



THISTLE UNIT 53H

WEST UNRESTRICTED

Directional Survey

District DELAWARE BASIN	County LEA	Field Name JOHNSON RANCH	Project Group DELAWARE BASIN REG	State/Province NM
Surface Legal Location Sec. 28 T23S R33E	API/UWI 3002541794	Latitude (°) 32° 16' 57.12" N	Longitude (°) 103° 34' 31.443" W	Ground Elev... 3,694.30
			KB - GL (ft) 25.00	Orig KB Elev (ft) 3,719.30
				Tubing Head Elevation (ft)

Wellbores

Wellbore Name OH	Parent Wellbore	SAP Well ID	Kick Off Depth (ftKB)	Vertical Section Direction (°) 176.67
Actual Deviation Survey EXTREME, Proposed? No	Definitive? Yes	Proposed? No	Proposed Deviation Survey	

Deviation Survey

Date 9/10/2014		Description EXTREME				
MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00	Inclination Tie In (°) 0.00	Azimuth Tie In (°) 0.00	NSTie In (ft) 0.00	EW Tie In (ft) 0.00	

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
9/10/2014	175.00	0.62	322.04	175.00	-0.78	0.75	-0.58	0.35	MWD	EXTREME
9/10/2014	295.00	0.88	319.23	294.99	-2.04	1.96	-1.58	0.22	MWD	EXTREME
9/10/2014	351.00	1.32	302.62	350.98	-2.77	2.63	-2.41	0.96	MWD	EXTREME
9/10/2014	411.00	1.32	297.58	410.96	-3.53	3.32	-3.60	0.19	MWD	EXTREME
9/10/2014	471.00	1.10	313.04	470.95	-4.30	4.04	-4.64	0.65	MWD	EXTREME
9/10/2014	530.00	1.41	313.74	529.93	-5.24	4.92	-5.57	0.53	MWD	EXTREME
9/10/2014	589.00	1.19	299.72	588.92	-6.10	5.73	-6.63	0.65	MWD	EXTREME
9/10/2014	683.00	1.58	298.72	682.89	-7.32	6.84	-8.61	0.42	MWD	EXTREME
9/10/2014	776.00	1.71	300.49	775.85	-8.78	8.16	-10.93	0.15	MWD	EXTREME
9/10/2014	863.00	2.02	302.53	862.81	-10.40	9.64	-13.35	0.36	MWD	EXTREME
9/10/2014	954.00	1.89	291.02	953.75	-11.96	11.04	-16.10	0.45	MWD	EXTREME
9/10/2014	1,048.00	1.89	284.82	1,047.70	-13.08	11.99	-19.04	0.22	MWD	EXTREME
9/10/2014	1,143.00	1.80	281.04	1,142.65	-13.94	12.68	-22.02	0.16	MWD	EXTREME
9/10/2014	1,238.00	2.02	281.04	1,237.60	-14.72	13.29	-25.13	0.23	MWD	EXTREME
9/10/2014	1,334.00	1.71	291.63	1,333.55	-15.75	14.14	-28.12	0.48	MWD	EXTREME
9/10/2014	1,358.00	1.89	292.93	1,357.54	-16.07	14.42	-28.82	0.77	MWD	EXTREME
9/10/2014	1,607.00	1.05	295.60	1,606.45	-18.99	17.01	-34.66	0.34	MWD	WEATHERFORD
9/10/2014	1,701.00	1.21	301.21	1,700.43	-19.97	17.90	-36.29	0.21	MWD	WEATHERFORD
9/10/2014	1,796.00	1.00	291.82	1,795.42	-20.89	18.72	-37.91	0.29	MWD	WEATHERFORD
9/10/2014	1,890.00	0.77	298.70	1,889.41	-21.58	19.33	-39.23	0.27	MWD	WEATHERFORD
9/10/2014	1,985.00	0.56	304.40	1,984.40	-22.20	19.90	-40.17	0.23	MWD	WEATHERFORD
9/10/2014	2,079.00	0.29	305.55	2,078.40	-22.63	20.30	-40.74	0.29	MWD	WEATHERFORD
9/10/2014	2,174.00	0.21	82.46	2,173.40	-22.79	20.46	-40.77	0.49	MWD	WEATHERFORD
9/10/2014	2,268.00	0.16	296.05	2,267.40	-22.87	20.54	-40.71	0.38	MWD	WEATHERFORD
9/10/2014	2,362.00	0.31	265.86	2,361.40	-22.93	20.58	-41.09	0.20	MWD	WEATHERFORD
9/10/2014	2,457.00	0.53	293.30	2,456.39	-23.13	20.74	-41.75	0.31	MWD	WEATHERFORD
9/10/2014	2,551.00	1.19	306.17	2,550.38	-23.94	21.48	-42.93	0.73	MWD	WEATHERFORD
9/10/2014	2,646.00	1.75	310.97	2,645.35	-25.58	23.02	-44.82	0.60	MWD	WEATHERFORD
9/10/2014	2,740.00	2.69	309.69	2,739.28	-28.09	25.37	-47.61	1.00	MWD	WEATHERFORD
9/10/2014	2,835.00	3.78	312.60	2,834.13	-31.86	28.91	-51.63	1.16	MWD	WEATHERFORD
9/10/2014	2,930.00	4.07	310.98	2,928.90	-36.47	33.24	-56.48	0.33	MWD	WEATHERFORD
9/10/2014	3,024.00	3.88	308.94	3,022.68	-40.93	37.43	-61.47	0.25	MWD	WEATHERFORD
9/10/2014	3,118.00	4.36	314.64	3,116.43	-45.73	41.94	-66.48	0.67	MWD	WEATHERFORD
9/10/2014	3,212.00	4.36	316.22	3,210.16	-51.10	47.03	-71.50	0.13	MWD	WEATHERFORD
9/10/2014	3,307.00	4.02	315.03	3,304.91	-56.34	51.99	-76.35	0.37	MWD	WEATHERFORD
9/10/2014	3,401.00	3.74	314.07	3,398.69	-61.06	56.45	-80.88	0.31	MWD	WEATHERFORD
9/10/2014	3,496.00	4.29	315.58	3,493.46	-66.02	61.15	-85.60	0.59	MWD	WEATHERFORD
9/10/2014	3,590.00	4.41	317.70	3,587.19	-71.47	66.33	-90.49	0.21	MWD	WEATHERFORD
9/10/2014	3,685.00	4.04	316.30	3,681.93	-76.86	71.45	-95.26	0.40	MWD	WEATHERFORD
9/10/2014	3,780.00	3.83	317.74	3,776.71	-81.88	76.22	-99.70	0.24	MWD	WEATHERFORD
9/10/2014	3,874.00	3.30	317.11	3,870.52	-86.41	80.52	-103.66	0.57	MWD	WEATHERFORD
9/10/2014	3,969.00	2.98	315.68	3,965.38	-90.38	84.29	-107.24	0.35	MWD	WEATHERFORD
9/10/2014	4,063.00	2.47	314.11	4,059.27	-93.72	87.45	-110.41	0.55	MWD	WEATHERFORD
9/10/2014	4,158.00	2.15	314.71	4,154.20	-96.55	90.13	-113.14	0.34	MWD	WEATHERFORD
9/10/2014	4,252.00	1.96	322.22	4,248.14	-99.19	92.64	-115.38	0.35	MWD	WEATHERFORD
9/10/2014	4,347.00	1.48	328.46	4,343.09	-101.61	94.97	-117.02	0.54	MWD	WEATHERFORD
9/10/2014	4,441.00	0.80	333.43	4,437.07	-103.28	96.59	-117.94	0.73	MWD	WEATHERFORD

FEB 26 2015



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Surface Legal Location Sec. 28 T23S R33E	API/UWI 3002541794	Latitude (°) 32° 16' 57.12" N	Longitude (°) 103° 34' 31.443" W	Ground Elev... 3,694.30
			KB - GL (ft) 25.00	Orig KB Elev (ft) 3,719.30
				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
9/10/2014	4,535.00	0.29	23.48	4,531.07	-104.10	97.40	-118.14	0.69	MWD	WEATHERFORD
9/10/2014	4,630.00	0.25	24.51	4,626.07	-104.49	97.81	-117.96	0.04	MWD	WEATHERFORD
9/10/2014	4,724.00	0.56	130.51	4,720.07	-104.36	97.70	-117.53	0.72	MWD	WEATHERFORD
9/10/2014	4,818.00	1.04	110.79	4,814.06	-103.69	97.09	-116.38	0.58	MWD	WEATHERFORD
9/10/2014	4,913.00	1.33	116.45	4,909.04	-102.79	96.30	-114.59	0.33	MWD	WEATHERFORD
9/10/2014	5,007.00	1.69	116.51	5,003.01	-101.56	95.19	-112.37	0.38	MWD	WEATHERFORD
9/10/2014	5,101.00	1.51	112.90	5,096.97	-100.32	94.09	-109.99	0.22	MWD	WEATHERFORD
9/10/2014	5,175.00	1.34	111.63	5,170.95	-99.53	93.39	-108.29	0.23	MWD	WEATHERFORD
9/10/2014	5,291.00	1.16	118.74	5,286.92	-98.33	92.33	-106.00	0.20	MWD	WEATHERFORD
9/10/2014	5,384.00	1.44	115.29	5,379.89	-97.27	91.38	-104.11	0.31	MWD	WEATHERFORD
9/10/2014	5,479.00	1.38	112.09	5,474.87	-96.21	90.44	-101.98	0.10	MWD	WEATHERFORD
9/10/2014	5,574.00	1.94	104.41	5,569.83	-95.23	89.61	-99.36	0.63	MWD	WEATHERFORD
9/10/2014	5,668.00	1.89	99.86	5,663.77	-94.39	88.95	-96.29	0.17	MWD	WEATHERFORD
9/10/2014	5,763.00	2.32	90.80	5,758.71	-93.89	88.65	-92.82	0.57	MWD	WEATHERFORD
9/10/2014	5,857.00	2.51	82.21	5,852.63	-93.92	88.90	-88.88	0.43	MWD	WEATHERFORD
9/10/2014	5,952.00	2.35	83.43	5,947.54	-94.19	89.41	-84.89	0.18	MWD	WEATHERFORD
9/10/2014	6,046.00	2.42	79.52	6,041.46	-94.54	89.99	-81.02	0.19	MWD	WEATHERFORD
9/10/2014	6,141.00	2.23	76.29	6,136.38	-95.13	90.79	-77.25	0.24	MWD	WEATHERFORD
9/10/2014	6,236.00	2.38	72.77	6,231.30	-95.93	91.81	-73.57	0.22	MWD	WEATHERFORD
9/10/2014	6,330.00	2.39	71.39	6,325.22	-96.92	93.02	-69.85	0.06	MWD	WEATHERFORD
9/10/2014	6,424.00	2.49	73.30	6,419.14	-97.91	94.23	-66.04	0.14	MWD	WEATHERFORD
9/10/2014	6,519.00	2.66	70.27	6,514.04	-99.01	95.57	-61.99	0.23	MWD	WEATHERFORD
9/10/2014	6,613.00	2.89	66.09	6,607.93	-100.46	97.26	-57.77	0.33	MWD	WEATHERFORD
9/10/2014	6,708.00	2.89	66.29	6,702.81	-102.13	99.20	-53.38	0.01	MWD	WEATHERFORD
9/10/2014	6,802.00	2.97	66.60	6,796.69	-103.79	101.12	-48.98	0.09	MWD	WEATHERFORD
9/10/2014	6,897.00	2.67	66.46	6,891.57	-105.40	102.98	-44.69	0.32	MWD	WEATHERFORD
9/10/2014	6,991.00	2.49	66.73	6,985.48	-106.85	104.66	-40.81	0.19	MWD	WEATHERFORD
9/10/2014	7,085.00	2.51	67.38	7,079.39	-108.23	106.26	-37.03	0.04	MWD	WEATHERFORD
9/10/2014	7,180.00	2.39	62.30	7,174.30	-109.73	107.98	-33.36	0.26	MWD	WEATHERFORD
9/10/2014	7,274.00	2.13	61.96	7,268.23	-111.27	109.71	-30.08	0.28	MWD	WEATHERFORD
9/10/2014	7,369.00	1.89	55.84	7,363.17	-112.81	111.42	-27.23	0.34	MWD	WEATHERFORD
9/10/2014	7,463.00	1.88	53.66	7,457.12	-114.45	113.21	-24.70	0.08	MWD	WEATHERFORD
9/10/2014	7,558.00	1.99	61.34	7,552.06	-116.00	114.92	-22.00	0.30	MWD	WEATHERFORD
9/10/2014	7,652.00	1.47	62.77	7,646.02	-117.19	116.25	-19.50	0.56	MWD	WEATHERFORD
9/10/2014	7,746.00	1.10	44.27	7,740.00	-118.29	117.45	-17.79	0.59	MWD	WEATHERFORD
9/10/2014	7,840.00	0.89	38.02	7,833.98	-119.44	118.67	-16.71	0.25	MWD	WEATHERFORD
9/10/2014	7,935.00	0.66	343.86	7,928.98	-120.53	119.78	-16.41	0.77	MWD	WEATHERFORD
9/10/2014	8,029.00	0.35	4.66	8,022.97	-121.34	120.59	-16.54	0.38	MWD	WEATHERFORD
9/10/2014	8,124.00	0.14	0.20	8,117.97	-121.75	120.99	-16.52	0.22	MWD	WEATHERFORD
9/10/2014	8,219.00	0.35	333.64	8,212.97	-122.13	121.37	-16.64	0.25	MWD	WEATHERFORD
9/10/2014	8,313.00	0.07	33.87	8,306.97	-122.44	121.67	-16.74	0.34	MWD	WEATHERFORD
9/10/2014	8,407.00	0.14	278.12	8,400.97	-122.51	121.74	-16.82	0.19	MWD	WEATHERFORD
9/10/2014	8,502.00	0.20	228.96	8,495.97	-122.43	121.64	-17.06	0.16	MWD	WEATHERFORD
9/10/2014	8,596.00	0.25	219.31	8,589.97	-122.18	121.38	-17.31	0.07	MWD	WEATHERFORD
9/10/2014	8,690.00	0.25	171.16	8,683.97	-121.82	121.02	-17.41	0.22	MWD	WEATHERFORD
9/10/2014	8,785.00	0.49	156.05	8,778.97	-121.24	120.44	-17.22	0.27	MWD	WEATHERFORD
9/10/2014	8,879.00	0.66	118.95	8,872.96	-120.57	119.81	-16.58	0.43	MWD	WEATHERFORD
9/10/2014	8,973.00	0.66	128.77	8,966.95	-119.92	119.21	-15.68	0.12	MWD	WEATHERFORD
9/10/2014	9,068.00	0.69	144.98	9,061.95	-119.07	118.40	-14.93	0.20	MWD	WEATHERFORD
9/10/2014	9,162.00	0.56	154.04	9,155.94	-118.16	117.52	-14.40	0.17	MWD	WEATHERFORD
9/10/2014	9,256.00	0.64	176.69	9,249.94	-117.21	116.59	-14.17	0.26	MWD	WEATHERFORD
9/10/2014	9,351.00	0.59	194.13	9,344.93	-116.21	115.58	-14.26	0.20	MWD	WEATHERFORD
9/10/2014	9,445.00	0.56	213.30	9,438.93	-115.38	114.73	-14.63	0.21	MWD	WEATHERFORD
9/10/2014	9,539.00	0.82	212.11	9,532.92	-114.47	113.77	-15.24	0.28	MWD	WEATHERFORD
9/10/2014	9,634.00	0.88	221.52	9,627.91	-113.40	112.65	-16.09	0.16	MWD	WEATHERFORD



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			KB - GL (ft) 25.00	Orig KB Elev (ft) 3,719.30
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9/10/2014	9,728.00	1.42	210.54	9,721.89	-111.92	111.11	-17.16	0.62	MWD	WEATHERFORD
9/10/2014	9,823.00	1.77	209.83	9,816.85	-109.71	108.82	-18.48	0.37	MWD	WEATHERFORD
9/10/2014	9,917.00	2.41	219.35	9,910.79	-107.04	106.03	-20.46	0.77	MWD	WEATHERFORD
9/10/2014	10,011.00	2.69	225.35	10,004.70	-104.13	102.96	-23.28	0.41	MWD	WEATHERFORD
9/10/2014	10,105.00	3.05	230.85	10,098.58	-101.21	99.83	-26.79	0.48	MWD	WEATHERFORD
9/10/2014	10,200.00	3.70	234.10	10,193.42	-98.09	96.43	-31.23	0.71	MWD	WEATHERFORD
9/10/2014	10,389.00	3.47	235.55	10,382.05	-91.85	89.62	-40.89	0.13	MWD	WEATHERFORD
9/10/2014	10,484.00	3.20	240.72	10,476.88	-89.20	86.70	-45.57	0.43	MWD	WEATHERFORD
9/10/2014	10,578.00	3.13	244.17	10,570.74	-87.07	84.30	-50.17	0.22	MWD	WEATHERFORD
9/10/2014	10,663.00	2.48	243.07	10,655.64	-85.45	82.45	-53.90	0.77	MWD	WEATHERFORD
9/10/2014	10,739.00	3.47	216.80	10,731.54	-83.03	79.87	-56.74	2.18	MWD	WEATHERFORD
9/10/2014	10,770.00	7.36	215.67	10,762.39	-80.77	77.50	-58.46	12.55	MWD	WEATHERFORD
9/10/2014	10,802.00	11.34	212.15	10,793.96	-76.61	73.17	-61.33	12.56	MWD	WEATHERFORD
9/10/2014	10,833.00	14.77	207.64	10,824.16	-70.74	67.09	-64.79	11.53	MWD	WEATHERFORD
9/10/2014	10,865.00	18.39	202.54	10,854.82	-62.70	58.81	-68.62	12.18	MWD	WEATHERFORD
9/10/2014	10,896.00	21.61	196.72	10,883.95	-52.93	48.82	-72.14	12.20	MWD	WEATHERFORD
9/10/2014	10,928.00	24.84	193.21	10,913.36	-40.95	36.63	-75.37	10.98	MWD	WEATHERFORD
9/10/2014	10,959.00	27.11	188.78	10,941.23	-27.80	23.31	-77.94	9.63	MWD	WEATHERFORD
9/10/2014	10,991.00	29.25	185.09	10,969.44	-12.93	8.31	-79.74	8.62	MWD	WEATHERFORD
9/10/2014	11,022.00	32.61	182.33	10,996.02	2.88	-7.58	-80.76	11.76	MWD	WEATHERFORD
9/10/2014	11,054.00	36.21	179.48	11,022.42	20.91	-25.66	-81.02	12.32	MWD	WEATHERFORD
9/10/2014	11,085.00	39.97	179.79	11,046.82	40.00	-44.78	-80.90	12.14	MWD	WEATHERFORD
9/10/2014	11,117.00	43.58	178.44	11,070.68	61.30	-66.09	-80.56	11.63	MWD	WEATHERFORD
9/10/2014	11,148.00	46.99	178.15	11,092.49	83.31	-88.10	-79.91	11.02	MWD	WEATHERFORD
9/10/2014	11,180.00	50.02	178.85	11,113.68	107.27	-112.06	-79.28	9.61	MWD	WEATHERFORD
9/10/2014	11,212.00	54.20	178.93	11,133.33	132.50	-137.30	-78.79	13.06	MWD	WEATHERFORD
9/10/2014	11,243.00	57.94	178.24	11,150.63	158.20	-163.01	-78.15	12.20	MWD	WEATHERFORD
9/10/2014	11,274.00	62.11	178.22	11,166.12	185.04	-189.85	-77.33	13.45	MWD	WEATHERFORD
9/10/2014	11,306.00	66.38	178.69	11,180.02	213.84	-218.65	-76.55	13.41	MWD	WEATHERFORD
9/10/2014	11,337.00	70.31	179.92	11,191.46	242.61	-247.46	-76.21	13.20	MWD	WEATHERFORD
9/10/2014	11,369.00	74.77	179.79	11,201.06	273.08	-277.97	-76.13	13.94	MWD	WEATHERFORD
9/10/2014	11,400.00	79.23	179.57	11,208.03	303.24	-308.17	-75.96	14.40	MWD	WEATHERFORD
9/10/2014	11,426.00	82.92	180.27	11,212.06	328.88	-333.85	-75.92	14.44	MWD	WEATHERFORD
10/1/2014	11,500.00	90.84	181.09	11,216.09	402.53	-407.68	-76.80	10.76	MWD	WEATHERFORD
10/1/2014	11,594.00	92.45	180.81	11,213.39	496.22	-501.62	-78.36	1.74	MWD	WEATHERFORD
10/1/2014	11,846.00	89.86	178.47	11,208.31	747.80	-753.53	-76.77	1.38	MWD	WEATHERFORD
10/1/2014	11,940.00	90.07	178.56	11,208.37	841.75	-847.50	-74.34	0.24	MWD	WEATHERFORD
10/1/2014	12,034.00	88.39	177.57	11,209.63	935.71	-941.43	-71.16	2.07	MWD	WEATHERFORD
10/1/2014	12,317.00	88.53	177.40	11,217.23	1,218.57	-1,224.05	-58.75	0.08	MWD	WEATHERFORD
10/1/2014	12,412.00	88.67	177.17	11,219.56	1,313.54	-1,318.92	-54.25	0.28	MWD	WEATHERFORD
10/2/2014	12,506.00	88.74	177.22	11,221.68	1,407.51	-1,412.78	-49.65	0.09	MWD	WEATHERFORD
10/2/2014	12,600.00	88.81	177.58	11,223.69	1,501.48	-1,506.66	-45.39	0.39	MWD	WEATHERFORD
10/2/2014	12,695.00	89.86	177.60	11,224.79	1,596.46	-1,601.57	-41.40	1.11	MWD	WEATHERFORD
10/2/2014	12,789.00	90.00	178.26	11,224.91	1,690.44	-1,695.51	-38.00	0.72	MWD	WEATHERFORD
10/2/2014	12,884.00	90.07	178.62	11,224.85	1,785.39	-1,790.47	-35.41	0.39	MWD	WEATHERFORD
10/2/2014	12,978.00	90.49	179.67	11,224.39	1,879.30	-1,884.46	-34.01	1.20	MWD	WEATHERFORD
10/2/2014	13,072.00	90.63	180.22	11,223.47	1,973.15	-1,978.46	-33.92	0.60	MWD	WEATHERFORD
10/2/2014	13,166.00	89.72	179.05	11,223.18	2,067.02	-2,072.45	-33.32	1.58	MWD	WEATHERFORD
10/2/2014	13,261.00	89.30	178.33	11,224.00	2,161.95	-2,167.42	-31.15	0.88	MWD	WEATHERFORD
10/2/2014	13,355.00	89.30	178.36	11,225.14	2,255.91	-2,261.38	-28.44	0.03	MWD	WEATHERFORD
10/2/2014	13,450.00	89.16	178.55	11,226.42	2,350.85	-2,356.33	-25.88	0.25	MWD	WEATHERFORD
10/2/2014	13,545.00	89.30	177.51	11,227.70	2,445.82	-2,451.27	-22.61	1.10	MWD	WEATHERFORD
10/2/2014	13,639.00	89.58	177.67	11,228.62	2,539.80	-2,545.18	-18.66	0.34	MWD	WEATHERFORD
10/2/2014	13,733.00	89.86	177.85	11,229.08	2,633.78	-2,639.11	-14.98	0.35	MWD	WEATHERFORD
10/2/2014	13,828.00	90.07	177.42	11,229.13	2,728.77	-2,734.03	-11.06	0.50	MWD	WEATHERFORD



Directional Survey

District DELAWARE BASIN	County LEA	Field Name JOHNSON RANCH	Project Group DELAWARE BASIN REG	State/Province NM
Surface Legal Location Sec. 28 T23S R33E	API/UWI 3002541794	Latitude (°) 32° 16' 57.12" N	Longitude (°) 103° 34' 31.443" W	Ground Elev... 3,694.30
			KB - GL (ft) 25.00	Orig KB Elev (ft) 3,719.30
				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
10/2/2014	13,922.00	89.72	176.64	11,229.31	2,822.76	-2,827.90	-6.19	0.91	MWD	WEATHERFORD
10/3/2014	14,017.00	90.14	176.31	11,229.42	2,917.76	-2,922.72	-0.35	0.56	MWD	WEATHERFORD
10/3/2014	14,111.00	90.49	176.52	11,228.91	3,011.76	-3,016.53	5.53	0.43	MWD	WEATHERFORD
10/3/2014	14,206.00	90.56	176.75	11,228.03	3,106.76	-3,111.36	11.10	0.25	MWD	WEATHERFORD
10/3/2014	14,300.00	90.35	176.83	11,227.29	3,200.75	-3,205.21	16.37	0.24	MWD	WEATHERFORD
10/3/2014	14,395.00	90.63	176.85	11,226.48	3,295.75	-3,300.07	21.60	0.30	MWD	WEATHERFORD
10/3/2014	14,489.00	90.49	177.26	11,225.56	3,389.74	-3,393.94	26.43	0.46	MWD	WEATHERFORD
10/3/2014	14,584.00	90.77	177.20	11,224.51	3,484.73	-3,488.82	31.02	0.30	MWD	WEATHERFORD
10/3/2014	14,678.00	91.26	177.20	11,222.85	3,578.71	-3,582.69	35.61	0.52	MWD	WEATHERFORD
10/3/2014	14,772.00	90.21	176.76	11,221.64	3,672.70	-3,676.55	40.56	1.21	MWD	WEATHERFORD
10/3/2014	14,866.00	90.35	176.72	11,221.18	3,766.70	-3,770.40	45.91	0.15	MWD	WEATHERFORD
10/3/2014	14,961.00	90.35	177.32	11,220.60	3,861.70	-3,865.27	50.85	0.63	MWD	WEATHERFORD
10/3/2014	15,056.00	90.00	177.24	11,220.31	3,956.69	-3,960.16	55.36	0.38	MWD	WEATHERFORD
10/3/2014	15,150.00	90.00	177.82	11,220.31	4,050.68	-4,054.07	59.41	0.62	MWD	WEATHERFORD
10/3/2014	15,244.00	89.93	177.93	11,220.37	4,144.66	-4,148.01	62.89	0.14	MWD	WEATHERFORD
10/3/2014	15,339.00	90.35	177.68	11,220.14	4,239.64	-4,242.94	66.53	0.51	MWD	WEATHERFORD
10/3/2014	15,433.00	90.49	178.03	11,219.45	4,333.62	-4,336.87	70.05	0.40	MWD	WEATHERFORD
10/3/2014	15,528.00	90.56	177.69	11,218.58	4,428.59	-4,431.80	73.60	0.37	MWD	WEATHERFORD
10/3/2014	15,622.00	90.98	177.72	11,217.31	4,522.57	-4,525.72	77.36	0.45	MWD	WEATHERFORD
10/3/2014	15,717.00	91.26	178.05	11,215.46	4,617.53	-4,620.63	80.87	0.46	MWD	WEATHERFORD
10/3/2014	15,811.00	91.33	178.10	11,213.33	4,711.48	-4,714.56	84.02	0.09	MWD	WEATHERFORD
10/3/2014	15,825.00	91.40	178.21	11,213.00	4,725.47	-4,728.54	84.47	0.93	MWD	WEATHERFORD
10/3/2014	15,893.00	91.40	178.21	11,211.34	4,793.42	-4,796.49	86.60	0.00	BIT	WEATHERFORD