



Directional Survey

Sub-Division DELAWARE BASIN	County LEA	Field Name JOHNSON RANCH	Region DELAWARE BASIN EAST	State/Province NM
Surface Legal Location Sec. 20 T23S R33E	AP/CVL 3002541914	Latitude (") 32° 17' 0.701" N	Longitude (") 103° 35' 55.275" W	Ground Elev M... 3,706.80
				Orig KB Elev (ft) 3,729.80
				Tubing Head Elevation (ft)

Wellbores	Parent Wellbore OH	SAP Well ID 37636	Vertical Section Direction (") 356.18
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Kick Offs & Key Depths	Date 1/20/2015	Type Kick Off	Top Depth (ftKB) 10,611.0
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Actual Deviation Survey MWD, Proposed? No	Definitive? Yes	Proposed? No	Proposed Deviation Survey
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Deviation Survey	Date 1/4/2015	Description MWD
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MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00	Inclination Tie In (") 0.00	Azimuth Tie In (") 0.00	NS Tie In (ft) 0.00	EW Tie In (ft) 0.00
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Date	MD (ftKB)	Incl (")	Azm (")	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS ("/100ft)	Survey Tool	Survey Company
1/4/2015	310.00	0.79	54.72	309.99	1.12	1.23	1.74	0.25	MS	EXTREME
1/4/2015	433.00	1.01	293.74	432.98	2.06	2.16	1.44	1.28	MS	EXTREME
1/4/2015	552.00	1.01	291.54	551.96	2.99	2.97	-0.49	0.03	MS	EXTREME
1/15/2015	647.00	0.70	306.23	646.95	3.73	3.62	-1.74	0.40	MS	EXTREME
1/4/2015	800.00	0.40	326.83	799.95	4.79	4.62	-2.78	0.23	MS	EXTREME
1/4/2015	960.00	0.70	332.85	959.94	6.18	5.95	-3.54	0.19	MS	EXTREME
1/4/2015	1,022.00	0.62	324.72	1,021.93	6.81	6.57	-3.90	0.20	MS	EXTREME
1/4/2015	1,084.00	0.48	326.34	1,083.93	7.32	7.06	-4.24	0.23	MS	EXTREME
1/4/2015	1,145.00	0.62	342.74	1,144.93	7.87	7.58	-4.48	0.34	MS	EXTREME
1/5/2015	1,280.00	0.62	356.05	1,279.92	9.31	9.01	-4.75	0.11	MS	EXTREME
1/5/2015	1,375.00	0.50	324.53	1,374.92	10.17	9.86	-5.02	0.34	MS	EXTREME
1/5/2015	1,541.00	0.48	329.73	1,540.91	11.41	11.05	-5.79	0.03	MS	EXTREME
1/8/2015	1,630.00	0.88	312.23	1,629.90	12.24	11.83	-6.49	0.50	MS	EXTREME
1/8/2015	1,725.00	0.79	312.53	1,724.89	13.24	12.76	-7.51	0.09	MS	EXTREME
1/8/2015	1,819.00	0.88	300.63	1,818.88	14.11	13.57	-8.61	0.21	MS	EXTREME
1/8/2015	1,914.00	0.88	301.53	1,913.87	14.95	14.32	-9.86	0.01	MS	EXTREME
1/8/2015	2,009.00	0.88	309.43	2,008.86	15.87	15.17	-11.04	0.13	MS	EXTREME
1/8/2015	2,102.00	0.70	306.83	2,101.85	16.73	15.96	-12.05	0.20	MS	EXTREME
1/8/2015	2,198.00	0.80	300.64	2,197.84	17.49	16.66	-13.10	0.13	MS	EXTREME
1/8/2015	2,295.00	0.88	306.35	2,294.83	18.36	17.44	-14.28	0.12	MS	EXTREME
1/8/2015	2,386.00	1.18	293.91	2,385.82	19.24	18.24	-15.70	0.41	MS	EXTREME
1/8/2015	2,483.00	1.19	300.03	2,482.80	20.27	19.15	-17.48	0.13	MS	EXTREME
1/8/2015	2,578.00	1.41	295.43	2,577.77	21.39	20.14	-19.39	0.26	MS	EXTREME
1/8/2015	2,673.00	1.41	292.64	2,672.75	22.48	21.09	-21.53	0.07	MS	EXTREME
1/8/2015	2,769.00	1.49	298.23	2,768.72	23.67	22.14	-23.72	0.17	MS	EXTREME
1/8/2015	2,863.00	1.41	301.73	2,862.69	24.99	23.32	-25.78	0.13	MS	EXTREME
1/8/2015	2,957.00	1.58	299.14	2,956.65	26.37	24.56	-27.89	0.19	MS	EXTREME
1/8/2015	3,052.00	1.49	302.03	3,051.62	27.80	25.86	-30.08	0.12	MS	EXTREME
1/8/2015	3,147.00	1.41	302.93	3,146.59	29.23	27.15	-32.11	0.09	MS	EXTREME
1/8/2015	3,242.00	1.19	295.63	3,241.56	30.41	28.21	-33.98	0.29	MS	EXTREME
1/8/2015	3,336.00	1.01	295.93	3,335.55	31.30	28.99	-35.61	0.19	MS	EXTREME
1/8/2015	3,431.00	0.88	315.62	3,430.53	32.27	29.88	-36.87	0.37	MS	EXTREME
1/8/2015	3,526.00	0.79	325.64	3,525.52	33.39	30.94	-37.75	0.18	MS	EXTREME
1/8/2015	3,620.00	0.62	322.52	3,619.52	34.37	31.88	-38.43	0.19	MS	EXTREME
1/8/2015	3,714.00	0.62	332.73	3,713.51	35.26	32.74	-38.97	0.12	MS	EXTREME
1/8/2015	3,809.00	0.70	320.24	3,808.51	36.20	33.64	-39.57	0.17	MS	EXTREME
1/8/2015	3,904.00	0.70	289.33	3,903.50	36.90	34.28	-40.49	0.39	MS	EXTREME
1/8/2015	3,999.00	0.62	297.13	3,998.49	37.39	34.70	-41.50	0.13	MS	EXTREME
1/8/2015	4,094.00	0.48	274.33	4,093.49	37.71	34.97	-42.35	0.27	MS	EXTREME
1/8/2015	4,188.00	0.79	269.23	4,187.48	37.80	34.99	-43.39	0.33	MS	EXTREME
1/8/2015	4,283.00	0.79	264.33	4,282.47	37.82	34.92	-44.70	0.07	MS	EXTREME
1/8/2015	4,377.00	0.48	242.63	4,376.47	37.64	34.67	-45.69	0.41	MS	EXTREME
1/8/2015	4,472.00	0.70	148.23	4,471.46	36.97	34.00	-45.74	0.92	MS	EXTREME
1/8/2015	4,567.00	1.19	152.54	4,566.45	35.55	32.63	-44.98	0.52	MS	EXTREME
1/8/2015	4,662.00	1.41	142.13	4,661.43	33.68	30.83	-43.81	0.34	MS	EXTREME
1/8/2015	4,754.00	1.80	136.24	4,753.39	31.63	28.89	-42.12	0.46	MS	EXTREME
1/8/2015	4,848.00	2.02	133.12	4,847.34	29.29	26.69	-39.88	0.26	MS	EXTREME

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DELAWARE BASIN UNRESTRICTED

Directional Survey

Sub-Division DELAWARE BASIN	County LEA	Field Name JOHNSON RANCH	Region DELAWARE BASIN EAST	State/Province NM
Surface Legal Location Sec. 20 T23S R33E	AP/W/U 3002541914	Latitude (") 32° 17' 0.701" N	Longitude (") 103° 35' 55.275" W	Ground Elev M... 3,706.80
				Orig KB Elev (ft) 3,729.80
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Survey Data

Date	MD (ftKB)	Incl (")	Azm (")	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS ("100ft)	Survey Tool	Survey Company
1/8/2015	4,943.00	2.50	129.43	4,942.26	26.65	24.23	-37.06	0.53	MS	EXTREME
1/22/2015	5,122.00	2.10	126.30	5,121.12	21.86	19.81	-31.40	0.23	MWD	LEAM
1/22/2015	5,216.00	1.80	123.00	5,215.06	19.86	17.99	-28.78	0.34	MWD	LEAM
1/22/2015	5,310.00	1.80	122.10	5,309.02	18.11	16.40	-26.29	0.03	MWD	LEAM
1/22/2015	5,404.00	1.50	128.10	5,402.98	16.43	14.86	-24.07	0.37	MWD	LEAM
1/22/2015	5,498.00	1.10	142.30	5,496.96	14.85	13.38	-22.55	0.54	MWD	LEAM
1/22/2015	5,593.00	0.70	165.20	5,591.94	13.53	12.10	-21.84	0.56	MWD	LEAM
1/22/2015	5,687.00	0.70	243.20	5,685.94	12.74	11.29	-22.21	0.94	MWD	LEAM
1/22/2015	5,781.00	1.10	252.20	5,779.93	12.30	10.75	-23.58	0.45	MWD	LEAM
1/22/2015	5,875.00	1.90	258.00	5,873.89	11.86	10.15	-25.97	0.87	MWD	LEAM
1/22/2015	5,969.00	2.80	265.70	5,967.81	11.62	9.65	-29.78	1.01	MWD	LEAM
1/22/2015	6,063.00	3.90	261.50	6,061.65	11.34	9.01	-35.23	1.20	MWD	LEAM
1/22/2015	6,157.00	4.30	263.80	6,155.41	10.93	8.16	-41.90	0.46	MWD	LEAM
1/22/2015	6,250.00	4.90	263.20	6,248.11	10.58	7.31	-49.31	0.65	MWD	LEAM
1/22/2015	6,344.00	5.00	261.10	6,341.76	10.01	6.20	-57.34	0.22	MWD	LEAM
1/22/2015	6,439.00	4.80	262.70	6,436.41	9.40	5.06	-65.37	0.25	MWD	LEAM
1/22/2015	6,533.00	5.00	259.70	6,530.07	8.70	3.82	-73.30	0.35	MWD	LEAM
1/22/2015	6,625.00	5.00	258.80	6,621.72	7.73	2.33	-81.18	0.09	MWD	LEAM
1/22/2015	6,721.00	4.90	254.40	6,717.36	6.36	0.41	-89.23	0.41	MWD	LEAM
1/22/2015	6,815.00	4.90	250.80	6,811.02	4.47	-1.99	-96.89	0.33	MWD	LEAM
1/22/2015	6,909.00	4.70	247.90	6,904.69	2.20	-4.76	-104.25	0.33	MWD	LEAM
1/22/2015	7,003.00	4.70	247.90	6,998.37	-0.22	-7.65	-111.39	0.00	MWD	LEAM
1/22/2015	7,096.00	4.60	245.80	7,091.07	-2.71	-10.62	-118.32	0.21	MWD	LEAM
1/22/2015	7,190.00	4.50	247.20	7,184.77	-5.22	-13.59	-125.16	0.16	MWD	LEAM
1/22/2015	7,285.00	4.70	244.40	7,279.47	-7.88	-16.72	-132.10	0.32	MWD	LEAM
1/22/2015	7,379.00	4.70	244.10	7,373.15	-10.75	-20.06	-139.04	0.03	MWD	LEAM
1/22/2015	7,472.00	4.50	240.90	7,465.85	-13.74	-23.50	-145.65	0.35	MWD	LEAM
1/22/2015	7,566.00	4.60	243.60	7,559.55	-16.77	-26.97	-152.25	0.25	MWD	LEAM
1/22/2015	7,660.00	4.50	244.80	7,653.26	-19.56	-30.22	-158.97	0.15	MWD	LEAM
1/22/2015	7,754.00	4.10	246.00	7,746.99	-22.06	-33.15	-165.37	0.44	MWD	LEAM
1/22/2015	7,848.00	4.30	247.60	7,840.74	-24.34	-35.86	-171.70	0.25	MWD	LEAM
1/22/2015	7,942.00	4.60	246.00	7,934.46	-26.77	-38.74	-178.40	0.35	MWD	LEAM
1/22/2015	8,036.00	4.50	243.60	8,028.16	-29.48	-41.91	-185.15	0.23	MWD	LEAM
1/22/2015	8,130.00	4.40	243.00	8,121.88	-32.32	-45.19	-191.66	0.12	MWD	LEAM
1/22/2015	8,224.00	4.30	242.50	8,215.61	-35.15	-48.45	-198.00	0.11	MWD	LEAM
1/22/2015	8,318.00	4.70	237.00	8,309.32	-38.45	-52.18	-204.36	0.63	MWD	LEAM
1/22/2015	8,409.00	4.30	237.40	8,400.04	-41.91	-56.05	-210.36	0.44	MWD	LEAM
1/22/2015	8,504.00	4.40	239.70	8,494.76	-45.25	-59.80	-216.51	0.21	MWD	LEAM
1/22/2015	8,597.00	4.70	243.70	8,587.47	-48.29	-63.29	-223.00	0.47	MWD	LEAM
1/22/2015	8,691.00	4.60	244.40	8,681.16	-51.17	-66.63	-229.85	0.12	MWD	LEAM
1/22/2015	8,785.00	4.10	246.90	8,774.89	-53.67	-69.57	-236.34	0.57	MWD	LEAM
1/22/2015	8,880.00	4.60	245.80	8,869.62	-56.12	-72.47	-242.94	0.53	MWD	LEAM
1/22/2015	8,973.00	5.10	244.60	8,962.28	-58.94	-75.77	-250.08	0.55	MWD	LEAM
1/22/2015	9,066.00	4.70	245.50	9,054.94	-61.81	-79.12	-257.28	0.44	MWD	LEAM
1/22/2015	9,160.00	4.60	241.80	9,148.63	-64.72	-82.50	-264.11	0.34	MWD	LEAM
1/22/2015	9,254.00	4.70	243.90	9,242.32	-67.74	-85.98	-270.89	0.21	MWD	LEAM
1/22/2015	9,348.00	5.30	246.70	9,335.97	-70.65	-89.39	-278.33	0.69	MWD	LEAM
1/22/2015	9,441.00	4.50	247.40	9,428.62	-73.25	-92.49	-285.64	0.86	MWD	LEAM
1/22/2015	9,536.00	4.10	243.90	9,523.36	-75.74	-95.41	-292.14	0.50	MWD	LEAM
1/22/2015	9,631.00	4.50	246.00	9,618.09	-78.31	-98.42	-298.59	0.45	MWD	LEAM
1/22/2015	9,724.00	4.70	240.20	9,710.79	-81.24	-101.80	-305.23	0.54	MWD	LEAM
1/22/2015	9,819.00	4.70	240.90	9,805.47	-84.61	-105.63	-312.01	0.06	MWD	LEAM
1/22/2015	9,913.00	4.40	245.80	9,899.18	-87.51	-108.98	-318.66	0.52	MWD	LEAM
1/22/2015	10,007.00	3.90	245.50	9,992.93	-89.89	-111.78	-324.86	0.53	MWD	LEAM
1/22/2015	10,101.00	3.90	242.50	10,086.71	-92.31	-114.59	-330.60	0.22	MWD	LEAM
1/22/2015	10,195.00	3.90	239.30	10,180.49	-95.04	-117.69	-336.19	0.23	MWD	LEAM
1/22/2015	10,290.00	3.10	240.40	10,275.32	-97.61	-120.61	-341.20	0.85	MWD	LEAM
1/22/2015	10,385.00	2.10	237.60	10,370.22	-99.56	-122.81	-344.90	1.06	MWD	LEAM



Directional Survey

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				Orig KB Elev (ft) 3,729.80
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Survey Data

Date	MD (ftKB)	Incl (")	Azm (")	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS ("/100ft)	Survey Tool	Survey Company
1/22/2015	10,479.00	2.30	235.10	10,464.15	-101.36	-124.82	-347.90	0.24	MWD	LEAM
1/22/2015	10,556.00	1.80	241.80	10,541.10	-102.66	-126.27	-350.24	0.72	MWD	LEAM
1/22/2015	10,599.00	1.20	266.10	10,584.08	-102.94	-126.62	-351.28	2.00	MWD	LEAM
1/22/2015	10,630.00	2.40	319.10	10,615.07	-102.42	-126.15	-352.03	6.23	MWD	LEAM
1/22/2015	10,662.00	4.80	333.40	10,647.00	-100.65	-124.45	-353.07	7.95	MWD	LEAM
1/22/2015	10,694.00	7.80	342.20	10,678.81	-97.31	-121.18	-354.33	9.82	MWD	LEAM
1/22/2015	10,725.00	11.00	346.20	10,709.39	-92.35	-116.31	-355.68	10.53	MWD	LEAM
1/22/2015	10,757.00	14.40	350.40	10,740.60	-85.38	-109.42	-357.07	11.00	MWD	LEAM
1/22/2015	10,788.00	17.80	352.20	10,770.38	-76.82	-100.92	-358.36	11.08	MWD	LEAM
1/22/2015	10,819.00	21.00	351.80	10,799.62	-66.55	-90.72	-359.79	10.33	MWD	LEAM
1/22/2015	10,850.00	24.10	351.70	10,828.24	-54.70	-78.96	-361.50	10.00	MWD	LEAM
1/22/2015	10,882.00	27.10	351.70	10,857.10	-40.92	-65.28	-363.50	9.38	MWD	LEAM
1/22/2015	10,914.00	30.00	352.00	10,885.20	-25.67	-50.14	-365.66	9.07	MWD	LEAM
1/22/2015	10,945.00	33.20	352.70	10,911.60	-9.46	-34.05	-367.82	10.39	MWD	LEAM
1/22/2015	10,976.00	37.20	353.60	10,936.93	8.38	-16.31	-369.94	13.01	MWD	LEAM
1/22/2015	11,007.00	41.90	354.30	10,960.83	28.10	3.32	-372.02	15.23	MWD	LEAM
1/22/2015	11,038.00	46.20	355.30	10,983.10	49.64	24.78	-373.96	14.05	MWD	LEAM
1/22/2015	11,070.00	50.60	355.90	11,004.34	73.56	48.63	-375.80	13.82	MWD	LEAM
1/22/2015	11,101.00	55.20	356.60	11,023.04	98.28	73.30	-377.41	14.95	MWD	LEAM
1/22/2015	11,133.00	59.40	356.60	11,040.32	125.20	100.17	-379.00	13.12	MWD	LEAM
1/22/2015	11,164.00	64.10	355.50	11,054.99	152.50	127.41	-380.89	15.48	MWD	LEAM
1/22/2015	11,196.00	68.70	354.60	11,067.80	181.81	156.61	-383.42	14.60	MWD	LEAM
1/22/2015	11,227.00	72.40	354.60	11,078.12	211.02	185.71	-386.17	11.94	MWD	LEAM
1/22/2015	11,259.00	76.00	354.50	11,086.83	241.80	216.35	-389.10	11.25	MWD	LEAM
1/22/2015	11,291.00	79.50	354.60	11,093.62	273.05	247.48	-392.07	10.94	MWD	LEAM
1/22/2015	11,322.00	83.30	355.20	11,098.26	303.69	278.00	-394.79	12.41	MWD	LEAM
1/22/2015	11,381.00	88.60	354.60	11,102.42	362.50	336.60	-400.02	9.04	MWD	LEAM
1/22/2015	11,444.00	89.20	356.20	11,103.63	425.49	399.39	-405.07	2.71	MWD	LEAM
1/22/2015	11,538.00	90.00	357.80	11,104.29	519.47	493.25	-409.99	1.90	MWD	LEAM
1/22/2015	11,633.00	90.20	359.60	11,104.12	614.37	588.22	-412.15	1.91	MWD	LEAM
1/22/2015	11,727.00	88.30	355.00	11,105.35	708.32	682.08	-416.57	5.29	MWD	LEAM
1/22/2015	11,821.00	88.30	355.50	11,108.14	802.26	775.72	-424.35	0.53	MWD	LEAM
1/22/2015	11,914.00	89.30	356.10	11,110.09	895.24	868.44	-431.16	1.25	MWD	LEAM
1/22/2015	12,008.00	89.90	356.20	11,110.74	989.24	962.23	-437.47	0.65	MWD	LEAM
1/22/2015	12,103.00	91.10	357.80	11,109.92	1,084.22	1,057.09	-442.45	2.11	MWD	LEAM
1/22/2015	12,196.00	90.20	358.30	11,108.86	1,177.16	1,150.03	-445.61	1.11	MWD	LEAM
1/22/2015	12,290.00	90.70	358.20	11,108.12	1,271.10	1,243.98	-448.48	0.54	MWD	LEAM
1/22/2015	12,384.00	91.60	358.00	11,106.24	1,365.02	1,337.91	-451.60	0.98	MWD	LEAM
1/22/2015	12,479.00	90.80	0.40	11,104.25	1,459.86	1,432.87	-452.92	2.66	MWD	LEAM
1/22/2015	12,572.00	91.20	358.90	11,102.62	1,552.68	1,525.85	-453.49	1.67	MWD	LEAM
1/22/2015	12,666.00	90.70	358.90	11,101.06	1,646.56	1,619.82	-455.29	0.53	MWD	LEAM
1/22/2015	12,760.00	91.70	359.40	11,099.10	1,740.41	1,713.79	-456.69	1.19	MWD	LEAM
1/22/2015	12,854.00	91.40	358.70	11,096.55	1,834.26	1,807.74	-458.25	0.81	MWD	LEAM
1/22/2015	12,948.00	89.60	357.50	11,095.73	1,928.19	1,901.68	-461.36	2.30	MWD	LEAM
1/22/2015	13,042.00	89.70	356.20	11,096.31	2,022.18	1,995.54	-466.53	1.39	MWD	LEAM
1/22/2015	13,136.00	90.30	355.50	11,096.31	2,116.18	2,089.29	-473.33	0.98	MWD	LEAM
1/22/2015	13,230.00	89.80	355.00	11,096.22	2,210.17	2,182.97	-481.11	0.75	MWD	LEAM
1/22/2015	13,324.00	90.70	354.80	11,095.81	2,304.14	2,276.59	-489.47	0.98	MWD	LEAM
1/22/2015	13,418.00	91.50	355.50	11,094.01	2,398.11	2,370.24	-497.42	1.13	MWD	LEAM
1/22/2015	13,511.00	92.00	356.20	11,091.17	2,491.06	2,462.95	-504.14	0.92	MWD	LEAM
1/22/2015	13,604.00	92.00	355.20	11,087.92	2,584.00	2,555.63	-511.11	1.07	MWD	LEAM
1/22/2015	13,699.00	92.10	355.00	11,084.53	2,678.92	2,650.22	-519.22	0.24	MWD	LEAM
1/22/2015	13,792.00	92.30	355.30	11,080.96	2,771.84	2,742.82	-527.08	0.39	MWD	LEAM
1/22/2015	13,886.00	92.00	354.10	11,077.43	2,865.74	2,836.35	-535.76	1.32	MWD	LEAM
1/22/2015	13,980.00	91.60	355.20	11,074.48	2,959.66	2,929.89	-544.52	1.24	MWD	LEAM
1/22/2015	14,074.00	91.00	353.80	11,072.34	3,053.59	3,023.43	-553.52	1.62	MWD	LEAM
1/22/2015	14,168.00	91.30	354.60	11,070.46	3,147.52	3,116.93	-563.02	0.91	MWD	LEAM
1/22/2015	14,261.00	90.70	354.50	11,068.83	3,240.46	3,209.50	-571.85	0.65	MWD	LEAM

Directional Survey

Sub-Division DELAWARE BASIN	County LEA	Field Name JOHNSON RANCH	Region DELAWARE BASIN EAST	State/Province NM
Surface Legal Location Sec. 20 T23S R33E	AP/UM 3802541914	Latitude (") 32° 17' 0.701" N	Longitude (") 103° 35' 55.275" W	Ground Elev M. 3,706.80
				Orig KB Elev (ft) 3,729.80
				Tubing Head Elevation (ft)

Survey Data

Date	MD (ftKB)	Incl (")	Azm (")	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS ("/100ft)	Survey Tool	Survey Company
1/22/2015	14,355.00	90.70	355.50	11,067.69	3,334.44	3,303.13	-580.04	1.06	MWD	LEAM
1/22/2015	14,449.00	89.50	354.80	11,067.52	3,428.42	3,396.79	-587.99	1.48	MWD	LEAM
1/22/2015	14,543.00	89.80	355.90	11,068.10	3,522.41	3,490.48	-595.61	1.21	MWD	LEAM
1/22/2015	14,637.00	90.30	357.10	11,068.01	3,616.40	3,584.30	-601.35	1.38	MWD	LEAM
1/22/2015	14,732.00	90.60	357.10	11,067.27	3,711.39	3,679.18	-606.16	0.32	MWD	LEAM
1/22/2015	14,826.00	90.60	357.80	11,066.28	3,805.36	3,773.08	-610.34	0.74	MWD	LEAM
1/22/2015	14,920.00	91.10	358.30	11,064.89	3,899.30	3,867.01	-613.54	0.75	MWD	LEAM
1/22/2015	15,014.00	90.90	357.10	11,063.25	3,993.25	3,960.92	-617.31	1.29	MWD	LEAM
1/22/2015	15,108.00	91.20	356.80	11,061.53	4,087.22	4,054.77	-622.31	0.45	MWD	LEAM
1/22/2015	15,202.00	91.50	355.90	11,059.31	4,181.20	4,148.56	-628.29	1.01	MWD	LEAM
1/22/2015	15,296.00	91.70	357.10	11,056.69	4,275.16	4,242.34	-634.03	1.29	MWD	LEAM
1/22/2015	15,391.00	91.20	356.40	11,054.28	4,370.12	4,337.16	-639.41	0.91	MWD	LEAM
1/22/2015	15,486.00	91.40	357.30	11,052.13	4,465.09	4,431.99	-644.63	0.97	MWD	LEAM
1/22/2015	15,580.00	91.10	357.80	11,050.08	4,559.04	4,525.88	-648.65	0.62	MWD	LEAM
1/22/2015	15,637.00	91.00	358.50	11,049.03	4,616.00	4,582.84	-650.49	1.24	MWD	LEAM
1/22/2015	15,750.00	91.50	0.10	11,046.57	4,728.80	4,695.80	-651.87	1.48	MWD	LEAM
1/22/2015	15,804.00	91.50	0.10	11,045.15	4,782.65	4,749.78	-651.77	0.00	BIT	LEAM
1/22/2015	15,850.00	91.80	1.20	11,043.83	4,828.49	4,795.76	-651.25	2.48	BIT	LEAM