



SEA SNAKE 35 STATE 1H

DELAWARE BASIN UNRESTRICTED

Directional Survey

Sub-Division DELAWARE BASIN	County LEA	Field Name JOHNSON RANCH	Region DELAWARE BASIN EAST	State/Province NM		
Surface Legal Location Sect. 35 T2S R33E	API/UWI 3002541625	Latitude (°) 32° 15' 15.931" N	Longitude (°) 103° 32' 50.907" W	Ground Elev M. 3,664.80	Orig KB Elev (ft) 3,689.80	Tubing Head Elevation (ft)

Wellbores

Wellbore Name OH	Parent Wellbore OH	SAP Well ID 37174	Vertical Section Direction (°) 358.10
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HOBBS OGD

Kick Offs & Key Depths

Date	Type	Top Depth (ftKB)
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MAR 11 2015

Actual Deviation Survey

Definitive?

Proposed?

Proposed Deviation Survey

RECEIVED

Deviation Survey

Date	Description
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MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EW Tie In (ft)
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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
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Wellbore Name ST01	Parent Wellbore OH	SAP Well ID	Vertical Section Direction (°) 358.10
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Kick Offs & Key Depths

Date 11/5/2014	Type Kick Off	Top Depth (ftKB) 10,764.0
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Actual Deviation Survey

SURVEYS ST01, Proposed? No

Definitive?

Proposed?

Proposed Deviation Survey

Deviation Survey

Date 11/2/2014	Description SURVEYS ST01
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MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EW Tie In (ft)
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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
10/13/2...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD	EXTREME
10/13/2...	122.00	0.31	5.91	122.00	0.33	0.33	0.03	0.25	MWD	EXTREME
10/14/2...	195.00	0.62	19.23	195.00	0.89	0.90	0.18	0.45	MWD	EXTREME
10/14/2...	254.00	0.79	21.34	253.99	1.56	1.58	0.44	0.29	MWD	EXTREME
10/14/2...	375.00	0.88	23.53	374.98	3.17	3.21	1.11	0.08	MWD	EXTREME
10/14/2...	435.00	0.80	22.03	434.97	3.97	4.02	1.45	0.14	MWD	EXTREME
10/14/2...	494.00	0.70	19.53	493.97	4.68	4.74	1.73	0.18	MWD	EXTREME
10/14/2...	553.00	0.80	21.93	552.96	5.39	5.46	2.00	0.18	MWD	EXTREME
10/14/2...	612.00	0.70	25.23	611.96	6.09	6.17	2.31	0.18	MWD	EXTREME
10/14/2...	671.00	0.22	286.03	670.96	6.44	6.53	2.35	1.30	MWD	EXTREME
10/14/2...	764.00	0.70	249.73	763.95	6.32	6.38	1.65	0.58	MWD	EXTREME
10/14/2...	853.00	0.70	249.02	852.95	5.97	6.00	0.63	0.01	MWD	EXTREME
10/14/2...	944.00	0.88	256.23	943.94	5.65	5.63	-0.57	0.23	MWD	EXTREME
10/14/2...	1,033.00	0.79	252.14	1,032.93	5.34	5.28	-1.81	0.12	MWD	EXTREME
10/14/2...	1,127.00	0.50	252.63	1,126.92	5.05	4.96	-2.82	0.31	MWD	EXTREME
10/14/2...	1,222.00	0.31	295.91	1,221.92	5.06	4.95	-3.45	0.37	MWD	EXTREME
10/14/2...	1,316.00	0.31	269.94	1,315.92	5.19	5.06	-3.93	0.15	MWD	EXTREME
10/14/2...	1,343.00	0.31	255.22	1,342.92	5.17	5.04	-4.07	0.29	MWD	EXTREME
10/17/2...	1,444.00	0.31	231.45	1,443.92	4.95	4.80	-4.55	0.13	MWD	EXTREME
10/17/2...	1,538.00	0.48	317.01	1,537.92	5.09	4.93	-5.02	0.59	MWD	EXTREME
10/17/2...	1,632.00	1.41	316.74	1,631.90	6.26	6.06	-6.08	0.99	MWD	EXTREME
10/17/2...	1,727.00	1.32	310.11	1,726.87	7.87	7.61	-7.72	0.19	MWD	EXTREME
10/17/2...	1,820.00	1.19	302.11	1,819.85	9.12	8.82	-9.36	0.23	MWD	EXTREME
10/17/2...	1,915.00	0.79	287.83	1,914.84	9.90	9.54	-10.82	0.49	MWD	EXTREME
10/17/2...	2,008.00	0.79	269.02	2,007.83	10.12	9.73	-12.07	0.28	MWD	EXTREME
10/17/2...	2,103.00	0.88	266.43	2,102.82	10.11	9.67	-13.45	0.10	MWD	EXTREME
10/17/2...	2,196.00	1.10	281.41	2,195.81	10.30	9.80	-15.04	0.36	MWD	EXTREME
10/17/2...	2,291.00	1.10	285.15	2,290.79	10.77	10.22	-16.81	0.08	MWD	EXTREME
10/17/2...	2,385.00	1.00	272.01	2,384.77	11.10	10.49	-18.50	0.28	MWD	EXTREME
10/17/2...	2,479.00	0.88	271.13	2,478.76	11.19	10.53	-20.04	0.13	MWD	EXTREME
10/17/2...	2,573.00	1.01	275.35	2,572.75	11.33	10.62	-21.59	0.16	MWD	EXTREME
10/17/2...	2,669.00	1.10	284.22	2,668.73	11.69	10.93	-23.33	0.19	MWD	EXTREME

MAR 17 2015



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Surface Legal Location Sect. 35 T23S R33E	API/UWI 3002541625	Latitude (°) 32° 15' 15.931" N	Longitude (°) 103° 32' 50.907" W	Ground Elev M... 3,664.80
				Orig KB Elev (ft) 3,689.80
				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
10/18/2...	2,763.00	1.19	290.51	2,762.71	12.32	11.49	-25.11	0.16	MWD	EXTREME
10/18/2...	2,857.00	1.19	301.85	2,856.69	13.23	12.35	-26.86	0.25	MWD	EXTREME
10/18/2...	2,950.00	1.10	300.22	2,949.67	14.24	13.31	-28.45	0.10	MWD	EXTREME
10/18/2...	3,109.00	1.19	315.19	3,108.64	16.26	15.25	-30.93	0.20	MWD	EXTREME
10/18/2...	3,204.00	1.32	328.04	3,203.62	17.93	16.87	-32.21	0.33	MWD	EXTREME
10/18/2...	3,298.00	1.32	336.83	3,297.59	19.88	18.79	-33.21	0.22	MWD	EXTREME
10/18/2...	3,392.00	1.49	338.01	3,391.57	22.04	20.92	-34.09	0.18	MWD	EXTREME
10/18/2...	3,486.00	1.41	339.24	3,485.54	24.28	23.13	-34.96	0.09	MWD	EXTREME
10/19/2...	3,580.00	1.71	336.74	3,579.50	26.68	25.50	-35.92	0.33	MWD	EXTREME
10/19/2...	3,673.00	1.71	353.83	3,672.46	29.35	28.16	-36.62	0.55	MWD	EXTREME
10/19/2...	3,767.00	1.41	352.65	3,766.43	31.90	30.70	-36.92	0.32	MWD	EXTREME
10/19/2...	3,861.00	1.32	0.34	3,860.40	34.14	32.93	-37.06	0.22	MWD	EXTREME
10/19/2...	3,961.00	1.71	12.95	3,960.36	36.73	35.53	-36.72	0.51	MWD	EXTREME
10/19/2...	4,055.00	1.01	44.42	4,054.34	38.66	37.49	-35.82	1.06	MWD	EXTREME
10/19/2...	4,149.00	1.41	43.54	4,148.32	40.04	38.92	-34.45	0.43	MWD	EXTREME
10/19/2...	4,243.00	2.02	37.12	4,242.27	42.14	41.08	-32.65	0.68	MWD	EXTREME
10/19/2...	4,338.00	2.02	34.93	4,337.22	44.78	43.79	-30.68	0.08	MWD	EXTREME
10/19/2...	4,432.00	2.11	15.54	4,431.16	47.76	46.81	-29.27	0.75	MWD	EXTREME
10/19/2...	4,533.00	3.78	96.05	4,532.05	49.07	48.26	-25.46	3.97	MWD	EXTREME
10/19/2...	4,622.00	4.22	99.13	4,620.84	48.04	47.43	-19.31	0.55	MWD	EXTREME
10/19/2...	4,716.00	4.48	96.14	4,714.57	46.87	46.48	-12.24	0.37	MWD	EXTREME
10/19/2...	4,810.00	5.89	104.53	4,808.18	44.99	44.88	-3.92	1.70	MWD	EXTREME
10/19/2...	4,904.00	6.68	106.95	4,901.61	41.86	42.08	5.98	0.89	MWD	EXTREME
10/20/2...	5,001.00	6.28	108.31	4,997.99	38.20	38.77	16.41	0.44	MWD	EXTREME
10/20/2...	5,095.00	4.79	109.15	5,091.55	35.02	35.86	25.00	1.59	MWD	EXTREME
10/20/2...	5,105.00	4.70	107.92	5,101.52	34.73	35.60	25.78	1.36	MWD	EXTREME
10/23/2...	5,261.00	3.16	107.18	5,257.15	31.15	32.36	35.97	0.99	MWD	WEATHERFORD
10/23/2...	5,386.00	2.97	119.05	5,381.97	28.36	29.77	42.09	0.53	MWD	WEATHERFORD
10/23/2...	5,481.00	3.27	131.42	5,476.83	25.24	26.79	46.28	0.77	MWD	WEATHERFORD
10/23/2...	5,575.00	3.38	146.75	5,570.67	21.03	22.70	49.81	0.95	MWD	WEATHERFORD
10/23/2...	5,669.00	3.69	161.60	5,664.50	15.76	17.51	52.28	1.02	MWD	WEATHERFORD
10/23/2...	5,764.00	4.11	172.27	5,759.28	9.45	11.23	53.70	0.88	MWD	WEATHERFORD
10/23/2...	5,858.00	3.95	181.42	5,853.05	2.86	4.66	54.08	0.70	MWD	WEATHERFORD
10/23/2...	5,953.00	3.86	186.60	5,947.83	-3.57	-1.79	53.63	0.38	MWD	WEATHERFORD
10/23/2...	6,047.00	3.46	195.81	6,041.63	-9.40	-7.66	52.49	0.76	MWD	WEATHERFORD
10/23/2...	6,142.00	3.16	209.80	6,136.48	-14.36	-12.69	50.41	0.90	MWD	WEATHERFORD
10/23/2...	6,236.00	2.70	222.49	6,230.36	-18.14	-16.57	47.63	0.84	MWD	WEATHERFORD
10/23/2...	6,330.00	2.57	243.60	6,324.26	-20.60	-19.14	44.24	1.04	MWD	WEATHERFORD
10/23/2...	6,425.00	2.88	262.07	6,419.15	-21.73	-20.42	39.97	0.98	MWD	WEATHERFORD
10/23/2...	6,519.00	3.76	262.37	6,512.99	-22.29	-21.15	34.58	0.94	MWD	WEATHERFORD
10/23/2...	6,613.00	4.89	264.19	6,606.72	-22.87	-21.97	27.54	1.21	MWD	WEATHERFORD
10/23/2...	6,708.00	6.20	264.58	6,701.28	-23.46	-22.86	18.40	1.38	MWD	WEATHERFORD
10/23/2...	6,802.00	6.21	264.09	6,794.73	-24.13	-23.87	8.29	0.06	MWD	WEATHERFORD
10/23/2...	6,896.00	6.00	261.98	6,888.19	-25.01	-25.07	-1.63	0.33	MWD	WEATHERFORD
10/23/2...	6,991.00	5.56	263.00	6,982.71	-25.95	-26.33	-11.11	0.48	MWD	WEATHERFORD
10/23/2...	7,085.00	5.28	261.20	7,076.29	-26.87	-27.55	-19.91	0.35	MWD	WEATHERFORD
10/23/2...	7,180.00	5.95	262.44	7,170.83	-27.88	-28.86	-29.11	0.72	MWD	WEATHERFORD
10/23/2...	7,274.00	6.95	262.04	7,264.24	-28.96	-30.29	-39.57	1.06	MWD	WEATHERFORD
10/23/2...	7,369.00	6.80	262.72	7,358.56	-30.10	-31.80	-50.84	0.18	MWD	WEATHERFORD
10/23/2...	7,463.00	6.70	261.02	7,451.90	-31.29	-33.36	-61.78	0.24	MWD	WEATHERFORD
10/23/2...	7,558.00	6.51	262.33	7,546.27	-32.52	-34.94	-72.59	0.26	MWD	WEATHERFORD
10/23/2...	7,652.00	6.20	261.53	7,639.70	-33.63	-36.40	-82.89	0.34	MWD	WEATHERFORD
10/23/2...	7,747.00	5.84	259.71	7,734.17	-34.93	-38.02	-92.72	0.43	MWD	WEATHERFORD
10/23/2...	7,841.00	6.44	260.49	7,827.63	-36.32	-39.75	-102.63	0.64	MWD	WEATHERFORD
10/23/2...	7,936.00	6.31	258.12	7,922.04	-37.93	-41.70	-112.99	0.31	MWD	WEATHERFORD



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10/23/2...	8,030.00	5.77	257.73	8,015.52	-39.68	-43.77	-122.66	0.58	MWD	WEATHERFORD
10/23/2...	8,125.00	6.47	256.67	8,109.98	-41.60	-46.02	-132.54	0.75	MWD	WEATHERFORD
10/23/2...	8,219.00	5.86	254.80	8,203.44	-43.75	-48.50	-142.32	0.68	MWD	WEATHERFORD
10/23/2...	8,313.00	6.33	255.92	8,296.91	-45.95	-51.02	-151.98	0.52	MWD	WEATHERFORD
10/23/2...	8,408.00	5.99	253.88	8,391.36	-48.27	-53.67	-161.82	0.43	MWD	WEATHERFORD
10/23/2...	8,502.00	6.56	252.61	8,484.79	-50.91	-56.63	-171.66	0.62	MWD	WEATHERFORD
10/23/2...	8,597.00	6.02	250.69	8,579.22	-53.85	-59.90	-181.54	0.61	MWD	WEATHERFORD
10/23/2...	8,691.00	5.83	248.79	8,672.72	-56.90	-63.26	-190.64	0.29	MWD	WEATHERFORD
10/23/2...	8,785.00	5.76	247.92	8,766.24	-60.11	-66.76	-199.46	0.12	MWD	WEATHERFORD
10/23/2...	8,880.00	5.11	244.57	8,860.81	-63.44	-70.37	-207.70	0.76	MWD	WEATHERFORD
10/23/2...	8,975.00	4.42	240.81	8,955.48	-66.81	-73.97	-214.72	0.80	MWD	WEATHERFORD
10/23/2...	9,069.00	3.78	235.14	9,049.24	-70.16	-77.51	-220.42	0.81	MWD	WEATHERFORD
10/23/2...	9,163.00	3.48	234.85	9,143.05	-73.41	-80.92	-225.30	0.32	MWD	WEATHERFORD
10/23/2...	9,258.00	3.21	238.27	9,237.89	-76.31	-83.98	-229.92	0.35	MWD	WEATHERFORD
10/23/2...	9,352.00	2.67	235.07	9,331.77	-78.81	-86.62	-233.95	0.60	MWD	WEATHERFORD
10/23/2...	9,447.00	2.35	232.60	9,426.68	-81.15	-89.07	-237.31	0.36	MWD	WEATHERFORD
10/23/2...	9,541.00	1.82	219.43	9,520.61	-83.39	-91.39	-239.79	0.76	MWD	WEATHERFORD
10/23/2...	9,636.00	1.72	195.25	9,615.57	-85.89	-93.93	-241.12	0.79	MWD	WEATHERFORD
10/23/2...	9,730.00	1.56	171.60	9,709.53	-88.51	-96.56	-241.31	0.73	MWD	WEATHERFORD
10/23/2...	9,824.00	1.50	161.78	9,803.50	-90.96	-98.99	-240.73	0.29	MWD	WEATHERFORD
10/23/2...	9,919.00	2.36	142.63	9,898.45	-93.74	-101.73	-239.16	1.12	MWD	WEATHERFORD
10/23/2...	10,013.00	2.53	141.27	9,992.36	-96.98	-104.89	-236.69	0.19	MWD	WEATHERFORD
10/23/2...	10,108.00	2.09	139.07	10,087.28	-100.01	-107.83	-234.24	0.47	MWD	WEATHERFORD
10/23/2...	10,202.00	1.92	141.93	10,181.22	-102.61	-110.37	-232.15	0.21	MWD	WEATHERFORD
10/23/2...	10,296.00	1.63	142.85	10,275.18	-104.97	-112.67	-230.37	0.31	MWD	WEATHERFORD
10/23/2...	10,391.00	1.97	140.16	10,370.13	-107.36	-115.00	-228.51	0.37	MWD	WEATHERFORD
10/23/2...	10,485.00	2.26	136.86	10,464.07	-110.03	-117.59	-226.20	0.33	MWD	WEATHERFORD
10/23/2...	10,580.00	2.64	135.90	10,558.98	-113.06	-120.53	-223.40	0.40	MWD	WEATHERFORD
10/23/2...	10,674.00	2.89	135.06	10,652.87	-116.40	-123.76	-220.22	0.27	MWD	WEATHERFORD
10/23/2...	10,819.00	6.76	325.63	10,797.62	-111.86	-119.30	-222.46	6.63	MWD	WEATHERFORD
10/23/2...	10,835.00	8.50	324.87	10,813.47	-110.07	-117.55	-223.67	10.89	MWD	WEATHERFORD
10/23/2...	10,867.00	12.36	323.71	10,844.94	-105.27	-112.86	-227.06	12.08	MWD	WEATHERFORD
10/23/2...	10,899.00	15.53	323.00	10,875.99	-98.93	-106.67	-231.67	9.92	MWD	WEATHERFORD
10/23/2...	10,930.00	19.45	321.86	10,905.55	-91.37	-99.30	-237.35	12.69	MWD	WEATHERFORD
10/23/2...	10,961.00	23.20	323.76	10,934.43	-82.16	-90.31	-244.15	12.30	MWD	WEATHERFORD
10/23/2...	10,993.00	26.83	326.94	10,963.42	-70.78	-79.17	-251.82	12.09	MWD	WEATHERFORD
10/23/2...	11,025.00	30.78	329.48	10,991.46	-57.40	-66.06	-259.92	12.92	MWD	WEATHERFORD
10/23/2...	11,056.00	34.89	332.10	11,017.50	-42.46	-51.38	-268.11	14.02	MWD	WEATHERFORD
10/23/2...	11,088.00	38.94	331.88	11,043.08	-25.21	-34.42	-277.13	12.66	MWD	WEATHERFORD
10/23/2...	11,119.00	43.18	330.97	11,066.45	-7.02	-16.54	-286.87	13.81	MWD	WEATHERFORD
10/23/2...	11,151.00	46.03	330.58	11,089.23	12.94	3.06	-297.85	8.95	MWD	WEATHERFORD
10/23/2...	11,182.00	48.63	330.21	11,110.24	33.12	22.88	-309.11	8.43	MWD	WEATHERFORD
10/23/2...	11,214.00	51.31	329.83	11,130.82	54.73	44.10	-321.35	8.42	MWD	WEATHERFORD
10/23/2...	11,245.00	54.89	329.77	11,149.43	76.56	65.52	-333.82	11.55	MWD	WEATHERFORD
10/23/2...	11,277.00	58.74	330.36	11,166.94	100.19	88.73	-347.18	12.13	MWD	WEATHERFORD
10/23/2...	11,308.00	62.13	333.29	11,182.24	124.37	112.50	-359.90	13.68	MWD	WEATHERFORD
10/23/2...	11,340.00	65.39	336.87	11,196.39	150.78	138.52	-371.97	14.30	MWD	WEATHERFORD
10/23/2...	11,371.00	68.16	339.73	11,208.61	177.58	164.99	-382.50	12.32	MWD	WEATHERFORD
10/23/2...	11,403.00	70.39	342.09	11,219.94	206.17	193.27	-392.28	9.80	MWD	WEATHERFORD
10/23/2...	11,434.00	72.31	343.46	11,229.85	234.49	221.32	-400.98	7.48	MWD	WEATHERFORD
10/23/2...	11,466.00	75.00	344.84	11,238.86	264.29	250.86	-409.36	9.37	MWD	WEATHERFORD
10/23/2...	11,497.00	76.65	346.24	11,246.45	293.63	279.96	-416.86	6.89	MWD	WEATHERFORD
10/23/2...	11,529.00	78.31	347.61	11,253.38	324.27	310.39	-423.93	6.66	MWD	WEATHERFORD
10/23/2...	11,561.00	79.88	348.75	11,259.44	355.22	341.14	-430.36	6.03	MWD	WEATHERFORD
10/23/2...	11,619.00	84.47	352.29	11,267.33	412.16	397.79	-439.81	9.96	MWD	WEATHERFORD



SEA SNAKE 35 STATE 1H

DELAWARE BASIN UNRESTRICTED

Directional Survey

Sub-Division DELAWARE BASIN	County LEA	Field Name JOHNSON RANCH	Region DELAWARE BASIN EAST	State/Province NM
Surface Legal Location Sect. 35 T23S R33E	API/UWI 3002541625	Latitude (°) 32° 15' 15.931" N	Longitude (°) 103° 32' 50.907" W	Ground Elev M... 3,664.80
				Orig KB Elev (ft) 3,689.80
				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
10/23/2...	11,651.00	87.20	353.55	11,269.66	443.94	429.46	-443.75	9.39	MWD	WEATHERFORD
10/23/2...	11,682.00	88.95	354.68	11,270.70	474.84	460.28	-446.92	6.72	MWD	WEATHERFORD
10/23/2...	11,745.00	88.67	354.47	11,272.01	537.71	522.98	-452.88	0.56	MWD	WEATHERFORD
10/23/2...	11,840.00	88.32	355.97	11,274.50	632.56	617.62	-460.79	1.62	MWD	WEATHERFORD
10/23/2...	11,934.00	87.69	357.24	11,277.78	726.47	711.39	-466.35	1.51	MWD	WEATHERFORD
10/23/2...	12,028.00	86.92	357.86	11,282.20	820.36	805.20	-470.37	1.05	MWD	WEATHERFORD
10/23/2...	12,123.00	87.69	359.18	11,286.66	915.25	900.06	-472.82	1.61	MWD	WEATHERFORD
10/23/2...	12,217.00	88.74	359.52	11,289.59	1,009.18	994.01	-473.88	1.17	MWD	WEATHERFORD
10/23/2...	12,312.00	90.14	359.54	11,290.52	1,104.14	1,089.00	-474.66	1.47	MWD	WEATHERFORD
10/23/2...	12,406.00	89.65	359.67	11,290.69	1,198.11	1,183.00	-475.31	0.54	MWD	WEATHERFORD
10/23/2...	12,501.00	90.84	359.35	11,290.29	1,293.08	1,277.99	-476.12	1.30	MWD	WEATHERFORD
10/23/2...	12,595.00	90.42	359.69	11,289.25	1,387.04	1,371.98	-476.91	0.57	MWD	WEATHERFORD
10/23/2...	12,690.00	90.00	359.42	11,288.90	1,482.01	1,466.98	-477.65	0.53	MWD	WEATHERFORD
10/23/2...	12,784.00	90.07	359.26	11,288.85	1,575.99	1,560.97	-478.73	0.19	MWD	WEATHERFORD
10/23/2...	12,879.00	90.14	358.67	11,288.67	1,670.98	1,655.96	-480.45	0.63	MWD	WEATHERFORD
10/23/2...	12,973.00	90.35	358.05	11,288.27	1,764.97	1,749.92	-483.14	0.70	MWD	WEATHERFORD
10/23/2...	13,067.00	90.14	357.72	11,287.87	1,858.97	1,843.85	-486.61	0.42	MWD	WEATHERFORD
10/23/2...	13,162.00	90.28	358.29	11,287.52	1,953.97	1,938.79	-489.91	0.62	MWD	WEATHERFORD
10/23/2...	13,258.00	88.39	357.86	11,288.63	2,049.96	2,034.73	-493.14	2.02	MWD	WEATHERFORD
10/23/2...	13,351.00	88.88	357.84	11,290.85	2,142.93	2,127.64	-496.63	0.53	MWD	WEATHERFORD
10/23/2...	13,445.00	89.37	356.58	11,292.28	2,236.91	2,221.51	-501.20	1.44	MWD	WEATHERFORD
10/23/2...	13,539.00	89.16	356.09	11,293.49	2,330.85	2,315.31	-507.21	0.57	MWD	WEATHERFORD
10/23/2...	13,634.00	90.84	356.49	11,293.49	2,425.80	2,410.11	-513.36	1.82	MWD	WEATHERFORD
10/23/2...	13,728.00	90.63	356.75	11,292.28	2,519.76	2,503.94	-518.90	0.36	MWD	WEATHERFORD
10/23/2...	13,823.00	90.28	356.93	11,291.53	2,614.74	2,598.79	-524.13	0.41	MWD	WEATHERFORD
10/23/2...	13,917.00	90.91	358.61	11,290.55	2,708.73	2,692.71	-527.79	1.91	MWD	WEATHERFORD
10/23/2...	14,011.00	91.19	358.38	11,288.83	2,802.71	2,786.66	-530.26	0.39	MWD	WEATHERFORD
10/23/2...	14,106.00	90.84	358.33	11,287.15	2,897.69	2,881.61	-532.99	0.37	MWD	WEATHERFORD
10/23/2...	14,200.00	90.28	358.36	11,286.23	2,991.69	2,975.56	-535.70	0.60	MWD	WEATHERFORD
10/23/2...	14,295.00	90.14	357.91	11,285.88	3,086.69	3,070.51	-538.79	0.50	MWD	WEATHERFORD
10/23/2...	14,389.00	88.60	357.25	11,286.92	3,180.67	3,164.42	-542.76	1.78	MWD	WEATHERFORD
10/23/2...	14,484.00	88.39	357.94	11,289.41	3,275.64	3,259.30	-546.75	0.76	MWD	WEATHERFORD
10/23/2...	14,578.00	87.76	357.50	11,292.57	3,369.58	3,353.17	-550.48	0.82	MWD	WEATHERFORD
10/23/2...	14,673.00	88.60	357.37	11,295.59	3,464.53	3,448.03	-554.73	0.89	MWD	WEATHERFORD
10/23/2...	14,768.00	89.93	357.74	11,296.80	3,559.51	3,542.93	-558.79	1.45	MWD	WEATHERFORD
10/23/2...	14,862.00	89.58	357.82	11,297.21	3,653.51	3,636.86	-562.43	0.38	MWD	WEATHERFORD
10/23/2...	14,957.00	89.37	358.03	11,298.08	3,748.50	3,731.79	-565.87	0.31	MWD	WEATHERFORD
10/23/2...	15,051.00	89.86	357.46	11,298.71	3,842.50	3,825.72	-569.56	0.80	MWD	WEATHERFORD
10/23/2...	15,146.00	90.77	357.86	11,298.19	3,937.49	3,920.64	-573.44	1.05	MWD	WEATHERFORD
10/23/2...	15,240.00	91.19	357.87	11,296.58	4,031.48	4,014.56	-576.95	0.45	MWD	WEATHERFORD
10/23/2...	15,335.00	91.12	357.89	11,294.66	4,126.46	4,109.47	-580.46	0.08	MWD	WEATHERFORD
10/23/2...	15,430.00	91.05	357.39	11,292.86	4,221.44	4,204.38	-584.37	0.53	MWD	WEATHERFORD
10/23/2...	15,525.00	91.05	357.19	11,291.12	4,316.41	4,299.25	-588.86	0.21	MWD	WEATHERFORD
10/23/2...	15,619.00	91.12	357.22	11,289.34	4,410.38	4,393.12	-593.44	0.08	MWD	WEATHERFORD
10/23/2...	15,714.00	89.86	357.45	11,288.53	4,505.37	4,488.02	-597.86	1.35	MWD	WEATHERFORD
10/23/2...	15,808.00	89.65	357.21	11,288.93	4,599.36	4,581.91	-602.24	0.34	MWD	WEATHERFORD
10/23/2...	15,910.00	89.44	357.41	11,289.74	4,701.35	4,683.80	-607.03	0.28	MWD	WEATHERFORD
10/23/2...	15,977.00	89.44	357.41	11,290.40	4,768.34	4,750.73	-610.05	0.00	BIT	WEATHERFORD