



HOBBSD

THISTLE UNIT 59H

WEST UNRESTRICTED

FEB 04 2015

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 3002541796	Latitude (°) 32° 16' 57.12" N	Longitude (°) 103° 34' 30.86" W	Ground Elev... 3,694.60
			KB - GL (ft) 25.00	Orig KB Elev (ft) 3,719.60
				Tubing Head Elevation (ft)

Wellbores				
Wellbore Name OH	Parent Wellbore	SAP Well ID	Kick Off Depth (ftKB) 10,692.0	Vertical Section Direction (°) 359.83
Actual Deviation Survey EXTREME / WEATHERFOR, Proposed? No		Definitive? No	Proposed? No	Proposed Deviation Survey

Deviation Survey					
Date 8/13/2014	Description EXTREME / WEATHERFOR				
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)	EW (ft)	DLS (%/100ft)	Survey Tool	Survey Company
8/13/2014	234.00	0.31	210.00	234.00	-0.55	-0.55	-0.32	0.13	MWD	EXTREME
8/13/2014	323.00	1.01	25.84	323.00	-0.05	-0.05	-0.10	1.48	MWD	EXTREME
8/13/2014	413.00	1.19	204.56	412.99	-0.19	-0.19	-0.14	2.44	MWD	EXTREME
8/13/2014	501.00	1.01	211.63	500.97	-1.68	-1.68	-0.92	0.26	MWD	EXTREME
8/13/2014	802.00	1.19	215.37	801.92	-6.47	-6.49	-4.12	0.06	MWD	EXTREME
8/13/2014	982.00	1.10	232.07	981.88	-9.05	-9.07	-6.57	0.19	MWD	EXTREME
8/13/2014	1,169.00	1.19	225.17	1,168.85	-11.52	-11.54	-9.36	0.09	MWD	EXTREME
8/13/2014	1,358.00	1.19	236.64	1,357.80	-13.97	-14.01	-12.39	0.13	MWD	EXTREME
8/18/2014	1,489.00	1.10	234.75	1,488.78	-15.44	-15.48	-14.56	0.07	MWD	EXTREME
8/18/2014	1,581.00	1.10	242.57	1,580.76	-16.35	-16.40	-16.06	0.16	MWD	EXTREME
8/18/2014	1,676.00	1.19	253.64	1,675.74	-17.04	-17.10	-17.82	0.25	MWD	EXTREME
8/18/2014	1,768.00	1.32	267.66	1,767.72	-17.35	-17.41	-19.79	0.36	MWD	EXTREME
8/18/2014	1,963.00	1.32	261.86	1,962.67	-17.75	-17.82	-24.26	0.07	MWD	EXTREME
8/18/2014	2,150.00	1.32	278.47	2,149.62	-17.72	-17.81	-28.52	0.20	MWD	EXTREME
8/18/2014	2,244.00	1.10	264.45	2,243.60	-17.64	-17.73	-30.49	0.39	MWD	EXTREME
8/18/2014	2,341.00	0.79	260.63	2,340.59	-17.84	-17.93	-32.08	0.33	MWD	EXTREME
8/18/2014	2,432.00	0.08	259.36	2,431.58	-17.95	-18.05	-32.76	0.78	MWD	EXTREME
8/18/2014	2,526.00	0.79	263.97	2,525.58	-18.03	-18.13	-33.47	0.76	MWD	EXTREME
8/18/2014	2,621.00	0.70	254.35	2,620.57	-18.25	-18.35	-34.68	0.16	MWD	EXTREME
8/18/2014	2,716.00	0.62	245.47	2,715.57	-18.61	-18.72	-35.70	0.14	MWD	EXTREME
8/18/2014	2,810.00	0.40	278.34	2,809.56	-18.78	-18.88	-36.49	0.38	MWD	EXTREME
8/18/2014	2,904.00	0.31	245.42	2,903.56	-18.83	-18.94	-37.05	0.23	MWD	EXTREME
8/18/2014	2,998.00	0.41	206.05	2,997.56	-19.24	-19.35	-37.43	0.28	MWD	EXTREME
8/18/2014	3,093.00	0.31	245.42	3,092.56	-19.65	-19.76	-37.81	0.27	MWD	EXTREME
8/18/2014	3,187.00	0.09	14.36	3,186.56	-19.68	-19.80	-38.02	0.40	MWD	EXTREME
8/18/2014	3,282.00	0.22	93.87	3,281.56	-19.62	-19.74	-37.82	0.23	MWD	EXTREME
8/18/2014	3,376.00	0.31	64.53	3,375.55	-19.53	-19.64	-37.41	0.17	MWD	EXTREME
8/18/2014	3,471.00	0.31	344.65	3,470.55	-19.17	-19.28	-37.25	0.42	MWD	EXTREME
8/18/2014	3,566.00	0.22	91.26	3,565.55	-18.93	-19.04	-37.13	0.45	MWD	EXTREME
8/18/2014	3,758.00	0.40	137.45	3,757.55	-19.43	-19.54	-36.31	0.15	MWD	EXTREME
8/18/2014	3,850.00	0.22	118.55	3,849.55	-19.75	-19.86	-35.94	0.22	MWD	EXTREME
8/20/2014	3,945.00	0.22	23.46	3,944.55	-19.67	-19.78	-35.71	0.34	MWD	EXTREME
8/20/2014	4,040.00	0.31	306.55	4,039.55	-19.35	-19.46	-35.84	0.35	MWD	EXTREME
8/20/2014	4,139.00	0.31	35.23	4,138.55	-18.98	-19.08	-35.90	0.44	MWD	EXTREME
8/20/2014	4,158.00	0.00	118.86	4,157.55	-18.93	-19.04	-35.87	1.63	MWD	EXTREME
8/20/2014	4,256.00	0.09	109.15	4,255.55	-18.96	-19.07	-35.80	0.09	MWD	EXTREME
8/20/2014	4,350.00	1.19	112.05	4,349.54	-19.35	-19.46	-34.82	1.17	MWD	EXTREME
8/20/2014	4,444.00	2.20	114.47	4,443.50	-20.47	-20.57	-32.28	1.08	MWD	EXTREME
8/20/2014	4,515.00	2.50	107.74	4,514.44	-21.52	-21.61	-29.56	0.57	MWD	EXTREME
8/20/2014	4,707.00	3.21	110.16	4,706.20	-24.67	-24.73	-20.53	0.38	MWD	EXTREME
8/20/2014	4,799.00	3.69	110.25	4,798.03	-26.60	-26.65	-15.33	0.52	MWD	EXTREME
8/20/2014	4,888.00	4.22	111.04	4,886.82	-28.79	-28.81	-9.59	0.60	MWD	EXTREME
8/20/2014	4,986.00	3.91	115.35	4,984.57	-31.53	-31.54	-3.20	0.44	MWD	EXTREME
8/20/2014	5,080.00	3.60	111.04	5,078.37	-33.98	-33.97	2.45	0.45	MWD	EXTREME
8/20/2014	5,130.00	3.60	113.76	5,128.27	-35.18	-35.17	5.35	0.34	MWD	EXTREME
8/20/2014	5,242.00	3.12	115.83	5,240.08	-37.94	-37.91	11.31	0.44	MWD	EXTREME
8/20/2014	5,337.00	3.12	114.64	5,334.94	-40.16	-40.12	15.99	0.07	MWD	EXTREME

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Surface Legal Location SEC. 28 T23S R33E	API/UWI 3002541796	Latitude (°) 32° 16' 57.12" N	Longitude (°) 103° 34' 30.86" W	Ground Elev... 3,694.60
			KB - GL (ft) 25.00	Orig KB Elev (ft) 3,719.60
				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
8/20/2014	5,431.00	3.21	110.03	5,428.80	-42.15	-42.08	20.79	0.29	MWD	EXTREME
8/20/2014	5,527.00	2.99	103.96	5,524.65	-43.68	-43.61	25.74	0.41	MWD	EXTREME
8/20/2014	5,621.00	3.12	96.54	5,618.52	-44.58	-44.49	30.66	0.44	MWD	EXTREME
8/20/2014	5,716.00	2.99	90.34	5,713.39	-44.91	-44.80	35.71	0.37	MWD	EXTREME
8/20/2014	5,811.00	2.99	83.97	5,808.26	-44.68	-44.55	40.65	0.35	MWD	EXTREME
8/20/2014	5,905.00	3.12	78.04	5,902.12	-43.90	-43.77	45.59	0.36	MWD	EXTREME
8/20/2014	6,000.00	2.90	74.04	5,996.99	-42.72	-42.57	50.43	0.32	MWD	EXTREME
8/20/2014	6,095.00	2.59	70.96	6,091.88	-41.37	-41.21	54.77	0.36	MWD	EXTREME
8/20/2014	6,190.00	2.42	72.76	6,186.79	-40.09	-39.91	58.71	0.20	MWD	EXTREME
8/20/2014	6,285.00	2.29	69.56	6,281.71	-38.84	-38.66	62.41	0.19	MWD	EXTREME
8/20/2014	6,379.00	2.20	67.05	6,375.64	-37.49	-37.30	65.83	0.14	MWD	EXTREME
8/20/2014	6,474.00	2.20	62.04	6,470.57	-35.94	-35.73	69.12	0.20	MWD	EXTREME
8/20/2014	6,569.00	2.20	55.67	6,565.50	-34.06	-33.85	72.23	0.26	MWD	EXTREME
8/20/2014	6,663.00	2.20	54.35	6,659.43	-32.00	-31.78	75.19	0.05	MWD	EXTREME
8/20/2014	6,758.00	2.20	46.75	6,754.36	-29.70	-29.47	78.00	0.31	MWD	EXTREME
8/20/2014	6,852.00	2.20	46.26	6,848.29	-27.22	-26.98	80.62	0.02	MWD	EXTREME
8/20/2014	6,947.00	1.58	35.94	6,943.24	-24.91	-24.66	82.70	0.74	MWD	EXTREME
8/20/2014	7,041.00	1.41	31.85	7,037.21	-22.88	-22.63	84.08	0.21	MWD	EXTREME
8/20/2014	7,135.00	1.19	38.97	7,131.19	-21.14	-20.89	85.30	0.29	MWD	EXTREME
8/20/2014	7,229.00	1.19	41.03	7,225.16	-19.65	-19.39	86.55	0.05	MWD	EXTREME
8/20/2014	7,324.00	1.10	41.96	7,320.15	-18.23	-17.97	87.81	0.10	MWD	EXTREME
8/20/2014	7,419.00	1.10	44.46	7,415.13	-16.91	-16.64	89.06	0.05	MWD	EXTREME
8/20/2014	7,513.00	1.10	42.27	7,509.11	-15.60	-15.33	90.30	0.04	MWD	EXTREME
8/20/2014	7,608.00	1.01	58.83	7,604.10	-14.50	-14.22	91.63	0.33	MWD	EXTREME
8/20/2014	7,703.00	0.79	69.73	7,699.08	-13.84	-13.56	92.96	0.29	MWD	EXTREME
8/20/2014	7,796.00	0.70	93.59	7,792.08	-13.66	-13.38	94.13	0.34	MWD	EXTREME
8/20/2014	7,891.00	0.48	69.47	7,887.07	-13.56	-13.27	95.08	0.34	MWD	EXTREME
8/20/2014	7,985.00	0.40	87.97	7,981.07	-13.41	-13.12	95.78	0.17	MWD	EXTREME
8/20/2014	8,080.00	0.40	113.76	8,076.07	-13.53	-13.25	96.41	0.19	MWD	EXTREME
8/20/2014	8,177.00	0.40	129.63	8,173.06	-13.89	-13.60	96.98	0.11	MWD	EXTREME
8/20/2014	8,271.00	0.62	160.43	8,267.06	-14.58	-14.29	97.40	0.37	MWD	EXTREME
8/20/2014	8,366.00	0.62	157.36	8,362.05	-15.54	-15.25	97.77	0.03	MWD	EXTREME
8/20/2014	8,461.00	0.62	150.46	8,457.05	-16.46	-16.17	98.23	0.08	MWD	EXTREME
8/20/2014	8,556.00	0.31	177.44	8,552.05	-17.16	-16.87	98.49	0.39	MWD	EXTREME
8/20/2014	8,651.00	0.48	186.05	8,647.04	-17.82	-17.52	98.46	0.19	MWD	EXTREME
8/20/2014	8,748.00	0.48	193.66	8,744.04	-18.61	-18.32	98.32	0.07	MWD	EXTREME
8/20/2014	8,842.00	0.62	175.16	8,838.04	-19.50	-19.21	98.27	0.24	MWD	EXTREME
8/20/2014	8,937.00	0.62	161.66	8,933.03	-20.50	-20.21	98.48	0.15	MWD	EXTREME
8/20/2014	9,031.00	0.79	155.86	9,027.02	-21.58	-21.29	98.90	0.20	MWD	EXTREME
8/20/2014	9,127.00	0.48	141.23	9,123.02	-22.50	-22.20	99.42	0.36	MWD	EXTREME
8/20/2014	9,221.00	0.62	153.75	9,217.01	-23.26	-22.97	99.90	0.20	MWD	EXTREME
8/20/2014	9,410.00	1.19	187.38	9,405.99	-26.13	-25.83	100.10	0.40	MWD	EXTREME
8/20/2014	9,504.00	1.41	185.66	9,499.97	-28.25	-27.95	99.86	0.24	MWD	EXTREME
8/20/2014	9,599.00	1.80	194.67	9,594.93	-30.85	-30.56	99.36	0.49	MWD	EXTREME
8/20/2014	9,694.00	2.50	199.59	9,689.86	-34.24	-33.95	98.29	0.76	MWD	EXTREME
8/20/2014	9,788.00	2.68	196.65	9,783.76	-38.28	-37.99	96.97	0.24	MWD	EXTREME
8/20/2014	9,882.00	2.90	195.94	9,877.65	-42.66	-42.38	95.69	0.24	MWD	EXTREME
8/20/2014	9,977.00	3.21	205.35	9,972.52	-47.37	-47.09	93.89	0.62	MWD	EXTREME
8/20/2014	10,072.00	3.12	217.65	10,067.37	-51.82	-51.54	91.17	0.72	MWD	EXTREME
8/20/2014	10,167.00	3.21	230.35	10,162.23	-55.55	-55.29	87.55	0.74	MWD	EXTREME
8/20/2014	10,258.00	3.69	236.55	10,253.07	-58.78	-58.53	83.14	0.67	MWD	EXTREME
8/20/2014	10,353.00	3.21	236.46	10,347.89	-61.92	-61.68	78.37	0.51	MWD	EXTREME
8/20/2014	10,448.00	2.90	230.13	10,442.76	-64.91	-64.69	74.31	0.48	MWD	EXTREME
8/20/2014	10,542.00	2.81	230.83	10,536.64	-67.88	-67.67	70.70	0.10	MWD	EXTREME
8/20/2014	10,603.00	2.42	224.24	10,597.58	-69.74	-69.54	68.64	0.81	MWD	EXTREME



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			KB - GL (ft) 25.00	Orig KB Elev (ft) 3,719.60
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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
9/2/2014	10,696.00	0.22	305.64	10,690.55	-71.04	-70.84	67.13	2.58	MWD	WEATHERFORD
9/2/2014	10,727.00	4.84	32.16	10,721.51	-69.90	-69.70	67.78	15.59	MWD	WEATHERFORD
9/2/2014	10,759.00	9.11	23.60	10,753.27	-66.44	-66.23	69.51	13.70	MWD	WEATHERFORD
9/2/2014	10,790.00	12.74	17.43	10,783.70	-60.93	-60.72	71.52	12.29	MWD	WEATHERFORD
9/2/2014	10,821.00	16.57	12.25	10,813.69	-53.36	-53.14	73.48	13.05	MWD	WEATHERFORD
9/2/2014	10,853.00	20.59	9.19	10,844.02	-43.34	-43.12	75.35	12.92	MWD	WEATHERFORD
9/2/2014	10,884.00	24.55	8.70	10,872.64	-31.60	-31.37	77.19	12.79	MWD	WEATHERFORD
9/2/2014	10,916.00	26.66	0.84	10,901.50	-17.85	-17.61	78.30	12.48	MWD	WEATHERFORD
9/2/2014	10,947.00	29.46	355.61	10,928.86	-3.28	-3.05	77.82	12.02	MWD	WEATHERFORD
9/2/2014	10,979.00	33.27	356.91	10,956.18	13.34	13.56	76.75	12.09	MWD	WEATHERFORD
9/2/2014	11,011.00	37.34	356.48	10,982.29	31.80	32.02	75.68	12.74	MWD	WEATHERFORD
9/2/2014	11,042.00	41.42	356.39	11,006.24	51.43	51.65	74.45	13.16	MWD	WEATHERFORD
9/2/2014	11,073.00	45.47	355.01	11,028.75	72.68	72.90	72.85	13.42	MWD	WEATHERFORD
9/2/2014	11,105.00	49.26	354.89	11,050.42	96.13	96.35	70.77	11.85	MWD	WEATHERFORD
9/2/2014	11,137.00	53.19	353.53	11,070.46	120.96	121.16	68.25	12.72	MWD	WEATHERFORD
9/2/2014	11,169.00	55.25	351.06	11,089.17	146.69	146.88	64.76	8.98	MWD	WEATHERFORD
9/2/2014	11,200.00	59.14	349.30	11,105.96	172.37	172.55	60.31	13.42	MWD	WEATHERFORD
9/2/2014	11,232.00	61.90	347.99	11,121.71	199.69	199.85	54.82	9.33	MWD	WEATHERFORD
9/2/2014	11,263.00	65.49	348.22	11,135.44	226.90	227.04	49.10	11.60	MWD	WEATHERFORD
9/2/2014	11,295.00	68.51	349.66	11,147.94	255.82	255.95	43.45	10.31	MWD	WEATHERFORD
9/2/2014	11,326.00	71.34	351.64	11,158.58	284.56	284.67	38.73	10.92	MWD	WEATHERFORD
9/2/2014	11,358.00	74.21	353.08	11,168.06	314.86	314.96	34.67	9.95	MWD	WEATHERFORD
9/2/2014	11,389.00	76.86	355.31	11,175.80	344.73	344.82	31.63	11.03	MWD	WEATHERFORD
9/2/2014	11,418.00	79.09	357.25	11,181.85	373.03	373.12	29.80	10.10	MWD	WEATHERFORD
9/2/2014	11,450.00	80.44	359.20	11,187.53	404.51	404.60	28.82	7.33	MWD	WEATHERFORD
9/2/2014	11,481.00	80.93	359.92	11,192.55	435.10	435.19	28.59	2.78	MWD	WEATHERFORD
9/2/2014	11,512.00	81.43	0.42	11,197.30	465.73	465.82	28.68	2.27	MWD	WEATHERFORD
9/2/2014	11,544.00	81.79	0.79	11,201.97	497.39	497.47	29.01	1.60	MWD	WEATHERFORD
9/2/2014	11,576.00	82.43	0.66	11,206.36	529.08	529.17	29.41	2.04	MWD	WEATHERFORD
9/2/2014	11,608.00	83.55	0.55	11,210.27	560.84	560.93	29.75	3.52	MWD	WEATHERFORD
9/2/2014	11,639.00	84.60	0.59	11,213.47	591.67	591.76	30.05	3.39	MWD	WEATHERFORD
9/2/2014	11,671.00	85.66	0.56	11,216.19	623.55	623.64	30.37	3.31	MWD	WEATHERFORD
9/2/2014	11,702.00	86.92	0.71	11,218.19	654.48	654.57	30.72	4.09	MWD	WEATHERFORD
9/2/2014	11,733.00	88.04	0.74	11,219.56	685.45	685.54	31.11	3.61	MWD	WEATHERFORD
9/2/2014	11,765.00	89.02	0.91	11,220.38	717.43	717.53	31.57	3.11	MWD	WEATHERFORD
9/2/2014	11,859.00	90.84	0.29	11,220.49	811.42	811.52	32.55	2.05	MWD	WEATHERFORD
9/2/2014	11,954.00	91.47	0.17	11,218.58	906.40	906.50	32.94	0.68	MWD	WEATHERFORD
9/2/2014	12,048.00	92.59	0.31	11,215.25	1,000.33	1,000.44	33.33	1.20	MWD	WEATHERFORD
9/2/2014	12,144.00	93.36	0.51	11,210.26	1,096.20	1,096.30	34.01	0.83	MWD	WEATHERFORD
9/2/2014	12,238.00	91.82	0.35	11,206.02	1,190.09	1,190.20	34.72	1.65	MWD	WEATHERFORD
9/2/2014	12,333.00	91.96	0.20	11,202.88	1,285.04	1,285.15	35.18	0.22	MWD	WEATHERFORD
9/2/2014	12,427.00	91.40	0.45	11,200.13	1,378.99	1,379.11	35.71	0.65	MWD	WEATHERFORD
9/2/2014	12,522.00	91.68	0.10	11,197.57	1,473.96	1,474.07	36.16	0.47	MWD	WEATHERFORD
9/2/2014	12,617.00	89.72	359.35	11,196.41	1,568.94	1,569.06	35.71	2.21	MWD	WEATHERFORD
9/2/2014	12,711.00	89.30	359.18	11,197.22	1,662.94	1,663.05	34.50	0.48	MWD	WEATHERFORD
9/2/2014	12,805.00	89.58	358.91	11,198.14	1,756.92	1,757.03	32.94	0.41	MWD	WEATHERFORD
9/2/2014	12,900.00	90.14	359.32	11,198.37	1,851.91	1,852.02	31.47	0.73	MWD	WEATHERFORD
9/2/2014	12,994.00	90.77	359.23	11,197.62	1,945.91	1,946.01	30.28	0.68	MWD	WEATHERFORD
9/2/2014	13,089.00	91.40	359.44	11,195.82	2,040.89	2,040.98	29.18	0.70	MWD	WEATHERFORD
9/2/2014	13,183.00	91.61	359.65	11,193.35	2,134.85	2,134.95	28.43	0.32	MWD	WEATHERFORD
9/2/2014	13,278.00	92.24	0.03	11,190.16	2,229.80	2,229.89	28.17	0.77	MWD	WEATHERFORD
9/2/2014	13,372.00	91.54	359.85	11,187.06	2,323.75	2,323.84	28.07	0.77	MWD	WEATHERFORD
9/2/2014	13,467.00	92.24	0.24	11,183.93	2,418.69	2,418.79	28.14	0.84	MWD	WEATHERFORD
9/2/2014	13,561.00	91.05	359.99	11,181.23	2,512.65	2,512.75	28.33	1.29	MWD	WEATHERFORD
9/2/2014	13,655.00	90.07	359.84	11,180.31	2,606.65	2,606.74	28.19	1.05	MWD	WEATHERFORD



THISTLE UNIT 59H

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 3002541796	Latitude (°) 32° 16' 57.12" N	Longitude (°) 103° 34' 30.86" W	Ground Elev... 3,694.60
			KB - GL (ft) 25.00	Orig KB Elev (ft) 3,719.60
				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
9/2/2014	13,750.00	90.42	0.07	11,179.91	2,701.64	2,701.74	28.12	0.44	MWD	WEATHERFORD
9/2/2014	13,844.00	90.70	0.35	11,178.99	2,795.64	2,795.73	28.46	0.42	MWD	WEATHERFORD
9/2/2014	13,939.00	89.37	0.32	11,178.93	2,890.63	2,890.73	29.02	1.40	MWD	WEATHERFORD
9/2/2014	14,033.00	89.02	359.64	11,180.25	2,984.62	2,984.72	28.98	0.81	MWD	WEATHERFORD
9/2/2014	14,128.00	88.18	359.27	11,182.57	3,079.59	3,079.69	28.08	0.97	MWD	WEATHERFORD
9/2/2014	14,222.00	87.90	358.98	11,185.79	3,173.53	3,173.62	26.64	0.43	MWD	WEATHERFORD
9/2/2014	14,317.00	88.46	359.13	11,188.80	3,268.47	3,268.56	25.08	0.61	MWD	WEATHERFORD
9/2/2014	14,411.00	88.39	359.30	11,191.39	3,362.43	3,362.51	23.79	0.20	MWD	WEATHERFORD
9/2/2014	14,505.00	89.37	358.99	11,193.22	3,456.40	3,456.49	22.39	1.09	MWD	WEATHERFORD
9/2/2014	14,599.00	90.07	359.47	11,193.68	3,550.40	3,550.47	21.13	0.90	MWD	WEATHERFORD
9/2/2014	14,694.00	91.12	359.54	11,192.70	3,645.39	3,645.46	20.31	1.11	MWD	WEATHERFORD
9/2/2014	14,788.00	92.10	359.59	11,190.06	3,739.35	3,739.42	19.59	1.04	MWD	WEATHERFORD
9/2/2014	14,977.00	93.08	0.11	11,181.52	3,928.15	3,928.23	19.10	0.59	MWD	WEATHERFORD
9/2/2014	15,071.00	90.91	359.64	11,178.24	4,022.09	4,022.16	18.89	2.36	MWD	WEATHERFORD
9/2/2014	15,166.00	90.98	359.98	11,176.68	4,117.08	4,117.15	18.58	0.37	MWD	WEATHERFORD
9/2/2014	15,260.00	91.47	0.33	11,174.67	4,211.05	4,211.13	18.83	0.64	MWD	WEATHERFORD
9/2/2014	15,355.00	90.14	0.06	11,173.33	4,306.04	4,306.12	19.15	1.43	MWD	WEATHERFORD
9/2/2014	15,449.00	90.14	0.29	11,173.10	4,400.04	4,400.12	19.44	0.24	MWD	WEATHERFORD
9/2/2014	15,544.00	90.70	0.73	11,172.41	4,495.03	4,495.11	20.29	0.75	MWD	WEATHERFORD
9/2/2014	15,638.00	90.77	0.77	11,171.20	4,589.01	4,589.09	21.52	0.09	MWD	WEATHERFORD
9/2/2014	15,732.00	91.26	0.94	11,169.54	4,682.98	4,683.07	22.92	0.55	MWD	WEATHERFORD
9/2/2014	15,827.00	91.05	1.20	11,167.62	4,777.94	4,778.03	24.69	0.35	MWD	WEATHERFORD
9/2/2014	16,015.00	90.84	2.20	11,164.52	4,965.81	4,965.92	30.27	0.54	MWD	WEATHERFORD
9/2/2014	16,090.00	90.21	2.33	11,163.83	5,040.74	5,040.86	33.23	0.86	MWD	WEATHERFORD
9/2/2014	16,157.00	90.21	2.33	11,163.59	5,107.67	5,107.80	35.96	0.00	BIT	WEATHERFORD