational)
GIW-09	03/28/14	0.7	77	0	22.3	181	14.7	Y	Increased vac to -0.1 inches
GIW-09	03/31/14	0.7	77.9	0	21.4	179	-5.2	Y	
GIW-09	04/02/14	1.4	76.4	0	22.2	177	-4	Y	
GIW-09	04/03/14	0.4	77.4	0.1	22.1	160	-9.4	Y	Decreased vac to -8.4 inches
GIW-09	04/05/14	1.5	78	0	20.5	180	-4.7	na	
GIW-09	04/07/14	0.5	76.8	0.2	22.5	196	-6.9	Y	Decreased vac to -6.2 inches
GIW-09	04/08/14	0.6	76.5	0.3	22.6	178	-7.7	Y	Decreased vac to -5.4 inches
GIW-09	04/09/14	1.5	77.2	0	21.3	180	-4.5	Y	
GIW-09	04/10/14	0.5	77.5	0	22	183	-4.1	na	
GIW-09	04/11/14	0.5	76.5	0	23	182	-4.4	na	
GIW-09	04/14/14	0.7	78.5	0	20.8	177	-4.3	Y	
GIW-09	04/15/14	1.5	75.3	0	23.2	181	-3.9	N	(blown seal)
GIW-09	04/16/14	1	78.7	0	20.3	180	-4.5	N	(blown seal)
GIW-09	04/17/14	2.5	74.3	0	23.2	185	4.3	N	(blown seal)
GIW-09	04/18/14	1.1	76.2	0	22.7	188	-4.5	na	
GIW-09	04/21/14	1.2	76.6	0	22.2	184	-4.7	Y	
GIW-09	04/22/14	1.8	75.5	0	22.7	185	-4.6	Y	
GIW-09	04/23/14	1.1	77.2	0	21.7	184	-4.9	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	04/24/14	0.7	77.6	0	21.7	185	0.5	Y	increased vac to -0.6 inches
GIW-09	04/25/14	1	76.5	0	22.5	187	-1	Y	increased vac to -1.5 inches
GIW-09	04/28/14	0.8	78.1	0	21.1	184	-4.8	Y	
GIW-09	04/29/14	0.7	78.8	0	20.5	183	6.3	N	increased vac to -0.6 inches (adjusted 4 way valve)
GIW-09	04/30/14	1.8	75.6	0	22.6	184	-8.6	Y	decreased vac to -6.9 inches
GIW-09	05/01/14	0.9	77.7	0	21.4	184	-6.3	na	decreased vac to -5.9 inches
GIW-09	05/02/14	1.1	77.7	0	21.2	185	-4	Y	
GIW-09	05/05/14	2.1	76.5	0	21.4	189	2.5	Y	increased vac to -0.4 inches
GIW-09	05/06/14	2.8	73.1	0	24.1	188	-0.1	Y	increased vac to -1.3 inches
GIW-09	05/07/14	2.8	72.5	0	24.7	189	-5	Y	
GIW-09	05/08/14	0.6	77	0	22.4	187	-7.3	Y	decreased vac to -6.1 inches
GIW-09	05/09/14	1.4	75.2	0	23.4	185	-7.1	Y	decreased vac to -5.9 inches
GIW-09	05/12/14	1.1	75.9	0	23	188	1.1	Y	increased vac to -1.5 inches
GIW-09	05/13/14	1.6	74.6	0	23.8	188	-1.2	Y	increased vac to -3.4 inches
GIW-09	05/16/14	1	75.4	0	23.6	186	-4.1	N	pump needs pulled for troubleshooting (evaluation on the 15th)
GIW-09	05/19/14	2.4	73.5	0	24.1	188	5	N	decreased vac to -0.3 inches (pumps needs evaluation)
GIW-09	05/20/14	0.6	75.7	0	23.7	189	2.5	na	Increased vac to -0.5 inches
GIW-09	05/21/14	1.2	73.6	0	25.2	190	-0.8	N	increased vac to -1.7 inches (bad footvalve)
GIW-09	05/22/14	0.9	74.5	0	24.6	192	-0.1	N	increased vac to -1.9 inches (bad footvalve)
GIW-09	05/23/14	0.7	77.6	0	21.7	192	-4.9	na	
GIW-09	05/27/14	1.4	74	0	24.6	194	11.8	na	Increased vac to -1 inches
GIW-09	05/28/14	0.7	69.6	0	29.7	192	-6.2	Y	Decreased vac to -5.7 inches (bad foot valve)
GIW-09	05/29/14	1.3	72.8	0	25.9	192	2.1	Y	Increased vac to -1.2 inches (bad foot valve)
GIW-09	05/30/14	0.9	73.9	0	25.2	194	7.2	na	Increased vac to -0.3 inches
GIW-09	06/02/14	0.4	77	0	22.6	191	-8.6	Y	Decreased vac to -7.3 inches (bad foot valve)
GIW-09	06/03/14	1.7	71.8	0	26.5	193	-1.1	Y	Increased vac to -1.4 inches (bad foot valve)
GIW-09	06/04/14	0.5	75.2	0	24.3	192	-4.1	Y	(bad footvalve)
GIW-09	06/05/14	4	65.1	0	30.9	192	-2.4	Y	Increased vac to -4 inches (bad footvalve)
GIW-09	06/06/14	0.5	74.8	0	24.7	193	-1.6	Y	Increased vac to -2.8 inches (footvalve needs replaced)
GIW-09	06/09/14	0.6	75.7	0	23.7	192	-6.3	Y	Increased vac to -6.6 inches (footvalve needs replaced)
GIW-09	06/10/14	2.8	64.5	0	32.7	192	-4.6	na	
GIW-09	06/11/14	1	73.4	0	25.6	190	-11.1	Y	Decreased vac to -10.2 inches (footvalve needs replaced)
GIW-09	06/12/14	0.9	75.7	0	23.4	190	-10.8	Y	Decreased vac to -9.7 inches (footvalve needs replaced)
GIW-09	06/13/14	0.5	75	0	24.5	192	-8.8	Y	Decreased vac to -8.2 inches
GIW-09	06/16/14	1.3	74.4	0	24.3	191	-13.5	Y	Decreased vac to -12.1 (footvalve needs replaced)
GIW-09	06/17/14	0.6	75.2	0	24.2	191	-8.6	Y	Decreased vac to -7.6
GIW-09	06/19/14	1	72.5	0	26.5	192	-7.4	Y	Decreased vac to -6.8 (replaced footvalve, pump moving liquid)
GIW-09	06/23/14	0.7	74.9	0	24.4	194	4.3	Y	Increased vac to -0.1
GIW-09	06/24/14	0.9	71.6	0	27.5	193	-3.8	Y	
GIW-09	06/25/14	0.4	74	0	25.6	193	-2.1	Y	Increased vac -3.6
GIW-09	06/26/14	0.9	74.6	0	24.5	194	2.2	Y	Increased vac to -3.6
GIW-09	06/27/14	0.5	73.6	0	25.9	193	-9.6	Y	Decreased vac to -8
GIW-09	06/30/14	0.4	74.1	0	25.5	195	4.5	NA	Increased vac to -2.5
GIW-09	07/01/14							NA	No data
GIW-09	07/03/14							NA	No data
GIW-09	07/07/14	0.7	76.3	0	23	192	-14.9	Y	Decreased vac to -13.8 (piston needs replaced)
GIW-09	07/08/14	3	75.5	0	21.5	193	-12.5	Y	Decreased vac to -12.2 (piston needs replaced)
GIW-09	07/09/14	0.4	73.9	0	25.7	192	-11.9	Y	Decreased vac to -10.3 (piston needs replaced)
GIW-09	07/10/14	0.6	68.4	1.2	29.8	194	-12.7	Y	Decreased vac to -11.3 (refilled memo and 4-way oil, piston needs replaced)
GIW-09	07/11/14	0.4	73.5	0	26.1	193	-8.7	Y	Decreased vac to -6 (piston needs replaced)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	07/14/14	0.4	72.2	0	27.4	193	-11.2	Y	
GIW-09	07/15/14	0.6	74.7	0	24.7	191	-13.7	Y	Decreased vac to -10.2 (piston needs replaced)
GIW-09	07/16/14	0.4	74.8	0.2	24.6	192	-11.9	Y	Decreased vac to -11 (piston needs replaced)
GIW-09	07/17/14	0.7	76.5	0	22.8	194	-11.2	Y	Increased vac to -11.2 (piston needs replaced)
GIW-09	07/18/14	0.3	60	4.8	34.9	193	-10.3	Y	Decreased vac to -9.9 (piston needs replaced)
GIW-09	07/21/14	1.1	74.5	0	24.4	194	-9.2	Y	Decreased vac to -6.7 (replaced pison, pump moving liquid)
GIW-09	07/22/14	0.4	75.9	0	23.7	193	-5.1	Y	
GIW-09	07/23/14	2.1	73.6	0	24.3	194	-7.7	Y	Decreased vac to -6.5
GIW-09	07/24/14	0.4	74.1	0	25.5	193	-4.3	Y	
GIW-09	07/25/14	0.5	75.6	0	23.9	194	-4.3	Y	
GIW-09	07/28/14	0.4	74.8	0	24.8	191	-9.5	Y	Decreased vac to -8.8
GIW-09	07/29/14	0.4	74.5	0	25.1	193	-10.4	Y	Decreased vac to -8.4
GIW-09	07/30/14	0.3	75.6	0	24.1	193	-10.4	Y	Decreased vac to -8.5
GIW-09	07/31/14	0.7	72	0	27.3	192	-4.8	Y	
GIW-09	08/01/14	0.5	73.8	0	25.7	192	-4.5	Y	
GIW-09	08/04/14	0.5	72.5	0	27	193	-4.7	Y	
GIW-09	08/05/14							Y	
GIW-09	08/06/14	0.4	76.4	0	23.2	192	-4.4	Y	
GIW-09	08/07/14							Y	
GIW-09	08/08/14	1	76.5	0	22.5	191	-4.1	Y	
GIW-09	08/11/14	0.4	76.2	0	23.4	192	-4.5	Y	
GIW-09	08/12/14	0.4	75.9	0	23.7	191	-4.7	Y	
GIW-09	08/13/14	0.4	75.1	0	24.5	192	-4.8	Y	
GIW-09	08/14/14	0.4	75.6	0	24	193	-4.1	Y	
GIW-09	08/15/14	0.4	74.9	0	24.7	195	-4.3	Y	
GIW-09	08/18/14	0.4	75.5	0	24.1	193	-4.7	Y	
GIW-09	08/19/14	0.5	73.9	0	25.6	192	-10.1	Y	Decreased vac to -7.7
GIW-09	08/20/14	0.3	73.9	0	25.8	193	-4	Y	
GIW-09	08/21/14	0.4	73.1	0	26.5	194	-4.3	Y	
GIW-09	08/22/14	0.3	74.2	0	25.5	195	-4.1	Y	
GIW-09	08/25/14	0.4	75.2	0	24.4	194	-4.7	Y	
GIW-09	08/26/14	0.3	74.7	0	25	192	-4.6	Y	
GIW-09	08/27/14	0.4	74.5	0	25.1	193	-4.6	Y	
GIW-09	08/28/14	0.4	74.8	0	24.8	194	-4.3	Y	
GIW-09	08/29/14	0.3	74.5	0	25.2	192	-4	Y	
GIW-09	09/01/14							Y	
GIW-09	09/02/14	0.3	76.5	0	23.2	192	-4	N	(1" rod seal needs to be replaced)
GIW-09	09/03/14	0.3	74.6	0	25.1	193	-4.3	N	(1" rod seal needs to be replaced)
GIW-09	09/04/14	0.2	77	0	22.8	190	-4.4	N	(1" rod seal needs to be replaced)
GIW-09	09/05/14	0.3	74.8	0	24.9	191	-4.2	N	(replaced 1" rod seal, pump operational)
GIW-09	09/08/14							NA	(Not Available due to safe access conditions)
GIW-09	09/09/14							NA	(Not Available due to safe access conditions)
GIW-09	09/10/14							NA	(Not Available due to safe access conditions)
GIW-09	09/11/14							NA	(Not Available due to safe access conditions)
GIW-09	09/12/14							NA	(Not Available due to safe access conditions)
GIW-09	09/15/14							Y	
GIW-09	09/16/14							Y	(hole in HD piping, needs to be pulled and fixed)
GIW-09	09/17/14							Y	(hole in HD piping)
GIW-09	09/18/14							Y	(hole in HD piping)
GIW-09	09/19/14	0.5	74.6	0	24.9	193	-8.8	Y	(hole in HD piping)
GIW-09	09/22/14	2.8	66.7	0	30.5	191	-6.9	Y	(hole in HD piping)

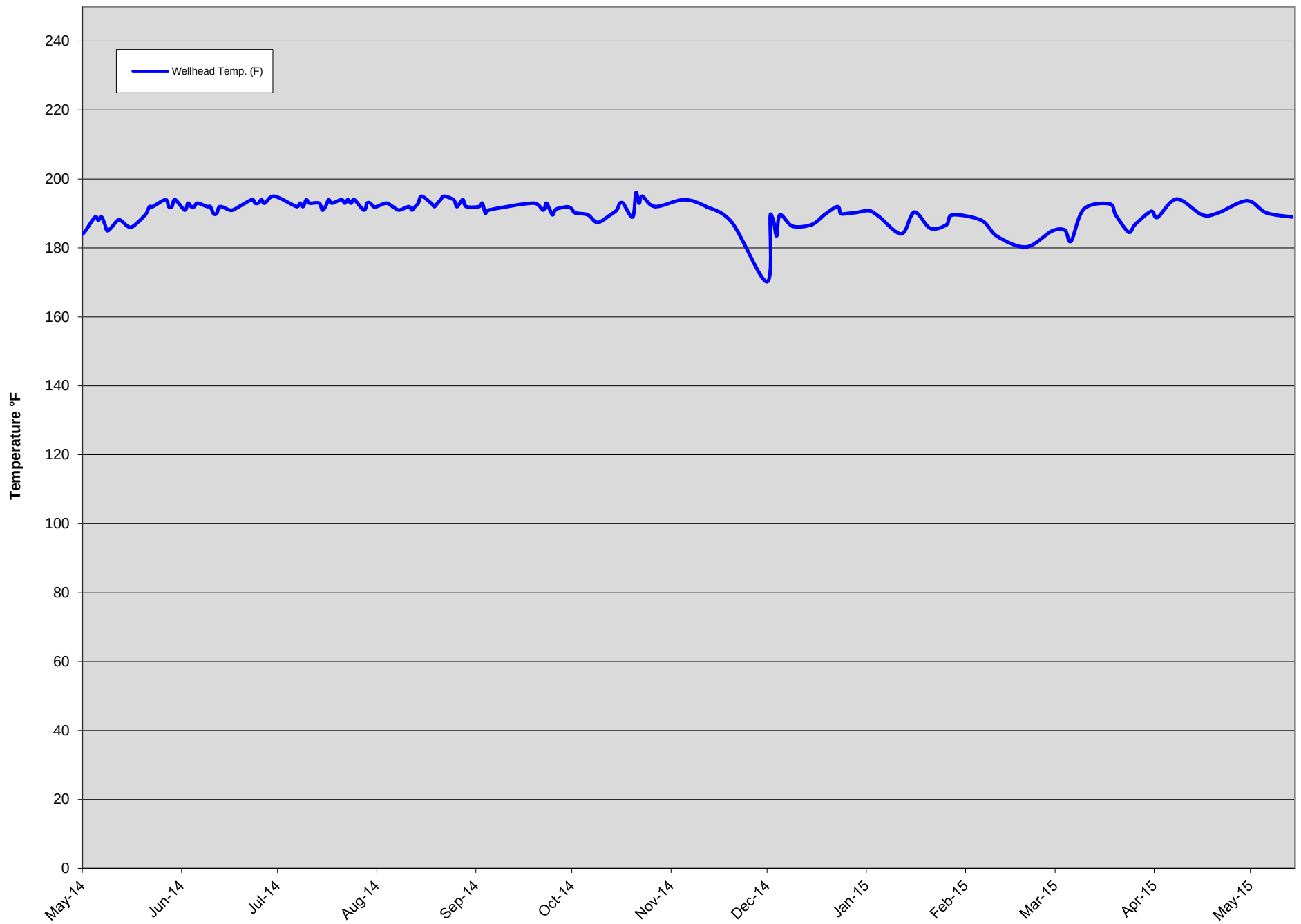
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	09/23/14	1	74.9	0	24.1	193	-4	Y	(hole in HD piping)
GIW-09	09/24/14	3	85.6	0.4	11	191.3	-5.17	Y	(hole in HD piping)
GIW-09	09/25/14	2.8	65.5	0.2	31.5	189.6	-20.88	Y	Decreased vac to -16.54 (pulled pump and setup)
GIW-09	09/26/14	0.6	67.1	0.4	31.9	191.2	-4.46	N	(replaced HD piping, fiberglass rod, foot valve, 1" rod seal and CAM setup - pump operational)
GIW-09	09/29/14	3.7	67.4	0.3	28.6	191.9	-4.4	Y	Increased vac to -4.49
GIW-09	09/30/14	2.3	66.5	0.1	31.1	191.9	-4.28	Y	
GIW-09	10/01/14	2.4	63.2	0.2	34.2	191.3	-4.9	Y	
GIW-09	10/02/14	2.6	66.4	0	31	190.2	-4.68	Y	
GIW-09	10/03/14							Y	
GIW-09	10/06/14	0.8	67.4	0	31.8	189.6	-4.7	Y	Decreased vac to -4.37
GIW-09	10/07/14							Y	
GIW-09	10/08/14							Y	
GIW-09	10/09/14	0.6	64.7	0	34.7	187.4	-4.44	Y	
GIW-09	10/10/14							Y	
GIW-09	10/13/14	0	56.4	0	43.6	189.6	-4.25	Y	
GIW-09	10/14/14							Y	
GIW-09	10/15/14	0.7	75.6	0	23.7	191	-4.7	Y	
GIW-09	10/16/14	0.9	74.9	0	24.2	193	-4.1	Y	
GIW-09	10/17/14	0.5	75.7	0	23.8	193	-4.2	Y	
GIW-09	10/20/14	0.5	72.6	0.1	26.8	189	-12.2	Y	Decreased vac to -7.2
GIW-09	10/21/14	0.9	73.6	0	25.5	196	-4.9	Y	
GIW-09	10/22/14	0.4	73.9	0	25.7	193	-4.1	N	(HD piping needs pulled and replaced due to a hole in the HD)
GIW-09	10/23/14	0.8	75.7	0	23.5	195	27	N	Increased vac to -0.9 (HD piping needs pulled and replaced due to a hole in the HD)
GIW-09	10/24/14							N	(HD piping needs pulled and replaced due to a hole in the HD)
GIW-09	10/27/14	0.8	71.6	0	27.6	192	-10.2	N	Decreased vac to -9 (Hole in HD piping, unable to repair due to conditions)
GIW-09	10/28/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	10/29/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	10/30/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	10/31/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/03/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/04/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/05/14	1.3	74	0	24.7	194	-11.3	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/06/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/07/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/10/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/11/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/12/14	0.8	76.8	0	22.4	192	-9	N	Increased vac to -9.8 (Hole in HD piping, unable to repair due to conditions)
GIW-09	11/13/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/14/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/17/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/18/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/19/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/20/14	3.4	59.6	0	37	187.4	-4.91	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/21/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/24/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/25/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/26/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	11/27/14								
GIW-09	11/28/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/01/14	5.9	47.6	0	46.5	170.2	-4.97	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/02/14	2	65.9	0	32.1	189.6	-0.23	N	(Hole in HD piping, unable to repair due to conditions)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	12/03/14	1.2	60.9	0	37.9	187.9	-4.61	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/04/14	1.3	50.5	0	48.2	183.5	-9.58	N	Decreased vac to -7.02 (Hole in HD piping, unable to repair due to conditons)
GIW-09	12/05/14	1.6	65.3	0	33.1	189.6	-4.71	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/08/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/09/14	0.7	65.5	0	33.8	186.3	-4.48	N	Increased vac to -4.52 (Hole in HD piping, unable to repair due to conditions)
GIW-09	12/10/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/11/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/12/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/15/14	0.3	64.7	0	35	186.8	-4.88	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/16/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/17/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/18/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/19/14	0.3	64	0.1	35.6	189.7	-4.6	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/22/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/23/14	0.6	78.5	0	20.9	192	-6	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/24/14	0.8	81.3	0.6	17.3	190	-4.8		
GIW-09	12/25/14								
GIW-09	12/26/14	0.9	74.7	0	24.4	190	-12.7	N	Decreased vac to -8.1 (Hole in HD piping, unable to repair due to conditions)
GIW-09	12/29/14	3.7	53.4	0.1	42.8	190.3	-4.15	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/30/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	12/31/14							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/01/15							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/02/15	1.2	50.7	0.5	47.6	190.8	-4.64	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/05/15	2.4	55.4	0.4	41.8	189.1	-4.75		
GIW-09	01/06/15								
GIW-09	01/07/15								
GIW-09	01/08/15								
GIW-09	01/09/15								
GIW-09	01/12/15	3.3	59.9	0	36.8	184.1	-0.13	N	Increased vac to -7.75 (Hole in HD piping, unable to repair due to conditions)
GIW-09	01/13/15							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/14/15							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/15/15							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/16/15	1	64.9	0	34.1	190.4	-4.46	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/19/15							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/20/15							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/21/15	0.6	65.4	0	34	185.7	-4.69	N	Decreased vac to -4.5 (Hole in HD piping, unable to repair due to conditions)
GIW-09	01/22/15							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/23/15							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/26/15	0.7	63	0.1	36.2	186.7	-4.94	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/27/15							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/28/15	3.4	66.3	0.1	30.2	189.6	-3.92	N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/29/15							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	01/30/15							N	(Hole in HD piping, unable to repair due to conditions)
GIW-09	02/02/15							N/A	(Well is Artesian)
GIW-09	02/03/15							N/A	(Well is Artesian)
GIW-09	02/04/15							N/A	(Well is Artesian)
GIW-09	02/05/15							N/A	(Well is Artesian)
GIW-09	02/06/15	0.6	62	0	37.4	188	1.31	N/A	(Well is Artesian)
GIW-09	02/09/15							N/A	(Well is Artesian)
GIW-09	02/10/15							N/A	(Well is Artesian)
GIW-09	02/11/15	2.1	60.5	0	37.4	183.3	-6.9	N/A	Increased vac to -7.81 (Well is Artesian)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	02/12/15							N/A	(Well is Artesian)
GIW-09	02/13/15							N/A	(Well is Artesian)
GIW-09	02/16/15							N/A	(Well is Artesian)
GIW-09	02/17/15							N/A	(Well is Artesian)
GIW-09	02/18/15							N/A	(Well is Artesian)
GIW-09	02/19/15							N/A	(Well is Artesian)
GIW-09	02/20/15	2.5	64.5	0	33	180.3	-10.5	N/A	Decreased vac to -9.04 (Well is Artesian)
GIW-09	02/23/15							N/A	(Well is Artesian)
GIW-09	02/24/15							N/A	(Well is Artesian)
GIW-09	02/25/15							N/A	(Well is Artesian)
GIW-09	02/26/15							N/A	(Well is Artesian)
GIW-09	02/27/15							N/A	(Well is Artesian)
GIW-09	02/28/15	1	63.7	0	35.3	184.9	-7.74	N/A	Decreased vac to -5.85 (Well is Artesian)
GIW-09	03/01/15							N/A	
GIW-09	03/02/15							N/A	
GIW-09	03/03/15							N/A	
GIW-09	03/04/15	1.1	65.7	0	33.2	185.2	-27.84	N/A	Decreased vac to -26.31
GIW-09	03/05/15							N/A	
GIW-09	03/06/15	1.1	47.9	0.3	50.7	182	-19.23	N/A	Decreased vac to -18.01
GIW-09	03/07/15							N/A	
GIW-09	03/08/15							N/A	
GIW-09	03/09/15							N/A	
GIW-09	03/10/15	0.9	66.8	0.1	32.2	191.3	-13.19	N/A	
GIW-09	03/11/15							N/A	
GIW-09	03/12/15							N/A	
GIW-09	03/13/15							N/A	
GIW-09	03/14/15							N/A	
GIW-09	03/15/15							N/A	
GIW-09	03/16/15							N/A	
GIW-09	03/17/15							N/A	
GIW-09	03/18/15	1.5	66.1	0	32.4	192.8	-11.29	N/A	Decreased vac to -8.67
GIW-09	03/19/15							N/A	
GIW-09	03/20/15	1.3	65.1	0	33.6	189.5	-15.32	N/A	
GIW-09	03/21/15							N/A	
GIW-09	03/22/15							N/A	
GIW-09	03/23/15							N/A	
GIW-09	03/24/15	2.8	66.1	0	31.1	184.6	-16.61	N/A	Decreased vac to -15.63
GIW-09	03/25/15							N/A	
GIW-09	03/26/15	1.1	65.4	0	33.5	186.8	-13.68	N/A	Decreased vac to -10.68
GIW-09	03/27/15							N/A	
GIW-09	03/28/15							N/A	
GIW-09	03/29/15							N/A	
GIW-09	03/30/15							N/A	
GIW-09	03/31/15	1.8	66.5	0	31.7	190.6	-15.81	N/A	Decreased vac to -12.39
GIW-09	04/01/15							N/A	
GIW-09	04/02/15	1.3	65.9	0	32.8	188.9	-8.49	N/A	Decreased vac to -7.75
GIW-09	04/03/15							N/A	
GIW-09	04/04/15							N/A	
GIW-09	04/05/15							N/A	
GIW-09	04/06/15							N/A	
GIW-09	04/07/15							N/A	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-09	04/08/15	0.8	71.7	0	27.5	194.2	15.2	N/A	Increased vac to -5.86
GIW-09	04/09/15							N/A	
GIW-09	04/10/15							N/A	
GIW-09	04/11/15							N/A	
GIW-09	04/12/15							N/A	
GIW-09	04/13/15							N/A	
GIW-09	04/14/15							N/A	
GIW-09	04/15/15							N/A	
GIW-09	04/16/15	4.2	60.5	0	35.3	189.6	-7.02	N/A	Decreased vac to -6.53
GIW-09	04/17/15							N/A	
GIW-09	04/18/15							N/A	
GIW-09	04/19/15							N/A	
GIW-09	04/20/15							N/A	
GIW-09	04/21/15	1.2	65.1	0	33.7	190.2	-4.88	N/A	
GIW-09	04/22/15							N/A	
GIW-09	04/23/15							N/A	
GIW-09	04/24/15							N/A	
GIW-09	04/25/15							N/A	
GIW-09	04/26/15							N/A	
GIW-09	04/27/15							N/A	
GIW-09	04/28/15							N/A	
GIW-09	04/29/15							N/A	
GIW-09	04/30/15	1	66.9	0	32.1	193.7	-7.26	N/A	
GIW-09	05/01/15							N/A	
GIW-09	05/02/15							N/A	
GIW-09	05/03/15							N/A	
GIW-09	05/04/15							N/A	
GIW-09	05/05/15							N/A	
GIW-09	05/06/15	1	64.8	0	34.2	190.2	-11.77	N/A	Decreased vac to -10.55
GIW-09	05/07/15							N/A	
GIW-09	05/08/15							N/A	
GIW-09	05/09/15							N/A	
GIW-09	05/10/15							N/A	
GIW-09	05/11/15							N/A	
GIW-09	05/12/15							N/A	
GIW-09	05/13/15							N/A	
GIW-09	05/14/15	0.6	79	0	20.4	189	-13.4	N/A	Decreased vac to -12.8
GIW-09	05/15/15							N/A	

GIW-9 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	01/01/14	0.5	76.9	0	22.6	165	-4.1	NA	
GIW-10	01/03/14	0.4	77.9	0	21.7	167	3.1	Y	Increased vac to -1.4 inches
GIW-10	01/13/14	0.2	66.6	0	33.2	181	39.3	Y	Increased vac to -1.1 inches
GIW-10	01/15/14	0.1	67.5	4.8	27.6	160	-12.5	Y	Decreased vac to -1.1 inches (pump eval on 16th)
GIW-10	01/17/14	0.1	84.4	0	15.5	150	-19.3	Y	Decreased vac to -5.1 inches
GIW-10	01/20/14	0.1	86	0	13.9	172	2.8	N	Increased vac to -4.6 inches (replace 1" rod seal)
GIW-10	01/22/14	0.2	85	0	14.8	141	-10.2	Y	Decreased vac to -5.0 inches
GIW-10	01/24/14	0.1	80.6	0	19.3	150	-5.2	Y	
GIW-10	01/27/14	0.2	84	0	15.8	158	-4.9	Y	
GIW-10	01/29/14	0.1	80.2	0	19.7	160	-5	Y	
GIW-10	02/03/14	0.1	81	0	18.9	177	8.7	Y	Increased vac to -0.6 inches
GIW-10	02/05/14	0.3	79.7	0	20	162	-4.9	Y	
GIW-10	02/07/14	0.4	81.1	0.2	18.3	165	-12.6	Y	Decreased vac to -3.8 inches
GIW-10	02/10/14	0.4	80.3	0.6	18.7	163	-10.3	Y	Reduced vac to -4.1 inches
GIW-10	02/12/14	0.4	80.8	0	18.8	170	-14.2	Y	Reduced vac to -12.4 inches
GIW-10	02/14/14	0.3	80.7	0	19	152	-4.9	N	Replaced 1in rod seal
GIW-10	02/17/14	0.3	83.5	0	16.2	142	-14.3	Y	Decreased vac to -10.3 inches
GIW-10	02/19/14	0.4	80.3	0	19.3	171	12.3	Y	Increased vac to -0.3 inches
GIW-10	02/21/14	0.2	79.5	0	20.3	165	-5.7	N	Decreased vac to -5.2 inches (needs rod seal)
GIW-10	02/24/14	0.4	81.6	0	18	155	-4.2	Y	
GIW-10	02/26/14	0.7	81.9	0	17.4	156	4.2	N	Increased vac to -3.0 inches (needs valve replacement)
GIW-10	02/28/14	0.5	80.2	0	19.3	162	-0.3	N	Increased vac to -1.3 inches (replaced valve)
GIW-10	03/03/14	0.2	83	0	16.8	165	2.5	Y	Increased vac to -0.4 inches
GIW-10	03/05/14	0.1	85.2	0	14.7	163	-0.1	Y	Increased vac to -2.4 inches
GIW-10	03/07/14	0.2	86.9	0	12.9	172	2.1	Y	Increased vac to -0.4 inches
GIW-10	03/10/14	0.4	83	0	16.6	180	-7.2	Y	Decreased vac to -5.4 inches
GIW-10	03/12/14	0.1	80.7	0.2	19	138	-25.5	Y	Decreased vac to -21.1 inches
GIW-10	03/14/14	1.1	83.3	0	15.6	157	-18.4	N	Decreased vac to -16.8 inches (replaced 1" rod seal)
GIW-10	03/17/14	0.7	83.8	0	15.5	155	-20.1	N	Decreased vac to -19.1 inches (replaced 1" rod seal)
GIW-10	03/19/14	0.2	85.3	0	14.5	145	-15.2	Y	Decreased vac to -13.4 inches
GIW-10	03/20/14	0.4	83.6	0	16	157	-9.8	Y	Decreased vac to -7.7 inches
GIW-10	03/24/14	0.3	84.2	0	15.5	177	-1.2	Y	
GIW-10	03/26/14	0.3	82.9	0	16.8	172	-1.6	Y	Increased vac to -2.9 inches
GIW-10	03/28/14	0.3	81	0	18.7	177	4.4	Y	Increased vac to -0.2 inches
GIW-10	03/31/14	0.8	80.5	0	18.7	175	-4.7	Y	
GIW-10	04/02/14	0.2	81.7	0	18.1	172	-10	Y	Decreased vac -9.4 inches
GIW-10	04/03/14	0.3	80.5	0	19.2	187	19.7	Y	Increased vac to -0.4 inches
GIW-10	04/05/14	0.5	83	0.3	16.2	175	-9.9	na	Decreased vac to -9.4 inches
GIW-10	04/07/14	0.3	81.9	0.2	17.6	176	-4.1	Y	
GIW-10	04/08/14	0.5	82.6	0	16.9	173	-6.7	N	Decreased vac to -5.9 inches (replaced fourway valve)
GIW-10	04/09/14	0.4	81.8	0	17.8	179	7.9	Y	Increased vac to -0.8 inches
GIW-10	04/10/14	0.4	79.8	0	19.8	176	-4.6	na	
GIW-10	04/11/14	0.3	81.2	0	18.5	185	13.1	na	Increased vac to -0.8 inches
GIW-10	04/14/14	0.9	80.6	0	18.5	190	52.9	Y	Increased vac to -0.2 inches
GIW-10	04/15/14	0.3	74.2	0.4	25.1	188	-17.8	Y	Decreased vac to -16.0 inches
GIW-10	04/16/14	0.3	74.8	0.2	24.7	188	-17.5	Y	Decreased vac to -16.3 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	04/17/14	0.2	76.1	0	23.7	189	-12	Y	Decreased vac to -10.7 inches
GIW-10	04/18/14	0.3	74.8	0	24.9	190	-2.9	na	Increased vac to -4.3 inches
GIW-10	04/21/14	0.5	79.8	0	19.7	188	-7.5	Y	
GIW-10	04/22/14	0.3	78.1	0	21.6	188	-6.9	Y	decreased vac to -5.5 inches
GIW-10	04/23/14	0.3	77.6	0	22.1	189	-4.7	Y	
GIW-10	04/24/14	0.3	78.4	0	21.3	186	-6	Y	decreased vac to -5.6 inches
GIW-10	04/25/14	0.4	78.1	0	21.5	188	-4.4	Y	
GIW-10	04/28/14	0.9	79.2	0	19.9	186	-7.5	N	decreased vac to -7.1 inches (1" rod seal replaced)
GIW-10	04/29/14	0.3	77.5	0	22.2	188	3.6	N	increased vac to -0.2 inches (adjusted 4 way valve)
GIW-10	04/30/14	0.3	77	0	22.7	189	-9	Y	decreased vac to -7.9 inches
GIW-10	05/01/14	0.3	74.5	0	25.2	189	-4	na	
GIW-10	05/02/14	0.3	78.8	0	20.9	189	-4.7	Y	
GIW-10	05/05/14	0.5	79.8	0	19.7	189	-4.4	N	(replaced 1" rod seal)
GIW-10	05/06/14	0.3	76.3	0	23.4	189	-7.3	Y	
GIW-10	05/06/14	0.2	77	0	22.8	189	-6.4	Y	
GIW-10	05/07/14	0.3	76.9	0	22.8	190	-4.6	Y	
GIW-10	05/08/14	0.2	76.5	0	23.3	189	-4.9	Y	
GIW-10	05/09/14	0.3	76.3	0	23.4	190	-8.3	Y	decreased vac to -6.3 inches
GIW-10	05/12/14	0.3	77.3	0	22.4	194	39.2	Y	increased vac to -0.5 inches
GIW-10	05/13/14	0.3	74.1	0	25.6	189	-16.3	Y	decreased vac to -14.6 inches
GIW-10	05/16/14	0.3	77.6	0	22.1	186	-17.6	Y	decreased vac to -16.4 inches (evaluated on the 15th)
GIW-10	05/19/14	0.6	79.6	0	19.8	188	-18.9	Y	decreased vac to -17.2 inches
GIW-10	05/20/14	0.2	78.9	0	20.9	185	-16	na	decreased vac to -15.6 inches
GIW-10	05/21/14	0.4	77.5	0	22.1	187	-14.1	Y	decreased vac to -13.8 inches
GIW-10	05/22/14	0.2	78.2	0	21.6	187	-15.2	Y	increased vac to -13.7 inches
GIW-10	05/23/14	0.6	78.7	0.4	20.3	189	-14.7	na	decreased vac to -4.7 inches
GIW-10	05/27/14	0.2	77.7	0	22.1	191	2.2	na	increased vac to -0.5 inches
GIW-10	05/28/14	0.2	77.8	0	22	190	-3.3	Y	Increased vac to -3.6 inches
GIW-10	05/29/14	0.2	77.4	0	22.4	190	-1.4	Y	Increased vac to -2.7 inches
GIW-10	05/30/14	0.2	80.7	0	19.1	189	-6.4	na	Decreased vac to -6 inches
GIW-10	06/02/14	0.2	78.9	0	20.9	186	-10.1	Y	Decreased vac to -9.3 inches
GIW-10	06/03/14	0.1	79.2	0	20.7	188	-7.6	Y	Decreased vac to -7.4 inches
GIW-10	06/04/14	0.1	79.5	0	20.4	180	-7.8	N	Decreased vac to -7.4 inches (Need to pull pump and setup and replace leaking lid)
GIW-10	06/05/14	0	79.2	0	20.8	184	-8.1	N	Decreased vac to -7.6 inches (replaced leaking lid, pump operational)
GIW-10	06/06/14	0.2	77.9	0	21.9	193	6.9	Y	Increased vac to -1.2 inches
GIW-10	06/09/14	0.2	80.4	0	19.4	192	8	Y	Increased vac to -1.4 inches
GIW-10	06/10/14	0.3	78.5	0	21.2	191	-2	na	Increased vac to -3.1 inches
GIW-10	06/11/14	0.3	80.3	0	19.4	191	-0.6	Y	Increased vac to -1.3 inches
GIW-10	06/12/14	0.2	76.8	0	23	193	8.9	Y	Increased vac to -0.4 inches
GIW-10	06/13/14	0.1	73.3	0	26.6	192	1	N	Increased vac to -1.3 inches (replaced 1" rod seal, pump operational)
GIW-10	06/16/14	0.2	76.5	0	23.3	192	-6.2	Y	Decreased vac to -5.6
GIW-10	06/17/14	0.1	75.1	0	24.8	192	-4.5	Y	
GIW-10	06/19/14	0.1	72.4	0	27.5	192	-4.1	N	(replaced 1" rod seal, pump operational)
GIW-10	06/20/14	0.2	76.1	0	23.7	194	-4.1	Y	
GIW-10	06/23/14	0.3	74	0	25.7	194	0.1	N	Increased vac to -0.6 (blown 1" rod seal)
GIW-10	06/24/14	0.1	71.5	0	28.4	193	0.5	N	Increased vac to -0.6 (blown 1" rod seal)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	06/25/14	0.3	72.8	0	26.9	193	0.4	N	Increased vac to -0.6 (replaced 1" rod seal, pump operational)
GIW-10	06/26/14	0.4	75.1	0	24.5	193	-2	N	Increased vac to -3.8 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-10	06/27/14	0.7	75.9	0	23.4	192	-4.3	Y	
GIW-10	06/30/14	0.1	77	0	22.9	185	-1.7	NA	
GIW-10	07/01/14	0.2	78.2	0	21.6	189	-4.3	NA	
GIW-10	07/03/14	0.2	76.3	0	23.5	192	-2.9	NA	
GIW-10	07/07/14	0.2	77.7	0	22.1	187	-5.1	Y	
GIW-10	07/08/14	1.3	76.8	0	21.9	191	-1.3	Y	
GIW-10	07/09/14	0.1	76.6	0.2	23.1	192	-0.5	Y	
GIW-10	07/10/14	0.2	77.8	0	22	188	-2.8	N	(replaced 1" rod seal and 1-1/4" female cam, refilled memo and 4-way oil, pump operational)
GIW-10	07/11/14	0.3	78.4	0	21.3	187	-2.1	Y	
GIW-10	07/14/14	0.1	75.5	0	24.4	190	0.3	Y	
GIW-10	07/15/14	0.2	78.7	0	21.1	185	-4.6	Y	
GIW-10	07/16/14	0.2	78.1	0	21.7	190	-2.9	Y	
GIW-10	07/17/14	0.1	79.3	0	20.6	187	-4.1	Y	
GIW-10	07/18/14	0.1	78.6	0	21.3	188	-4.7	Y	
GIW-10	07/21/14	0.2	76.3	0	23.5	189	-2.8	Y	
GIW-10	07/22/14	0.1	76.5	0	23.4	187	-4.8	Y	
GIW-10	07/23/14	0.2	72.1	0	27.7	191	-4.6	Y	
GIW-10	07/24/14	0.1	79.4	0	20.5	188	-4.3	Y	
GIW-10	07/25/14	0.1	76.2	0	23.7	188	-3.5	Y	
GIW-10	07/28/14	0.1	76.8	0	23.1	186	-3.3	Y	
GIW-10	07/29/14	0.2	78.4	0	21.4	189	-3	Y	
GIW-10	07/30/14	0.2	79.6	0	20.2	190	-2.2	Y	
GIW-10	07/31/14	0.1	74.9	0	25	188	-1.7	Y	
GIW-10	08/01/14	0.1	80.8	0	19.1	188	-1.5	Y	
GIW-10	08/04/14	0.1	80.5	0	19.4	185	-0.9	Y	
GIW-10	08/05/14	0.1	79	0	20.9	178	-2.7	Y	
GIW-10	08/06/14	0.1	79.8	0	20.1	187	-1.4	Y	
GIW-10	08/07/14							Y	
GIW-10	08/08/14	0.2	80	0	19.8	182	-1.8	N	(replaced 1" rod seal, pump operational)
GIW-10	08/11/14							N	(replaced cam setup, pump operational)
GIW-10	08/12/14	0.1	79.8	0	20.1	180	0.2	Y	
GIW-10	08/13/14	0.1	77.9	0	22	185	1.8	Y	
GIW-10	08/14/14	0.1	79	0	20.9	186	2.4	Y	
GIW-10	08/15/14	0.1	78.6	0	21.3	184	1.8	Y	
GIW-10	08/18/14	0.2	77.9	0	21.9	187	2	Y	
GIW-10	08/19/14	0.2	78.6	0	21.2	184	1.6	Y	
GIW-10	08/20/14	0.1	78.1	0	21.8	185	1.2	Y	Increased vac to -4.1
GIW-10	08/21/14	0.1	77.7	0	22.2	181	-1	Y	Increased vac to -3.2
GIW-10	08/22/14	0.1	77.7	0	22.2	184	1.2	Y	Increased vac to -0.5
GIW-10	08/25/14	0.1	78.1	0	21.8	184	6.2	Y	
GIW-10	08/26/14	0.1	78.6	0	21.3	185	6.2	Y	
GIW-10	08/27/14	0.1	77.5	0	22.4	184	7.6	N	(replaced 1" rod seal, pump operational)
GIW-10	08/28/14	0.1	77.3	0	22.6	185	5.8	Y	
GIW-10	08/29/14	0.1	78.9	0	21	182	5.5	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	09/01/14							Y	
GIW-10	09/02/14	0.1	78.6	0	21.3	181	5.1	Y	
GIW-10	09/03/14	0.1	79	0	20.9	186	3.1	Y	
GIW-10	09/04/14	0.2	79.8	0	20	182	4.7	Y	
GIW-10	09/05/14	0.1	77.7	0	22.2	182	5.2	Y	
GIW-10	09/08/14							NA	(Not Available due to safe access conditions)
GIW-10	09/09/14							NA	(Not Available due to safe access conditions)
GIW-10	09/10/14							NA	(Not Available due to safe access conditions)
GIW-10	09/11/14							NA	(Not Available due to safe access conditions)
GIW-10	09/12/14							NA	(Not Available due to safe access conditions)
GIW-10	09/15/14							Y	
GIW-10	09/16/14							Y	
GIW-10	09/17/14							Y	
GIW-10	09/18/14							Y	
GIW-10	09/19/14	0.2	78.4	0	21.4	183	3.1	N	(replaced 1" rod seal, pump operational)
GIW-10	09/22/14	0.6	81.2	0	18.2	187	2.1	Y	
GIW-10	09/23/14	0.2	75.6	0	24.2	183	5.8	Y	
GIW-10	09/24/14	0.2	67.5	0.1	32.2	186.3	1.84	Y	
GIW-10	09/25/14	0.9	66.7	0.1	32.3	182.4	-1.3	Y	
GIW-10	09/26/14	3	69.4	0.1	27.5	184.1	-15.63	Y	Decreased vac to -4.88
GIW-10	09/29/14	0.2	73.1	0	26.7	182.7	-10.81	N	Decreased vac to -7.2 (replaced 1" rod seal, pump operational)
GIW-10	09/30/14	0.2	69.1	0	30.7	183.5	-13.19	Y	
GIW-10	10/01/14	0.3	64.3	0.2	35.2	185.2	-15.2	Y	Decreased vac to -8.36
GIW-10	10/02/14	1.1	69.3	0.1	29.5	181.4	-11.78	Y	Decreased vac to -7.45
GIW-10	10/03/14							N	(replaced 1" rod seal, pump operational)
GIW-10	10/06/14	1.4	62.9	0	35.7	179.8	-5.92	N	Decreased vac to -4.95 (1" rod seal needs rplaced)
GIW-10	10/07/14							N	(1" rod seal needs rplaced)
GIW-10	10/08/14							N/A	(Cooling System installed)
GIW-10	10/09/14	5.1	59.8	0	35.1	167.4	-15.55	N/A	Decreased vac to -8.23 (Cooling System installed)
GIW-10	10/10/14							N/A	(Cooling System installed)
GIW-10	10/13/14	0.1	61.8	0	38.1	141.1	-4.66	N/A	(Cooling System installed)
GIW-10	10/14/14							N/A	(Cooling System installed)
GIW-10	10/15/14	0.2	53.4	4.1	42.3	83	-12.6	N/A	(Cooling System installed)
GIW-10	10/16/14							N/A	(Cooling System installed)
GIW-10	10/17/14	0.2	49.7	5.1	45	72	-16.9	N/A	Decreased vac to -15.6 (Cooling System installed)
GIW-10	10/20/14							N/A	(Cooling System installed)
GIW-10	10/21/14							N/A	(Cooling System installed)
GIW-10	10/22/14	0.3	68.1	0	31.6	110	-17	N/A	Decreased vac to -15.3 (Cooling System installed)
GIW-10	10/23/14	0.3	67.9	0.2	31.6	114	-16.9	N/A	Decreased vac to -9.1 (Cooling System installed)
GIW-10	10/24/14	0.6	69.6	0	29.8	97	24	N/A	Decreased vac to -3.2 (Cooling System installed)
GIW-10	10/27/14	0.3	66.7	0	33	85	-18.4	N/A	Decreased vac to -16.9 (Cooling System installed)
GIW-10	10/28/14	0.4	65.1	0	34.5	64	1.2	N/A	Increased vac to -8.3 (Cooling System installed)
GIW-10	10/29/14	1.7	61.8	0	36.5	62	-10.5	N/A	Decreased vac to -6.3 inches (Cooling System installed)
GIW-10	10/30/14	1.1	63.8	0	35.1	66	-4.1	N/A	(Cooling System installed)
GIW-10	10/31/14	0.4	66.7	0	32.9	49	-4.4	N/A	(Cooling System installed)
GIW-10	11/03/14	0.3	68.5	0.2	31	70	-9.3	N/A	Decreased vac to -4.3 (Cooling System Installed)

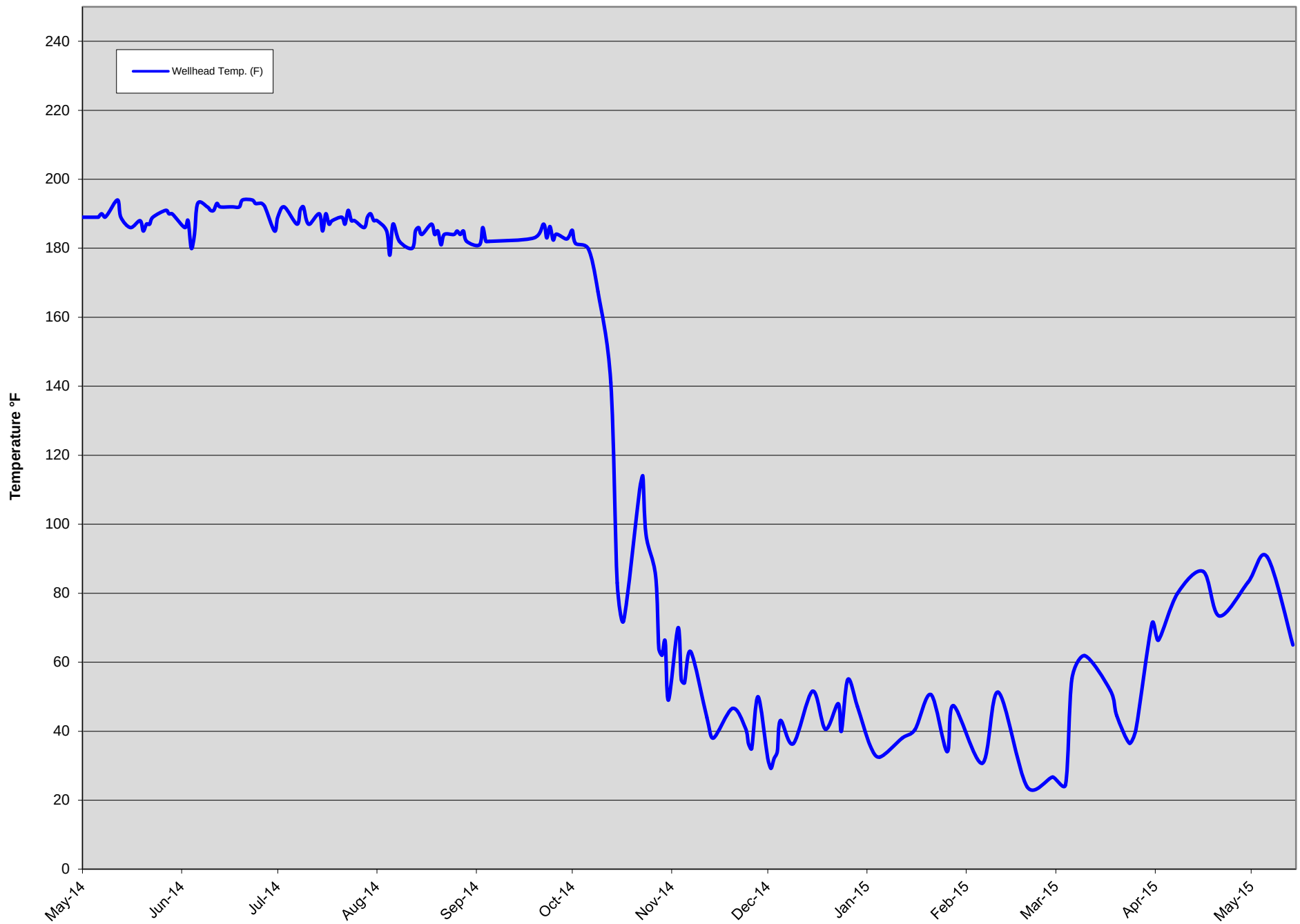
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	11/04/14	0.2	70.1	0.1	29.6	55	-3.5	N/A	(Cooling System installed)
GIW-10	11/05/14	0.4	64.9	0	34.7	54	-4.2	N/A	(Cooling System installed)
GIW-10	11/06/14							N/A	(Cooling System installed)
GIW-10	11/07/14	0.3	65.3	0.1	34.3	63	-4.1	N/A	(Cooling System installed)
GIW-10	11/10/14							N/A	(Cooling System installed)
GIW-10	11/11/14							N/A	(Cooling System installed)
GIW-10	11/12/14	0.3	67.9	0	31.8	44	3.9	N/A	Increased vac to -0.1 (Cooling System Installed)
GIW-10	11/13/14							N/A	(Cooling System installed)
GIW-10	11/14/14	0.7	65.3	0.6	33.4	38	-12.4	N/A	Decreased vac to -9.4 (Cooling System Installed)
GIW-10	11/17/14							N/A	(Cooling System installed)
GIW-10	11/18/14							N/A	(Cooling System installed)
GIW-10	11/19/14							N/A	(Cooling System installed)
GIW-10	11/20/14	0.2	46.5	1.6	51.7	46.6	-11.9	N/A	Decreased vac to -11.54 (Cooling System Installed)
GIW-10	11/21/14							N/A	(Cooling System installed)
GIW-10	11/24/14	0.3	44.9	4.6	50.2	41	-8.42	N/A	Decreased vac to -6.65 (Cooling System Installed)
GIW-10	11/25/14	0.5	74.1	0	25.4	36.4	5.62	N/A	Increased vac to -1.08 (Cooling System Installed)
GIW-10	11/26/14	0.2	63.5	2.1	34.2	35	-16.3	N/A	Decreased vac to -10.6 (Cooling System Installed)
GIW-10	11/27/14								
GIW-10	11/28/14	0.4	68	0	31.6	50	-2.6	N/A	(Cooling System Installed)
GIW-10	12/01/14	0.5	57.6	0	41.9	32.2	12.76	N/A	Increased vac to -0.04 (Cooling System Installed)
GIW-10	12/02/14	0.5	62.9	1.7	34.9	29.2	-16.79	N/A	Decreased vac to -16.3 (Cooling System Installed)
GIW-10	12/03/14	0.4	60.9	1.9	36.8	32.1	-16.42	N/A	Decreased vac to -15.69 (Cooling System Installed)
GIW-10	12/04/14	0.4	61.8	2.1	35.7	34.1	-13.8	N/A	Decreased vac to -11.17 (Cooling System Installed)
GIW-10	12/05/14	0.4	62.5	0.1	37	43.1	-0.71	N/A	Increased vac to -2.18 (Cooling System Installed)
GIW-10	12/08/14							N/A	(Cooling System Installed)
GIW-10	12/09/14	0.3	67	0.4	32.3	36.4	-4.12	N/A	Increased vac to -4.56 (Cooling System Installed)
GIW-10	12/10/14							N/A	(Cooling System Installed)
GIW-10	12/11/14							N/A	(Cooling System Installed)
GIW-10	12/12/14							N/A	(Cooling System Installed)
GIW-10	12/15/14	0.4	59.5	2.6	37.5	51.6	-11.17	N/A	No Change (Cooling System Installed)
GIW-10	12/16/14							N/A	(Cooling System Installed)
GIW-10	12/17/14							N/A	(Cooling System Installed)
GIW-10	12/18/14							N/A	(Cooling System Installed)
GIW-10	12/19/14	0.4	40	11.2	48.4	40.6	-4.22	N/A	Increased vac to -6.35 (Cooling System Installed)
GIW-10	12/22/14							N/A	(Cooling System Installed)
GIW-10	12/23/14	0.3	71.8	1.1	26.8	48	-4.1	N/A	(Cooling System Installed)
GIW-10	12/24/14	0.5	72.5	1.6	25.4	40	-4.6		
GIW-10	12/25/14								
GIW-10	12/26/14	0.4	69	2.1	28.5	55	-5.8	N/A	(Cooling System Installed)
GIW-10	12/29/14	0.8	51.3	2.4	45.5	47.2	-11.23	N/A	(Cooling System Installed)
GIW-10	12/30/14							N/A	(Cooling System Installed)
GIW-10	12/31/14							N/A	(Cooling System Installed)
GIW-10	01/01/15							N/A	(Cooling System Installed)
GIW-10	01/02/15	0.5	53.9	3.5	42.1	35.8	-10.99	N/A	Increased vac to -13.13 (Cooling System Installed)
GIW-10	01/05/15	0.4	51	3.5	45.1	32.5	-13.55		Increased vac to -15.2
GIW-10	01/06/15								

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	01/07/15								
GIW-10	01/08/15								
GIW-10	01/09/15								
GIW-10	01/12/15	0.4	52.6	3.7	43.3	38	-13.13	N/A	Increased vac to -15.63 (Cooling System Installed)
GIW-10	01/13/15							N/A	(Cooling System Installed)
GIW-10	01/14/15							N/A	(Cooling System Installed)
GIW-10	01/15/15							N/A	(Cooling System Installed)
GIW-10	01/16/15	0.4	52.5	3.2	43.9	40.5	-13.68		Increased vac to -15.02
GIW-10	01/19/15							N/A	(Cooling System Installed)
GIW-10	01/20/15							N/A	(Cooling System Installed)
GIW-10	01/21/15	0.4	53.7	3	42.9	50.6	-13.92	N/A	Increased vac to -16.54 (Cooling System Installed)
GIW-10	01/22/15							N/A	(Cooling System Installed)
GIW-10	01/23/15							N/A	(Cooling System Installed)
GIW-10	01/26/15	0.4	48.5	4.7	46.4	34.1	-12.58	N/A	(Cooling System Installed)
GIW-10	01/27/15							N/A	(Cooling System Installed)
GIW-10	01/28/15	0.3	45.2	11.2	43.3	47.4	-9.52	N/A	(Cooling System Installed)
GIW-10	01/29/15							N/A	(Cooling System Installed)
GIW-10	01/30/15							N/A	(Cooling System Installed)
GIW-10	02/02/15							N/A	(Cooling System Installed)
GIW-10	02/03/15							N/A	(Cooling System Installed)
GIW-10	02/04/15							N/A	(Cooling System Installed)
GIW-10	02/05/15							N/A	(Cooling System Installed)
GIW-10	02/06/15	0.4	53.5	2.9	43.2	30.7	-7.94	N/A	(Cooling System Installed)
GIW-10	02/09/15							N/A	(Cooling System Installed)
GIW-10	02/10/15							N/A	(Cooling System Installed)
GIW-10	02/11/15	0.3	51.8	2.8	45.1	51.3	-10.93	N/A	Decreased vac to -9.83 (Cooling System Installed)
GIW-10	02/12/15							N/A	(Cooling System Installed)
GIW-10	02/13/15							N/A	(Cooling System Installed)
GIW-10	02/16/15							N/A	(Cooling System Installed)
GIW-10	02/17/15							N/A	(Cooling System Installed)
GIW-10	02/18/15							N/A	(Cooling System Installed)
GIW-10	02/19/15							N/A	(Cooling System Installed)
GIW-10	02/20/15	0.3	59.6	0	40.1	23.9	10.87	N/A	Increased vac to -0.88 (Cooling System Installed)
GIW-10	02/23/15							N/A	(Cooling System Installed)
GIW-10	02/24/15							N/A	(Cooling System Installed)
GIW-10	02/25/15							N/A	(Cooling System Installed)
GIW-10	02/26/15							N/A	(Cooling System Installed)
GIW-10	02/27/15							N/A	(Cooling System Installed)
GIW-10	02/28/15	0.3	57.1	0	42.6	26.7	6.83	N/A	Increased vac to -17.56 (Cooling System Installed)
GIW-10	03/01/15							N/A	
GIW-10	03/02/15							N/A	
GIW-10	03/03/15							N/A	
GIW-10	03/04/15	0.3	55.2	0.5	44	24.5	-22.95	N/A	
GIW-10	03/05/15							N/A	
GIW-10	03/06/15	0.3	48.4	3	48.3	55.2	-15.08	N/A	
GIW-10	03/07/15							N/A	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	03/08/15							N/A	
GIW-10	03/09/15							N/A	
GIW-10	03/10/15	0.2	57.2	0.1	42.5	61.9	-14.65	N/A	
GIW-10	03/11/15							N/A	
GIW-10	03/12/15							N/A	
GIW-10	03/13/15							N/A	
GIW-10	03/14/15							N/A	
GIW-10	03/15/15							N/A	
GIW-10	03/16/15							N/A	
GIW-10	03/17/15							N/A	
GIW-10	03/18/15	1.7	54.5	0.1	43.7	51.8	-3.19	N/A	
GIW-10	03/19/15							N/A	
GIW-10	03/20/15	0.4	58.1	0	41.5	44.5	8.67	N/A	Increased vac to 0.87
GIW-10	03/21/15							N/A	
GIW-10	03/22/15							N/A	
GIW-10	03/23/15							N/A	
GIW-10	03/24/15	0.6	57.8	1.8	39.8	36.5	-20.51	N/A	Decreased vac to -19.6
GIW-10	03/25/15							N/A	
GIW-10	03/26/15	0.3	50.7	1	48	40.6	-18.5	N/A	Decreased vac to -17.58
GIW-10	03/27/15							N/A	
GIW-10	03/28/15							N/A	
GIW-10	03/29/15							N/A	
GIW-10	03/30/15							N/A	
GIW-10	03/31/15	0.2	59.5	0	40.3	71.2	9.65	N/A	
GIW-10	04/01/15							N/A	
GIW-10	04/02/15	0.4	57	0.1	42.5	66.4	-3.53	N/A	
GIW-10	04/03/15							N/A	
GIW-10	04/04/15							N/A	
GIW-10	04/05/15							N/A	
GIW-10	04/06/15							N/A	
GIW-10	04/07/15							N/A	
GIW-10	04/08/15	0.6	57.1	0	42.3	80	3.97	N/A	Increased vac to 1.39
GIW-10	04/09/15							N/A	
GIW-10	04/10/15							N/A	
GIW-10	04/11/15							N/A	
GIW-10	04/12/15							N/A	
GIW-10	04/13/15							N/A	
GIW-10	04/14/15							N/A	
GIW-10	04/15/15							N/A	
GIW-10	04/16/15	2.4	57.7	0	39.9	86.3	-18.07	N/A	Decreased vac to -11.9
GIW-10	04/17/15							N/A	
GIW-10	04/18/15							N/A	
GIW-10	04/19/15							N/A	
GIW-10	04/20/15							N/A	
GIW-10	04/21/15	3.7	59.6	0	36.7	73.4	-1.11	N/A	Increased vac to -1.61
GIW-10	04/22/15							N/A	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-10	04/23/15							N/A	
GIW-10	04/24/15							N/A	
GIW-10	04/25/15							N/A	
GIW-10	04/26/15							N/A	
GIW-10	04/27/15							N/A	
GIW-10	04/28/15							N/A	
GIW-10	04/29/15							N/A	
GIW-10	04/30/15	4.3	57.8	0	37.9	83.2	-1.29	N/A	Increased vac to -3.34
GIW-10	05/01/15							N/A	
GIW-10	05/02/15							N/A	
GIW-10	05/03/15							N/A	
GIW-10	05/04/15							N/A	
GIW-10	05/05/15							N/A	
GIW-10	05/06/15	4.9	53.1	0	42	90.5	-4.36	N/A	
GIW-10	05/07/15							N/A	
GIW-10	05/08/15							N/A	
GIW-10	05/09/15							N/A	
GIW-10	05/10/15							N/A	
GIW-10	05/11/15							N/A	
GIW-10	05/12/15							N/A	
GIW-10	05/13/15							N/A	
GIW-10	05/14/15	4.3	64.6	0	31.1	65	-5.3	N/A	
GIW-10	05/15/15							N/A	

GIW-10 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	01/01/14	2.8	66.1	0.9	30.2	173	-2.5	NA	
GIW-11	01/03/14	2.5	70	0	27.5	178	-1.7	Y	Increased vac to -1.9 inches
GIW-11	01/13/14	1.9	73.1	0	25	176	-2	N	Replaced 1" rod seal - pump operational
GIW-11	01/15/14	1.6	64.8	2.8	30.8	176	-2.5	Y	Decreased vac to -1.9 inches (pump eval on 16th)
GIW-11	01/17/14	1.6	72.2	0	26.2	176	-2.1	Y	
GIW-11	01/20/14	1.1	73.8	0	25.1	177	-0.1	Y	Increased vac to -0.3 inches
GIW-11	01/22/14	1.8	72.8	0	25.4	176	-3	Y	
GIW-11	01/24/14	1.6	70.5	0	27.9	177	-2.2	Y	
GIW-11	01/27/14	1.7	73.7	0	24.6	176	-2.8	N	Replaced 1" rod seal - pump operational
GIW-11	01/29/14	1.3	69.5	0	29.2	178	-1.3	Y	
GIW-11	02/03/14	2.7	69.7	0	27.6	182	-1.3	Y	Increased vac to -1.4 inches
GIW-11	02/05/14	4	69.4	0	26.6	180	-3.7	Y	
GIW-11	02/07/14	3.5	69.9	0	26.6	183	2	Y	Increased vac to -1.5 inches
GIW-11	02/10/14	4.1	69.4	0.1	26.4	180	-6.3	Y	Reduced vac to -4.1 inches
GIW-11	02/12/14	3.6	70.1	0	26.3	178	-5.1	N	Need's air dryer replaced
GIW-11	02/14/14	3.8	69.1	0	27.1	182	-2.4	N	Increased vac to -2.6 inches (replaced pump)
GIW-11	02/17/14	3.7	71.1	0	25.2	179	-4.5	Y	
GIW-11	02/19/14	3.7	69	0	27.3	181	-2.2	Y	Increased vac to -2.4 inches
GIW-11	02/21/14	3.6	66.8	0	29.6	181	-2.1	Y	Increased vac to -2.4 inches
GIW-11	02/24/14	4.4	68.8	0	26.8	181	-4.8	N	Needs new pump
GIW-11	02/26/14	4.2	68	0	27.8	181	-5.9	N	Decreased vac to -5.8 inches (needs new pump)
GIW-11	02/28/14	1.2	69.7	0	29.1	180	-4.1	N	replaced valve
GIW-11	03/03/14	1.2	73.2	0	25.6	181	-4	Y	
GIW-11	03/05/14	1.2	74.6	0	24.2	178	-4.9	Y	
GIW-11	03/07/14	1.3	73.2	0.3	25.2	178	-7.2	Y	Decreased vac to -6.5 inches
GIW-11	03/12/14	1.3	70.5	0.1	28.1	178	-16.4	Y	
GIW-11	03/14/14	1.2	73.2	0	25.6	179	-12.9	N	Decreased vac to -12.4 inches (pump needs pulled)
GIW-11	03/17/14	1.1	72.9	0.4	25.6	180	-18	N	Decreased vac to -17.6 inches (fiberglass rod off)
GIW-11	03/19/14	1.1	72.6	0.5	25.8	178	-13.3	N	Decreased vac to -13.0 inches (fiberglass rod off)
GIW-11	03/20/14	1.3	68.8	1.3	28.6	178	-13.5	N	Decreased vac to -13.2 inches (fiberglass rod off pump)
GIW-11	03/24/14	0.9	71.8	0	27.3	179	-18.3	N	Decreased vac to -4.1 inches (fiberglass rod off)
GIW-11	03/26/14	0.5	75.1	0	24.4	181	-0.8	N	Increased vac to -1.1 inches (rod came off pump)
GIW-11	03/28/14	0.6	71.6	0	27.8	182	2.9	N	Increased vac to -0.6 inches (rod came off pump)
GIW-11	03/31/14	0.9	72.3	0	26.8	180	-3.9	N	(rod off pump)
GIW-11	04/02/14	0.7	71.6	0	27.7	178	-6.4	N	Decreased vac to -5.3 inches (rod off pump)
GIW-11	04/03/14	0.8	71.6	0	27.6	181	-4.5	N	(rod off pump)
GIW-11	04/05/14	1.6	70.4	0	28	177	-3.7	na	
GIW-11	04/07/14	1.7	68.3	0	30	177	-3.8	N	fiberglass rod off pump
GIW-11	04/08/14	1.6	69.7	0	28.7	177	-5.1	N	fiberglass rod off pump
GIW-11	04/09/14	1.8	65.9	0.5	31.8	177	-5.9	N	Decreased vac to -5.4 inches (rod off pump)
GIW-11	04/10/14	1.9	66.4	0.1	31.6	176	-6.3	na	Decreased vac to -6.1 inches
GIW-11	04/11/14	1.9	65.6	0.7	31.8	177	-6.3	na	Decreased vac to -5.8 inches
GIW-11	04/14/14	2.1	62.7	1.8	33.4	176	-5.9	N	Decreased vac to -5.4 inches (rod off pump)
GIW-11	04/15/14	2.1	58.4	2.8	36.7	176	-5.8	N	Decreased vac to -5.0 inches (rod off pump)
GIW-11	04/16/14	2.6	57.8	2.8	36.8	176	-4.9	N	(rod off pump)
GIW-11	04/17/14	2.2	56.9	2.8	38.1	176	-4.8	N	Decreased vac to -3.3 inches (rod off pump)
GIW-11	04/18/14	1.9	58	2	38.1	180	-5.4	na	Decreased vac to -4.7 inches
GIW-11	04/21/14	1.9	58.6	2.3	37.2	177	-3.7	N	(liquids below pump)
GIW-11	04/22/14	1.7	57.4	2.9	38	177	-5.9	N	decreased vac to -3.8 inches (liquids below pump)
GIW-11	04/23/14	1.8	57.3	2.5	38.4	178	-3.2	N	decreased vac to -3.0 inches (liquids below pump)
GIW-11	04/24/14	1.9	61.8	1	35.3	178	-2.3	N	decreased vac to -1.8 inches (liquids lower than pump)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	04/25/14	1.9	66.4	0	31.7	181	-1.3	N	increased vac to -1.4 inches (liquid below pump)
GIW-11	04/28/14	1.9	66.4	0.1	31.6	181	-1.7	N	increased vac to -1.8 inches (liquid below pump)
GIW-11	04/29/14	1.5	66.3	0	32.2	182	-0.6	N	increased vac to -0.7 inches (liquid below pump)
GIW-11	04/30/14	2	57.1	2.6	38.3	180	-4.2	N	decreased vac to -3.5 inches (liquid below pump)
GIW-11	05/01/14	2	58.4	1.7	37.9	181	-3	na	decreased vac to -2.5 inches
GIW-11	05/02/14	1.7	66.3	0	32	183	-0.9	N	increased vac to -1.1 inches (liquid below pump)
GIW-11	05/05/14	1.7	67.7	0	30.6	185	1.8	N	increased vac to -0.3 inches (liquids below pump)
GIW-11	05/06/14	1.2	65.8	0	33	183	-1.3	N	increased vac to -1.5 inches (lower elevation of pump)
GIW-11	05/07/14	1.6	66.4	0	32	184	-1.5	Y	increased vac to -1.9 inches
GIW-11	05/08/14	1.6	66.8	0	31.6	183	-1.9	Y	increased vac to -2.7 inches
GIW-11	05/09/14	1.5	63.8	0.8	33.9	182	-3.5	Y	decreased vac to -3.0 inches
GIW-11	05/12/14	1.6	67.3	0	31.1	183	-2.2	N	increased vac to -2.5 inches (replaced air nipple)
GIW-11	05/13/14	1.3	68.5	0	30.2	182	-2.3	Y	increased vac to -2.5 inches
GIW-11	05/16/14	1.1	69	0	29.9	182	-1.5	N	increased vac to -1.8 inches (pump needs pulled for maintenance, evaluation completed on the 15th)
GIW-11	05/19/14	1.1	69.7	0	29.2	182	-2	N	increased vac to -2.4 inches (either hole in hd piping or bad footvalve)
GIW-11	05/20/14	0.9	69.5	0	29.6	182	-1.3	na	increased vac to -1.6 inches
GIW-11	05/21/14	0.8	68.7	0	30.5	182	-1.6	N	increased vac to -1.8 inches (bad footvalve)
GIW-11	05/22/14	1.1	68.3	0	30.6	181	-2.4	N	increased vac to -2.8 inches (bad footvalve)
GIW-11	05/23/14	2	70	0.1	27.9	181	-2.9	na	
GIW-11	05/27/14	0.8	68	0	31.2	180	-1.3	na	Increased vac to -1.5 inches
GIW-11	05/28/14	1.2	69.2	0	29.6	179	-2.5	Y	Increased vac to -3 inches (bad footvalve)
GIW-11	05/29/14	1.3	66.8	0.4	31.5	179	-4	Y	(bad footvalve)
GIW-11	05/30/14	1.1	67.8	0	31.1	179	-2.8	na	Increased vac to -3.4 inches
GIW-11	06/02/14	1.3	64.5	1	33.2	177	-5.5	N	Decreased vac to -5.3 inches (bad footvalve, blown 1" rod seal)
GIW-11	06/03/14	1.3	66.6	0.5	31.6	177	-3.8	N	(bad footvalve, blown 1" rod seal)
GIW-11	06/04/14	1.3	68.4	0	30.3	178	-3.1	N	Increased vac to -3.2 inches (bad footvalve, blown 1" rod seal)
GIW-11	06/05/14	1.2	66.5	0.2	32.1	177	-4.3	N	(replaced 1" rod seal, bad footvalve)
GIW-11	06/06/14	1.3	66.2	0	32.5	177	-4.1	Y	(footvalve needs replaced)
GIW-11	06/09/14	1.1	67	0	31.9	177	-4.1	Y	(footvalve needs replaced)
GIW-11	06/10/14	1.3	66.7	0.6	31.4	176	-4.8	na	
GIW-11	06/11/14	1.7	58.5	2.1	37.7	174	-6.6	N	reased vac to -6.1 inches (replaced 1" rod seal and replaced the footvalve, pump operational and moving liq
GIW-11	06/12/14	2.1	55.7	2.5	39.7	174	-6.2	Y	Decreased vac to -5.3 inches
GIW-11	06/13/14	1	68.1	0	30.9	177	-1.5	N	Increased vac to -1.8 inches (replaced 1" rod seal, pump operational)
GIW-11	06/16/14	1.5	67.1	0.2	31.2	177	-4.1	N	(replaced 1" rod seal, pump operational)
GIW-11	06/17/14	1.3	67.6	0	31.1	176	-1.7	Y	Increased vac to -2.1
GIW-11	06/19/14	1.3	64.1	1	33.6	175	-5.3	Y	Decreased vac to -3.7
GIW-11	06/20/14	1.4	66.4	0	32.2	177	-2.7	Y	Increased vac to -2.8
GIW-11	06/23/14	2.6	51.3	3.2	42.9	174	-6.3	N	Decreased vac to -5.4 (blown 1" rod seal)
GIW-11	06/24/14	0.9	67.7	0	31.4	177	-1.6	N	Increased vac to -1.7 (replaced 4-way valve, pump operational)
GIW-11	06/25/14	1.2	66.1	0	32.7	177	-0.6	N	Increased vac to -0.7 (replaced 1" rod seal, pump operational)
GIW-11	06/26/14	1.1	65.5	0	33.4	178	-1.3	N	Increased vac to -1.7 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-11	06/27/14	2.3	61	0.6	36.1	176	-4.2	Y	
GIW-11	06/30/14	1	66.7	0	32.3	178	-0.8	NA	Increased vac to -0.9
GIW-11	07/01/14	1	64.6	0	34.4	177	-2.1	NA	Increased vac to -2.4
GIW-11	07/03/14	1.2	65.8	0	33	177	-4.3	NA	
GIW-11	07/07/14	1.3	63.7	0.6	34.4	176	-4.3	Y	
GIW-11	07/08/14	2.8	65.3	0.3	31.6	177	-4.2	N	(blown 1" rod seal)
GIW-11	07/09/14	1.2	60.8	1.5	36.5	177	-3.4	N	(blown 1" rod seal)
GIW-11	07/10/14	1.4	61.3	1.1	36.2	177	-4.1	N	(replaced 1" rod seal and 1/4"x3" air nipple, refilled memo and 4-way oil, pump operational)
GIW-11	07/11/14	1.5	62.7	0	35.8	177	-4.9	Y	
GIW-11	07/14/14	1.2	64	0	34.8	177	-2.7	N	Increased vac to -3 (cylinder cap needs replaced)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	07/15/14	1.4	61.8	1.3	35.5	177	-5.8	N	Decreased vac to -5.4 (replaced cylinder head, pump operational)
GIW-11	07/16/14	1.4	61.4	1	36.2	177	-4.6	Y	
GIW-11	07/17/14	1.3	61	1.5	36.2	177	-5	Y	
GIW-11	07/18/14	1.2	58.7	2.3	37.8	177	-4.6	Y	Decreased vac to -4.4
GIW-11	07/21/14	1.2	63.5	0	35.3	178	-4	Y	
GIW-11	07/22/14	1.3	61.7	0.8	36.2	178	-4.1	Y	
GIW-11	07/23/14	1.3	62	0.9	35.8	177	-4.7	Y	
GIW-11	07/24/14	1.3	62.8	0.6	35.3	177	-4.4	Y	
GIW-11	07/25/14	1.3	63.5	0.5	34.7	177	-4.2	Y	
GIW-11	07/28/14	1.3	62.2	1.4	35.1	176	-5	Y	
GIW-11	07/29/14	1.3	64	0.5	34.2	176	-4.2	N	(replaced 4-way valve, pump operational)
GIW-11	07/30/14	1.3	65	0.3	33.4	178	-4	Y	
GIW-11	07/31/14	1.3	65.7	0	33	178	-4.4	Y	
GIW-11	08/01/14	1.3	64.5	0.4	33.8	177	-4.2	Y	
GIW-11	08/04/14	1.3	63.5	0	35.2	177	-4.2	Y	
GIW-11	08/05/14	1.3	61.6	1	36.1	177	-5	Y	
GIW-11	08/06/14	1.3	63	0.8	34.9	177	-4.4	Y	
GIW-11	08/07/14							Y	
GIW-11	08/08/14	1.4	63.1	0.9	34.6	176	-4.9	Y	
GIW-11	08/11/14	1.4	63.1	0.5	35	177	-4.1	N	(replaced 1" rod seal, pump operational)
GIW-11	08/12/14	1.4	64	0.5	34.1	176	-4.3	Y	
GIW-11	08/13/14	1.4	64.1	0.2	34.3	177	-4.2	Y	
GIW-11	08/14/14	1.3	64.8	0.3	33.6	177	-4.5	Y	
GIW-11	08/15/14	1.4	64.7	0.1	33.8	176	-4.3	Y	
GIW-11	08/18/14	1.5	64.8	0.1	33.6	178	-4.2	Y	
GIW-11	08/19/14	2.3	65	0	32.7	177	-4.2	Y	
GIW-11	08/20/14	1.6	64	0	34.4	176	-4.6	Y	
GIW-11	08/21/14	1.6	63.4	0.5	34.5	177	-4.3	Y	
GIW-11	08/22/14	1.4	64.1	0.3	34.2	177	-4	Y	
GIW-11	08/25/14	1.5	63.8	0	34.7	177	-3.9	N	
GIW-11	08/26/14	1.4	63.2	0.6	34.8	177	-4.3	Y	(replaced 1" rod seal, pump operational)
GIW-11	08/27/14	1.4	61.9	0.7	36	176	-4.3	Y	
GIW-11	08/28/14	1.4	61.6	0.8	36.2	177	-4.7	Y	
GIW-11	08/29/14	1.4	63.7	0.4	34.5	175	-4.1	Y	
GIW-11	09/01/14							N	(1" rod seal needs to be replaced)
GIW-11	09/02/14	1.3	64.1	0.8	33.8	176	-4.9	N	(1" rod seal needs to be replaced)
GIW-11	09/03/14	1.4	61.7	0.8	36.1	175	-4.6	N	(1" rod seal needs to be replaced)
GIW-11	09/04/14	1.5	62.2	0.6	35.7	176	-5	N	(1" rod seal needs to be replaced)
GIW-11	09/05/14	1.4	62.7	0.6	35.3	176	-4.9	N	(replaced 1" rod seal, pump operational)
GIW-11	09/08/14							NA	(Not Available due to safe access conditions)
GIW-11	09/09/14							NA	(Not Available due to safe access conditions)
GIW-11	09/10/14							NA	(Not Available due to safe access conditions)
GIW-11	09/11/14							NA	(Not Available due to safe access conditions)
GIW-11	09/12/14							NA	(Not Available due to safe access conditions)
GIW-11	09/15/14							N	(replaced 1" rod seal, pump operational)
GIW-11	09/16/14							Y	
GIW-11	09/17/14							Y	
GIW-11	09/18/14							Y	
GIW-11	09/19/14	1.2	58.6	2.6	37.6	182	-6.3	N	Decreased vac to -4.5 (replaced 1/4" x 3" air nipple, pump operational)
GIW-11	09/22/14	1.9	65.9	0.5	31.7	176	-4	Y	
GIW-11	09/23/14							N	

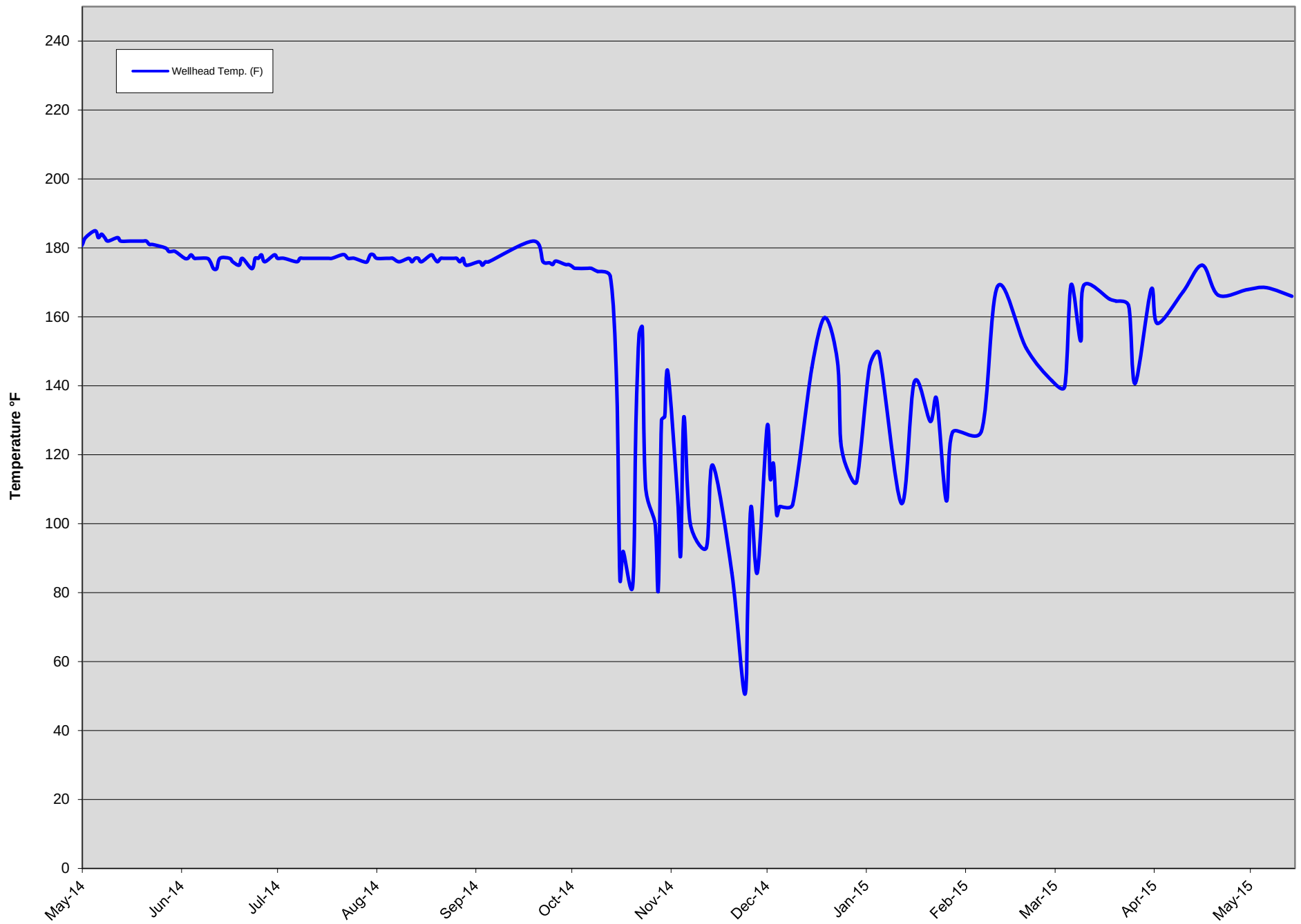
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	09/24/14	1.5	70.2	0	28.3	175.7	-6.46	Y	Decreased vac to -4.37
GIW-11	09/25/14	4.2	60.5	0	35.3	175.2	-4.95	Y	
GIW-11	09/26/14	0.8	59	0.1	40.1	176.2	-4.02	Y	
GIW-11	09/29/14	2.6	54.2	2.2	41	175.2	-6.35	N	Decreased vac to -5.86 (replaced 1" rod seal, pump operational)
GIW-11	09/30/14	1.6	57.2	1.9	39.3	175.2	-5.86	Y	Decreased vac to -5.62
GIW-11	10/01/14	2.4	56.4	1.5	39.7	174.7	-4.55	N	(replaced 1" rod seal, pump operational)
GIW-11	10/02/14	3.5	56.8	1.4	38.3	174.1	-4.72	Y	
GIW-11	10/03/14							Y	
GIW-11	10/06/14	6	52.6	1.7	39.7	174.1	-4.95	Y	Decreased vac to -4.88
GIW-11	10/07/14	2.1	53.6	2.1	42.2	174.1	-5.07	N	(1" rod seal needs replaced)
GIW-11	10/08/14							N	(1" rod seal needs replaced)
GIW-11	10/09/14	1.8	50.3	2	45.9	173.2	-4.96	N	(1" rod seal needs replaced)
GIW-11	10/10/14							N	(1" rod seal needs replaced)
GIW-11	10/13/14	3.2	59.8	0	37	171.7	-3.98	Y	
GIW-11	10/14/14							N	(1" rod seal needs replaced)
GIW-11	10/15/14	1.5	67.6	0	30.9	140	-11.4	N	Decreased vac to -5.8 (1" rod seal needs replaced)
GIW-11	10/16/14	1.8	43.1	9.2	45.9	84	-17.4	N	Decreased vac to -16.3 (1" rod seal needs replaced)
GIW-11	10/17/14	2.7	59.2	4.4	33.7	92	-17.7	N	Decreased vac to -14.5 (1" rod seal needs replaced)
GIW-11	10/20/14	3.1	67.2	2.3	27.4	82	-14.3	N	Decreased vac to -8.8 (1" rod seal needs replaced)
GIW-11	10/21/14	2.8	65.5	0	31.7	129	-1.5	N	Increased vac to -2.4 (1" rod seal needs replaced)
GIW-11	10/22/14	1.3	66.9	0	31.8	155	-4.1	N	(1" rod seal needs replaced)
GIW-11	10/23/14	1.2	64.5	0	34.3	157	10.7	N	Increased vac to -3.1 (replaced 1" rod seal & 3/8 fiberglass rod, pupm's operational)
GIW-11	10/24/14	3.7	73.6	0	22.7	111	-6.7	Y	
GIW-11	10/27/14	3.7	72.8	0.2	23.3	100	-4.9	N	(Replaced 1" rod seal - pump operational)
GIW-11	10/28/14	3.8	71.6	1.5	23.1	81	-5	Y	
GIW-11	10/29/14	2.4	66.8	0.1	30.7	130	-19.6	Y	Decreased vac to -19
GIW-11	10/30/14	3.1	70.6	0	26.3	131	-17	Y	Decreased vac to -16.3
GIW-11	10/31/14	2.1	67.1	0	30.8	144	-13.3	Y	Decreased vac to -9.9
GIW-11	11/03/14	4.1	72.7	0.4	22.8	108	-15.8	Y	Decreased vac to -7.4
GIW-11	11/04/14	2.6	74.9	0.4	22.1	91	-17	Y	Decreased vac to -7.6
GIW-11	11/05/14	1.7	66.2	0	32.1	131	14.7	Y	Increased vac to -4.3
GIW-11	11/06/14							Y	
GIW-11	11/07/14	3.1	67.2	0	29.7	100	-4.9	N	(Replaced female cam gasket and 1" rod seal, pump operational)
GIW-11	11/10/14							Y	
GIW-11	11/11/14							Y	
GIW-11	11/12/14	2.1	70.7	0	27.2	93	14.5	Y	Increased vac to -0.4
GIW-11	11/13/14							Y	
GIW-11	11/14/14	2.4	69.6	0.2	27.8	117	-14.6	N	Decreased vac to -7.1 (Replaced female cam and 1" rod seal, pump operational)
GIW-11	11/17/14							Y	
GIW-11	11/18/14							Y	
GIW-11	11/19/14							Y	
GIW-11	11/20/14	2.8	60.5	0.3	36.4	85.7	-5.01	Y	
GIW-11	11/21/14							N	(Replaced female cam gasket and 1" rod seal, pump operational)
GIW-11	11/24/14	3.4	56	1.2	39.4	50.6	-15.02	N	Decreased vac to -8.12 (Replaced female cam gasket and 1" rod seal, pump operational)
GIW-11	11/25/14	2.9	65.5	0	31.6	78.7	14.84	Y	Increased vac to -2.31
GIW-11	11/26/14	2.2	75.5	0	22.3	105	-18.6	Y	Decreased vac to -7.5
GIW-11	11/27/14								
GIW-11	11/28/14	2.2	74.3	0	23.5	86	-3.3	Y	
GIW-11	12/01/14	1.5	60.3	0	38.2	128.1	6.53	Y	Increased vac to -2.64
GIW-11	12/02/14	2.5	59.1	0	38.4	113	-17.7	Y	Decreased vac to -17.28
GIW-11	12/03/14	3	60.3	0.1	36.6	117.4	-12.21	Y	Decreased vac to -6.41

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	12/04/14	2.2	63.9	0	33.9	102.6	-14.77	N	Decreased vac to -7.94
GIW-11	12/05/14	15.1	72.5	0.2	12.2	105	-7.75	Y	Decreased vac to -5.25 (Replaced four way valve - pump operational)
GIW-11	12/08/14							Y	
GIW-11	12/09/14	2.1	60.5	0.1	37.3	105.6	-15.14	N	Decreased vac to -14.65 (Replaced four way valve - pump operational)
GIW-11	12/10/14							Y	
GIW-11	12/11/14							Y	
GIW-11	12/12/14							Y	
GIW-11	12/15/14	1.9	57.5	0.1	40.5	145.3	-18.56	Y	Decreased vac to -16.61
GIW-11	12/16/14							Y	
GIW-11	12/17/14							Y	
GIW-11	12/18/14							Y	
GIW-11	12/19/14	2.3	64.3	0.1	33.3	159.8	7.81	Y	Increased vac to -1.24
GIW-11	12/22/14							Y	
GIW-11	12/23/14	1.9	71.9	0	26.2	147	-16	Y	Decreased vac to -11.7
GIW-11	12/24/14	2	75.3	0	22.7	124	-14.6		Decreased vac to -4.8
GIW-11	12/25/14								
GIW-11	12/26/14	1.6	69.6	0	28.8	116	-4.2	Y	
GIW-11	12/29/14	2.1	8.5	0.4	89	112.3	7.88		Increased vac to -1.78
GIW-11	12/30/14							Y	
GIW-11	12/31/14								
GIW-11	01/01/15								
GIW-11	01/02/15	3	57	0	40	145.5	-20.51		Decreased vac to -19.96
GIW-11	01/05/15	3	58.3	0	38.7	149.3	-21.49		Decreased vac to -11.29
GIW-11	01/06/15								
GIW-11	01/07/15								
GIW-11	01/08/15								
GIW-11	01/09/15								
GIW-11	01/12/15	1.9	58.4	0	39.7	105.9	7.81	Y	Increased vac to -0.69
GIW-11	01/13/15							Y	
GIW-11	01/14/15							N	(Replaced four way valve - pump operational)
GIW-11	01/15/15							Y	
GIW-11	01/16/15	1.5	59.2	0	39.3	141.1	-18.99	Y	Decreased vac to -18.5
GIW-11	01/19/15							Y	
GIW-11	01/20/15							Y	
GIW-11	01/21/15	1.4	60.7	0	37.9	129.7	-12.76	Y	Decreased vac to -6.84
GIW-11	01/22/15							N	(Replaced 1" rod seal, 1 1/4 " gasket & four way valve - pump operational)
GIW-11	01/23/15	2.1	59.2	0	38.7	136.1	-8.91	Y	Decreased vac to -6.96
GIW-11	01/26/15	2.9	64	0	33.1	106.7	-4.24	Y	
GIW-11	01/27/15							Y	
GIW-11	01/28/15	2.1	59.8	0	38.1	126.6	4.64	Y	Increased vac to -7.57
GIW-11	01/29/15							N	(replaced 1" rod seal, pump operational)
GIW-11	01/30/15							Y	
GIW-11	02/02/15								
GIW-11	02/03/15							Y	
GIW-11	02/04/15							Y	
GIW-11	02/05/15							N	(Replaced bottom seal and memolube)
GIW-11	02/06/15	1.8	61.8	0	36.4	126.9	10.13	Y	Increased vac to -5.92
GIW-11	02/09/15							Y	
GIW-11	02/10/15							Y	
GIW-11	02/11/15	1.8	60.1	0.1	38	168.8	-3.71	Y	Increased vac to -11.42
GIW-11	02/12/15							Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	02/13/15							Y	
GIW-11	02/16/15							Y	
GIW-11	02/17/15							Y	
GIW-11	02/18/15							Y	
GIW-11	02/19/15							Y	
GIW-11	02/20/15	2.6	61.7	3.3	32.4	150.9	-18.44	Y	Decreased vac to -14.65 (Replaced bottom seal)
GIW-11	02/23/15							Y	
GIW-11	02/24/15							Y	
GIW-11	02/25/15							Y	
GIW-11	02/26/15							Y	
GIW-11	02/27/15							Y	
GIW-11	02/28/15	6.9	32.1	3.7	57.3	141.5	-23.9	Y	Decreased vac to -22.2
GIW-11	03/01/15							Y	
GIW-11	03/02/15							Y	
GIW-11	03/03/15							Y	
GIW-11	03/04/15	2.2	54.8	4.9	38.1	139.8	-19.54	Y	Decreased vac to -12.27
GIW-11	03/05/15							Y	
GIW-11	03/06/15	1.6	50.5	2.3	45.6	169.3	0.57	Y	
GIW-11	03/07/15							Y	
GIW-11	03/08/15							Y	
GIW-11	03/09/15	3.2	59	1.9	35.9	153	-14.59	Y	Decreased vac to -10.68
GIW-11	03/10/15	2.3	62.7	0.1	34.9	169.2	2.26	Y	Increased vac to -0.83
GIW-11	03/11/15							Y	
GIW-11	03/12/15							Y	
GIW-11	03/13/15							Y	
GIW-11	03/14/15							Y	
GIW-11	03/15/15							Y	
GIW-11	03/16/15							Y	
GIW-11	03/17/15							Y	
GIW-11	03/18/15	2	58.7	1.6	37.7	165.2	-11.05	Y	Decreased vac to -8.61
GIW-11	03/19/15							Y	
GIW-11	03/20/15	2.8	52.1	2.8	42.3	164.6	-16.79	Y	Decreased vac to -10.74
GIW-11	03/21/15							Y	
GIW-11	03/22/15							Y	
GIW-11	03/23/15							Y	
GIW-11	03/24/15	4.1	62.2	0.3	33.4	163.2	1.32	Y	Increased vac to -0.02
GIW-11	03/25/15							Y	
GIW-11	03/26/15	3.3	58.9	2.1	35.7	140.7	-21.49	Y	Decreased vac to -19.54
GIW-11	03/27/15							Y	
GIW-11	03/28/15							Y	
GIW-11	03/29/15							Y	
GIW-11	03/30/15							Y	
GIW-11	03/31/15	2.3	64.1	0	33.6	167.9	1.08	N	Increased vac to 0.49 (Replaced bottom seal)
GIW-11	04/01/15							Y	
GIW-11	04/02/15	1.7	65	0	33.3	158.1	-19.96	Y	Decreased vac to -17.03
GIW-11	04/03/15							Y	
GIW-11	04/04/15							Y	
GIW-11	04/05/15							Y	
GIW-11	04/06/15							Y	
GIW-11	04/07/15							N	Replaced bottom seal
GIW-11	04/08/15							Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-11	04/09/15							N	Replaced bottom seal
GIW-11	04/10/15	2.3	61.4	0.9	35.4	167.3	-3.69	Y	Decreased vac to -2.22
GIW-11	04/11/15							Y	
GIW-11	04/12/15							Y	
GIW-11	04/13/15							Y	
GIW-11	04/14/15							N	Replaced bottom seal
GIW-11	04/15/15							Y	
GIW-11	04/16/15	1.7	69.5	0	28.8	175	1.2	Y	Increased vac to 0.8
GIW-11	04/17/15							Y	
GIW-11	04/18/15							Y	
GIW-11	04/19/15							Y	
GIW-11	04/20/15							Y	
GIW-11	04/21/15	2.7	62.7	2	32.6	166.3	-7.69	N	Decreased vac to -1.89 (Replaced bottom seal)
GIW-11	04/22/15							Y	
GIW-11	04/23/15							Y	
GIW-11	04/24/15							Y	
GIW-11	04/25/15							Y	
GIW-11	04/26/15							Y	
GIW-11	04/27/15							Y	
GIW-11	04/28/15							Y	
GIW-11	04/29/15							Y	
GIW-11	04/30/15	3.1	58	1.2	37.7	167.9	-1.84	Y	Decreased vac to -1.01
GIW-11	05/01/15							Y	
GIW-11	05/02/15							Y	
GIW-11	05/03/15							Y	
GIW-11	05/04/15							Y	
GIW-11	05/05/15							Y	
GIW-11	05/06/15	3	56	1.8	39.2	168.5	-2.7	Y	Increased vac to -2.82
GIW-11	05/07/15							Y	
GIW-11	05/08/15							Y	
GIW-11	05/09/15							Y	
GIW-11	05/10/15							Y	
GIW-11	05/11/15							Y	
GIW-11	05/12/15							N	Replaced bottom seal
GIW-11	05/13/15							Y	
GIW-11	05/14/15	2.5	59.9	2.8	34.8	166	-2.9	Y	
GIW-11	05/15/15							Y	

GIW-11 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	01/01/14	7.2	74.5	0	18.3	155	0	NA	Increased vac to -0.3 inches
GIW-12	01/03/14	6.5	71.5	0	22	153	-0.2	Y	Increased vac to -0.3 inches
GIW-12	01/13/14	5.9	78.2	0	15.9	162	-0.3	Y	Increased vac to -0.6 inches
GIW-12	01/15/14	5.1	72.4	1.9	20.6	154	-0.1	Y	(pump eval on 16th)
GIW-12	01/17/14	5.3	77.8	0	16.9	158	-0.3	Y	
GIW-12	01/20/14	3.9	78.9	0	17.2	163	0	Y	Increased vac to -0.2 inches
GIW-12	01/22/14	6.4	77	0	16.6	161	-0.9	Y	
GIW-12	01/24/14	5.6	75.4	0	19	160	-0.7	Y	
GIW-12	01/27/14	6.3	77.1	0	16.6	161	-1	Y	
GIW-12	01/29/14	3.8	68.5	1.6	26.1	165	-1.3	Y	Decreased vac to -0.8 inches
GIW-12	02/03/14	2.1	71.9	0.9	25.1	165	-0.5	Y	
GIW-12	02/05/14	2.4	64.1	3.3	30.2	156	-1	Y	Decreased vac to -0.7
GIW-12	02/07/14	2.6	74.4	0	23	162	0.7	Y	Increased vac to -0.3
GIW-12	02/10/14	3	59.2	4.7	33.1	164	-1.6	Y	Decreased vac to -0.4 inches
GIW-12	02/12/14	3	72.6	0	24.4	170	0.2	Y	Increased vac to -0.2 inches
GIW-12	02/14/14	2.5	72.9	0	24.6	170	-0.3	Y	Increased vac to -0.4 inches
GIW-12	02/17/14	2.8	74.6	0	22.6	168	-0.3	Y	Increased vac to -0.5 inches
GIW-12	02/19/14	2.8	74.3	0	22.9	173	-0.7	N	Increased vac to -0.9 inches (bad piston, needs replaced)
GIW-12	02/21/14	3.3	73	0	23.7	173	-0.6	N	Increased vac to -0.9 inches (piston needs replaced)
GIW-12	02/24/14	4	69.2	1.6	25.2	172	-1.1	Y	
GIW-12	02/26/14	3.9	66.6	2.4	27.1	170	-1.4	N	Decreased vac to -0.7 inches (needs piston)
GIW-12	02/28/14	2.3	74	0	23.7	170	-0.4	N	Increased vac to -0.7 inches
GIW-12	03/03/14	2.8	70.6	2	24.6	171	-1.2	N	Decreased vac to -0.6 inches (Piston needs replaced)
GIW-12	03/05/14	1.6	79.8	0	18.6	174	-0.3	N	Increased vac to -0.4 inches (needs piston)
GIW-12	03/07/14	3.7	73.8	1.1	21.4	172	-1.4	Y	
GIW-12	03/10/14	1.4	76.2	0	22.4	178	-0.5	Y	Increased vac to -0.6 inches
GIW-12	03/12/14	2.6	75.9	0	21.5	174	-0.9	Y	Increased vac to -1.0 inches
GIW-12	03/14/14	2.1	77.4	0	20.5	175	-0.5	Y	Increased vac to -0.8 inches
GIW-12	03/17/14	3.5	76.9	0	19.6	176	-1.5	Y	Increased vac to -1.7 inches
GIW-12	03/19/14	5.2	69.8	2.1	22.9	163	-1.9	Y	
GIW-12	03/20/14	5.9	63.2	2.8	28.1	170	-1.5	N	Decreased vac to -0.9 inches (replaced 1" rod seal)
GIW-12	03/24/14	3.2	72.7	0.2	23.9	174	-1.8	N	Replaced 1" rod seal - pump operational
GIW-12	03/26/14	2.4	74.4	0	23.2	176	-2.4	N	Increased vac to -2.6 inches (1" rod seal needs replaced)
GIW-12	03/28/14	1.8	73.4	0	24.8	177	-1.7	N	Increased vac to -2.3 inches (1" rod seal needs replaced)
GIW-12	03/31/14	2.2	75	0	22.8	171	-6.4	N	Decreased vac to -4.8 inches (1" seal needs replaced)
GIW-12	04/02/14	1.8	75.1	0	23.1	174	-2.2	N	Increased vac to -2.7 inches (1" rod seal needs replaced)
GIW-12	04/03/14	1.3	74.7	0	24	171	-18.7	N	Decreased vac to -18.1 inches (1" rod seal replaced)
GIW-12	04/05/14	2.1	75.4	0	22.5	176	-0.2	na	Increased vac to -0.3 inches
GIW-12	04/07/14	2.2	74.2	0	23.6	176	-0.5	Y	Increased vac to -0.8 inches
GIW-12	04/08/14	2.6	70	1	26.4	172	-1	Y	
GIW-12	04/09/14	2.7	67.1	1.7	28.5	171	-0.9	Y	Decreased vac to -0.5 inches
GIW-12	04/10/14	2.5	69.5	1	27	170	-0.7	na	
GIW-12	04/11/14	2.3	70.9	0.7	26.1	173	-0.4	na	
GIW-12	04/14/14	2.9	67.3	1.6	28.2	167	-0.9	Y	Decreased vac to -0.5 inches
GIW-12	04/15/14	2.5	73.2	0	24.3	168	-0.1	Y	Increased vac to -0.2 inches
GIW-12	04/16/14	3.1	71.9	0.4	24.6	168	-0.4	Y	
GIW-12	04/17/14	3.1	69.9	0.8	26.2	168	-0.5	Y	Decreased vac to -0.3 inches
GIW-12	04/18/14	2.9	65.3	1.8	30	175	-1.1	na	Decreased vac to -0.8 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	04/21/14	2.8	65.8	2.1	29.3	169	-0.8	Y	Decreased vac to -0.6 inches
GIW-12	04/22/14	2.8	67.9	1.9	27.4	169	-0.3	Y	
GIW-12	04/23/14	2.7	71.6	0.5	25.2	168	-0.3	Y	
GIW-12	04/24/14	2.8	72.9	0	24.3	171	0	Y	Increased vac to -0.2 inches
GIW-12	04/25/14	2.4	73.7	0	23.9	169	0.1	N	Increased vac to -0.2 inches (bottom seal blown)
GIW-12	04/28/14	2.4	72.3	0	25.3	167	-0.2	Y	increased vac to -0.3 inches
GIW-12	04/29/14	2.4	69.4	0	28.2	170	0.1	Y	increased vac to -0.1 inches
GIW-12	04/30/14	4	63.2	2.7	30.1	165	-1	Y	decreased vac to -0.8 inches
GIW-12	05/01/14	3.2	65.2	1.8	29.8	165	-0.6	na	decreased vac to -0.5 inches
GIW-12	05/02/14	3.1	69.2	0.9	26.8	167	-0.5	Y	
GIW-12	05/05/14	2.8	72.6	0	24.6	171	0.1	Y	increased vac to -0.1 inches
GIW-12	05/06/14	2.7	70.4	0	26.9	171	-1	Y	increased vac to -1.6 inches
GIW-12	05/07/14	6.1	59.6	3	31.3	169	-2.1	Y	decreased vac to -1.7 inches
GIW-12	05/08/14	4.6	61.2	2.6	31.6	168	-1.4	Y	decreased vac to -0.9 inches
GIW-12	05/09/14	3.2	62.6	2.1	32.1	167	-0.9	Y	decreased vac to -0.8 inches
GIW-12	05/12/14	2.9	70.1	0.5	26.5	170	-0.5	Y	
GIW-12	05/13/14	2.4	72.7	0	24.9	172	-0.4	Y	increased vac to -0.6 inches
GIW-12	05/16/14	2.5	71.5	0	26	170	-0.4	Y	increased vac to -0.6 inches (evaluation completed on the 15th)
GIW-12	05/19/14	2.6	72.2	0	25.2	172	-0.6	Y	increased vac to -0.7 inches
GIW-12	05/20/14	2	72.6	0	25.4	172	-0.3	na	increased vac to -0.6 inches
GIW-12	05/21/14	2.2	67.8	0.8	29.2	173	-0.7	Y	
GIW-12	05/22/14	2.1	65.2	1.7	31	172	-0.9	Y	decreased vac to -0.7 inches
GIW-12	05/23/14	3.6	69.4	0.9	26.1	174	-0.6	na	
GIW-12	05/27/14	2.2	67.7	0	30.1	175	-0.1	na	Increased vac to -0.2 inches
GIW-12	05/28/14	2.3	68.9	0.4	28.4	174	-0.3	Y	
GIW-12	05/29/14	2.2	67.3	0.8	29.7	174	-0.3	Y	
GIW-12	05/30/14	2	68.6	0	29.4	175	-0.5	na	Increased vac to -0.6 inches
GIW-12	06/02/14	2.5	64.7	1.7	31.1	172	-0.5	Y	No change in vac pressure
GIW-12	06/03/14	2.3	68.9	0.5	28.3	172	-0.2	Y	
GIW-12	06/04/14	2.2	70.4	0	27.4	173	-0.1	Y	No change in vac pressure
GIW-12	06/05/14	2.1	68.7	0.2	29	170	-0.4	Y	
GIW-12	06/06/14	2.2	73	0	24.8	174	-0.2	Y	Increased vac to -0.3 inches
GIW-12	06/09/14	2.2	72.3	0	25.5	173	-0.3	Y	Increased vac to -0.4 inches
GIW-12	06/10/14	2.5	69.4	0.5	27.6	172	-0.6	na	
GIW-12	06/11/14	5	62.6	1.9	30.5	169	-0.7	Y	Decreased vac to -0.6 inches
GIW-12	06/12/14	6.1	62.2	1.8	29.9	170	-0.5	Y	Decreased vac to -0.4 inches
GIW-12	06/13/14	2.4	70.1	0	27.5	172	-0.2	Y	Increased vac to -0.3 inches
GIW-12	06/16/14	3.1	67.6	0.6	28.7	173	-0.4	Y	
GIW-12	06/17/14	2.4	70	0	27.6	173	0	Y	Increased vac to -0.1
GIW-12	06/19/14	3.2	62.1	2.3	32.4	170	-0.8	Y	Decreased vac to -0.7
GIW-12	06/20/14	2.2	70.9	0	26.9	174	-0.2	Y	Increased vac to -0.3
GIW-12	06/23/14	6.8	54.2	3.7	35.3	167	-1	Y	Decreased vac to -0.8
GIW-12	06/24/14	2.7	70.7	0	26.6	171	-0.4	Y	Decreased vac to -0.1
GIW-12	06/25/14	2.6	67.7	0	29.7	173	0	Y	Increased vac to -0.1
GIW-12	06/26/14	2.9	66.9	0.6	29.6	173	-0.5	N	Increased vac to -0.6 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-12	06/27/14	4.8	57.7	3.5	34	171	-0.9	Y	Decreased vac to -0.7
GIW-12	06/30/14	2.3	68.5	0.5	28.7	173	-0.2	NA	
GIW-12	07/01/14	2.2	63.6	2	32.2	171	-0.4	NA	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	07/03/14	2.7	64.4	1.9	31	171	-0.4	NA	
GIW-12	07/07/14	2.4	65.9	1.2	30.5	172	-0.4	Y	
GIW-12	07/08/14	4.1	67.8	0.7	27.4	172	-0.4	Y	
GIW-12	07/09/14	2.5	68.5	0.3	28.7	171	-0.2	Y	
GIW-12	07/10/14	2.4	66.6	1	30	174	-0.2	Y	(refilled memo and 4-way oil)
GIW-12	07/11/14	3.2	62.7	1	33.1	171	-0.6	Y	
GIW-12	07/14/14	2.2	69.4	0	28.4	173	0	Y	Increased vac to -0.1
GIW-12	07/15/14	3.2	60	3.1	33.7	170	-1	Y	Decreased vac to -0.8 (replaced 1" rod seal, pump operational)
GIW-12	07/16/14	2.9	64	1.7	31.4	173	-0.4	Y	
GIW-12	07/17/14	2.8	63.9	2.1	31.2	173	-0.5	Y	Decreased vac to -0.4
GIW-12	07/18/14	2.4	67	0.8	29.8	174	-0.3	Y	
GIW-12	07/21/14	2.2	67.9	0	29.9	176	-0.1	Y	
GIW-12	07/22/14	2.4	65.7	1.3	30.6	174	-0.2	Y	
GIW-12	07/23/14	2.4	65.7	1.3	30.6	174	-0.4	Y	
GIW-12	07/24/14	2.5	65.3	1.3	30.9	174	-0.4	Y	
GIW-12	07/25/14	2.4	66.2	0.9	30.5	175	-0.4	Y	
GIW-12	07/28/14	2.4	65.3	1.4	30.9	174	-0.5	Y	
GIW-12	07/29/14	2.1	67.3	0.6	30	175	-0.3	Y	
GIW-12	07/30/14	2	68.7	0.2	29.1	176	-0.2	Y	
GIW-12	07/31/14	1.8	70.5	0	27.7	177	-0.4	Y	
GIW-12	08/01/14	1.9	69.5	0.2	28.4	177	-0.2	Y	
GIW-12	08/04/14	1.9	68.2	0	29.9	177	-0.2	Y	
GIW-12	08/05/14	2	62.8	2.2	33	174	-0.7	Y	
GIW-12	08/06/14	2.2	64.4	1.5	31.9	176	-0.5	Y	
GIW-12	08/07/14							Y	
GIW-12	08/08/14	2.4	63.2	1.8	32.6	174	-0.4	Y	
GIW-12	08/11/14	1.9	68.6	0.4	29.1	175	-0.2	Y	
GIW-12	08/12/14	2	69.2	0.3	28.5	176	-0.2	Y	
GIW-12	08/13/14	1.9	68	0.3	29.8	177	-0.2	Y	
GIW-12	08/14/14	1.9	69.3	0	28.8	177	-0.2	Y	
GIW-12	08/15/14	1.9	67.3	0.6	30.2	175	-0.4	Y	
GIW-12	08/18/14	2	67	0.6	30.4	178	-0.2	Y	
GIW-12	08/19/14	2.1	64.7	0.9	32.3	177	-0.3	Y	
GIW-12	08/20/14	2.6	62.2	1.5	33.7	175	-0.4	Y	
GIW-12	08/21/14	2.2	63	1.6	33.2	176	-0.2	Y	
GIW-12	08/22/14	2	64.2	1.2	32.6	177	-0.3	Y	
GIW-12	08/25/14	2.2	65.1	0.7	32	178	-0.3	Y	
GIW-12	08/26/14	2.2	62.3	1.3	34.2	175	-0.2	Y	
GIW-12	08/27/14	2.2	63	1.2	33.6	176	-0.5	Y	
GIW-12	08/28/14	2.2	61.4	1.4	35	175	-0.6	Y	
GIW-12	08/29/14	2.2	64.4	1.2	32.2	176	-0.4	Y	
GIW-12	09/01/14							Y	
GIW-12	09/02/14	2.2	63.3	1.8	32.7	175	-0.5	Y	
GIW-12	09/03/14	1.9	64.9	0.8	32.4	165	-0.2	N	(1" rod seal needs to be replaced)
GIW-12	09/04/14	2	65.9	0.8	31.3	175	-0.4	N	(1" rod seal needs to be replaced)
GIW-12	09/05/14	1.9	66.1	0.6	31.4	175	-0.3	N	(replaced 1" rod seal, pump operational)
GIW-12	09/08/14							NA	(Not Available due to safe access conditions)
GIW-12	09/09/14							NA	(Not Available due to safe access conditions)

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	09/10/14							NA	(Not Available due to safe access conditions)
GIW-12	09/11/14							NA	(Not Available due to safe access conditions)
GIW-12	09/12/14							NA	(Not Available due to safe access conditions)
GIW-12	09/15/14							Y	
GIW-12	09/16/14							Y	
GIW-12	09/17/14							Y	
GIW-12	09/18/14							Y	
GIW-12	09/19/14	3.7	55.8	3.7	36.8	174	-0.6	N	(replaced 1" rod seal, pump operational)
GIW-12	09/22/14	2.6	70.4	0.3	26.7	180	-0.3	Y	
GIW-12	09/23/14	2	66.6	0	31.4	179	-0.1	Y	Increased vac to -3
GIW-12	09/24/14	2.5	56.3	2.2	39	177.2	-0.63	Y	Decreased vac to -0.33
GIW-12	09/25/14	5.1	60.7	0.5	33.7	178.2	-0.31	Y	
GIW-12	09/26/14	2.1	61.3	0.1	36.5	181.4	-0.14	Y	
GIW-12	09/29/14	2.3	54	3.2	40.5	177.2	-0.78	Y	Decreased vac to -0.64
GIW-12	09/30/14	1.9	54	2.9	41.2	176.7	-0.6	Y	Decreased vac to -0.48
GIW-12	10/01/14	3	57.6	1.8	37.6	177.2	-0.34	Y	
GIW-12	10/02/14	5.7	57.3	1.5	35.5	176.7	-0.32	Y	
GIW-12	10/03/14							Y	
GIW-12	10/06/14	7.7	53	1.3	38	177.2	-0.27	Y	Increased vac to -0.28
GIW-12	10/07/14	2.9	55.6	1.5	40	177.3	-0.34	Y	
GIW-12	10/08/14							N	(1" rod seal needs replaced)
GIW-12	10/09/14	0	50.6	0.2	49.2	177.2	-0.23	N	(1" rod seal needs replaced)
GIW-12	10/10/14							N	(1" rod seal needs replaced)
GIW-12	10/13/14	0	47.4	0	52.6	176.2	-0.32	Y	
GIW-12	10/14/14							Y	
GIW-12	10/15/14	2.4	66.3	0.8	30.5	175	-0.4	N	(1" rod seal needs replaced)
GIW-12	10/16/14	2.1	65.9	0.5	31.5	178	-0.2	N	(1" rod seal needs replaced)
GIW-12	10/17/14	1.6	56.5	3.3	38.6	180	-0.3	N	(1" rod seal needs replaced)
GIW-12	10/20/14	2.2	68.3	0	29.5	175	-0.5	N	(1" rod seal needs replaced)
GIW-12	10/21/14	2.1	68.5	0	29.4	180	-0.2	N	(1" rod seal needs replaced)
GIW-12	10/22/14	2.1	67.4	0	30.5	178	-0.1	N	(1" rod seal needs replaced)
GIW-12	10/23/14	2.4	68.1	0	29.5	179	-0.3	N	(replaced 1" rod seal, pump operational)
GIW-12	10/24/14	1.9	72	0	26.1	179	-0.5	Y	
GIW-12	10/27/14	2	67.6	0	30.4	177	-0.1	N	(replaced 1" rod seal, pump operational)
GIW-12	10/28/14	2.2	66.9	0.1	30.8	178	-0.2	Y	
GIW-12	10/29/14	2.6	66.3	0	31.1	175	-0.2	N	(Replaced four way valve - pump operational)
GIW-12	10/30/14	2.3	67.1	0	30.6	177	-0.2	Y	
GIW-12	10/31/14	2.7	64.3	0.8	32.2	170	-0.6	Y	
GIW-12	11/03/14	2.3	68.5	0.1	29.1	176	-0.5	Y	
GIW-12	11/04/14	2.4	70.9	0.5	26.2	175	-0.3	N	(Replace 1" rod seal, pump operational)
GIW-12	11/05/14	2.7	64.7	0.6	32	176	-0.5	Y	
GIW-12	11/06/14							Y	
GIW-12	11/07/14	3.2	64.4	0.3	32.1	175	-0.3	Y	
GIW-12	11/10/14							Y	
GIW-12	11/11/14							Y	
GIW-12	11/12/14	2.6	62.6	1.9	32.9	171	-0.8	Y	Increased vac to -0.9
GIW-12	11/13/14							Y	
GIW-12	11/14/14	2.5	63.8	1.2	32.5	170	-0.4	Y	

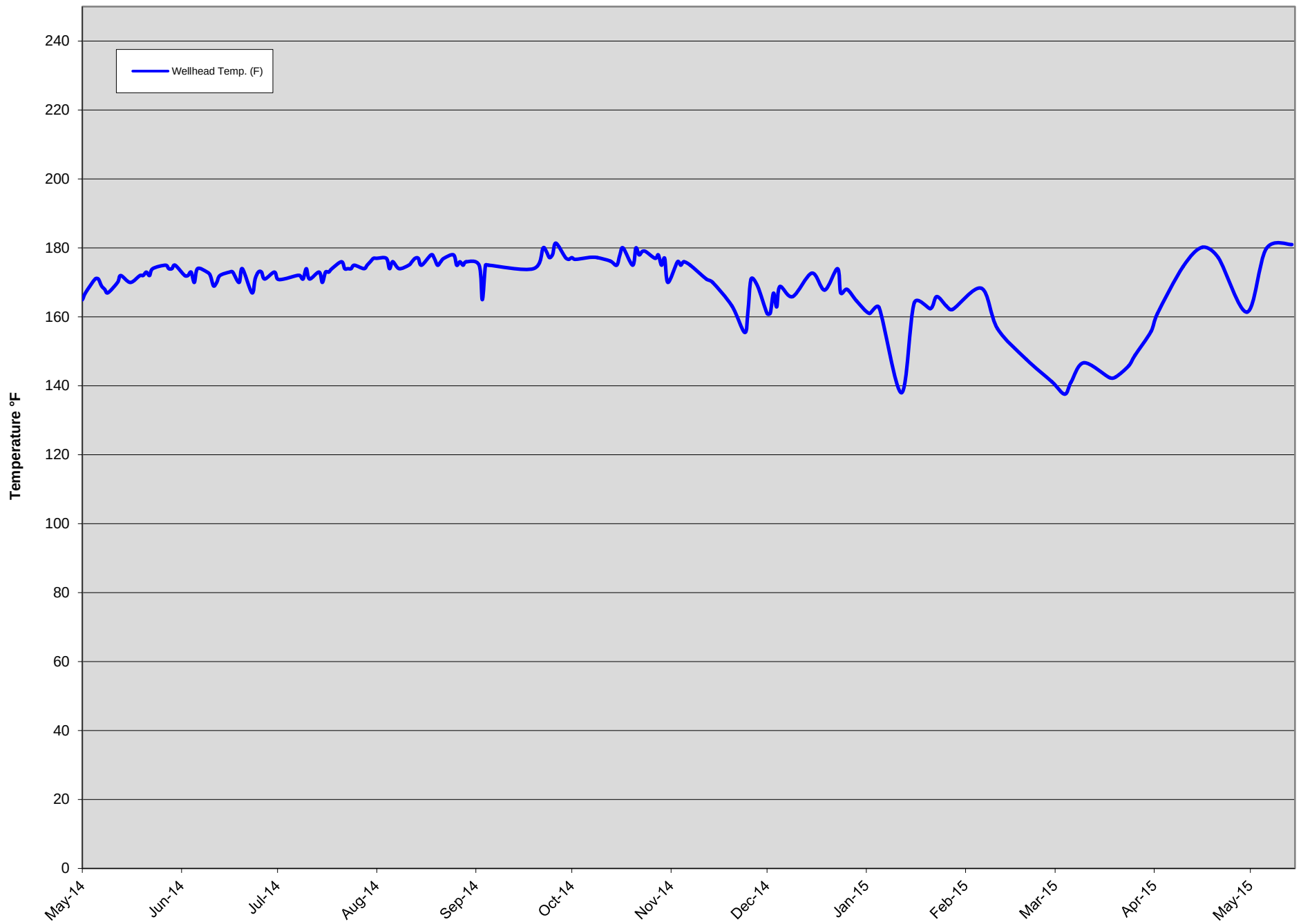
GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	11/17/14							Y	
GIW-12	11/18/14							Y	
GIW-12	11/19/14							Y	
GIW-12	11/20/14	2.8	55.3	2.3	39.6	163.2	-0.66	Y	
GIW-12	11/21/14							N	(Replaced female cam gasket and 1" rod seal, pump operational)
GIW-12	11/24/14	2.4	53	2.7	41.9	155.5	-0.89	Y	
GIW-12	11/25/14	2.7	55.1	1.9	40.3	161.4	-0.5	Y	
GIW-12	11/26/14	2.5	68.4	1.8	27.3	171	-0.3	N	(Replaced four way valve - pump operational)
GIW-12	11/27/14								
GIW-12	11/28/14	2.4	68.9	1	27.7	169	-0.2	Y	
GIW-12	12/01/14	1.5	59.6	3	35.9	161	-0.71	Y	
GIW-12	12/02/14	2.3	53.1	1.9	42.7	161.1	-0.51	Y	
GIW-12	12/03/14	2.6	50.5	1.5	45.4	166.9	-0.54	Y	
GIW-12	12/04/14	1.7	58.2	0.7	39.4	162.9	-0.4	Y	
GIW-12	12/05/14	4.9	45.7	1.2	48.2	168.8	-0.47	Y	
GIW-12	12/08/14							Y	
GIW-12	12/09/14	2.6	58.4	0.8	38.2	165.9	-0.55	N	Decreased vac to -0.52 (Replaced cylinder cap and four way valve - pump operational)
GIW-12	12/10/14							Y	
GIW-12	12/11/14							Y	
GIW-12	12/12/14							Y	
GIW-12	12/15/14	1.5	55.2	0	43.3	172.7	-0.07	Y	
GIW-12	12/16/14							Y	
GIW-12	12/17/14							N	(Replaced four way valve - pump operational)
GIW-12	12/18/14							Y	
GIW-12	12/19/14	0.2	67.7	2.1	30	167.8	-0.83	Y	
GIW-12	12/22/14							N	(Replaced four way valve - pump operational)
GIW-12	12/23/14	2.5	66.3	1	30.2	174	-0.5	N	(Replaced cylinder slide - pump operational)
GIW-12	12/24/14	2.7	67.6	1.8	27.9	167	-0.8		
GIW-12	12/25/14								
GIW-12	12/26/14	2.2	62.3	2.6	32.9	168	-1.1	Y	Decreased vac to -0.5
GIW-12	12/29/14	2.2	62.9	0.1	34.8	164.6	-0.28		
GIW-12	12/30/14							N	(replaced 1" rod seal, pump operational)
GIW-12	12/31/14								
GIW-12	01/01/15								
GIW-12	01/02/15	1.8	55.9	0	42.3	161	-0.17		
GIW-12	01/05/15	3.1	58.4	0	38.5	162.7	-0.15		
GIW-12	01/06/15								
GIW-12	01/07/15								
GIW-12	01/08/15								
GIW-12	01/09/15								
GIW-12	01/12/15	2.7	58.2	0.2	38.9	138	-0.31	Y	
GIW-12	01/13/15							Y	
GIW-12	01/14/15							Y	
GIW-12	01/15/15							Y	
GIW-12	01/16/15	2.1	62.5	0	35.4	164.1	-0.03	Y	(replaced 1" rod seal, pump operational)
GIW-12	01/19/15							Y	
GIW-12	01/20/15							N	(replaced 1" rod seal, pump operational)
GIW-12	01/21/15	2.9	56.8	2.4	37.9	162.4	-1.82	Y	Decreased vac to -1.48

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	01/22/15							N	(Replaced the Rod assembly , cylinder cam and head, four way vavle, 1" rod seal and 1 1/4" cam lock - pump operational)
GIW-12	01/23/15	3.3	53	2.6	41.1	165.9	-1.72	Y	Decreased vac to -1.52 (replaced 1" rod seal, pump operational)
GIW-12	01/26/15	2.4	54.1	1.9	41.6	163.2	-0.77	Y	
GIW-12	01/27/15							Y	
GIW-12	01/28/15	3.2	53.2	1.9	41.7	162.2	-0.9	Y	
GIW-12	01/29/15							Y	
GIW-12	01/30/15							Y	
GIW-12	02/02/15								
GIW-12	02/03/15							Y	
GIW-12	02/04/15							Y	
GIW-12	02/05/15							N	(Replaced bottom seal)
GIW-12	02/06/15	2.6	62.7	0	34.7	168.3	0.67	Y	
GIW-12	02/09/15							Y	
GIW-12	02/10/15							Y	
GIW-12	02/11/15	4.3	33.9	7.3	54.5	156.6	-7.39	Y	
GIW-12	02/12/15							Y	
GIW-12	02/13/15							Y	
GIW-12	02/16/15							Y	
GIW-12	02/17/15							Y	
GIW-12	02/18/15							Y	
GIW-12	02/19/15							Y	
GIW-12	02/20/15	2.2	41.3	8.4	48.1	147.7	-8.3	Y	Decreased vac to -7.26
GIW-12	02/23/15							N	(Changed bottom seal and pump is moving liquid)
GIW-12	02/24/15							Y	
GIW-12	02/25/15							Y	
GIW-12	02/26/15							Y	
GIW-12	02/27/15							Y	
GIW-12	02/28/15	3.2	32	10.9	53.9	141.2	-6.59	Y	Decreased vac to -6.34
GIW-12	03/01/15							Y	
GIW-12	03/02/15							Y	
GIW-12	03/03/15							Y	
GIW-12	03/04/15	2.8	28.9	12	56.3	137.6	-5.56	Y	Decreased vac to -4.4
GIW-12	03/05/15							Y	
GIW-12	03/06/15	3.5	17.7	12.3	66.5	141.1	-6.84	Y	
GIW-12	03/07/15							Y	
GIW-12	03/08/15							Y	
GIW-12	03/09/15							Y	
GIW-12	03/10/15	3.8	31.7	9.6	54.9	146.7	-2.92	Y	Decreased vac to -2.29
GIW-12	03/11/15							Y	
GIW-12	03/12/15							N	Airbox replaced
GIW-12	03/13/15							Y	
GIW-12	03/14/15							Y	
GIW-12	03/15/15							Y	
GIW-12	03/16/15							Y	
GIW-12	03/17/15							Y	
GIW-12	03/18/15	2.4	39.5	7.6	50.5	142.4	-4.78	Y	Decreased vac to -3.85
GIW-12	03/19/15							Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	03/20/15	3.8	30.4	9.8	56	142.6	-5.31	Y	Decreased vac to -4.69
GIW-12	03/21/15							Y	
GIW-12	03/22/15							Y	
GIW-12	03/23/15							Y	
GIW-12	03/24/15	2.8	40.3	8.8	48.1	145.8	-4.03	Y	Decreased vac to -3.48
GIW-12	03/25/15							Y	
GIW-12	03/26/15	2.6	38.8	9.2	49.4	148.9	-3.59	Y	Decreased vac to -2.94
GIW-12	03/27/15							Y	
GIW-12	03/28/15							Y	
GIW-12	03/29/15							Y	
GIW-12	03/30/15							Y	
GIW-12	03/31/15	3.8	38.5	8.4	49.3	155.8	-2.49	Y	Decreased vac to -1.28
GIW-12	04/01/15							Y	
GIW-12	04/02/15	2.7	49.8	6.1	41.4	161	-0.97	Y	Decreased vac to -0.86
GIW-12	04/03/15							Y	
GIW-12	04/04/15							Y	
GIW-12	04/05/15							Y	
GIW-12	04/06/15							Y	
GIW-12	04/07/15							Y	
GIW-12	04/08/15							N	Replaced bottom seal
GIW-12	04/09/15							Y	
GIW-12	04/10/15	2.4	58.1	3.1	36.4	174.6	-0.4	Y	Increased vac to -0.48
GIW-12	04/11/15							Y	
GIW-12	04/12/15							Y	
GIW-12	04/13/15							Y	
GIW-12	04/14/15							Y	
GIW-12	04/15/15							N	Replaced bottom seal
GIW-12	04/16/15	3	64.9	0.6	31.5	180.2	-0.24	Y	
GIW-12	04/17/15							Y	
GIW-12	04/18/15							Y	
GIW-12	04/19/15							Y	
GIW-12	04/20/15							Y	
GIW-12	04/21/15	3	51.3	3.9	41.8	177.2	-0.44	Y	Decreased vac to -0.4
GIW-12	04/22/15							Y	
GIW-12	04/23/15							Y	
GIW-12	04/24/15							Y	
GIW-12	04/25/15							Y	
GIW-12	04/26/15							Y	
GIW-12	04/27/15							Y	
GIW-12	04/28/15							Y	
GIW-12	04/29/15							Y	
GIW-12	04/30/15	6.2	40.3	7.3	46.2	161.4	-0.92	Y	Decreased vac to -0.88
GIW-12	05/01/15							Y	
GIW-12	05/02/15							Y	
GIW-12	05/03/15							Y	
GIW-12	05/04/15							Y	
GIW-12	05/05/15							Y	
GIW-12	05/06/15	5.9	57	1.5	35.6	179.8	-0.41	Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-12	05/07/15							Y	
GIW-12	05/08/15							Y	
GIW-12	05/09/15							Y	
GIW-12	05/10/15							Y	
GIW-12	05/11/15							Y	
GIW-12	05/12/15							Y	
GIW-12	05/13/15							Y	
GIW-12	05/14/15	3.7	71.4	0.4	24.5	181	-0.2	Y	
GIW-12	05/15/15							Y	

GIW-12 Wellhead Temperatures



GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	01/01/14	6.2	70	0	23.8	151	-4	NA	
GIW-13	01/03/14	5.6	68.6	0	25.8	145	-4.3	Y	
GIW-13	01/13/14	3.7	71.4	0	24.9	163	0.5	Y	Increased vac to -0.7 inches
GIW-13	01/15/14	3.4	63	3.1	30.5	149	-2.4	Y	Decreased vac to -1.7 inches (pump eval on 16th)
GIW-13	01/17/14	3.7	70.7	0	25.6	142	-1.8	Y	
GIW-13	01/20/14	3.6	71.8	0	24.6	152	-0.4	Y	
GIW-13	01/22/14	4.4	71.7	0	23.9	137	-4.9	Y	
GIW-13	01/24/14	3.6	69	0	27.4	140	-4.1	Y	
GIW-13	01/27/14	4	72.6	0.1	23.3	130	-5	Y	
GIW-13	01/29/14	3.5	68.7	0	27.8	137	-4.4	N	Need new push caps
GIW-13	02/03/14	2.7	69.1	0	28.2	147	-3.2	N	Increased vac to -3.6 inches
GIW-13	02/05/14	3	69	0.1	27.9	127	-2.1	N	Rod needs to be extended
GIW-13	02/07/14	3.3	68.2	0	28.5	148	3.4	Y	Increased vac to -2.2 inches
GIW-13	02/10/14	3.5	69.8	0.1	26.6	141	-5.1	Y	
GIW-13	02/12/14	3.1	69.7	0	27.2	154	-4.5	Y	
GIW-13	02/14/14	3.3	69.1	0	27.6	132	-7.8	N	Reduced vac to -6.0 inches (replaced 1" rod seal)
GIW-13	02/17/14	3.4	70.9	0	25.7	152	-2.8	Y	Reduced vac to -3.9 inches
GIW-13	02/19/14	4	70.3	0	25.7	162	-6.9	N	Decreased vac to -5.8 inches (piston needs replaced)
GIW-13	02/21/14	3.4	69	0	27.6	154	-4	Y	
GIW-13	02/24/14	4.2	70	0	25.8	136	-6.4	Y	Decreased vac to -5.3 inches
GIW-13	02/26/14	2.8	69.4	0	27.8	150	0	Y	Increased vac to -0.9 inches
GIW-13	02/28/14	2.4	69.8	0	27.8	145	-4	Y	replaced valve to improve operation
GIW-13	03/03/14	2.9	70.9	0	26.2	135	-4.8	Y	
GIW-13	03/05/14	1.8	73.9	0	24.3	155	-1.9	Y	Increased vac to -2.3 inches
GIW-13	03/07/14	3.9	74.5	0	21.6	144	-5	Y	
GIW-13	03/10/14	2	71.9	0	26.1	140	-3.9	N	(Replaced 1" road seal)
GIW-13	03/12/14	1.9	71.3	0	26.8	134	-4.1	Y	
GIW-13	03/14/14	2.3	74.8	0	22.9	153	1.2	Y	Increased vac to -1.2 inches
GIW-13	03/17/14	2.1	72.1	0	25.8	155	-7.2	N	Decreased vac to -6.2 inches (replaced 1" rod seal)
GIW-13	03/19/14	3.6	71.7	0	24.7	145	-4	Y	
GIW-13	03/20/14	3.7	69.3	0	27	156	-6.2	N	Decreased vac to -5.2 inches (replaced 1" rod seal)
GIW-13	03/24/14	2.6	61.4	1.6	34.4	59	-20.8	Y	Decreased vac to -5.1 inches
GIW-13	03/26/14	2.5	67.9	0	29.6	78	41.3	N	Increased vac to -0.9 inches (replaced 4-way valve)
GIW-13	03/28/14	1.4	64.6	0.9	33.1	112	-17.7	N	Decreased vac to -16.4 inches (1" rod seal needs replaced)
GIW-13	03/31/14	1.6	65	1.7	31.7	88	-22.9	N	Decreased vac to -20.1 inches (1" rod seal needs replaced)
GIW-13	04/02/14	1.7	65.8	1.3	31.2	88	-17.4	N	Decreased vac to -16 inches (1" rod seal needs replaced)
GIW-13	04/03/14	2.6	70.9	0	26.5	84	41.5	N	Increased vac to -0.3 inches (1" rod seal replaced)
GIW-13	04/05/14	3.5	69.3	0.3	26.9	156	-17.5	na	Decreased vac to -16.2 inches
GIW-13	04/07/14	3.7	68.9	0.2	27.2	162	-12.5	Y	Decreased vac to -11.8 inches
GIW-13	04/08/14	4.1	69.5	0	26.4	163	-8.8	Y	Decreased vac to -6.7 inches
GIW-13	04/09/14	5.6	67.6	0	26.8	162	-4.6	Y	
GIW-13	04/10/14	6.6	66.7	0	26.7	160	-4.4	na	
GIW-13	04/11/14	4	68.7	0	27.3	164	-4.1	na	
GIW-13	04/14/14	4.2	70.5	0	25.3	155	-4.1	Y	
GIW-13	04/15/14	3.9	69.2	0.1	26.8	158	-2.3	Y	Increased vac to -2.8 inches
GIW-13	04/16/14	4.5	69.8	0.1	25.6	158	-5.2	Y	
GIW-13	04/17/14	4.7	69.6	0	25.7	159	-4.4	Y	
GIW-13	04/18/14	4.3	70.5	0	25.2	163	-6.9	na	Decreased vac to -5.7 inches
GIW-13	04/21/14	3	70.1	0	26.9	156	-5.1	Y	
GIW-13	04/22/14	3	70.4	0	26.6	152	-6.5	Y	Decreased vac to -5.2 inches
GIW-13	04/23/14	2.8	67.4	0	29.8	152	-3.2	Y	Increased vac to -3.5 inches
GIW-13	04/24/14	2.7	70.1	0	27.2	154	-3.5	Y	Increased vac to -3.7 inches

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	04/25/14	2.8	70.5	0	26.7	154	-4	Y	
GIW-13	04/28/14	3	71.6	0	25.4	154	-6.2	Y	Decreased vac to -5.9 inches
GIW-13	04/29/14	2.8	69.8	0	27.4	149	-1.9	N	Increased vac to -2.2 inches (bad footvalve or broken rod)
GIW-13	04/30/14	3.8	70.7	0	25.5	151	-3.7	N	Increased vac to -4.2 inches (bad footvalve or broken rod)
GIW-13	05/01/14	3.4	69.4	0	27.2	151	-2.2	na	Increased vac to -2.6 inches
GIW-13	05/02/14	3.5	69.8	0	26.7	154	-2.3	N	Increased vac to -2.8 inches (replaced footvalve)
GIW-13	05/05/14	3.7	69.8	0	26.5	162	4.4	Y	Increased vac to -0.5 inches
GIW-13	05/06/14	3	69	0	28	165	-6.2	Y	decreased vac to -5.8 inches
GIW-13	05/07/14	3.8	68.1	0	28.1	163	-8.5	Y	decreased vac to -6.9 inches
GIW-13	05/08/14	2.9	68.6	0	28.5	163	-6.9	Y	decreased vac to -6 inches
GIW-13	05/09/14	2.8	68.7	0	28.5	158	-7	Y	decreased vac to -6.3 inches
GIW-13	05/12/14	2.6	69	0	28.4	159	-4.9	Y	
GIW-13	05/13/14	2.7	67.5	0	29.8	159	-6.1	Y	decreased vac to -5.5 inches
GIW-13	05/16/14	2.2	67.4	0	30.4	156	-3.1	N	Increased vac to -4 inches (pump needs pulled for maintenance, evaluation completed on the 15th)
GIW-13	05/19/14	2.3	69.5	0	28.2	160	-0.8	N	increased vac to -1.8 inches (bad footvalve)
GIW-13	05/20/14	2.2	69.1	0	28.7	160	-0.8	na	increased vac to -1.3 inches
GIW-13	05/21/14	2.1	67.7	0	30.2	163	-2.1	Y	Increased vac to -2.6 inches
GIW-13	05/22/14	2.1	68.1	0	29.8	162	-2.2	Y	increased vac to -2.8 inches
GIW-13	05/23/14	2.3	68.1	0	29.6	169	-0.5	na	
GIW-13	05/27/14	2.1	66.4	0	31.5	169	4.6	na	Increased vac to -0.3 inches
GIW-13	05/28/14	1.8	67.5	0	30.7	169	-6	Y	Decreased vac to -5 inches
GIW-13	05/29/14	1.9	66.3	0	31.8	169	-5	Y	
GIW-13	05/30/14	1.4	67.1	0	31.5	169	-5.7	na	Decreased vac to -5.3 inches
GIW-13	06/02/14	2	67.5	0	30.5	162	-8.5	Y	Decreased vac to -7.7 inches
GIW-13	06/03/14	1.9	66.4	0	31.7	167	-4.5	N	(replaced 4-way valve, pump operational)
GIW-13	06/04/14	2	66.4	0	31.6	161	-4.7	N	(bad 4-way valve)
GIW-13	06/05/14	1.9	64.4	0	33.7	160	-5.8	N	Decreased vac to -5.4 inches (replaced 4-way valve, pump operational)
GIW-13	06/06/14	2.6	64	0	33.4	164	-3.2	Y	Increased vac to -3.4 inches
GIW-13	06/09/14	4.8	67.7	0	27.5	160	-4.5	N	(replaced pump with a rebuilt one, pump operational)
GIW-13	06/10/14	4.9	66.4	0	28.7	162	-5.1	na	
GIW-13	06/11/14	7.1	64.9	0	28	158	-6.7	N	Decreased vac to -6.1 inches (replaced 4-way valve, pump operational)
GIW-13	06/12/14	8.7	65.6	0	25.7	161	-6.5	Y	Decreased vac to -6.1 inches
GIW-13	06/13/14	7.1	66.2	0	26.7	158	-4.4	Y	
GIW-13	06/16/14	5.2	65.7	0	29.1	165	-3.6	N	Increased vac to -4.4 (replaced cylinder cap, pump operational)
GIW-13	06/17/14	4.2	65.6	0	30.2	160	0.9	Y	Increased vac to -0.1
GIW-13	06/19/14	2.3	66.6	0	31.1	166	-4.5	Y	
GIW-13	06/20/14	2	65.3	0	32.7	167	-2.1	N	Increased vac to -2.8 (replaced 1" rod seal, pump operational)
GIW-13	06/23/14	3.9	65.8	0	30.3	163	-8	Y	Decreased vac to -6.8
GIW-13	06/24/14	3.9	66.4	0	29.7	163	-1.6	Y	Increased vac to -2.4
GIW-13	06/25/14	2.5	65.7	0	31.8	166	-0.1	Y	Increased vac to -1
GIW-13	06/26/14	3.3	64.5	0	32.2	168	-2.4	N	Increased vac to -3.2 (replaced 1" rod seal and 1" female gasket, pump operational)
GIW-13	06/27/14	4.8	66.2	0	29	164	-5.1	Y	
GIW-13	06/30/14	2.1	66.7	0	31.2	167	0	NA	Increased vac to -1.5
GIW-13	07/01/14	2.2	67.5	0	30.3	164	-6.2	NA	Decreased vac to -5.7
GIW-13	07/03/14	2.6	67.6	0	29.8	166	-5.9	NA	Decreased vac to -5.5
GIW-13	07/07/14	2.3	68.2	0	29.5	165	-4.1	Y	
GIW-13	07/08/14	3.3	66.5	0	30.2	164	-5.1	Y	
GIW-13	07/09/14	2.1	67	0	30.9	164	-4.5	Y	
GIW-13	07/10/14	2.6	67.6	0	29.8	166	-5.2	Y	(refilled memo and 4-way oil)
GIW-13	07/11/14	2.7	65.3	0	32	161	-5	Y	
GIW-13	07/14/14	2.2	67.3	0	30.5	166	-4.1	N	(blown 1" rod seal)
GIW-13	07/15/14	2.7	69	0	28.3	160	-7.1	N	Decreased vac to -5.9

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	07/16/14	2.5	67.7	0	29.8	164	-4	Y	
GIW-13	07/17/14	2.5	68	0	29.5	165	-1	Y	Increased vac to -1.9
GIW-13	07/18/14	2.6	68.1	0	29.3	167	-1.8	Y	Increased vac to -2.7
GIW-13	07/21/14	2.2	68.1	0	29.7	170	-1.2	Y	Increased vac to -1.7
GIW-13	07/22/14	2.3	66.4	0	31.3	169	-4.2	Y	
GIW-13	07/23/14	2.3	68.1	0	29.6	167	-4.5	Y	
GIW-13	07/24/14	2.4	68	0	29.6	167	-5	Y	
GIW-13	07/25/14	2.1	67.7	0	30.2	166	-4.5	Y	
GIW-13	07/28/14	2.5	68.1	0	29.4	164	-4.1	Y	
GIW-13	07/29/14	2.6	65.9	0	31.5	166	-4.2	Y	
GIW-13	07/30/14	2.3	67	0	30.7	170	-2	Y	Increased vac to -2.4
GIW-13	07/31/14	2.4	67.9	0	29.7	171	-1.4	Y	Increased vac to -2.2
GIW-13	08/01/14	2.5	67	0	30.5	171	-4.4	Y	
GIW-13	08/04/14	2.5	65	0	32.5	165	-6.6	Y	Decreased vac to -5.8
GIW-13	08/05/14	2.5	67.1	0	30.4	163	-8.5	Y	Decreased vac to -7.4
GIW-13	08/06/14	2.5	67.2	0	30.3	165	-5	Y	
GIW-13	08/07/14							Y	
GIW-13	08/08/14	2.6	62.6	0	34.8	164	-5	N	(replaced 1" rod seal, pump operational)
GIW-13	08/11/14	2.2	68.3	0	29.5	162	-5	Y	
GIW-13	08/12/14	2.8	68	0	29.2	161	-4.3	Y	
GIW-13	08/13/14	2.4	67.6	0	30	169	-1.7	Y	increased vac to -2.6
GIW-13	08/14/14	2.2	68.3	0	29.5	170	-4.7	Y	
GIW-13	08/15/14	2.3	67.1	0	30.6	169	-5	Y	
GIW-13	08/18/14	2.5	66.7	0	30.8	170	-6.3	Y	Decreased vac to -5.8
GIW-13	08/19/14	2.6	63.7	0	33.7	168	-7.4	Y	Decreased vac to -5.8
GIW-13	08/20/14	2.4	66	0	31.6	166	-5	Y	
GIW-13	08/21/14	2.4	63	0	34.6	164	-5.9	Y	Decreased vac to -5.3
GIW-13	08/22/14	2.5	67.4	0	30.1	168	-4.6	Y	
GIW-13	08/25/14	2.2	66.5	0	31.3	165	-4.1	Y	
GIW-13	08/26/14	2.4	65.8	0	31.8	167	-5	Y	
GIW-13	08/27/14	2.5	66.3	0	31.2	163	-5	Y	
GIW-13	08/28/14	2.6	63.3	0	34.1	165	-4.7	N	(replaced 1" rod seal, pump operational)
GIW-13	08/29/14	2.4	66.7	0	30.9	160	-4.9	Y	
GIW-13	09/01/14							Y	
GIW-13	09/02/14	2.4	64.1	0	33.5	153	-8	Y	Decreased vac to -6.5
GIW-13	09/03/14	2.4	65.2	0	32.4	159	-4	N	(1" rod seal needs to be replaced)
GIW-13	09/04/14	2.8	65.8	0	31.4	151	-4.9	N	(1" rod seal needs to be replaced)
GIW-13	09/05/14	2.2	65.6	0	32.2	155	-4	N	(replaced 1" rod seal, pump operational)
GIW-13	09/08/14							NA	(Not Available due to safe access conditions)
GIW-13	09/09/14							NA	(Not Available due to safe access conditions)
GIW-13	09/10/14							NA	(Not Available due to safe access conditions)
GIW-13	09/11/14							NA	(Not Available due to safe access conditions)
GIW-13	09/12/14							NA	(Not Available due to safe access conditions)
GIW-13	09/15/14							Y	
GIW-13	09/16/14							Y	
GIW-13	09/17/14							Y	
GIW-13	09/18/14							Y	
GIW-13	09/19/14	2.4	67.4	0	30.2	162	-4.2	N	(replaced 1" rod seal, pump operational)
GIW-13	09/22/14	2.2	68.8	0	29	170	4.3	Y	Increased vac to -1.2
GIW-13	09/23/14	1.6	66.7	0	31.7	171	-2.9	Y	Increased vac to -3.8
GIW-13	09/24/14	2.3	70.3	0.1	27.3	172.7	-4.98	Y	
GIW-13	09/25/14	3.9	55.4	0	40.7	164.1	-13.68	Y	Decreased vac to -6.84

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	09/26/14	2.7	62.8	0.1	34.4	178.3	-4.29	N	(replaced 4-way valve, pump operational)
GIW-13	09/29/14	2.3	60.5	0	37.2	172.2	-14.71	N	Decreased vac to -13.68 (replaced 1/4"x3" four way valve air nipple and replaced 1" rod seal, pump operational)
GIW-13	09/30/14	2.5	61.1	0	36.4	173.8	-8.79	Y	Decreased vac to -7.39
GIW-13	10/01/14	2.8	60.9	0	36.3	171.2	-10.32	Y	Decreased vac to -8.36
GIW-13	10/02/14	5.2	62.6	0	32.2	159.6	-9.65	Y	Decreased vac to -8.42
GIW-13	10/03/14							N	(replaced four way valve, pump operational)
GIW-13	10/06/14	8.5	59.6	0	31.9	142.1	-11.23	N	Decreased vac to -8.85 (replaced four way valve, pump operational)
GIW-13	10/07/14	3.5	60.5	0	36	157	-5.07	Y	
GIW-13	10/08/14							Y	
GIW-13	10/09/14	0.9	54.8	0	44.3	133	-4.96	Y	
GIW-13	10/10/14							Y	
GIW-13	10/13/14	0.7	70.5	3.2	25.6	116.3	-4.97	Y	
GIW-13	10/14/14							N	(1" rod seal needs replaced)
GIW-13	10/15/14	2.8	65	0	32.2	123	-3.9	N	(1" rod seal needs replaced)
GIW-13	10/16/14	2.5	55.9	3.4	38.2	143	-1.3	N	Decreased vac to -0.9 (1" rod seal needs replaced)
GIW-13	10/17/14	2.9	64	0.4	32.7	132	-4.1	N	(1" rod seal needs replaced)
GIW-13	10/20/14	3	67.6	0	29.4	131	-4.5	Y	
GIW-13	10/21/14	2.2	66.2	0	31.6	141	-1.1	Y	Increased vac to -3.8
GIW-13	10/22/14	2.2	66.8	0	31	150	1.4	Y	Increased vac to -1.8
GIW-13	10/23/14	2.2	67.9	0	29.9	144	-0.2	N	Increased vac to -1.8 (replaced the blackhawk pump, pump operational)
GIW-13	10/24/14	2.5	69.4	0.2	27.9	158	-2.5	Y	
GIW-13	10/27/14	3.9	66.1	0	30	156	-9.3	N	Decreased vac to -8.7 (Replaced Blackhawk - pump operational)
GIW-13	10/28/14	3.3	68.5	0	28.2	171	3.3	Y	Increased vac to -0.1
GIW-13	10/29/14	2.6	66.3	0	31.1	151	-12.2	Y	Decreased vac to -8.7
GIW-13	10/30/14	3.6	67.9	0	28.5	172	7.1	Y	Increased vac to -0.2
GIW-13	10/31/14	3.1	68.2	0	28.7	161	-8.2	Y	Decreased vac to -7.4
GIW-13	11/03/14	2.5	70.5	0.3	26.7	168	-8.2	Y	Decreased vac to -5.7
GIW-13	11/04/14	2.1	71.5	0.4	26	158	-9.3	Y	Decreased vac to -6
GIW-13	11/05/14	2.4	68.2	0	29.4	171	3	N	Increased vac to -1.8 (Replaced 1" rod seal, pump operational)
GIW-13	11/06/14							Y	
GIW-13	11/07/14	2.5	64.2	0	33.3	170	-4.6	N	(Replaced four way valve, pump operational)
GIW-13	11/10/14							N	(Replaced 1" rod seal and 1 1/4 cam gasket, pump operational)
GIW-13	11/11/14							Y	
GIW-13	11/12/14	3	69.6	0	27.4	165	-7.7	Y	Decreased vac to -4.4
GIW-13	11/13/14							Y	
GIW-13	11/14/14	2.9	68.6	0	28.5	170	-4.2	Y	
GIW-13	11/17/14							Y	
GIW-13	11/18/14							Y	
GIW-13	11/19/14							Y	
GIW-13	11/20/14	1.6	55.6	0.1	42.7	158.9	-4.11	Y	
GIW-13	11/21/14							Y	
GIW-13	11/24/14	1.8	54.8	0.1	43.3	117.8	-11.42	Y	Decreased vac to -9.58
GIW-13	11/25/14	1.7	57.3	0	41	160.5	-4.06	Y	
GIW-13	11/26/14	2.4	72.2	0.2	25.2	160	-10.4	N	Decreased vac to -6.3 (Replaced 1" rod seal and 1 1/4 cam gasket, pump operational)
GIW-13	11/27/14								
GIW-13	11/28/14	2.1	71.6	0.1	26.2	153	-3.6	Y	
GIW-13	12/01/14							Y	
GIW-13	12/02/14	1.5	57.4	0	41.1	153.8	-4.9	Y	
GIW-13	12/03/14	1.8	60.4	0	37.8	146.2	-4.91	Y	
GIW-13	12/04/14	0.8	65.1	0	34.1	137.7	-4.33	N	(Replaced 1" rod seal and 1 1/4 cam gasket, pump operational)
GIW-13	12/05/14	2.4	61	0	36.6	165.9	5.98	Y	Increased vac to -0.22

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	12/08/14							Y	
GIW-13	12/09/14	2.9	62.3	0	34.8	161.8	-4.6	Y	Decreased vac to -3.67
GIW-13	12/10/14							Y	
GIW-13	12/11/14							Y	
GIW-13	12/12/14							Y	
GIW-13	12/15/14	1.7	59.7	0	38.6	164.6	-8.79	Y	Decreased vac to -7.26
GIW-13	12/16/14							Y	
GIW-13	12/17/14							N	(Replaced four way valve, 1" rod seal, 1 1/4" gasket - pump operational)
GIW-13	12/18/14							Y	
GIW-13	12/19/14	1.2	59.6	0.1	39.1	167.7	-4.01	Y	
GIW-13	12/22/14							N	(Replaced 1" rod seal - pump operational)
GIW-13	12/23/14	2.9	72.5	0	24.6	167	-7.8	Y	Decreased vac to -6.3
GIW-13	12/24/14	3.3	74.7	0	22	162	-6		
GIW-13	12/25/14								
GIW-13	12/26/14	3.5	72.5	0	24	161	-3	Y	
GIW-13	12/29/14	2.8	62	0.2	35	162.5	-4.96		
GIW-13	12/30/14							Y	
GIW-13	12/31/14								
GIW-13	01/01/15								
GIW-13	01/02/15	2	57.7	0.2	40.1	150.9	-4		
GIW-13	01/05/15	2.7	54	0	43.3	151.7	-7.94		Decreased vac to -7.26
GIW-13	01/06/15								
GIW-13	01/07/15								
GIW-13	01/08/15								
GIW-13	01/09/15								
GIW-13	01/12/15	2.4	64.3	0	33.3	101.5	-13.55	N	Decreased vac to -12.64 (Replaced 1" rod seal - pump operational)
GIW-13	01/13/15							Y	
GIW-13	01/14/15							Y	
GIW-13	01/15/15							Y	
GIW-13	01/16/15	2.2	57.4	0	40.4	120.2	-9.4	Y	Decreased vac to -9.22
GIW-13	01/19/15							Y	
GIW-13	01/20/15							N	(replaced 1" rod seal, pump operational)
GIW-13	01/21/15	2	62.9	0	35.1	92.9	-7.94	Y	Decreased vac to -4.58
GIW-13	01/22/15							N	(Replaced the Rod assembly , cylinder cam and head, four way vavle, 1" rod seal and 1 1/4" cam lock - pump operational)
GIW-13	01/23/15							Y	
GIW-13	01/26/15	2.8	61.4	0	35.8	138.4	-4.37	Y	
GIW-13	01/27/15							Y	
GIW-13	01/28/15	3.3	61.9	0	34.8	142.5	-4.27	Y	
GIW-13	01/29/15							N	(replaced 1" rod seal, pump operational)
GIW-13	01/30/15							Y	
GIW-13	02/02/15								
GIW-13	02/03/15							Y	
GIW-13	02/04/15							Y	
GIW-13	02/05/15							N	(Changed the nose seal, the bottom seal, the memolube oil and cleaned the airbox)
GIW-13	02/06/15	3.4	62.2	0	34.4	135	1.34	Y	
GIW-13	02/09/15							Y	
GIW-13	02/10/15							Y	
GIW-13	02/11/15	4.7	64.1	0.1	31.1	134	-4.83	Y	Increased vac to -5.49
GIW-13	02/12/15							Y	
GIW-13	02/13/15							Y	(Changed memolube and brass adapter)
GIW-13	02/16/15							Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	02/17/15							Y	
GIW-13	02/18/15							Y	
GIW-13	02/19/15							Y	
GIW-13	02/20/15	5.2	58	0.4	36.4	127.2	-6.84	Y	Decreased vac to -4.28 (Replaced bottom seal)
GIW-13	02/23/15							Y	
GIW-13	02/24/15							Y	
GIW-13	02/25/15							Y	
GIW-13	02/26/15							Y	
GIW-13	02/27/15							Y	
GIW-13	02/28/15	5.4	61.7	0.2	32.7	121.2	-4.19	Y	
GIW-13	03/01/15							Y	
GIW-13	03/02/15							Y	
GIW-13	03/03/15							Y	
GIW-13	03/04/15	4	40.8	0.7	54.5	138.3	-7.81	Y	Decreased vac to -5.56
GIW-13	03/05/15							Y	
GIW-13	03/06/15	5	58.3	0.3	36.4	122.4	-0.67	Y	
GIW-13	03/07/15							Y	
GIW-13	03/08/15							Y	
GIW-13	03/09/15							N	(replaced 1" rod seal, pump operational)
GIW-13	03/10/15	3.4	62.2	0.1	34.3	165.9	0.07	Y	Increased vac to -1.07
GIW-13	03/11/15							Y	
GIW-13	03/12/15							Y	
GIW-13	03/13/15							Y	
GIW-13	03/14/15							Y	
GIW-13	03/15/15							Y	
GIW-13	03/16/15							Y	
GIW-13	03/17/15							Y	
GIW-13	03/18/15	3.6	59.4	0.1	36.9	156.6	-4.08	Y	
GIW-13	03/19/15							Y	
GIW-13	03/20/15	6.5	59.9	0.3	33.3	160.5	-8.91	Y	Decreased vac to -7.02
GIW-13	03/21/15							N	(replaced 1" rod seal, pump operational)
GIW-13	03/22/15							Y	
GIW-13	03/23/15							Y	
GIW-13	03/24/15	3.6	60.1	0	36.3	153.3	-4.07	Y	
GIW-13	03/25/15							Y	
GIW-13	03/26/15	5.1	62.2	0.1	32.6	149.8	-4.63	N	Replaced pump with a rebuild
GIW-13	03/27/15							Y	
GIW-13	03/28/15							Y	
GIW-13	03/29/15							Y	
GIW-13	03/30/15							Y	
GIW-13	03/31/15	3.4	67.3	0	29.3	172.7	7.2	N	Increased vac to 3.02 (Replaced bottom seal)
GIW-13	04/01/15							Y	
GIW-13	04/02/15	3.6	61.6	0.1	34.7	178.4	3.28	N	Increased vac to 2 (Replaced bottom seal)
GIW-13	04/03/15							Y	
GIW-13	04/04/15							Y	
GIW-13	04/05/15							Y	
GIW-13	04/06/15							N	Replaced bottom seal
GIW-13	04/07/15							N	Replaced bottom seal
GIW-13	04/08/15							Y	
GIW-13	04/09/15							Y	
GIW-13	04/10/15	5.3	59.8	0	34.9	162.7	-9.77	Y	Decreased vac to -7.26
GIW-13	04/11/15							Y	

GIW ID#	Reading Date	CH4 (% Vol.)	CO2 (% Vol.)	Oxygen (% Vol.)	Balance (% Vol.)	Wellhead Temp. (F)	Pressure (In W.C.)	Pump Operational (Y/N)	Comments
GIW-13	04/12/15							Y	
GIW-13	04/13/15							Y	
GIW-13	04/14/15							Y	
GIW-13	04/15/15							Y	
GIW-13	04/16/15	3.1	61.5	0	35.4	171.4	-2.88	Y	Increased vac to -3.5
GIW-13	04/17/15							Y	
GIW-13	04/18/15							Y	
GIW-13	04/19/15							Y	
GIW-13	04/20/15							Y	
GIW-13	04/21/15	3.4	65.6	0	31	169.2	-0.49	Y	Increased vac to -1.29
GIW-13	04/22/15							Y	
GIW-13	04/23/15							Y	
GIW-13	04/24/15							Y	
GIW-13	04/25/15							Y	
GIW-13	04/26/15							Y	
GIW-13	04/27/15							Y	
GIW-13	04/28/15							Y	
GIW-13	04/29/15							Y	
GIW-13	04/30/15	5.4	59.1	0	35.5	166.4	-4.62	Y	Decreased vac to -4.4
GIW-13	05/01/15							Y	
GIW-13	05/02/15							Y	
GIW-13	05/03/15							Y	
GIW-13	05/04/15							Y	
GIW-13	05/05/15							Y	
GIW-13	05/06/15	8.2	59.7	0	32.1	172.1	-4.67	Y	
GIW-13	05/07/15							Y	
GIW-13	05/08/15							Y	
GIW-13	05/09/15							Y	
GIW-13	05/10/15							Y	
GIW-13	05/11/15							Y	
GIW-13	05/12/15							Y	
GIW-13	05/13/15							Y	
GIW-13	05/14/15	7.5	66.9	0	25.6	158	-6.1	Y	Decreased vac to -5.3
GIW-13	05/15/15							Y	

GIW-13 Wellhead Temperatures

