



FEB 25 2016

Well Name: EMERALD PWU 20 66H

Sub-Division DELAWARE BASIN WEST		Region SLOPE EAST		Field Name PARKWAY WEST			RECEIVED EDDY		State/Province NM				
Surface Legal Location SEC20 T19S R29E		API/JWI 3001543382		Latitude (") 32° 38' 37.923" N		Longitude (") 104° 6' 17.255" W		Orig KB Elevation (ft) 3,347.00		Ground Elev MSL (ft) 3,322.00		KB - GL (ft) 25.00	
Wellbores													
Wellbore Name OH		Parent Wellbore				SAP Well ID 39038			Vertical Section Direction (") 90.10				
Kick Offs & Key Depths													
Date 10/8/2015				Type CURVE					Top Depth (ftKB) 8,238.0				
Actual Deviation Survey TELEDRIFF, Proposed? No				Definitive? No		Proposed? No		Proposed Deviation Survey					
Deviation Survey													
Date 10/8/2015		Description TELEDRIFF											
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			
10/8/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD	TELEDRIFF			
10/8/2015	61.00	0.70	152.00	61.00	0.18	-0.33	0.17	1.15	MWD	TELEDRIFF			
10/8/2015	92.00	0.80	92.00	92.00	0.48	-0.50	0.48	2.44	MWD	TELEDRIFF			
10/8/2015	160.00	0.70	82.00	159.99	1.37	-0.46	1.37	0.24	MWD	TELEDRIFF			
10/8/2015	290.00	0.70	91.00	289.98	2.95	-0.37	2.95	0.08	MWD	TELEDRIFF			
10/10/2...	379.00	1.10	96.00	378.97	4.34	-0.46	4.34	0.46	MWD	TELEDRIFF			
10/10/2...	471.00	1.20	98.00	470.95	6.17	-0.69	6.17	0.12	MWD	TELEDRIFF			
10/10/2...	561.00	1.10	91.00	560.93	7.97	-0.84	7.97	0.19	MWD	TELEDRIFF			
10/10/2...	652.00	1.60	93.00	651.91	10.11	-0.92	10.11	0.55	MWD	TELEDRIFF			
10/10/2...	743.00	2.00	84.00	742.86	12.96	-0.82	12.96	0.54	MWD	TELEDRIFF			
10/10/2...	833.00	2.30	91.00	832.80	16.33	-0.69	16.33	0.44	MWD	TELEDRIFF			
10/10/2...	925.00	2.90	66.00	924.71	20.30	0.23	20.30	1.38	MWD	TELEDRIFF			
10/10/2...	1,015.00	2.20	84.00	1,014.62	24.09	1.33	24.10	1.17	MWD	TELEDRIFF			
10/10/2...	1,105.00	1.90	79.00	1,104.56	27.28	1.80	27.28	0.39	MWD	TELEDRIFF			
10/10/2...	1,201.00	2.00	68.00	1,200.51	30.39	2.73	30.39	0.40	MWD	TELEDRIFF			
10/10/2...	1,294.00	1.80	56.00	1,293.46	33.10	4.16	33.11	0.48	MWD	TELEDRIFF			
10/10/2...	1,388.00	1.20	47.00	1,387.42	35.04	5.65	35.05	0.68	MWD	TELEDRIFF			
10/10/2...	1,484.00	1.70	35.00	1,483.39	36.59	7.50	36.61	0.61	MWD	TELEDRIFF			
10/10/2...	1,576.00	1.40	29.00	1,575.36	37.92	9.61	37.93	0.37	MWD	TELEDRIFF			
10/10/2...	1,669.00	1.60	31.00	1,668.33	39.13	11.71	39.15	0.22	MWD	TELEDRIFF			
10/11/2...	1,767.00	1.90	47.00	1,766.28	41.02	13.99	41.05	0.58	MWD	TELEDRIFF			
10/11/2...	1,863.00	1.10	54.00	1,862.25	42.93	15.62	42.95	0.85	MWD	TELEDRIFF			
10/11/2...	1,955.00	1.80	44.00	1,954.22	44.64	17.18	44.67	0.81	MWD	TELEDRIFF			
10/11/2...	2,049.00	1.20	60.00	2,048.19	46.52	18.73	46.55	0.77	MWD	TELEDRIFF			
10/11/2...	2,143.00	1.70	47.00	2,142.16	48.39	20.18	48.42	0.63	MWD	TELEDRIFF			
10/11/2...	2,238.00	1.60	59.00	2,237.12	50.55	21.82	50.59	0.38	MWD	TELEDRIFF			
10/11/2...	2,333.00	0.70	27.00	2,332.10	51.95	23.02	51.99	1.13	MWD	TELEDRIFF			
10/11/2...	2,424.00	1.00	71.00	2,423.09	52.95	23.77	52.99	0.76	MWD	TELEDRIFF			
10/11/2...	2,521.00	0.90	77.00	2,520.07	54.49	24.22	54.54	0.15	MWD	TELEDRIFF			
10/12/2...	2,613.00	1.10	65.00	2,612.06	56.00	24.76	56.04	0.31	MWD	TELEDRIFF			
10/12/2...	2,708.00	0.90	19.00	2,707.05	57.07	25.85	57.11	0.85	MWD	TELEDRIFF			
10/12/2...	2,801.00	1.10	31.00	2,800.03	57.76	27.30	57.81	0.31	MWD	TELEDRIFF			
10/13/2...	2,986.00	0.90	43.00	2,985.00	59.66	29.89	59.71	0.16	MWD	TELEDRIFF			
10/13/2...	3,080.00	0.40	39.00	3,079.00	60.37	30.68	60.42	0.53	MWD	TELEDRIFF			
10/13/2...	3,174.00	0.50	2.00	3,173.00	60.59	31.35	60.64	0.32	MWD	TELEDRIFF			
10/13/2...	3,268.00	0.70	359.00	3,266.99	60.59	32.33	60.65	0.22	MWD	TELEDRIFF			
10/13/2...	3,359.00	0.90	21.00	3,357.98	60.84	33.55	60.89	0.40	MWD	TELEDRIFF			
10/15/2...	3,489.00	1.00	9.26	3,487.96	61.38	35.63	61.44	0.17	MWD	WEATHERFORD			
10/15/2...	3,583.00	1.56	327.22	3,581.94	60.82	37.51	60.88	1.12	MWD	WEATHERFORD			
10/15/2...	3,677.00	1.94	318.35	3,675.90	59.06	39.78	59.13	0.50	MWD	WEATHERFORD			
10/16/2...	3,771.00	2.59	309.12	3,769.82	56.35	42.31	56.43	0.79	MWD	WEATHERFORD			
10/16/2...	3,865.00	3.26	296.38	3,863.70	52.31	44.83	52.39	0.99	MWD	WEATHERFORD			
10/16/2...	3,959.00	3.64	290.09	3,957.53	47.11	47.05	47.19	0.57	MWD	WEATHERFORD			
10/16/2...	4,053.00	4.66	284.40	4,051.29	40.60	49.02	40.69	1.17	MWD	WEATHERFORD			
10/16/2...	4,147.00	5.77	282.17	4,144.89	32.28	50.97	32.37	1.20	MWD	WEATHERFORD			
10/16/2...	4,147.00	5.77	282.17	4,144.89	32.28	50.97	32.37	1.20	MWD	WEATHERFORD			
10/16/2...	4,241.00	6.45	277.79	4,238.36	22.43	52.68	22.52	0.88	MWD	WEATHERFORD			
10/16/2...	4,335.00	7.32	274.24	4,331.68	11.22	53.84	11.32	1.03	MWD	WEATHERFORD			
10/16/2...	4,429.00	8.26	273.76	4,424.81	-1.49	54.72	-1.39	1.00	MWD	WEATHERFORD			
10/16/2...	4,524.00	8.73	268.85	4,518.77	-15.51	55.02	-15.41	0.91	MWD	WEATHERFORD			
10/16/2...	4,618.00	8.55	266.97	4,611.71	-29.62	54.51	-29.52	0.36	MWD	WEATHERFORD			
10/16/2...	4,712.00	8.35	268.47	4,704.69	-43.42	53.96	-43.32	0.32	MWD	WEATHERFORD			
10/16/2...	4,806.00	8.00	267.62	4,797.73	-56.77	53.51	-56.68	0.39	MWD	WEATHERFORD			
10/16/2...	4,901.00	7.99	266.88	4,891.81	-69.97	52.87	-69.88	0.11	MWD	WEATHERFORD			
10/16/2...	4,995.00	7.70	266.53	4,984.93	-82.78	52.14	-82.69	0.31	MWD	WEATHERFORD			
10/17/2...	5,089.00	7.59	266.63	5,078.09	-95.26	51.39	-95.17	0.12	MWD	WEATHERFORD			
10/17/2...	5,183.00	7.27	267.98	5,171.30	-107.40	50.82	-107.31	0.39	MWD	WEATHERFORD			
10/17/2...	5,277.00	6.82	268.30	5,264.59	-118.92	50.44	-118.83	0.48	MWD	WEATHERFORD			
10/17/2...	5,371.00	7.44	273.19	5,357.87	-130.58	50.61	-130.49	0.92	MWD	WEATHERFORD			
10/17/2...	5,465.00	8.57	277.87	5,450.95	-143.60	51.91	-143.51	1.39	MWD	WEATHERFORD			
10/17/2...	5,559.00	8.89	272.88	5,543.86	-157.79	53.24	-157.70	0.87	MWD	WEATHERFORD			
10/17/2...	5,653.00	8.66	272.42	5,636.76	-172.12	53.90	-172.02	0.26	MWD	WEATHERFORD			
10/17/2...	5,747.00	7.95	269.46	5,729.78	-185.69	54.14	-185.59	0.88	MWD	WEATHERFORD			

Provide signature page for Survey



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Sub-Division		Region		Field Name				County		State/Province		
DELAWARE BASIN WEST		SLOPE EAST		PARKWAY WEST				EDDY		NM		
Surface Legal Location		API/UWI		Latitude (")		Longitude (")		Orig KB Elevation (ft)		Ground Elev MSL (ft)		KB - GL (ft)
SEC20 T19S R29E		3001543382		32° 38' 37.923" N		104° 6' 17.255" W		3,347.00		3,322.00		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		
10/17/2...	5,841.00	7.58	266.39	5,822.91	-198.37	53.68	-198.28	0.59	MWD	WEATHERFORD		
10/17/2...	5,935.00	7.93	264.79	5,916.05	-211.02	52.71	-210.93	0.44	MWD	WEATHERFORD		
10/17/2...	6,029.00	7.73	272.34	6,009.18	-223.79	52.38	-223.70	1.11	MWD	WEATHERFORD		
10/18/2...	6,123.00	7.18	270.02	6,102.39	-235.98	52.64	-235.89	0.67	MWD	WEATHERFORD		
10/18/2...	6,218.00	7.04	276.21	6,196.66	-247.71	53.27	-247.62	0.82	MWD	WEATHERFORD		
10/18/2...	6,312.00	7.60	275.17	6,289.89	-259.63	54.45	-259.53	0.61	MWD	WEATHERFORD		
10/18/2...	6,371.00	7.94	271.98	6,348.35	-267.59	54.94	-267.49	0.93	MWD	WEATHERFORD		
10/18/2...	6,465.00	8.34	268.79	6,441.40	-280.89	55.02	-280.80	0.64	MWD	WEATHERFORD		
10/18/2...	6,560.00	7.31	262.68	6,535.52	-293.77	54.11	-293.68	1.39	MWD	WEATHERFORD		
10/19/2...	6,654.00	6.87	266.07	6,628.80	-305.31	52.96	-305.22	0.65	MWD	WEATHERFORD		
10/19/2...	6,749.00	7.84	268.05	6,723.02	-317.45	52.35	-317.36	1.06	MWD	WEATHERFORD		
10/19/2...	6,843.00	9.62	266.51	6,815.92	-331.70	51.65	-331.61	1.91	MWD	WEATHERFORD		
10/19/2...	6,937.00	9.05	260.53	6,908.68	-346.83	49.96	-346.74	1.20	MWD	WEATHERFORD		
10/19/2...	7,032.00	8.44	261.95	7,002.58	-361.10	47.75	-361.02	0.68	MWD	WEATHERFORD		
10/19/2...	7,126.00	7.66	270.68	7,095.65	-374.19	46.86	-374.11	1.54	MWD	WEATHERFORD		
10/19/2...	7,220.00	6.21	270.21	7,188.96	-385.54	46.96	-385.46	1.54	MWD	WEATHERFORD		
10/19/2...	7,315.00	7.23	265.59	7,283.31	-396.64	46.51	-396.56	1.21	MWD	WEATHERFORD		
10/19/2...	7,409.00	8.29	265.08	7,376.45	-409.29	45.48	-409.21	1.13	MWD	WEATHERFORD		
10/19/2...	7,503.00	8.23	265.25	7,469.47	-422.74	44.34	-422.67	0.07	MWD	WEATHERFORD		
10/19/2...	7,597.00	7.98	263.89	7,562.53	-435.93	43.09	-435.86	0.34	MWD	WEATHERFORD		
10/19/2...	7,691.00	7.44	264.76	7,655.68	-448.48	41.84	-448.41	0.59	MWD	WEATHERFORD		
10/19/2...	7,785.00	6.71	257.78	7,748.97	-459.91	40.12	-459.84	1.20	MWD	WEATHERFORD		
10/19/2...	7,880.00	4.89	256.47	7,843.48	-469.26	38.00	-469.20	1.92	MWD	WEATHERFORD		
10/20/2...	7,974.00	2.48	262.75	7,937.28	-475.18	36.80	-475.11	2.60	MWD	WEATHERFORD		
10/20/2...	8,068.00	1.05	121.17	8,031.25	-476.45	36.10	-476.39	3.58	MWD	WEATHERFORD		
10/20/2...	8,162.00	1.68	120.37	8,125.22	-474.53	34.96	-474.47	0.67	MWD	WEATHERFORD		
10/20/2...	8,194.00	1.50	136.88	8,157.21	-473.83	34.42	-473.78	1.53	MWD	WEATHERFORD		
10/20/2...	8,225.00	1.71	123.90	8,188.20	-473.17	33.86	-473.11	1.35	MWD	WEATHERFORD		
10/20/2...	8,256.00	3.20	106.18	8,219.17	-471.96	33.36	-471.90	5.34	MWD	WEATHERFORD		
10/20/2...	8,288.00	5.69	97.60	8,251.07	-469.53	32.90	-469.47	8.03	MWD	WEATHERFORD		
10/20/2...	8,319.00	7.78	93.50	8,281.86	-465.91	32.57	-465.85	6.91	MWD	WEATHERFORD		
10/20/2...	8,351.00	9.85	93.04	8,313.48	-461.01	32.29	-460.96	6.47	MWD	WEATHERFORD		
10/20/2...	8,382.00	11.79	98.18	8,343.93	-455.23	31.70	-455.17	6.98	MWD	WEATHERFORD		
10/20/2...	8,413.00	13.22	100.18	8,374.19	-448.60	30.63	-448.55	4.82	MWD	WEATHERFORD		
10/20/2...	8,436.00	14.63	102.38	8,396.51	-443.17	29.54	-443.12	6.55	MWD	WEATHERFORD		
10/20/2...	8,468.00	16.61	104.89	8,427.33	-434.80	27.50	-434.75	6.54	MWD	WEATHERFORD		
10/20/2...	8,499.00	19.59	105.11	8,456.79	-425.50	25.00	-425.45	9.62	MWD	WEATHERFORD		
10/20/2...	8,530.00	23.00	103.49	8,485.67	-414.58	22.23	-414.54	11.16	MWD	WEATHERFORD		
10/20/2...	8,562.00	25.95	102.44	8,514.79	-401.66	19.27	-401.62	9.32	MWD	WEATHERFORD		
10/20/2...	8,593.00	29.52	99.58	8,542.23	-387.49	16.53	-387.46	12.29	MWD	WEATHERFORD		
10/20/2...	8,625.00	32.93	97.92	8,569.59	-371.09	14.02	-371.07	10.99	MWD	WEATHERFORD		
10/20/2...	8,656.00	36.23	96.55	8,595.11	-353.64	11.82	-353.62	10.94	MWD	WEATHERFORD		
10/20/2...	8,687.00	39.95	95.33	8,619.51	-334.62	9.85	-334.60	12.24	MWD	WEATHERFORD		
10/20/2...	8,719.00	42.95	94.74	8,643.49	-313.51	7.99	-313.50	9.45	MWD	WEATHERFORD		
10/20/2...	8,750.00	45.53	93.40	8,665.70	-291.94	6.46	-291.93	8.85	MWD	WEATHERFORD		
10/20/2...	8,781.00	48.34	91.30	8,686.86	-269.32	5.54	-269.31	10.33	MWD	WEATHERFORD		
10/20/2...	8,813.00	51.50	89.74	8,707.46	-244.84	5.33	-244.83	10.56	MWD	WEATHERFORD		
10/20/2...	8,844.00	55.32	89.27	8,725.94	-219.95	5.55	-219.94	12.38	MWD	WEATHERFORD		
10/20/2...	8,875.00	58.26	89.47	8,742.92	-194.02	5.83	-194.01	9.50	MWD	WEATHERFORD		
10/20/2...	8,907.00	60.84	89.96	8,759.13	-166.44	5.97	-166.43	8.17	MWD	WEATHERFORD		
10/20/2...	8,938.00	63.80	89.95	8,773.53	-138.99	5.99	-138.98	9.55	MWD	WEATHERFORD		
10/20/2...	8,970.00	66.33	89.20	8,787.02	-109.97	6.20	-109.96	8.19	MWD	WEATHERFORD		
10/20/2...	9,001.00	68.37	87.66	8,798.96	-81.38	6.99	-81.37	8.02	MWD	WEATHERFORD		
10/20/2...	9,033.00	70.32	86.54	8,810.25	-51.48	8.51	-51.47	6.92	MWD	WEATHERFORD		
10/20/2...	9,064.00	73.71	85.19	8,819.82	-22.08	10.64	-22.06	11.69	MWD	WEATHERFORD		
10/20/2...	9,096.00	77.03	85.15	8,827.90	8.76	13.24	8.79	10.38	MWD	WEATHERFORD		
10/20/2...	9,127.00	78.88	85.76	8,834.37	38.98	15.64	39.01	6.27	MWD	WEATHERFORD		
10/20/2...	9,159.00	80.59	85.86	8,840.07	70.38	17.95	70.41	5.35	MWD	WEATHERFORD		
10/20/2...	9,190.00	83.21	86.18	8,844.44	100.99	20.08	101.02	8.51	MWD	WEATHERFORD		
10/20/2...	9,222.00	85.52	86.72	8,847.58	132.77	22.05	132.81	7.41	MWD	WEATHERFORD		
10/23/2...	9,263.00	87.76	87.86	8,849.98	173.64	23.98	173.69	6.13	MWD	WEATHERFORD		
10/23/2...	9,312.00	88.67	87.85	8,851.51	222.58	25.81	222.63	1.86	MWD	WEATHERFORD		
10/23/2...	9,406.00	88.95	87.55	8,853.46	316.48	29.59	316.53	0.44	MWD	WEATHERFORD		
10/23/2...	9,500.00	87.48	86.65	8,856.39	410.30	34.34	410.36	1.83	MWD	WEATHERFORD		
10/23/2...	9,594.00	87.55	86.53	8,860.46	504.04	39.92	504.11	0.15	MWD	WEATHERFORD		
10/23/2...	9,688.00	87.97	87.08	8,864.14	597.81	45.16	597.89	0.74	MWD	WEATHERFORD		
10/23/2...	9,782.00	87.48	88.35	8,867.87	691.65	48.90	691.74	1.45	MWD	WEATHERFORD		
10/23/2...	9,876.00	87.76	88.65	8,871.77	785.53	51.36	785.62	0.44	MWD	WEATHERFORD		
10/23/2...	9,970.00	88.53	89.46	8,874.82	879.47	52.91	879.56	1.19	MWD	WEATHERFORD		
10/23/2...	10,065.00	88.53	90.13	8,877.25	974.43	53.25	974.53	0.71	MWD	WEATHERFORD		
10/23/2...	10,159.00	89.51	91.31	8,878.86	1,068.41	52.07	1,068.50	1.63	MWD	WEATHERFORD		
10/23/2...	10,253.00	91.19	91.36	8,878.29	1,162.38	49.88	1,162.47	1.79	MWD	WEATHERFORD		
10/23/2...	10,348.00	92.10	89.85	8,875.56	1,257.34	48.88	1,257.43	1.86	MWD	WEATHERFORD		

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Well Name: EMERALD PWU 20 66H

Sub-Division DELAWARE BASIN WEST		Region SLOPE EAST		Field Name PARKWAY WEST		County EDDY		State/Province NM	
Surface Legal Location SEC20 T19S R29E		API/UWI 3001543382	Latitude (") 32° 38' 37.923" N	Longitude (") 104° 6' 17.255" W	Orig KB Elevation (ft) 3,347.00		Ground Elev MSL (ft) 3,322.00		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
10/23/2...	10,442.00	90.91	88.58	8,873.09	1,351.29	50.17	1,351.38	1.85	MWD	WEATHERFORD
10/23/2...	10,536.00	90.28	86.46	8,872.11	1,445.18	54.23	1,445.28	2.35	MWD	WEATHERFORD
10/23/2...	10,631.00	91.19	88.78	8,870.90	1,540.08	58.18	1,540.18	2.62	MWD	WEATHERFORD
10/23/2...	10,725.00	90.35	90.48	8,869.63	1,634.06	58.78	1,634.17	2.02	MWD	WEATHERFORD
10/24/2...	10,820.00	90.56	90.64	8,868.88	1,729.06	57.86	1,729.16	0.28	MWD	WEATHERFORD
10/24/2...	10,914.00	90.07	90.65	8,868.36	1,823.05	56.80	1,823.15	0.52	MWD	WEATHERFORD
10/24/2...	11,008.00	90.84	90.75	8,867.61	1,917.04	55.65	1,917.14	0.83	MWD	WEATHERFORD
10/24/2...	11,102.00	89.72	90.58	8,867.16	2,011.04	54.56	2,011.13	1.21	MWD	WEATHERFORD
10/24/2...	11,196.00	89.58	90.13	8,867.73	2,105.03	53.98	2,105.13	0.50	MWD	WEATHERFORD
10/24/2...	11,290.00	89.86	90.33	8,868.19	2,199.03	53.60	2,199.13	0.37	MWD	WEATHERFORD
10/24/2...	11,384.00	90.00	89.74	8,868.30	2,293.03	53.54	2,293.13	0.65	MWD	WEATHERFORD
10/24/2...	11,478.00	90.35	89.32	8,868.02	2,387.03	54.31	2,387.12	0.58	MWD	WEATHERFORD
10/24/2...	11,573.00	88.46	89.13	8,869.00	2,482.01	55.60	2,482.11	2.00	MWD	WEATHERFORD
10/24/2...	11,667.00	89.02	89.13	8,871.07	2,575.97	57.02	2,576.07	0.60	MWD	WEATHERFORD
10/24/2...	11,761.00	89.44	89.18	8,872.33	2,669.95	58.41	2,670.05	0.45	MWD	WEATHERFORD
10/24/2...	11,855.00	89.02	89.61	8,873.60	2,763.93	59.40	2,764.04	0.64	MWD	WEATHERFORD
10/24/2...	11,950.00	89.02	89.09	8,875.22	2,858.91	60.48	2,859.02	0.55	MWD	WEATHERFORD
10/24/2...	12,044.00	88.39	89.03	8,877.35	2,952.87	62.02	2,952.98	0.67	MWD	WEATHERFORD
10/24/2...	12,138.00	89.65	89.15	8,878.95	3,046.84	63.51	3,046.95	1.35	MWD	WEATHERFORD
10/24/2...	12,232.00	89.86	89.46	8,879.36	3,140.83	64.65	3,140.95	0.40	MWD	WEATHERFORD
10/24/2...	12,326.00	90.91	90.31	8,878.72	3,234.82	64.84	3,234.94	1.44	MWD	WEATHERFORD
10/24/2...	12,420.00	91.54	90.57	8,876.71	3,328.80	64.12	3,328.92	0.73	MWD	WEATHERFORD
10/24/2...	12,515.00	91.82	90.38	8,873.93	3,423.76	63.33	3,423.87	0.36	MWD	WEATHERFORD
10/24/2...	12,609.00	90.70	90.16	8,871.86	3,517.73	62.89	3,517.85	1.21	MWD	WEATHERFORD
10/24/2...	12,703.00	90.56	90.24	8,870.83	3,611.73	62.56	3,611.84	0.17	MWD	WEATHERFORD
10/25/2...	12,798.00	90.70	90.18	8,869.78	3,706.72	62.22	3,706.83	0.16	MWD	WEATHERFORD
10/25/2...	12,892.00	90.70	90.00	8,868.64	3,800.71	62.07	3,800.83	0.19	MWD	WEATHERFORD
10/25/2...	12,987.00	90.98	89.99	8,867.24	3,895.70	62.08	3,895.82	0.29	MWD	WEATHERFORD
10/25/2...	13,081.00	91.12	90.93	8,865.52	3,989.68	61.32	3,989.80	1.01	MWD	WEATHERFORD
10/25/2...	13,175.00	90.35	92.31	8,864.31	4,083.64	58.66	4,083.75	1.68	MWD	WEATHERFORD
10/25/2...	13,269.00	90.21	92.57	8,863.85	4,177.56	54.66	4,177.66	0.31	MWD	WEATHERFORD
10/25/2...	13,364.00	90.49	92.74	8,863.27	4,272.46	50.26	4,272.56	0.34	MWD	WEATHERFORD
10/25/2...	13,458.00	90.42	92.53	8,862.53	4,366.37	45.94	4,366.46	0.24	MWD	WEATHERFORD
10/25/2...	13,552.00	89.79	91.45	8,862.36	4,460.32	42.68	4,460.40	1.33	MWD	WEATHERFORD
10/25/2...	13,647.00	90.56	91.93	8,862.07	4,555.28	39.87	4,555.35	0.96	MWD	WEATHERFORD
10/25/2...	13,742.00	90.77	92.28	8,860.96	4,650.21	36.39	4,650.28	0.43	MWD	WEATHERFORD
10/25/2...	13,815.00	91.05	93.11	8,859.80	4,723.13	32.95	4,723.19	1.20	MWD	WEATHERFORD
10/25/2...	13,900.00	91.05	93.11	8,858.25	4,808.00	28.34	4,808.05	0.00	BIT	WEATHERFORD