



Well Name: GAUCHO UNIT 16H

RECEIVED

Sub-Division DELAWARE BASIN EAST		Region BASIN EAST		Field Name OJO CHISO		County LEA		State/Province NM	
Surface Legal Location SEC 19 22S 34E		API/UWI 3002541853		Latitude (°) 32° 22' 13.249" N	Longitude (°) 103° 30' 8.723" W	Orig KB Elevation (ft) 3,467.10	Ground Elev MSL (ft) 3,442.10	KB - GL (ft) 25.00	

Wellbores	
Wellbore Name OH	Parent Wellbore OH
SAP Well ID 38604	
Vertical Section Direction (°) 356.14	

Kick Offs & Key Depths			
Date 7/21/2015		Type KICK OFF	Top Depth (ftKB) 9,791.0

Actual Deviation Survey EXTREME-MWD, Proposed? No		Definitive? Yes	Proposed? No	Proposed Deviation Survey
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Deviation Survey	
Date 7/21/2015	
Description EXTREME-MWD	
MD Tie In (ftKB)	TVD Tie In (ftKB)
Inclination Tie In (°)	Azimuth Tie In (°)
NSTie In (ft)	EWtie In (ft)

Survey Data										
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
7/21/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GYRO	EXTREME
7/21/2015	136.00	1.01	118.78	135.99	-0.65	-0.58	1.05	0.74	GYRO	EXTREME
7/21/2015	225.00	1.01	186.20	224.98	-1.84	-1.73	1.65	1.26	GYRO	EXTREME
7/21/2015	330.00	0.88	167.08	329.97	-3.55	-3.44	1.73	0.32	GYRO	EXTREME
7/21/2015	409.00	0.88	154.12	408.96	-4.71	-4.58	2.13	0.25	GYRO	EXTREME
7/21/2015	501.00	0.48	162.51	500.95	-5.74	-5.58	2.56	0.45	GYRO	EXTREME
7/21/2015	592.00	0.09	88.90	591.95	-6.11	-5.94	2.74	0.51	GYRO	EXTREME
7/21/2015	654.00	0.10	81.39	653.95	-6.11	-5.93	2.85	0.03	GYRO	EXTREME
7/21/2015	749.00	1.49	326.82	748.94	-5.03	-4.89	2.25	1.62	GYRO	EXTREME
7/21/2015	837.00	2.02	354.20	836.90	-2.48	-2.39	1.47	1.11	GYRO	EXTREME
7/21/2015	933.00	2.90	355.78	932.81	1.64	1.72	1.12	0.92	GYRO	EXTREME
7/21/2015	1,027.00	3.69	358.20	1,026.65	7.04	7.11	0.85	0.85	GYRO	EXTREME
7/21/2015	1,122.00	3.91	2.20	1,121.45	13.32	13.41	0.88	0.36	GYRO	EXTREME
7/21/2015	1,216.00	3.69	7.60	1,215.24	19.47	19.61	1.40	0.45	GYRO	EXTREME
7/21/2015	1,310.00	4.22	14.41	1,309.02	25.72	25.95	2.66	0.75	GYRO	EXTREME
7/21/2015	1,405.00	4.61	19.38	1,403.73	32.54	32.94	4.80	0.57	GYRO	EXTREME
7/21/2015	1,499.00	4.70	17.49	1,497.42	39.60	40.18	7.21	0.19	GYRO	EXTREME
7/21/2015	1,594.00	4.48	21.09	1,592.12	46.59	47.35	9.71	0.38	GYRO	EXTREME
7/21/2015	1,688.00	4.48	21.80	1,685.83	53.23	54.19	12.40	0.06	GYRO	EXTREME
7/21/2015	1,747.00	4.09	22.98	1,744.67	57.18	58.26	14.08	0.68	GYRO	EXTREME
7/21/2015	1,885.00	3.12	28.39	1,882.39	64.75	66.10	17.78	0.74	GYRO	EXTREME
7/21/2015	1,974.00	2.59	23.12	1,971.28	68.59	70.08	19.72	0.66	GYRO	EXTREME
7/21/2015	2,074.00	2.59	25.62	2,071.18	72.57	74.19	21.59	0.11	GYRO	EXTREME
7/21/2015	2,169.00	2.81	26.81	2,166.07	76.44	78.21	23.57	0.24	GYRO	EXTREME
7/21/2015	2,263.00	3.30	29.59	2,259.94	80.68	82.61	25.94	0.54	GYRO	EXTREME
7/21/2015	2,357.00	3.52	30.98	2,353.77	85.31	87.44	28.76	0.25	GYRO	EXTREME
7/21/2015	2,451.00	3.60	31.60	2,447.59	90.08	92.43	31.80	0.09	GYRO	EXTREME
7/21/2015	2,599.00	3.78	31.20	2,595.29	97.86	100.56	36.76	0.12	GYRO	EXTREME
7/21/2015	2,694.00	4.09	33.31	2,690.06	103.12	106.07	40.24	0.36	GYRO	EXTREME
7/21/2015	2,789.00	4.48	35.82	2,784.80	108.68	111.91	44.27	0.46	GYRO	EXTREME
7/21/2015	2,883.00	4.09	38.58	2,878.53	113.97	117.51	48.51	0.47	GYRO	EXTREME
7/21/2015	2,978.00	4.09	38.50	2,973.29	118.98	122.81	52.73	0.01	GYRO	EXTREME
7/21/2015	3,073.00	4.00	42.01	3,068.06	123.79	127.92	57.06	0.28	GYRO	EXTREME
7/21/2015	3,166.00	4.09	46.98	3,160.82	128.14	132.59	61.65	0.39	GYRO	EXTREME
7/21/2015	3,261.00	4.39	48.00	3,255.56	132.53	137.34	66.83	0.33	GYRO	EXTREME
7/21/2015	3,356.00	4.00	48.20	3,350.31	136.81	141.98	72.01	0.41	GYRO	EXTREME
7/21/2015	3,450.00	3.38	49.50	3,444.11	140.48	145.96	76.56	0.67	GYRO	EXTREME
7/21/2015	3,543.00	2.99	48.60	3,536.97	143.59	149.35	80.46	0.42	GYRO	EXTREME
7/21/2015	3,637.00	2.81	52.52	3,630.85	146.36	152.37	84.13	0.28	GYRO	EXTREME
7/21/2015	3,735.00	2.90	54.00	3,728.73	149.01	155.29	88.04	0.12	GYRO	EXTREME
7/21/2015	3,829.00	2.68	55.28	3,822.62	151.40	157.94	91.77	0.24	GYRO	EXTREME
7/21/2015	3,923.00	2.20	52.60	3,916.53	153.53	160.29	95.01	0.52	GYRO	EXTREME
7/21/2015	4,021.00	1.80	42.72	4,014.47	155.62	162.56	97.55	0.54	GYRO	EXTREME
7/21/2015	4,111.00	1.71	19.51	4,104.43	157.83	164.86	98.96	0.79	GYRO	EXTREME
7/21/2015	4,205.00	2.02	11.69	4,198.38	160.71	167.81	99.76	0.43	GYRO	EXTREME
7/21/2015	4,300.00	1.71	11.12	4,293.33	163.69	170.84	100.37	0.33	GYRO	EXTREME
7/21/2015	4,393.00	2.11	357.20	4,386.28	166.75	173.91	100.56	0.66	GYRO	EXTREME
7/21/2015	4,488.00	2.59	337.02	4,481.20	170.52	177.63	99.63	1.00	GYRO	EXTREME
7/21/2015	4,582.00	2.20	340.80	4,575.12	174.27	181.29	98.21	0.45	GYRO	EXTREME
7/21/2015	4,677.00	2.02	338.91	4,670.05	177.63	184.58	97.01	0.20	GYRO	EXTREME
7/21/2015	4,771.00	2.20	337.72	4,763.99	180.92	187.79	95.73	0.20	GYRO	EXTREME
7/21/2015	4,867.00	2.20	338.38	4,859.92	184.42	191.21	94.35	0.03	GYRO	EXTREME
7/21/2015	4,975.00	2.29	340.49	4,967.84	188.48	195.17	92.87	0.11	GYRO	EXTREME
7/21/2015	5,084.00	2.02	341.41	5,076.76	192.43	199.04	91.53	0.25	GYRO	EXTREME
7/21/2015	5,178.00	2.11	341.19	5,170.70	195.71	202.25	90.44	0.10	GYRO	EXTREME
7/21/2015	5,273.00	1.89	339.61	5,265.64	198.90	205.38	89.33	0.24	GYRO	EXTREME
7/21/2015	5,368.00	1.89	335.92	5,360.59	201.87	208.28	88.15	0.13	GYRO	EXTREME
7/21/2015	5,462.00	1.89	327.79	5,454.54	204.69	211.00	86.69	0.29	GYRO	EXTREME
7/21/2015	5,556.00	1.89	322.60	5,548.49	207.34	213.55	84.92	0.18	GYRO	EXTREME
7/21/2015	5,652.00	1.71	319.31	5,644.44	209.81	215.89	83.02	0.22	GYRO	EXTREME
7/21/2015	5,747.00	1.49	316.19	5,739.40	211.89	217.86	81.25	0.25	GYRO	EXTREME
7/21/2015	5,840.00	1.49	313.81	5,832.37	213.71	219.56	79.54	0.07	GYRO	EXTREME
7/21/2015	5,934.00	1.49	312.89	5,926.34	215.51	221.24	77.76	0.03	GYRO	EXTREME
7/21/2015	6,029.00	1.43	308.40	6,021.31	217.20	222.82	75.92	0.14	GYRO	EXTREME
7/21/2015	6,124.00	1.41	302.21	6,116.28	218.69	224.18	74.01	0.16	GYRO	EXTREME
7/21/2015	6,217.00	1.49	300.98	6,209.25	220.05	225.41	72.00	0.09	GYRO	EXTREME



Directional Survey

Well Name: GAUCHO UNIT 16H

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Surface Legal Location SEC 19 22S 34E		API/UMI 3002541853		Latitude (°) 32° 22' 13.249" N		Longitude (°) 103° 30' 8.723" W		Orig KB Elevation (ft) 3,467.10		Ground Elev MSL (ft) 3,442.10		KB - GL (ft) 25.00	
Survey Data													
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7/21/2015	6,312.00	1.49	300.81	6,304.22	221.46	226.68	69.88	0.00	GYRO	EXTREME			
7/21/2015	6,407.00	1.41	303.18	6,399.19	222.87	227.95	67.84	0.11	GYRO	EXTREME			
7/21/2015	6,501.00	1.32	303.00	6,493.16	224.21	229.17	65.97	0.10	GYRO	EXTREME			
7/21/2015	6,594.00	1.19	301.99	6,586.14	225.42	230.27	64.25	0.14	GYRO	EXTREME			
7/21/2015	6,690.00	1.19	297.20	6,682.12	226.52	231.25	62.52	0.10	GYRO	EXTREME			
7/21/2015	6,784.00	1.10	294.61	6,776.10	227.45	232.07	60.83	0.11	GYRO	EXTREME			
7/21/2015	6,879.00	1.19	296.90	6,871.08	228.39	232.90	59.12	0.11	GYRO	EXTREME			
7/21/2015	6,975.00	1.01	302.52	6,967.06	229.40	233.81	57.52	0.22	GYRO	EXTREME			
7/21/2015	7,069.00	0.88	301.42	7,061.05	230.31	234.63	56.20	0.14	GYRO	EXTREME			
7/21/2015	7,164.00	0.62	276.68	7,156.04	230.83	235.07	55.07	0.43	GYRO	EXTREME			
7/21/2015	7,259.00	0.40	229.61	7,251.04	230.72	234.91	54.31	0.48	GYRO	EXTREME			
7/21/2015	7,350.00	0.40	206.59	7,342.03	230.26	234.42	53.92	0.18	GYRO	EXTREME			
7/21/2015	7,445.00	0.48	205.01	7,437.03	229.63	233.77	53.61	0.09	GYRO	EXTREME			
7/21/2015	7,540.00	0.70	201.49	7,532.03	228.75	232.87	53.23	0.23	GYRO	EXTREME			
7/21/2015	7,636.00	0.48	190.68	7,628.02	227.84	231.93	52.94	0.26	GYRO	EXTREME			
7/21/2015	7,731.00	0.62	178.42	7,723.02	226.94	231.02	52.88	0.19	GYRO	EXTREME			
7/21/2015	7,823.00	0.40	173.01	7,815.01	226.12	230.20	52.93	0.24	GYRO	EXTREME			
7/21/2015	7,918.00	0.31	188.00	7,910.01	225.54	229.62	52.93	0.14	GYRO	EXTREME			
7/21/2015	8,015.00	0.09	263.98	8,007.01	225.28	229.35	52.82	0.31	GYRO	EXTREME			
7/21/2015	8,106.00	0.09	169.72	8,098.01	225.20	229.27	52.76	0.14	GYRO	EXTREME			
7/21/2015	8,200.00	0.09	164.88	8,192.01	225.06	229.13	52.80	0.01	GYRO	EXTREME			
7/21/2015	8,295.00	0.22	101.60	8,287.01	224.93	229.02	52.99	0.21	GYRO	EXTREME			
7/21/2015	8,390.00	0.31	104.50	8,382.01	224.81	228.92	53.42	0.10	GYRO	EXTREME			
7/21/2015	8,484.00	0.48	67.98	8,476.01	224.85	229.00	54.03	0.31	GYRO	EXTREME			
7/21/2015	8,582.00	0.88	59.59	8,574.00	225.31	229.54	55.06	0.42	GYRO	EXTREME			
7/21/2015	8,674.00	1.10	80.29	8,665.99	225.72	230.05	56.54	0.45	GYRO	EXTREME			
7/21/2015	8,767.00	1.10	74.13	8,758.97	225.99	230.44	58.28	0.13	GYRO	EXTREME			
7/21/2015	8,863.00	1.10	86.09	8,854.95	226.19	230.76	60.09	0.24	GYRO	EXTREME			
7/21/2015	8,957.00	0.88	99.44	8,948.94	226.02	230.70	61.70	0.34	GYRO	EXTREME			
7/21/2015	9,052.00	0.62	116.20	9,043.93	225.60	230.35	62.88	0.36	GYRO	EXTREME			
7/21/2015	9,147.00	0.48	166.60	9,138.93	224.95	229.74	63.43	0.51	GYRO	EXTREME			
7/21/2015	9,241.00	0.48	195.29	9,232.92	224.19	228.98	63.42	0.25	GYRO	EXTREME			
7/21/2015	9,338.00	0.80	255.81	9,329.92	223.68	228.42	62.66	0.72	GYRO	EXTREME			
7/21/2015	9,431.00	1.41	260.11	9,422.90	223.44	228.06	60.90	0.66	GYRO	EXTREME			
7/21/2015	9,524.00	1.58	263.80	9,515.87	223.27	227.73	58.50	0.21	GYRO	EXTREME			
7/21/2015	9,695.00	1.19	245.70	9,686.82	222.56	226.74	54.54	0.34	GYRO	EXTREME			
7/21/2015	9,741.00	1.10	234.52	9,732.81	222.16	226.29	53.74	0.52	MWD	WEATHERFORD			
7/21/2015	9,773.00	1.19	235.07	9,764.80	221.83	225.92	53.22	0.28	MWD	WEATHERFORD			
7/21/2015	9,804.00	2.77	306.34	9,795.79	222.14	226.18	52.35	8.52	MWD	WEATHERFORD			
7/21/2015	9,836.00	6.25	322.61	9,827.68	224.09	228.02	50.67	11.48	MWD	WEATHERFORD			
7/21/2015	9,867.00	9.90	336.24	9,858.38	228.01	231.80	48.57	13.22	MWD	WEATHERFORD			
7/21/2015	9,899.00	13.64	338.49	9,889.70	234.19	237.83	46.08	11.77	MWD	WEATHERFORD			
7/21/2015	9,930.00	16.77	340.61	9,919.61	241.99	245.46	43.25	10.25	MWD	WEATHERFORD			
7/21/2015	9,962.00	19.83	341.73	9,949.99	251.69	254.97	40.02	9.63	MWD	WEATHERFORD			
7/21/2015	9,993.00	22.88	346.18	9,978.86	262.73	265.81	36.93	11.13	MWD	WEATHERFORD			
7/21/2015	10,025.00	26.63	346.04	10,007.91	275.92	278.82	33.71	11.72	MWD	WEATHERFORD			
7/21/2015	10,057.00	30.79	346.52	10,035.97	291.06	293.75	30.07	13.02	MWD	WEATHERFORD			
7/21/2015	10,088.00	34.53	349.80	10,062.07	307.62	310.12	26.66	13.34	MWD	WEATHERFORD			
7/21/2015	10,120.00	38.42	351.25	10,087.79	326.55	328.88	23.54	12.45	MWD	WEATHERFORD			
7/21/2015	10,151.00	41.79	352.18	10,111.50	346.46	348.64	20.67	11.04	MWD	WEATHERFORD			
7/21/2015	10,183.00	44.22	353.76	10,134.90	368.25	370.30	18.01	8.31	MWD	WEATHERFORD			
7/21/2015	10,214.00	46.47	354.87	10,156.69	390.29	392.24	15.83	7.69	MWD	WEATHERFORD			
7/21/2015	10,245.00	49.43	355.62	10,177.45	413.30	415.18	13.92	9.72	MWD	WEATHERFORD			
7/21/2015	10,277.00	52.54	355.05	10,197.59	438.16	439.96	11.90	9.82	MWD	WEATHERFORD			
7/21/2015	10,309.00	55.80	355.42	10,216.32	464.10	465.81	9.75	10.23	MWD	WEATHERFORD			
7/21/2015	10,340.00	58.85	355.73	10,233.06	490.19	491.82	7.73	9.87	MWD	WEATHERFORD			
7/21/2015	10,372.00	61.94	355.95	10,248.86	518.00	519.57	5.72	9.67	MWD	WEATHERFORD			
7/21/2015	10,403.00	64.53	356.02	10,262.82	545.68	547.18	3.78	8.36	MWD	WEATHERFORD			
7/21/2015	10,435.00	66.86	355.57	10,275.99	574.84	576.26	1.64	7.39	MWD	WEATHERFORD			
7/21/2015	10,466.00	68.34	355.31	10,287.80	603.50	604.83	-0.64	4.84	MWD	WEATHERFORD			
7/21/2015	10,498.00	70.38	354.69	10,299.08	633.44	634.66	-3.25	6.63	MWD	WEATHERFORD			
7/21/2015	10,529.00	72.58	354.63	10,308.93	662.82	663.92	-5.99	7.10	MWD	WEATHERFORD			
7/21/2015	10,561.00	74.42	355.09	10,318.02	693.49	694.48	-8.73	5.91	MWD	WEATHERFORD			
7/21/2015	10,592.00	76.01	355.04	10,325.93	723.46	724.34	-11.31	5.13	MWD	WEATHERFORD			
7/21/2015	10,624.00	77.51	355.37	10,333.26	754.61	755.38	-13.92	4.79	MWD	WEATHERFORD			
7/21/2015	10,655.00	78.81	355.04	10,339.62	784.94	785.62	-16.45	4.32	MWD	WEATHERFORD			
7/21/2015	10,687.00	79.81	354.90	10,345.55	816.38	816.94	-19.21	3.15	MWD	WEATHERFORD			
7/21/2015	10,716.00	80.89	355.29	10,350.42	844.96	845.42	-21.65	3.95	MWD	WEATHERFORD			
7/21/2015	10,748.00	82.43	355.04	10,355.06	876.62	876.97	-24.32	4.87	MWD	WEATHERFORD			
7/21/2015	10,779.00	83.06	354.46	10,358.97	907.36	907.59	-27.14	2.75	MWD	WEATHERFORD			
7/21/2015	10,811.00	84.25	354.48	10,362.51	939.15	939.25	-30.20	3.72	MWD	WEATHERFORD			
7/21/2015	10,842.00	85.46	355.33	10,365.29	970.02	970.00	-32.94	4.76	MWD	WEATHERFORD			
7/21/2015	10,905.00	86.99	355.00	10,369.44	1,032.87	1,032.64	-38.24	2.48	MWD	WEATHERFORD			
7/21/2015	11,000.00	88.88	355.80	10,372.86	1,127.80	1,127.27	-45.85	2.16	MWD	WEATHERFORD			
7/21/2015	11,094.00	90.07	356.69	10,373.72	1,221.79	1,221.06	-52.01	1.58	MWD	WEATHERFORD			
7/21/2015	11,189.00	90.56	356.70	10,373.20	1,316.78	1,315.90	-57.49	0.52	MWD	WEATHERFORD			
7/21/2015	11,283.00	91.19	356.81	10,371.76	1,410.77	1,409.74	-62.81	0.68	MWD	WEATHERFORD			

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Report Printed: 11/16/2015



Directional Survey

Well Name: GAUCHO UNIT 16H

Sub-Division DELAWARE BASIN EAST		Region BASIN EAST		Field Name OJO CHISO		County LEA		State/Province NM					
Surface Legal Location SEC 19 22S 34E		API/UWI 3002541853		Latitude (") 32° 22' 13.249" N		Longitude (") 103° 30' 8.723" W		Orig KB Elevation (ft) 3,467.10		Ground Elev MSL (ft) 3,442.10		KB - GL (ft) 25.00	

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS ("/100ft)	Survey Tool	Survey Company
7/21/2015	11,378.00	92.52	357.62	10,368.69	1,505.70	1,504.57	-67.42	1.64	MWD	WEATHERFORD
7/21/2015	11,472.00	94.06	357.09	10,363.29	1,599.52	1,598.31	-71.75	1.73	MWD	WEATHERFORD
7/21/2015	11,567.00	93.71	356.37	10,356.86	1,694.29	1,692.94	-77.16	0.84	MWD	WEATHERFORD
7/21/2015	11,661.00	92.17	356.06	10,352.03	1,788.17	1,786.61	-83.35	1.67	MWD	WEATHERFORD
7/21/2015	11,755.00	91.89	356.63	10,348.70	1,882.11	1,880.36	-89.34	0.68	MWD	WEATHERFORD
7/21/2015	11,850.00	90.77	356.77	10,346.50	1,977.08	1,975.17	-94.81	1.19	MWD	WEATHERFORD
7/21/2015	11,944.00	88.74	356.43	10,346.90	2,071.07	2,069.00	-100.38	2.19	MWD	WEATHERFORD
7/21/2015	12,039.00	89.30	355.23	10,348.53	2,166.05	2,163.73	-107.29	1.39	MWD	WEATHERFORD
7/21/2015	12,133.00	89.86	352.71	10,349.22	2,259.97	2,257.20	-117.17	2.75	MWD	WEATHERFORD
7/21/2015	12,228.00	88.60	353.04	10,350.49	2,354.81	2,351.46	-128.95	1.37	MWD	WEATHERFORD
7/21/2015	12,322.00	86.78	352.86	10,354.28	2,448.58	2,444.67	-140.47	1.95	MWD	WEATHERFORD
7/21/2015	12,416.00	87.13	352.10	10,359.27	2,542.26	2,537.73	-152.76	0.89	MWD	WEATHERFORD
7/21/2015	12,511.00	87.97	352.30	10,363.34	2,636.94	2,631.76	-165.64	0.91	MWD	WEATHERFORD
7/21/2015	12,606.00	88.74	352.14	10,366.06	2,731.68	2,725.85	-178.49	0.83	MWD	WEATHERFORD
7/21/2015	12,700.00	87.69	352.75	10,368.99	2,825.44	2,818.99	-190.85	1.29	MWD	WEATHERFORD
7/21/2015	12,794.00	87.55	352.20	10,372.89	2,919.17	2,912.10	-203.15	0.60	MWD	WEATHERFORD
7/21/2015	12,889.00	87.62	351.95	10,376.90	3,013.84	3,006.10	-216.23	0.27	MWD	WEATHERFORD
7/21/2015	12,983.00	87.97	352.28	10,380.51	3,107.54	3,099.15	-229.12	0.51	MWD	WEATHERFORD
7/21/2015	13,078.00	89.02	355.38	10,383.01	3,202.42	3,193.55	-239.32	3.44	MWD	WEATHERFORD
7/21/2015	13,172.00	90.98	357.48	10,383.01	3,296.41	3,287.36	-245.18	3.06	MWD	WEATHERFORD
7/21/2015	13,266.00	92.24	357.94	10,380.37	3,390.33	3,381.24	-248.93	1.43	MWD	WEATHERFORD
7/21/2015	13,361.00	92.59	357.52	10,376.37	3,485.21	3,476.09	-252.69	0.58	MWD	WEATHERFORD
7/21/2015	13,455.00	92.59	358.03	10,372.12	3,579.08	3,569.92	-256.34	0.54	MWD	WEATHERFORD
7/21/2015	13,550.00	91.82	356.99	10,368.46	3,673.98	3,664.76	-260.46	1.36	MWD	WEATHERFORD
7/21/2015	13,644.00	90.35	355.39	10,366.68	3,767.95	3,758.53	-266.71	2.31	MWD	WEATHERFORD
7/21/2015	13,738.00	89.86	355.41	10,366.51	3,861.95	3,852.22	-274.24	0.52	MWD	WEATHERFORD
7/21/2015	13,833.00	86.85	356.31	10,369.24	3,956.89	3,946.92	-281.10	3.31	MWD	WEATHERFORD
7/21/2015	13,927.00	86.15	357.04	10,374.98	4,050.71	4,040.59	-286.54	1.07	MWD	WEATHERFORD
7/21/2015	14,022.00	87.27	357.60	10,380.43	4,145.53	4,135.33	-290.92	1.32	MWD	WEATHERFORD
7/21/2015	14,116.00	87.83	357.22	10,384.45	4,239.42	4,229.14	-295.22	0.72	MWD	WEATHERFORD
7/21/2015	14,211.00	87.97	357.18	10,387.93	4,334.34	4,323.97	-299.86	0.15	MWD	WEATHERFORD
7/21/2015	14,306.00	87.97	358.09	10,391.29	4,429.25	4,418.83	-303.78	0.96	MWD	WEATHERFORD
7/21/2015	14,400.00	88.74	358.45	10,393.99	4,523.15	4,512.74	-306.61	0.90	MWD	WEATHERFORD
7/21/2015	14,495.00	90.00	359.05	10,395.04	4,618.04	4,607.71	-308.68	1.47	MWD	WEATHERFORD
7/21/2015	14,562.00	91.12	359.14	10,394.38	4,684.95	4,674.70	-309.74	1.68	MWD	WEATHERFORD
7/21/2015	14,632.00	91.12	359.14	10,393.01	4,754.84	4,744.68	-310.79	0.00	BIT	WEATHERFORD