

NOV 16 2015

RECEIVED

Well Name: HOGNOSE VIPER 23 FED 2H

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name JOHNSON RANCH	County CEA	Ground Elevation (ft) 3,707.10	Ground Elev MSL (ft) 3,682.10	KB - GL (ft) 25.00
Surface Legal Location Sec 23 S33E	Latitude (°) 32° 17' 0.05" N	Longitude (°) 103° 32' 53.803" W				

Wellbores

Wellbore Name OH	Parent Wellbore OH	SAP Well ID 38008	Vertical Section Direction (°) 3.00
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Kick Offs & Key Depths

Date 3/23/2015	Type Kick Off	Top Depth (ft) 10,762.0
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Actual Deviation Survey
EXTREME, Proposed? NoDefinitive?
YesProposed?
No

Proposed Deviation Survey

Deviation Survey

Date 3/12/2015	Description EXTREME				
MD Tie in (ftKB)	TVD Tie in (ftKB)	Inclination Tie in (°)	Azimuth Tie in (°)	NS Tie in (ft)	EW Tie in (ft)
0.00	0.00	0.00	0.00	0.00	0.00

Survey Data

Date	MD (ft)	Incl (°)	Azm (°)	TVD (ft)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
3/12/2015	234.00	2.20	95.42	233.94	-0.19	-0.42	4.47	0.94	MWD	EXTREME
3/12/2015	289.00	2.50	103.33	288.90	-0.45	-0.80	6.69	0.80	MWD	EXTREME
3/12/2015	340.00	2.02	98.23	339.86	-0.73	-1.19	8.66	1.02	MWD	EXTREME
3/12/2015	379.00	1.80	101.22	378.83	-0.88	-1.40	9.94	0.82	MWD	EXTREME
3/12/2015	436.00	1.89	102.80	435.81	-1.17	-1.79	11.74	0.18	MWD	EXTREME
3/12/2015	492.00	2.20	104.20	491.77	-1.53	-2.25	13.68	0.56	MWD	EXTREME
3/12/2015	552.00	2.20	100.60	551.73	-1.91	-2.75	15.93	0.23	MWD	EXTREME
3/12/2015	611.00	1.41	105.00	610.70	-2.21	-3.14	17.74	1.36	MWD	EXTREME
3/12/2015	732.00	1.49	104.69	731.66	-2.84	-3.93	20.70	0.07	MWD	EXTREME
3/12/2015	795.00	1.49	108.03	794.64	-3.22	-4.39	22.27	0.14	MWD	EXTREME
3/12/2015	921.00	0.88	111.10	920.61	-3.94	-5.25	24.73	0.49	MWD	EXTREME
3/12/2015	984.00	1.10	120.73	983.60	-4.38	-5.73	25.71	0.44	MWD	EXTREME
3/12/2015	1,047.00	1.01	119.91	1,046.59	-4.91	-6.31	26.71	0.14	MWD	EXTREME
3/12/2015	1,109.00	1.06	104.91	1,108.58	-5.27	-6.73	27.73	0.44	MWD	EXTREME
3/12/2015	1,172.00	0.88	114.49	1,171.57	-5.57	-7.08	28.74	0.38	MWD	EXTREME
3/12/2015	1,236.00	0.70	85.22	1,235.56	-5.70	-7.26	29.57	0.68	MWD	EXTREME
3/12/2015	1,298.00	0.79	72.70	1,297.56	-5.50	-7.10	30.36	0.30	MWD	EXTREME
3/12/2015	1,512.00	0.63	65.95	1,511.54	-4.45	-6.18	32.84	0.08	MWD	WEATHERFORD
3/12/2015	1,606.00	0.60	43.56	1,605.54	-3.84	-5.61	33.65	0.26	MWD	WEATHERFORD
3/12/2015	1,701.00	0.64	23.41	1,700.53	-2.97	-4.76	34.21	0.23	MWD	WEATHERFORD
3/12/2015	1,795.00	0.49	21.81	1,794.53	-2.10	-3.91	34.57	0.16	MWD	WEATHERFORD
3/12/2015	1,890.00	0.41	27.08	1,889.52	-1.40	-3.23	34.87	0.09	MWD	WEATHERFORD
3/12/2015	1,984.00	0.43	33.97	1,983.52	-0.79	-2.64	35.22	0.06	MWD	WEATHERFORD
3/12/2015	2,078.00	0.35	4.63	2,077.52	-0.20	-2.08	35.44	0.23	MWD	WEATHERFORD
3/12/2015	2,173.00	0.30	32.23	2,172.52	0.31	-1.56	35.60	0.17	MWD	WEATHERFORD
3/12/2015	2,267.00	0.20	10.74	2,266.52	0.88	-1.19	35.76	0.14	MWD	WEATHERFORD
3/12/2015	2,361.00	0.29	345.17	2,360.52	1.07	-0.80	35.73	0.15	MWD	WEATHERFORD
3/12/2015	2,456.00	0.31	6.48	2,455.51	1.56	-0.31	35.70	0.12	MWD	WEATHERFORD
3/12/2015	2,550.00	0.25	328.89	2,549.51	1.98	0.12	35.62	0.20	MWD	WEATHERFORD
3/12/2015	2,644.00	0.29	300.42	2,643.51	2.26	0.41	35.31	0.15	MWD	WEATHERFORD
3/12/2015	2,739.00	0.28	315.82	2,738.51	2.53	0.70	34.94	0.08	MWD	WEATHERFORD
3/12/2015	2,833.00	0.22	320.42	2,832.51	2.82	1.00	34.68	0.07	MWD	WEATHERFORD
3/12/2015	2,928.00	0.07	231.61	2,927.51	2.91	1.11	34.50	0.24	MWD	WEATHERFORD
3/12/2015	3,022.00	0.22	41.65	3,021.51	3.02	1.21	34.58	0.31	MWD	WEATHERFORD
3/12/2015	3,116.00	0.28	53.64	3,115.51	3.30	1.48	34.68	0.08	MWD	WEATHERFORD
3/12/2015	3,211.00	0.22	35.37	3,210.51	3.60	1.77	35.17	0.10	MWD	WEATHERFORD
3/12/2015	3,305.00	0.16	61.69	3,304.51	3.83	1.98	35.39	0.11	MWD	WEATHERFORD
3/12/2015	3,400.00	0.04	7.46	3,399.51	3.93	2.07	35.52	0.15	MWD	WEATHERFORD
3/12/2015	3,494.00	0.21	339.99	3,493.51	4.12	2.27	35.46	0.18	MWD	WEATHERFORD
3/12/2015	3,589.00	0.35	6.32	3,588.51	4.57	2.72	35.43	0.19	MWD	WEATHERFORD
3/12/2015	3,683.00	0.20	1.13	3,682.50	5.02	3.17	35.48	0.18	MWD	WEATHERFORD
3/12/2015	3,778.00	0.25	25.89	3,777.50	5.38	3.52	35.55	0.11	MWD	WEATHERFORD
3/12/2015	3,872.00	0.20	10.63	3,871.50	5.73	3.87	35.67	0.08	MWD	WEATHERFORD
3/12/2015	3,966.00	0.28	20.58	3,965.50	6.11	4.25	35.78	0.10	MWD	WEATHERFORD
3/12/2015	4,060.00	0.31	106.77	4,059.50	6.27	4.39	36.11	0.43	MWD	WEATHERFORD
3/12/2015	4,154.00	0.66	109.06	4,153.50	6.06	4.14	36.86	0.37	MWD	WEATHERFORD
3/12/2015	4,248.00	0.74	103.49	4,247.49	5.80	3.82	37.96	0.11	MWD	WEATHERFORD
3/12/2015	4,342.00	0.98	104.94	4,341.48	5.52	3.47	39.33	0.26	MWD	WEATHERFORD
3/12/2015	4,437.00	1.61	114.15	4,436.46	4.87	2.71	41.33	0.70	MWD	WEATHERFORD
3/12/2015	4,531.00	2.75	115.44	4,530.39	3.54	1.21	44.58	1.21	MWD	WEATHERFORD
3/12/2015	4,626.00	3.54	116.33	4,625.24	1.51	-1.07	49.26	0.83	MWD	WEATHERFORD
3/12/2015	4,720.00	3.79	111.16	4,719.05	-0.61	-3.48	54.76	0.44	MWD	WEATHERFORD
3/12/2015	4,815.00	4.31	115.15	4,813.81	-2.94	-6.13	60.92	0.62	MWD	WEATHERFORD
3/12/2015	4,910.00	4.64	115.84	4,908.52	-5.77	-9.33	67.61	0.35	MWD	WEATHERFORD
3/12/2015	5,005.00	4.76	116.23	5,003.20	-8.82	-12.74	74.60	0.13	MWD	WEATHERFORD
3/12/2015	5,099.00	4.07	114.68	5,096.92	-11.59	-15.86	81.13	0.74	MWD	WEATHERFORD
3/12/2015	5,144.00	3.73	112.29	5,141.82	-12.66	-17.08	83.94	0.84	MWD	WEATHERFORD
3/12/2015	5,290.00	2.83	110.14	5,287.58	-15.30	-20.12	91.72	0.82	MWD	WEATHERFORD
3/12/2015	5,385.00	2.90	102.47	5,382.46	-16.38	-21.45	96.27	0.41	MWD	WEATHERFORD
3/12/2015	5,479.00	3.81	104.07	5,476.30	-17.37	-22.72	101.62	0.97	MWD	WEATHERFORD
3/12/2015	5,574.00	4.26	106.56	5,571.06	-18.81	-24.50	108.06	0.51	MWD	WEATHERFORD
3/12/2015	5,668.00	5.23	108.49	5,664.74	-20.77	-26.85	115.47	1.05	MWD	WEATHERFORD
3/12/2015	5,763.00	5.32	113.27	5,759.34	-23.45	-29.96	123.62	0.47	MWD	WEATHERFORD
3/12/2015	5,858.00	6.30	111.98	5,853.85	-26.67	-33.65	132.50	1.04	MWD	WEATHERFORD
3/12/2015	5,952.00	7.52	108.75	5,947.16	-30.02	-37.56	143.11	1.36	MWD	WEATHERFORD
3/12/2015	6,046.00	8.69	105.74	6,040.22	-33.26	-41.46	155.77	1.32	MWD	WEATHERFORD

NOV 23 2015



Directional Survey

Well Name: HOGNOSE VIPER 23 FED 2H

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name JOHNSON RANCH	Section E.A.	Traverse N.M.
Surface Legal Location Sec 23 23S 33E	API No. 3002541975	Latitude (°) 32° 17' 0.05" N	Longitude (°) 103° 32' 53.803" W	Orig KB Elevation (ft) 3,707.10
				Ground Elev MSL (ft) 3,682.10
				KB - GL (ft) 25.00

Survey Data										
Date	MD (ft)	Incl (°)	Azm (°)	TVD (ft)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
3/12/2015	6,141.00	8.29	104.45	6,134.18	-36.20	-45.12	169.31	0.47	MWD	WEATHERFORD
3/12/2015	6,235.00	7.55	104.18	6,227.29	-38.74	-48.32	181.66	0.79	MWD	WEATHERFORD
3/12/2015	6,330.00	7.74	102.21	6,321.44	-40.97	-51.21	194.16	0.34	MWD	WEATHERFORD
3/12/2015	6,425.00	8.47	100.48	6,415.49	-42.91	-53.83	207.29	0.81	MWD	WEATHERFORD
3/12/2015	6,519.00	8.49	98.16	6,508.47	-44.43	-56.08	220.97	0.36	MWD	WEATHERFORD
3/12/2015	6,613.00	8.57	98.08	6,601.43	-45.68	-58.05	234.77	0.09	MWD	WEATHERFORD
3/12/2015	6,708.00	9.23	102.55	6,695.28	-47.57	-60.70	249.22	1.01	MWD	WEATHERFORD
3/12/2015	6,803.00	9.34	102.07	6,789.04	-50.05	-63.96	264.19	0.14	MWD	WEATHERFORD
3/12/2015	6,897.00	9.47	102.89	6,881.77	-52.58	-67.28	279.19	0.20	MWD	WEATHERFORD
3/12/2015	6,992.00	8.72	106.13	6,975.58	-55.56	-71.03	293.73	0.96	MWD	WEATHERFORD
3/12/2015	7,086.00	8.94	106.94	7,068.47	-58.94	-75.14	307.56	0.27	MWD	WEATHERFORD
3/12/2015	7,181.00	8.89	107.11	7,162.34	-62.46	-79.40	321.48	0.26	MWD	WEATHERFORD
3/12/2015	7,275.00	8.79	107.93	7,255.25	-66.05	-83.70	335.10	0.17	MWD	WEATHERFORD
3/12/2015	7,370.00	8.82	108.28	7,349.13	-69.83	-88.22	348.92	0.06	MWD	WEATHERFORD
3/12/2015	7,465.00	8.75	108.52	7,443.02	-73.69	-92.80	362.69	0.08	MWD	WEATHERFORD
3/12/2015	7,558.00	9.07	108.92	7,534.90	-77.59	-97.42	376.33	0.35	MWD	WEATHERFORD
3/12/2015	7,654.00	8.78	110.28	7,629.73	-81.84	-102.41	390.36	0.37	MWD	WEATHERFORD
3/12/2015	7,748.00	8.82	111.25	7,722.63	-86.23	-107.51	403.81	0.16	MWD	WEATHERFORD
3/12/2015	7,843.00	8.36	111.40	7,816.56	-90.69	-112.67	417.03	0.48	MWD	WEATHERFORD
3/12/2015	7,937.00	8.07	113.42	7,909.60	-95.15	-117.79	429.44	0.44	MWD	WEATHERFORD
3/12/2015	8,031.00	8.01	113.52	8,002.67	-99.75	-123.02	441.50	0.07	MWD	WEATHERFORD
3/12/2015	8,126.00	7.67	115.44	8,096.78	-104.49	-128.39	453.30	0.45	MWD	WEATHERFORD
3/12/2015	8,220.00	7.61	117.08	8,189.95	-109.42	-133.92	464.50	0.24	MWD	WEATHERFORD
3/12/2015	8,315.00	7.03	118.26	8,284.18	-114.47	-139.53	475.22	0.63	MWD	WEATHERFORD
3/12/2015	8,409.00	6.55	120.49	8,377.52	-119.40	-144.98	484.91	0.58	MWD	WEATHERFORD
3/12/2015	8,504.00	6.59	117.60	8,471.89	-124.17	-150.25	494.41	0.35	MWD	WEATHERFORD
3/12/2015	8,598.00	6.48	113.76	8,565.28	-128.30	-154.89	504.05	0.48	MWD	WEATHERFORD
3/12/2015	8,693.00	6.16	112.94	8,659.70	-131.93	-159.03	513.65	0.36	MWD	WEATHERFORD
3/12/2015	8,787.00	5.72	116.31	8,753.20	-135.51	-163.08	522.49	0.60	MWD	WEATHERFORD
3/12/2015	8,882.00	4.94	116.99	8,847.79	-139.04	-167.03	530.38	0.82	MWD	WEATHERFORD
3/12/2015	8,977.00	4.67	117.11	8,942.45	-142.29	-170.65	537.47	0.28	MWD	WEATHERFORD
3/12/2015	9,071.00	4.07	120.27	9,036.18	-145.38	-174.07	543.75	0.69	MWD	WEATHERFORD
3/12/2015	9,166.00	3.32	117.30	9,130.98	-148.05	-177.04	549.11	0.81	MWD	WEATHERFORD
3/12/2015	9,260.00	2.77	114.23	9,224.85	-150.00	-179.22	553.60	0.61	MWD	WEATHERFORD
3/12/2015	9,355.00	2.43	111.33	9,319.75	-151.46	-180.89	557.57	0.38	MWD	WEATHERFORD
3/12/2015	9,449.00	2.50	105.88	9,413.66	-152.55	-182.18	561.40	0.26	MWD	WEATHERFORD
3/12/2015	9,544.00	2.03	118.09	9,508.59	-153.72	-183.54	564.87	0.71	MWD	WEATHERFORD
3/12/2015	9,639.00	2.13	139.91	9,603.53	-155.72	-185.68	567.50	0.84	MWD	WEATHERFORD
3/12/2015	9,733.00	1.75	148.01	9,697.48	-158.18	-188.23	569.38	0.50	MWD	WEATHERFORD
3/12/2015	9,828.00	1.20	168.46	9,792.44	-160.33	-190.44	570.35	0.79	MWD	WEATHERFORD
3/12/2015	9,922.00	0.87	187.54	9,886.43	-161.99	-192.11	570.45	0.50	MWD	WEATHERFORD
3/12/2015	10,017.00	0.84	204.44	9,981.42	-163.36	-193.46	570.07	0.27	MWD	WEATHERFORD
3/12/2015	10,111.00	0.87	224.05	10,075.41	-164.54	-194.60	569.29	0.31	MWD	WEATHERFORD
3/12/2015	10,206.00	0.80	217.62	10,170.40	-165.63	-195.64	568.38	0.12	MWD	WEATHERFORD
3/12/2015	10,300.00	0.85	194.19	10,264.39	-166.85	-196.84	567.81	0.36	MWD	WEATHERFORD
3/12/2015	10,395.00	1.36	202.52	10,359.37	-168.61	-198.56	567.20	0.56	MWD	WEATHERFORD
3/12/2015	10,489.00	1.14	198.76	10,453.35	-170.56	-200.48	566.48	0.25	MWD	WEATHERFORD
3/12/2015	10,584.00	1.12	197.57	10,548.33	-172.36	-202.26	565.89	0.03	MWD	WEATHERFORD
3/12/2015	10,678.00	1.09	204.80	10,642.31	-174.08	-203.95	565.24	0.15	MWD	WEATHERFORD
3/12/2015	10,696.00	1.22	211.09	10,660.31	-174.41	-204.27	565.07	1.01	MWD	WEATHERFORD
3/12/2015	10,711.00	1.16	212.35	10,675.31	-174.68	-204.53	564.91	0.44	MWD	WEATHERFORD
3/12/2015	10,773.00	1.04	175.90	10,737.30	-175.79	-205.82	564.61	1.12	MWD	WEATHERFORD
3/12/2015	10,805.00	2.79	65.08	10,769.28	-175.71	-205.58	565.34	10.33	MWD	WEATHERFORD
3/12/2015	10,837.00	6.50	50.93	10,801.17	-174.13	-204.11	567.45	12.06	MWD	WEATHERFORD
3/12/2015	10,868.00	9.17	42.71	10,831.88	-171.06	-201.19	570.49	9.32	MWD	WEATHERFORD
3/12/2015	10,899.00	12.44	43.89	10,862.33	-166.63	-196.97	574.48	10.57	MWD	WEATHERFORD
3/12/2015	10,931.00	15.92	42.67	10,893.35	-160.65	-191.26	579.85	10.91	MWD	WEATHERFORD
3/12/2015	10,962.00	19.22	40.26	10,922.90	-153.31	-184.23	586.03	10.90	MWD	WEATHERFORD
3/12/2015	10,994.00	22.96	40.72	10,952.75	-144.18	-175.48	593.51	11.70	MWD	WEATHERFORD
3/12/2015	11,025.00	26.53	41.39	10,980.90	-133.97	-165.70	602.03	11.55	MWD	WEATHERFORD
3/12/2015	11,057.00	27.97	42.44	11,009.35	-122.67	-154.80	611.82	4.74	MWD	WEATHERFORD
3/12/2015	11,088.00	29.85	39.64	11,036.51	-110.80	-143.53	621.62	6.95	MWD	WEATHERFORD
3/12/2015	11,120.00	32.77	37.69	11,063.88	-97.32	-130.58	631.97	10.25	MWD	WEATHERFORD
3/12/2015	11,151.00	36.23	36.56	11,089.42	-82.79	-116.58	642.56	11.35	MWD	WEATHERFORD
3/12/2015	11,183.00	40.93	36.66	11,114.43	-68.17	-100.56	654.45	14.89	MWD	WEATHERFORD
3/12/2015	11,214.00	46.29	37.48	11,136.87	-48.47	-83.51	667.34	17.39	MWD	WEATHERFORD
3/12/2015	11,246.00	51.42	38.14	11,157.91	-28.70	-64.49	682.12	16.11	MWD	WEATHERFORD
3/12/2015	11,277.00	56.37	38.10	11,176.16	-8.22	-44.79	697.57	15.97	MWD	WEATHERFORD
3/12/2015	11,309.00	61.80	36.92	11,192.61	14.40	-23.01	714.28	17.26	MWD	WEATHERFORD
3/12/2015	11,340.00	67.16	35.65	11,205.96	37.78	-0.47	730.82	17.68	MWD	WEATHERFORD
3/12/2015	11,372.00	72.43	34.29	11,217.01	63.25	24.14	748.02	16.94	MWD	WEATHERFORD
3/12/2015	11,403.00	76.23	31.49	11,225.38	89.12	49.20	764.22	15.03	MWD	WEATHERFORD
3/12/2015	11,435.00	79.74	28.57	11,232.05	117.00	76.29	779.87	14.14	MWD	WEATHERFORD
3/12/2015	11,466.00	83.34	25.67	11,236.61	144.98	103.57	793.84	14.85	MWD	WEATHERFORD
3/12/2015	11,524.00	89.93	20.41	11,240.01	199.33	158.81	816.47	14.52	MWD	WEATHERFORD
3/12/2015	11,556.00	90.35	20.84	11,239.93	229.82	186.76	827.75	1.88	MWD	WEATHERFORD
3/12/2015	11,650.00	91.26	20.65	11,238.61	319.34	274.66	861.04	0.99	MWD	WEATHERFORD



Directional Survey

Well Name: HOGNOSE VIPER 23 FED 2H

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name JOHNSON RANCH	County DELAWARE	State NM
Surface Legal Location Sec 23 23S 33E	APN 3002541973	Latitude (°) 32° 17' 0.05" N	Longitude (°) 103° 32' 53.803" W	Cing Ris Elevation (ft) 3,707.10
				Ground Elev MSL (ft) 3,682.10
				Ris - 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
3/12/2015	11,745.00	91.54	18.91	11,236.29	410.27	364.02	893.18	1.85	MWD	WEATHERFORD
3/12/2015	11,839.00	90.91	18.23	11,234.28	500.80	453.10	923.11	0.99	MWD	WEATHERFORD
3/12/2015	11,934.00	90.49	16.28	11,233.12	592.86	543.82	951.28	2.10	MWD	WEATHERFORD
3/12/2015	12,028.00	90.35	14.52	11,232.43	684.66	634.44	976.24	1.88	MWD	WEATHERFORD
3/12/2015	12,123.00	90.42	13.71	11,231.79	777.87	726.57	999.41	0.86	MWD	WEATHERFORD
3/12/2015	12,217.00	89.72	12.15	11,231.68	870.46	818.18	1,020.44	1.82	MWD	WEATHERFORD
3/12/2015	12,217.00	89.72	12.15	11,231.68	870.46	818.18	1,020.44	1.82	MWD	WEATHERFORD
3/12/2015	12,312.00	89.16	10.31	11,232.81	964.48	911.35	1,038.94	2.02	MWD	WEATHERFORD
3/12/2015	12,407.00	89.51	8.82	11,233.71	1,058.84	1,005.02	1,054.72	1.61	MWD	WEATHERFORD
3/12/2015	12,501.00	89.72	7.29	11,234.34	1,152.47	1,098.09	1,067.90	1.64	MWD	WEATHERFORD
3/12/2015	12,596.00	90.14	5.14	11,234.46	1,247.32	1,192.52	1,078.18	2.31	MWD	WEATHERFORD
3/12/2015	12,690.00	90.70	4.01	11,233.77	1,341.28	1,286.22	1,085.68	1.34	MWD	WEATHERFORD
3/12/2015	12,785.00	90.77	2.36	11,232.55	1,436.27	1,381.06	1,090.95	1.74	MWD	WEATHERFORD
3/12/2015	12,879.00	91.19	0.23	11,230.94	1,530.21	1,475.02	1,093.08	2.31	MWD	WEATHERFORD
3/12/2015	12,974.00	90.83	359.60	11,229.43	1,625.05	1,570.01	1,092.94	0.89	MWD	WEATHERFORD
3/12/2015	13,068.00	90.63	358.65	11,228.40	1,718.83	1,663.99	1,091.50	1.01	MWD	WEATHERFORD
3/12/2015	13,163.00	89.65	357.54	11,228.17	1,813.48	1,758.93	1,088.34	1.56	MWD	WEATHERFORD
3/12/2015	13,257.00	89.65	357.87	11,228.74	1,907.08	1,852.86	1,084.58	0.35	MWD	WEATHERFORD
3/12/2015	13,352.00	89.79	357.59	11,229.21	2,001.68	1,947.78	1,080.82	0.33	MWD	WEATHERFORD
3/12/2015	13,446.00	89.58	357.28	11,229.72	2,095.23	2,041.68	1,076.61	0.40	MWD	WEATHERFORD
3/12/2015	13,540.00	89.79	357.12	11,230.24	2,188.75	2,135.57	1,072.02	0.28	MWD	WEATHERFORD
3/12/2015	13,635.00	89.79	356.60	11,230.59	2,283.20	2,230.43	1,066.82	0.55	MWD	WEATHERFORD
3/12/2015	13,729.00	89.79	356.56	11,230.93	2,376.61	2,324.26	1,061.21	0.04	MWD	WEATHERFORD
3/12/2015	13,824.00	89.44	355.87	11,231.57	2,470.95	2,419.05	1,054.94	0.81	MWD	WEATHERFORD
3/12/2015	13,919.00	89.65	355.47	11,232.33	2,565.17	2,513.77	1,047.76	0.48	MWD	WEATHERFORD
3/12/2015	14,013.00	89.30	355.92	11,233.19	2,658.40	2,607.51	1,040.71	0.61	MWD	WEATHERFORD
3/12/2015	14,108.00	89.93	355.98	11,233.82	2,752.68	2,702.27	1,034.00	0.67	MWD	WEATHERFORD
3/12/2015	14,202.00	89.65	357.09	11,234.17	2,846.08	2,796.09	1,028.32	1.22	MWD	WEATHERFORD
3/12/2015	14,297.00	90.49	357.22	11,234.05	2,940.58	2,890.97	1,023.60	0.89	MWD	WEATHERFORD
3/12/2015	14,392.00	89.79	358.53	11,233.82	3,035.20	2,985.91	1,020.08	1.56	MWD	WEATHERFORD
3/12/2015	14,486.00	89.51	359.64	11,234.40	3,128.98	3,079.89	1,018.58	1.22	MWD	WEATHERFORD
3/12/2015	14,580.00	89.02	359.78	11,235.60	3,222.81	3,173.88	1,018.10	0.54	MWD	WEATHERFORD
3/12/2015	14,675.00	89.44	359.99	11,236.88	3,317.67	3,268.87	1,017.91	0.49	MWD	WEATHERFORD
3/12/2015	14,770.00	89.51	0.09	11,237.75	3,412.53	3,363.87	1,017.98	0.13	MWD	WEATHERFORD
3/12/2015	14,865.00	89.58	359.82	11,238.50	3,507.40	3,458.86	1,017.90	0.29	MWD	WEATHERFORD
3/12/2015	14,959.00	89.72	0.17	11,239.08	3,601.27	3,552.86	1,017.90	0.40	MWD	WEATHERFORD
3/12/2015	15,053.00	89.51	0.28	11,239.71	3,695.15	3,646.86	1,018.27	0.25	MWD	WEATHERFORD
3/12/2015	15,148.00	89.44	0.07	11,240.58	3,790.03	3,741.85	1,018.56	0.23	MWD	WEATHERFORD
3/12/2015	15,242.00	89.23	359.98	11,241.67	3,883.90	3,835.85	1,018.60	0.24	MWD	WEATHERFORD
3/12/2015	15,337.00	89.02	359.75	11,243.12	3,978.75	3,930.84	1,018.37	0.33	MWD	WEATHERFORD
3/12/2015	15,433.00	90.63	0.02	11,243.41	4,074.60	4,026.83	1,018.18	1.70	MWD	WEATHERFORD
3/12/2015	15,526.00	91.19	0.58	11,241.94	4,167.49	4,119.82	1,018.67	0.85	MWD	WEATHERFORD
3/12/2015	15,620.00	91.26	0.55	11,239.93	4,261.38	4,213.79	1,019.59	0.08	MWD	WEATHERFORD
3/12/2015	15,715.00	91.19	0.41	11,237.90	4,355.27	4,308.77	1,020.39	0.16	MWD	WEATHERFORD
3/12/2015	15,809.00	90.77	0.62	11,236.29	4,450.16	4,402.75	1,021.23	0.50	MWD	WEATHERFORD
3/12/2015	15,904.00	90.35	0.24	11,235.36	4,545.06	4,497.74	1,021.95	0.60	MWD	WEATHERFORD
3/12/2015	15,998.00	90.07	0.04	11,235.02	4,638.95	4,591.74	1,022.18	0.37	MWD	WEATHERFORD
3/12/2015	16,093.00	89.93	359.93	11,235.02	4,733.81	4,686.74	1,022.15	0.19	MWD	WEATHERFORD
3/12/2015	16,183.00	89.93	359.93	11,235.10	4,803.71	4,756.74	1,022.07	0.00	BIT	WEATHERFORD