



Directional Survey

Well Name: MIZAR 11 FED COM 21H

Sub-Division DELAWARE BASIN WEST		Region SLOPE EAST		Field Name HACKBERRY		County EDDY		State/Province NM					
Surface Legal Location SEC11 T19S R31E		API/UWI 3001543273		Latitude (") 32° 40' 42.002" N		Longitude (") 103° 50' 53.593" W		Orig KB Elevation (ft) 3,611.10		Ground Elev MSL (ft) 3,586.10		KB - GL (ft) 25.00	
Wellbores													
Wellbore Name OH				Parent Wellbore OH				SAP Well ID 38811				Vertical Section Direction (*) 89.50	
Kick Offs & Key Depths													
Date 8/28/2015				Type CURVE				Top Depth (ftKB) 8,524.0					
Actual Deviation Survey ACTUAL SURVEYS, Proposed? No				Definitive? No		Proposed? No		Proposed Deviation Survey					
Deviation Survey													
Date 8/19/2015				Description ACTUAL SURVEYS									
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		EWTie In (ft) 0.00			
Survey Data													
Date	MD (ftKB)	Incl (*)	Azm (*)	TVD (ftKB)	VS (ft)	N/S (ft)	EW (ft)	DLS (*)/100ft	Survey Tool	Survey Company			
8/19/2015	200.00	0.00	85.50	200.00	0.00	0.00	0.00	0.00	MWD	WEATHERFORD			
8/19/2015	298.00	0.50	147.46	298.00	0.23	-0.36	0.23	0.51	MWD	WEATHERFORD			
8/19/2015	399.00	0.10	147.40	399.00	0.51	-0.81	0.51	0.40	MWD	WEATHERFORD			
8/19/2015	556.00	0.50	184.40	555.99	0.52	-1.60	0.54	0.27	MWD	WEATHERFORD			
8/19/2015	648.00	0.40	166.40	647.99	0.56	-2.32	0.58	0.19	MWD	WEATHERFORD			
8/19/2015	702.00	0.20	176.40	701.99	0.61	-2.59	0.63	0.38	MWD	WEATHERFORD			
8/21/2015	800.00	0.50	241.40	799.99	0.24	-2.97	0.27	0.46	MWD	WEATHERFORD			
8/21/2015	892.00	0.30	254.40	891.99	-0.35	-3.23	-0.32	0.24	MWD	WEATHERFORD			
8/21/2015	985.00	0.60	199.40	984.98	-0.75	-3.75	-0.71	0.53	MWD	WEATHERFORD			
8/22/2015	1,077.00	0.10	227.40	1,076.98	-0.97	-4.26	-0.93	0.56	MWD	WEATHERFORD			
8/22/2015	1,170.00	0.20	214.40	1,169.98	-1.12	-4.45	-1.09	0.11	MWD	WEATHERFORD			
8/22/2015	1,262.00	0.40	208.40	1,261.98	-1.37	-4.86	-1.33	0.22	MWD	WEATHERFORD			
8/22/2015	1,354.00	0.40	173.40	1,353.98	-1.49	-5.47	-1.44	0.26	MWD	WEATHERFORD			
8/22/2015	1,450.00	0.40	161.40	1,449.98	-1.35	-6.12	-1.30	0.09	MWD	WEATHERFORD			
8/22/2015	1,544.00	0.30	98.40	1,543.98	-1.01	-6.46	-0.95	0.40	MWD	WEATHERFORD			
8/22/2015	1,640.00	0.50	128.40	1,639.97	-0.43	-6.76	-0.37	0.29	MWD	WEATHERFORD			
8/22/2015	1,735.00	0.30	82.40	1,734.97	0.14	-6.98	0.20	0.38	MWD	WEATHERFORD			
8/22/2015	1,829.00	1.00	98.40	1,828.96	-1.19	-7.07	1.25	0.76	MWD	WEATHERFORD			
8/22/2015	1,924.00	0.90	78.40	1,923.95	2.74	-7.04	2.80	0.36	MWD	WEATHERFORD			
8/22/2015	2,019.00	1.40	94.40	2,018.93	4.63	-6.98	4.69	0.62	MWD	WEATHERFORD			
8/22/2015	2,114.00	1.50	89.40	2,113.90	7.03	-7.06	7.09	0.17	MWD	WEATHERFORD			
8/22/2015	2,210.00	1.10	83.40	2,209.88	9.20	-6.94	9.26	0.44	MWD	WEATHERFORD			
8/22/2015	2,304.00	1.60	91.40	2,303.85	11.41	-6.87	11.47	0.57	MWD	WEATHERFORD			
8/22/2015	2,399.00	1.40	92.40	2,398.82	13.90	-6.95	13.96	0.21	MWD	WEATHERFORD			
8/22/2015	2,494.00	0.80	92.40	2,493.80	15.72	-7.02	15.78	0.63	MWD	WEATHERFORD			
8/22/2015	2,589.00	0.70	92.40	2,588.79	16.96	-7.08	17.02	0.11	MWD	WEATHERFORD			
8/22/2015	2,684.00	1.00	80.40	2,683.78	18.36	-6.96	18.42	0.37	MWD	WEATHERFORD			
8/22/2015	2,780.00	0.90	101.40	2,779.77	19.92	-6.97	19.98	0.37	MWD	WEATHERFORD			
8/22/2015	2,875.00	0.80	104.40	2,874.76	21.29	-7.28	21.36	0.12	MWD	WEATHERFORD			
8/22/2015	2,970.00	0.70	106.40	2,969.75	22.49	-7.61	22.56	0.11	MWD	WEATHERFORD			
8/22/2015	3,066.00	0.70	78.40	3,065.74	23.63	-7.66	23.69	0.35	MWD	WEATHERFORD			
8/22/2015	3,160.00	1.00	102.40	3,159.73	24.99	-7.72	25.06	0.49	MWD	WEATHERFORD			
8/22/2015	3,255.00	0.70	82.40	3,254.72	26.37	-7.82	26.44	0.44	MWD	WEATHERFORD			
8/22/2015	3,350.00	0.70	80.40	3,349.72	27.52	-7.65	27.59	0.03	MWD	WEATHERFORD			
8/22/2015	3,445.00	0.60	86.00	3,444.71	28.59	-7.52	28.66	0.12	MWD	WEATHERFORD			
8/23/2015	3,541.00	0.80	105.40	3,540.70	29.74	-7.66	29.81	0.32	MWD	WEATHERFORD			
8/23/2015	3,635.00	0.70	102.40	3,634.69	30.93	-7.96	31.00	0.11	MWD	WEATHERFORD			
8/23/2015	3,730.00	0.80	70.40	3,729.69	32.12	-7.86	32.19	0.45	MWD	WEATHERFORD			
8/23/2015	3,825.00	0.60	62.40	3,824.68	33.19	-7.41	33.26	0.23	MWD	WEATHERFORD			
8/23/2015	3,920.00	0.80	80.40	3,919.67	34.29	-7.07	34.35	0.31	MWD	WEATHERFORD			
8/23/2015	4,015.00	1.00	64.40	4,014.66	35.69	-6.60	35.75	0.34	MWD	WEATHERFORD			
8/23/2015	4,109.00	0.60	48.40	4,108.65	36.81	-5.92	36.86	0.48	MWD	WEATHERFORD			
8/23/2015	4,204.00	0.90	77.00	4,203.64	37.91	-5.42	37.96	0.50	MWD	WEATHERFORD			
8/23/2015	4,300.00	0.50	43.00	4,299.64	38.94	-4.94	38.98	0.58	MWD	WEATHERFORD			
8/24/2015	4,396.00	0.90	78.40	4,395.63	39.96	-4.48	40.00	0.60	MWD	WEATHERFORD			
8/24/2015	4,491.00	0.90	57.40	4,490.62	41.33	-3.93	41.36	0.35	MWD	WEATHERFORD			
8/24/2015	4,551.00	0.50	42.40	4,550.61	41.91	-3.49	41.94	0.73	MWD	WEATHERFORD			
8/26/2015	4,664.00	0.63	35.48	4,663.61	42.61	-2.62	42.63	0.13	MWD	WEATHERFORD			
8/24/2015	4,759.00	0.66	282.94	4,758.60	42.38	-2.07	42.40	1.13	MWD	WEATHERFORD			
8/24/2015	4,854.00	1.53	258.75	4,853.59	40.60	-2.19	40.62	1.02	MWD	WEATHERFORD			
8/24/2015	4,950.00	2.73	252.89	4,949.52	37.15	-3.11	37.18	1.27	MWD	WEATHERFORD			
8/24/2015	5,046.00	3.53	247.97	5,045.38	32.21	-4.90	32.26	0.88	MWD	WEATHERFORD			
8/24/2015	5,141.00	4.41	244.96	5,140.15	26.17	-7.54	26.24	0.95	MWD	WEATHERFORD			
8/24/2015	5,235.00	4.46	245.94	5,233.86	19.53	-10.56	19.62	0.10	MWD	WEATHERFORD			
8/24/2015	5,329.00	5.10	249.54	5,327.54	12.25	-13.51	12.37	0.75	MWD	WEATHERFORD			
8/24/2015	5,425.00	5.98	249.97	5,423.09	3.53	-16.71	3.68	0.92	MWD	WEATHERFORD			
8/27/2015	5,520.00	6.50	250.97	5,517.53	-6.23	-20.16	-6.06	0.56	MWD	WEATHERFORD			
8/27/2015	5,615.00	6.61	252.37	5,611.90	-16.56	-23.57	-16.35	0.20	MWD	WEATHERFORD			
8/27/2015	5,710.00	6.47	252.07	5,706.29	-26.89	-26.87	-26.65	0.15	MWD	WEATHERFORD			
8/27/2015	5,803.00	6.47	252.18	5,798.69	-36.89	-30.09	-36.63	0.01	MWD	WEATHERFORD			
8/27/2015	5,898.00	6.38	254.19	5,893.10	-47.09	-33.17	-46.80	0.25	MWD	WEATHERFORD			
8/27/2015	5,994.00	6.33	254.12	5,988.51	-57.34	-36.07	-57.02	0.05	MWD	WEATHERFORD			
8/27/2015	6,089.00	6.29	256.09	6,082.93	-67.45	-38.75	-67.11	0.23	MWD	WEATHERFORD			
8/27/2015	6,182.00	6.16	256.43	6,175.38	-77.27	-41.15	-76.91	0.15	MWD	WEATHERFORD			
8/27/2015	6,277.00	5.89	256.75	6,269.86	-86.98	-43.46	-86.61	0.29	MWD	WEATHERFORD			
8/27/2015	6,373.00	6.03	256.67	6,365.34	-96.71	-45.75	-96.31	0.15	MWD	WEATHERFORD			



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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			
8/27/2015	6,468.00	6.02	253.44	6,459.82	-106.36	-48.32	-105.94	0.36	MWD	WEATHERFORD			
8/27/2015	6,563.00	5.76	249.51	6,554.31	-115.62	-51.41	-115.18	0.50	MWD	WEATHERFORD			
8/27/2015	6,658.00	5.97	247.27	6,648.82	-124.68	-54.99	-124.20	0.33	MWD	WEATHERFORD			
8/27/2015	6,847.00	6.29	245.88	6,836.74	-143.26	-63.02	-142.72	0.19	MWD	WEATHERFORD			
8/27/2015	6,943.00	6.65	247.08	6,932.12	-153.22	-67.33	-152.64	0.40	MWD	WEATHERFORD			
8/27/2015	7,038.00	6.53	246.60	7,026.50	-163.28	-71.62	-162.66	0.14	MWD	WEATHERFORD			
8/27/2015	7,133.00	5.77	246.74	7,120.95	-172.66	-75.65	-172.01	0.80	MWD	WEATHERFORD			
8/27/2015	7,228.00	5.83	249.52	7,215.46	-181.60	-79.22	-180.91	0.30	MWD	WEATHERFORD			
8/27/2015	7,323.00	6.01	249.26	7,309.96	-190.80	-82.67	-190.08	0.19	MWD	WEATHERFORD			
8/27/2015	7,323.00	6.01	249.26	7,309.96	-190.80	-82.67	-190.08	0.19	MWD	WEATHERFORD			
8/27/2015	7,418.00	6.34	248.84	7,404.41	-200.37	-86.33	-199.63	0.35	MWD	WEATHERFORD			
8/27/2015	7,514.00	6.72	252.33	7,499.78	-210.70	-89.95	-209.92	0.57	MWD	WEATHERFORD			
8/27/2015	7,609.00	6.25	252.45	7,594.17	-220.95	-93.19	-220.15	0.49	MWD	WEATHERFORD			
8/27/2015	7,705.00	5.51	252.06	7,689.67	-230.35	-96.19	-229.52	0.77	MWD	WEATHERFORD			
8/27/2015	7,800.00	4.97	252.43	7,784.27	-238.63	-98.84	-237.78	0.57	MWD	WEATHERFORD			
8/27/2015	7,895.00	4.68	251.00	7,878.93	-246.24	-101.34	-245.37	0.33	MWD	WEATHERFORD			
8/27/2015	7,990.00	4.87	250.03	7,973.60	-253.72	-103.98	-252.82	0.22	MWD	WEATHERFORD			
8/27/2015	8,084.00	3.46	253.98	8,067.35	-260.21	-106.12	-259.30	1.53	MWD	WEATHERFORD			
8/27/2015	8,180.00	2.35	259.43	8,163.23	-264.94	-107.29	-264.02	1.19	MWD	WEATHERFORD			
8/27/2015	8,276.00	1.61	266.68	8,259.17	-268.23	-107.72	-267.30	0.81	MWD	WEATHERFORD			
8/27/2015	8,371.00	0.79	273.60	8,354.15	-270.21	-107.76	-269.28	0.87	MWD	WEATHERFORD			
8/27/2015	8,454.00	0.56	301.26	8,437.14	-271.13	-107.51	-270.20	0.47	MWD	WEATHERFORD			
8/27/2015	8,556.00	4.77	72.77	8,539.03	-267.49	-106.00	-266.58	5.06	MWD	WEATHERFORD			
8/27/2015	8,588.00	8.79	73.54	8,570.80	-263.86	-104.91	-262.96	12.57	MWD	WEATHERFORD			
8/27/2015	8,620.00	12.18	74.58	8,602.27	-258.25	-103.32	-257.36	10.61	MWD	WEATHERFORD			
8/27/2015	8,652.00	12.81	77.19	8,633.51	-251.52	-101.64	-250.64	2.64	MWD	WEATHERFORD			
8/27/2015	8,684.00	14.97	78.54	8,664.57	-244.00	-100.03	-243.13	6.83	MWD	WEATHERFORD			
8/27/2015	8,716.00	18.20	76.99	8,695.23	-235.06	-98.08	-234.21	10.19	MWD	WEATHERFORD			
8/27/2015	8,747.00	21.37	74.36	8,724.40	-224.88	-95.47	-224.05	10.62	MWD	WEATHERFORD			
8/27/2015	8,779.00	24.88	72.22	8,753.83	-212.82	-91.84	-212.02	11.28	MWD	WEATHERFORD			
8/27/2015	8,811.00	27.46	72.00	8,782.54	-199.35	-87.50	-198.59	8.07	MWD	WEATHERFORD			
8/27/2015	8,843.00	30.02	71.82	8,810.60	-184.69	-82.73	-183.97	8.00	MWD	WEATHERFORD			
8/27/2015	8,874.00	33.64	71.92	8,836.93	-169.11	-77.64	-168.43	11.68	MWD	WEATHERFORD			
8/27/2015	8,906.00	37.42	72.42	8,862.97	-151.36	-71.95	-150.73	11.85	MWD	WEATHERFORD			
8/27/2015	8,938.00	40.93	73.29	8,887.77	-131.99	-66.00	-131.42	11.10	MWD	WEATHERFORD			
8/27/2015	8,969.00	44.11	73.68	8,910.62	-111.85	-60.04	-111.34	10.29	MWD	WEATHERFORD			
8/27/2015	9,001.00	47.49	74.10	8,932.93	-89.76	-53.68	-89.30	10.60	MWD	WEATHERFORD			
8/27/2015	9,033.00	51.38	73.36	8,953.73	-66.37	-46.87	-65.97	12.28	MWD	WEATHERFORD			
8/27/2015	9,065.00	54.64	72.85	8,972.98	-41.86	-39.44	-41.52	10.27	MWD	WEATHERFORD			
8/27/2015	9,097.00	57.53	72.26	8,990.84	-16.46	-31.48	-16.18	9.16	MWD	WEATHERFORD			
8/27/2015	9,129.00	61.10	72.30	9,007.16	9.82	-23.10	10.03	11.16	MWD	WEATHERFORD			
8/27/2015	9,160.00	64.56	71.63	9,021.32	36.12	-14.56	36.24	11.33	MWD	WEATHERFORD			
8/27/2015	9,191.00	68.23	71.72	9,033.73	63.15	-5.63	63.21	11.84	MWD	WEATHERFORD			
8/27/2015	9,223.00	72.30	72.65	9,044.53	91.90	3.58	91.88	13.01	MWD	WEATHERFORD			
8/27/2015	9,254.00	75.88	75.69	9,053.03	120.65	11.70	120.55	14.91	MWD	WEATHERFORD			
8/27/2015	9,286.00	79.74	78.06	9,059.79	151.16	18.80	151.01	14.07	MWD	WEATHERFORD			
8/27/2015	9,318.00	82.08	78.91	9,064.84	182.18	25.10	181.97	7.77	MWD	WEATHERFORD			
8/27/2015	9,349.00	83.13	79.80	9,068.83	212.44	30.78	212.18	4.42	MWD	WEATHERFORD			
8/27/2015	9,358.00	83.63	80.50	9,069.87	221.26	32.31	220.99	9.52	MWD	WEATHERFORD			
8/27/2015	9,390.00	86.50	82.91	9,072.62	252.84	36.91	252.53	11.69	MWD	WEATHERFORD			
8/27/2015	9,421.00	88.39	85.45	9,074.00	283.67	40.05	283.33	10.21	MWD	WEATHERFORD			
8/27/2015	9,453.00	89.79	87.40	9,074.51	315.62	42.04	315.27	7.50	MWD	WEATHERFORD			
8/27/2015	9,485.00	90.00	88.64	9,074.57	347.61	43.15	347.25	3.93	MWD	WEATHERFORD			
8/27/2015	9,579.00	91.26	89.79	9,073.54	441.60	44.44	441.23	1.81	MWD	WEATHERFORD			
8/27/2015	9,674.00	91.89	90.66	9,070.93	536.55	44.06	536.19	1.13	MWD	WEATHERFORD			
8/27/2015	9,770.00	90.84	90.70	9,068.64	632.51	42.92	632.15	1.09	MWD	WEATHERFORD			
8/27/2015	9,866.00	90.21	89.60	9,067.76	728.49	42.67	728.15	1.32	MWD	WEATHERFORD			
8/27/2015	9,961.00	89.30	91.12	9,068.17	823.48	42.08	823.14	1.86	MWD	WEATHERFORD			
8/27/2015	10,056.00	91.19	88.87	9,067.76	918.46	42.08	918.13	3.09	MWD	WEATHERFORD			
8/27/2015	10,152.00	91.54	88.61	9,065.47	1,014.43	44.19	1,014.08	0.45	MWD	WEATHERFORD			
8/27/2015	10,247.00	90.63	88.90	9,063.67	1,109.40	46.26	1,109.04	1.01	MWD	WEATHERFORD			
8/27/2015	10,343.00	91.05	89.12	9,062.27	1,205.39	47.92	1,205.01	0.49	MWD	WEATHERFORD			
8/27/2015	10,437.00	89.86	88.89	9,061.52	1,299.38	49.55	1,299.00	1.29	MWD	WEATHERFORD			
8/27/2015	10,532.00	89.72	89.09	9,061.87	1,394.37	51.22	1,393.98	0.26	MWD	WEATHERFORD			
8/27/2015	10,626.00	90.56	89.00	9,061.64	1,488.37	52.79	1,487.97	0.90	MWD	WEATHERFORD			
8/27/2015	10,722.00	91.40	89.21	9,060.00	1,584.35	54.29	1,583.94	0.90	MWD	WEATHERFORD			
8/27/2015	10,817.00	91.68	87.67	9,057.44	1,679.30	56.87	1,678.87	1.65	MWD	WEATHERFORD			
8/27/2015	10,912.00	88.88	89.84	9,056.98	1,774.27	58.94	1,773.83	3.73	MWD	WEATHERFORD			
8/27/2015	11,006.00	89.30	89.75	9,058.47	1,868.26	59.27	1,867.82	0.46	MWD	WEATHERFORD			
8/27/2015	11,100.00	89.65	89.33	9,059.33	1,962.26	60.03	1,961.81	0.58	MWD	WEATHERFORD			
9/1/2015	11,195.00	90.07	89.89	9,059.57	2,057.26	60.68	2,056.80	0.74	MWD	WEATHERFORD			
9/1/2015	11,290.00	90.49	89.62	9,059.10	2,152.25	61.08	2,151.80	0.53	MWD	WEATHERFORD			
9/1/2015	11,386.00	89.65	89.50	9,058.98	2,248.25	61.82	2,247.80	0.88	MWD	WEATHERFORD			
9/1/2015	11,479.00	89.79	89.05	9,059.44	2,341.25	63.00	2,340.79	0.51	MWD	WEATHERFORD			
9/1/2015	11,574.00	89.79	89.04	9,059.79	2,436.25	64.58	2,435.78	0.01	MWD	WEATHERFORD			
9/1/2015	11,669.00	89.58	88.55	9,060.31	2,531.24	66.58	2,530.75	0.56	MWD	WEATHERFORD			
9/1/2015	11,765.00	89.65	88.40	9,060.95	2,627.22	69.13	2,626.72	0.17	MWD	WEATHERFORD			
Page 2/3													
Report Printed: 1/19/2016													



Directional Survey

Well Name: MIZAR 11 FED COM 21H

Sub-Division	Region	Field Name	County	State/Province		
DELAWARE BASIN WEST	SLOPE EAST	HACKBERRY	EDDY	NM		
Surface Legal Location	API/UWI	Latitude (")	Longitude (")	Orig KB Elevation (ft)	Ground Elev MSL (ft)	KB - GL (ft)
SEC11 T19S R31E	3001543273	32° 40' 42.002" N	103° 50' 53.593" W	3,611.10	3,586.10	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
9/1/2015	11,860.00	90.35	89.02	9,060.95	2,722.21	71.27	2,721.69	0.98	MWD	WEATHERFORD
9/1/2015	11,955.00	90.63	89.09	9,060.14	2,817.20	72.84	2,816.68	0.30	MWD	WEATHERFORD
9/1/2015	12,050.00	90.98	89.47	9,058.81	2,912.19	74.03	2,911.66	0.54	MWD	WEATHERFORD
9/1/2015	12,144.00	89.72	89.72	9,058.23	3,006.19	74.69	3,005.65	1.37	MWD	WEATHERFORD
9/1/2015	12,240.00	88.39	89.69	9,059.82	3,102.17	75.19	3,101.64	1.39	MWD	WEATHERFORD
9/1/2015	12,335.00	87.76	89.98	9,063.01	3,197.12	75.46	3,196.58	0.73	MWD	WEATHERFORD
9/1/2015	12,430.00	88.25	89.76	9,066.31	3,292.06	75.68	3,291.52	0.57	MWD	WEATHERFORD
9/1/2015	12,525.00	87.90	90.23	9,069.51	3,387.00	75.69	3,386.47	0.62	MWD	WEATHERFORD
9/1/2015	12,620.00	88.67	90.08	9,072.35	3,481.95	75.43	3,481.43	0.83	MWD	WEATHERFORD
9/2/2015	12,715.00	89.65	90.13	9,073.74	3,576.93	75.26	3,576.41	1.03	MWD	WEATHERFORD
9/2/2015	12,811.00	90.42	89.93	9,073.68	3,672.93	75.21	3,672.41	0.83	MWD	WEATHERFORD
9/2/2015	12,906.00	91.40	89.53	9,072.17	3,767.92	75.65	3,767.40	1.11	MWD	WEATHERFORD
9/2/2015	13,001.00	91.12	88.54	9,070.08	3,862.89	77.25	3,862.36	1.08	MWD	WEATHERFORD
9/2/2015	13,096.00	91.47	88.42	9,067.94	3,957.85	79.77	3,957.30	0.39	MWD	WEATHERFORD
9/2/2015	13,192.00	89.23	89.20	9,067.35	4,053.83	81.77	4,053.27	2.47	MWD	WEATHERFORD
9/2/2015	13,286.00	89.86	88.96	9,068.10	4,147.83	83.27	4,147.26	0.72	MWD	WEATHERFORD
9/2/2015	13,381.00	91.82	88.59	9,066.71	4,242.80	85.30	4,242.22	2.10	MWD	WEATHERFORD
9/2/2015	13,477.00	93.64	88.04	9,062.13	4,338.67	88.12	4,338.07	1.98	MWD	WEATHERFORD
9/2/2015	13,572.00	93.57	87.59	9,056.16	4,433.44	91.74	4,432.81	0.48	MWD	WEATHERFORD
9/2/2015	13,668.00	94.27	88.22	9,049.60	4,529.18	95.24	4,528.52	0.98	MWD	WEATHERFORD
9/2/2015	13,763.00	92.38	88.42	9,044.09	4,623.99	98.02	4,623.31	2.00	MWD	WEATHERFORD
9/2/2015	13,858.00	90.84	87.82	9,041.42	4,718.93	101.14	4,718.22	1.74	MWD	WEATHERFORD
9/2/2015	13,929.00	91.05	87.78	9,040.25	4,789.88	103.86	4,789.16	0.30	MWD	WEATHERFORD
9/2/2015	14,010.00	91.05	87.78	9,038.76	4,870.83	107.00	4,870.09	0.00	BIT	WEATHERFORD