



HOBBS OCD
JAN 21 2023
RECEIVED

Directional Survey

DELAWARE BASIN UNRESTRICTED

Well Name: FLAGLER 8 FED COM 14H

Sub-Division DELAWARE BASIN		Region EDDY COUNTY CORE		Field Name COTTON DRAW SOUTH - CD		County LEA		State/Province NM					
Surface Legal Location 8-25S-33E		API/UWI 3002544990		Latitude (°) 32° 8' 20.045" N		Longitude (°) 103° 36' 3.705" W		Ong KB Elevation (ft) 3,496.80		Ground Elev MSL (ft) 3,466.80		KB - GL (ft) 30.00	
Wellbores													
Wellbore Name OH				Parent Wellbore				SAP Well ID				Vertical Section Direction (°) 359.62	
Kick Offs & Key Depths													
Date 8/12/2019				Type CURVE				Top Depth (ftKB) 10,546.0					
Date 8/17/2019				Type CURVE				Top Depth (ftKB) 2,057.0					
Actual Deviation Survey COMPOSITE OH, Proposed? No				Definitive? No		Proposed? No		Proposed Deviation Survey COMPOSITE WELL PLAN - OH, Proposed? Yes					
Deviation Survey													
Date 8/13/2019				Description COMPOSITE OH									
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)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company			
8/15/2019	162.00	1.05	343.40	161.99	1.43	1.42	-0.42	0.65	MWD	WELLBENDERS DIRECTIO...			
8/15/2019	262.00	1.32	349.12	261.97	3.44	3.43	-0.90	0.29	MWD	WELLBENDERS DIRECTIO...			
8/15/2019	355.00	1.19	350.61	354.95	5.44	5.44	-1.26	0.14	MWD	WELLBENDERS DIRECTIO...			
8/15/2019	448.00	1.10	344.63	447.93	7.26	7.25	-1.66	0.16	MWD	WELLBENDERS DIRECTIO...			
8/15/2019	542.00	0.75	351.93	541.92	8.74	8.73	-1.98	0.39	MWD	WELLBENDERS DIRECTIO...			
8/15/2019	635.00	0.75	348.68	634.91	9.94	9.93	-2.19	0.05	MWD	WELLBENDERS DIRECTIO...			
8/15/2019	723.00	0.57	358.96	722.90	10.95	10.93	-2.31	0.24	MWD	WELLBENDERS DIRECTIO...			
8/15/2019	815.00	0.35	329.96	814.90	11.65	11.63	-2.46	0.34	MWD	WELLBENDERS DIRECTIO...			
8/15/2019	907.00	0.40	331.63	906.90	12.18	12.16	-2.75	0.06	MWD	WELLBENDERS DIRECTIO...			
8/15/2019	1,001.00	0.35	329.34	1,000.90	12.71	12.69	-3.05	0.06	MWD	WELLBENDERS DIRECTIO...			
8/15/2019	1,059.00	0.18	344.11	1,058.89	12.95	12.93	-3.17	0.31	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	1,245.00	0.26	275.64	1,244.89	13.28	13.26	-3.67	0.14	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	1,338.00	0.09	0.89	1,337.89	13.37	13.35	-3.88	0.29	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	1,430.00	0.18	349.29	1,429.89	13.59	13.56	-3.90	0.10	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	1,522.00	0.09	354.74	1,521.89	13.80	13.78	-3.94	0.10	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	1,614.00	0.35	290.93	1,613.89	13.98	13.95	-4.21	0.35	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	1,709.00	0.44	329.96	1,708.89	14.40	14.37	-4.66	0.29	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	1,803.00	0.57	287.94	1,802.89	14.86	14.83	-5.28	0.41	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	1,898.00	0.48	288.38	1,897.88	15.14	15.10	-6.11	0.09	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	1,992.00	0.40	324.77	1,991.88	15.53	15.49	-6.67	0.30	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	2,181.00	2.95	229.15	2,180.80	12.92	12.85	-10.74	1.60	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	2,371.00	4.40	239.96	2,370.40	6.14	6.00	-20.74	0.84	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	2,465.00	4.00	244.35	2,464.15	2.95	2.78	-26.82	0.55	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	2,560.00	3.52	238.81	2,558.95	0.04	-0.17	-32.30	0.63	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	2,654.00	3.47	237.85	2,652.77	-2.93	-3.18	-37.18	0.08	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	2,749.00	4.53	232.75	2,747.54	-6.70	-6.98	-42.60	1.18	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	2,844.00	4.92	232.66	2,842.22	-11.40	-11.72	-48.82	0.41	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	2,939.00	4.62	233.80	2,936.89	-16.08	-16.45	-55.15	0.33	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	3,034.00	4.48	235.47	3,031.59	-20.41	-20.81	-61.30	0.20	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	3,129.00	3.74	233.89	3,126.34	-24.30	-24.74	-66.86	0.79	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	3,224.00	3.34	237.93	3,221.16	-27.56	-28.04	-71.70	0.50	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	3,319.00	4.35	233.36	3,315.95	-31.15	-31.66	-76.94	1.11	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	3,413.00	5.89	228.79	3,409.57	-36.41	-36.96	-83.43	1.69	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	3,508.00	5.14	230.29	3,504.13	-42.29	-42.89	-90.37	0.80	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	3,602.00	5.10	230.11	3,597.75	-47.62	-48.26	-96.81	0.05	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	3,697.00	5.01	231.08	3,692.38	-52.89	-53.58	-103.28	0.13	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	3,791.00	4.31	232.57	3,786.07	-57.58	-58.30	-109.28	0.76	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	3,886.00	3.34	231.34	3,880.86	-61.44	-62.20	-114.28	1.02	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	3,980.00	3.08	233.54	3,974.71	-64.63	-65.41	-118.45	0.31	MWD	WELLBENDERS DIRECTIO...			
8/17/2019	4,074.00	4.22	228.09	4,068.52	-68.41	-69.22	-123.05	1.27	MWD	WELLBENDERS DIRECTIO...			
8/18/2019	4,169.00	4.62	229.23	4,163.24	-73.20	-74.06	-128.55	0.43	MWD	WELLBENDERS DIRECTIO...			
8/18/2019	4,264.00	3.87	228.35	4,257.98	-77.80	-78.69	-133.84	0.79	MWD	WELLBENDERS DIRECTIO...			
8/18/2019	4,358.00	3.34	217.63	4,351.79	-82.05	-82.96	-137.88	0.91	MWD	WELLBENDERS DIRECTIO...			
8/18/2019	4,453.00	2.95	213.24	4,446.65	-86.26	-87.20	-140.91	0.48	MWD	WELLBENDERS DIRECTIO...			
8/18/2019	4,547.00	2.68	211.13	4,540.53	-90.15	-91.10	-143.38	0.31	MWD	WELLBENDERS DIRECTIO...			
8/18/2019	4,642.00	3.30	208.14	4,635.40	-94.45	-95.42	-145.81	0.67	MWD	WELLBENDERS DIRECTIO...			
8/18/2019	4,736.00	3.25	201.37	4,729.25	-99.30	-100.28	-148.06	0.41	MWD	WELLBENDERS DIRECTIO...			
8/18/2019	4,831.00	2.24	213.50	4,824.14	-103.34	-104.34	-150.07	1.22	MWD	WELLBENDERS DIRECTIO...			
8/18/2019	4,925.00	1.89	219.83	4,918.08	-106.05	-107.06	-152.07	0.44	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	5,110.00	2.29	219.13	5,102.96	-111.23	-112.27	-156.36	0.22	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	5,205.00	2.15	216.93	5,197.89	-114.11	-115.17	-158.63	0.17	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	5,300.00	2.15	217.10	5,292.82	-116.94	-118.01	-160.77	0.01	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	5,394.00	1.23	219.74	5,386.78	-119.12	-120.20	-162.48	0.98	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	5,489.00	0.75	262.46	5,481.76	-119.97	-121.06	-163.75	0.89	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	5,583.00	0.84	259.56	5,575.75	-120.17	-121.27	-165.04	0.10	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	5,678.00	0.92	261.31	5,670.74	-120.40	-121.51	-166.48	0.09	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	5,772.00	0.92	269.58	5,764.73	-120.51	-121.63	-167.98	0.14	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	5,867.00	0.92	272.21	5,859.72	-120.48	-121.60	-169.50	0.04	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	5,961.00	0.88	268.78	5,953.71	-120.45	-121.59	-170.98	0.07	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	6,056.00	1.01	268.78	6,048.69	-120.48	-121.62	-172.55	0.14	MWD	WELLBENDERS DIRECTIO...			
8/19/2019	6,151.00	0.88	8.36	6,143.69	-119.77	-120.92	-173.28	1.52	MWD	WELLBENDERS DIRECTIO...			



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		Ground Elev MSL (ft) 3,466.80	KB - GL (ft) 30.00	

Survey Data										
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8/19/2019	6,246.00	1.27	17.77	6,238.67	-118.05	-119.20	-172.85	0.45	MWD	WELLBENDERS DIRECTIO...
8/19/2019	6,340.00	1.36	13.90	6,332.65	-115.98	-117.12	-172.26	0.13	MWD	WELLBENDERS DIRECTIO...
8/19/2019	6,435.00	1.45	11.97	6,427.62	-113.71	-114.85	-171.74	0.11	MWD	WELLBENDERS DIRECTIO...
8/19/2019	6,530.00	1.45	12.93	6,522.59	-111.36	-112.50	-171.22	0.03	MWD	WELLBENDERS DIRECTIO...
8/19/2019	6,625.00	1.49	15.75	6,617.56	-109.01	-110.14	-170.62	0.09	MWD	WELLBENDERS DIRECTIO...
8/19/2019	6,720.00	1.41	11.18	6,712.52	-106.68	-107.81	-170.06	0.15	MWD	WELLBENDERS DIRECTIO...
8/19/2019	6,814.00	1.36	12.58	6,806.50	-104.46	-105.58	-169.59	0.06	MWD	WELLBENDERS DIRECTIO...
8/19/2019	6,909.00	1.23	12.93	6,901.47	-102.37	-103.49	-169.12	0.14	MWD	WELLBENDERS DIRECTIO...
8/19/2019	7,003.00	1.19	9.51	6,995.45	-100.42	-101.54	-168.73	0.09	MWD	WELLBENDERS DIRECTIO...
8/19/2019	7,098.00	1.05	11.00	7,090.43	-98.60	-99.72	-168.40	0.15	MWD	WELLBENDERS DIRECTIO...
8/20/2019	7,193.00	1.05	9.33	7,185.42	-96.89	-98.00	-168.09	0.03	MWD	WELLBENDERS DIRECTIO...
8/20/2019	7,287.00	1.14	5.99	7,279.40	-95.11	-96.22	-167.86	0.12	MWD	WELLBENDERS DIRECTIO...
8/20/2019	7,382.00	1.05	6.17	7,374.38	-93.30	-94.42	-167.66	0.09	MWD	WELLBENDERS DIRECTIO...
8/20/2019	7,476.00	1.05	4.06	7,468.37	-91.59	-92.70	-167.51	0.04	MWD	WELLBENDERS DIRECTIO...
8/20/2019	7,571.00	1.19	1.33	7,563.35	-89.74	-90.85	-167.43	0.16	MWD	WELLBENDERS DIRECTIO...
8/20/2019	7,666.00	1.27	61.01	7,658.33	-88.25	-89.35	-166.48	1.29	MWD	WELLBENDERS DIRECTIO...
8/20/2019	7,761.00	1.49	71.43	7,753.30	-87.36	-88.45	-164.39	0.35	MWD	WELLBENDERS DIRECTIO...
8/20/2019	7,855.00	1.19	74.63	7,847.28	-86.72	-87.80	-162.29	0.33	MWD	WELLBENDERS DIRECTIO...
8/20/2019	7,950.00	0.92	88.43	7,942.26	-86.45	-87.52	-160.58	0.39	MWD	WELLBENDERS DIRECTIO...
8/20/2019	8,045.00	0.75	95.46	8,037.25	-86.50	-87.56	-159.20	0.21	MWD	WELLBENDERS DIRECTIO...
8/20/2019	8,139.00	0.62	103.46	8,131.25	-86.68	-87.73	-158.09	0.17	MWD	WELLBENDERS DIRECTIO...
8/20/2019	8,234.00	0.57	107.07	8,226.24	-86.95	-87.99	-157.14	0.07	MWD	WELLBENDERS DIRECTIO...
8/20/2019	8,329.00	0.53	119.63	8,321.24	-87.31	-88.35	-156.30	0.13	MWD	WELLBENDERS DIRECTIO...
8/20/2019	8,423.00	0.48	130.88	8,415.23	-87.79	-88.82	-155.63	0.12	MWD	WELLBENDERS DIRECTIO...
8/20/2019	8,518.00	0.62	134.05	8,510.23	-88.41	-89.44	-154.96	0.15	MWD	WELLBENDERS DIRECTIO...
8/20/2019	8,613.00	0.79	136.16	8,605.22	-89.24	-90.27	-154.14	0.18	MWD	WELLBENDERS DIRECTIO...
8/20/2019	8,708.00	0.92	139.59	8,700.21	-90.30	-91.32	-153.19	0.15	MWD	WELLBENDERS DIRECTIO...
8/20/2019	8,802.00	1.01	145.39	8,794.20	-91.57	-92.58	-152.23	0.14	MWD	WELLBENDERS DIRECTIO...
8/20/2019	8,896.00	1.05	151.27	8,888.18	-93.01	-94.01	-151.34	0.12	MWD	WELLBENDERS DIRECTIO...
8/20/2019	8,991.00	1.01	158.31	8,983.17	-94.55	-95.56	-150.62	0.14	MWD	WELLBENDERS DIRECTIO...
8/20/2019	9,086.00	1.05	165.95	9,078.15	-96.18	-97.18	-150.09	0.15	MWD	WELLBENDERS DIRECTIO...
8/20/2019	9,180.00	1.01	168.59	9,172.14	-97.83	-98.83	-149.72	0.07	MWD	WELLBENDERS DIRECTIO...
8/20/2019	9,275.00	0.79	170.79	9,267.12	-99.30	-100.29	-149.45	0.23	MWD	WELLBENDERS DIRECTIO...
8/21/2019	9,370.00	0.48	174.92	9,362.12	-100.34	-101.34	-149.31	0.33	MWD	WELLBENDERS DIRECTIO...
8/21/2019	9,464.00	0.48	226.42	9,456.11	-101.00	-102.00	-149.56	0.44	MWD	WELLBENDERS DIRECTIO...
8/21/2019	9,559.00	0.92	239.34	9,551.11	-101.66	-102.66	-150.51	0.49	MWD	WELLBENDERS DIRECTIO...
8/21/2019	9,654.00	1.45	251.65	9,646.09	-102.42	-103.43	-152.30	0.62	MWD	WELLBENDERS DIRECTIO...
8/21/2019	9,748.00	2.07	245.23	9,740.04	-103.49	-104.52	-154.97	0.69	MWD	WELLBENDERS DIRECTIO...
8/21/2019	9,843.00	1.98	235.74	9,834.98	-105.11	-106.16	-157.89	0.37	MWD	WELLBENDERS DIRECTIO...
8/21/2019	9,938.00	2.24	232.57	9,929.92	-107.14	-108.21	-160.72	0.30	MWD	WELLBENDERS DIRECTIO...
8/21/2019	10,032.00	2.24	233.01	10,023.85	-109.34	-110.43	-163.64	0.02	MWD	WELLBENDERS DIRECTIO...
8/21/2019	10,127.00	2.46	234.42	10,118.77	-111.63	-112.74	-166.79	0.24	MWD	WELLBENDERS DIRECTIO...
8/21/2019	10,222.00	2.42	238.29	10,213.68	-113.84	-114.98	-170.15	0.18	MWD	WELLBENDERS DIRECTIO...
8/21/2019	10,316.00	2.33	246.72	10,307.60	-115.62	-116.77	-173.59	0.38	MWD	WELLBENDERS DIRECTIO...
8/21/2019	10,411.00	2.77	252.61	10,402.51	-117.04	-118.22	-177.56	0.54	MWD	WELLBENDERS DIRECTIO...
8/22/2019	10,506.00	2.95	290.23	10,497.40	-116.85	-118.06	-182.04	1.95	MWD	WELLBENDERS DIRECTIO...
8/22/2019	10,601.00	12.84	358.26	10,591.49	-105.40	-106.63	-184.67	12.68	MWD	WELLBENDERS DIRECTIO...
8/22/2019	10,696.00	24.66	359.75	10,681.29	-74.92	-76.15	-185.07	12.45	MWD	WELLBENDERS DIRECTIO...
8/22/2019	10,790.00	36.00	357.82	10,762.30	-27.54	-28.78	-186.21	12.11	MWD	WELLBENDERS DIRECTIO...
8/22/2019	10,885.00	45.27	354.48	10,834.32	34.12	32.85	-190.53	10.02	MWD	WELLBENDERS DIRECTIO...
8/22/2019	10,979.00	52.70	353.34	10,895.96	104.64	103.32	-198.09	7.96	MWD	WELLBENDERS DIRECTIO...
8/22/2019	11,074.00	63.21	356.68	10,946.31	184.78	183.43	-204.95	11.46	MWD	WELLBENDERS DIRECTIO...
8/22/2019	11,168.00	71.56	358.08	10,982.43	271.41	270.03	-208.88	8.99	MWD	WELLBENDERS DIRECTIO...
8/22/2019	11,262.00	78.95	357.82	11,006.33	362.21	360.81	-212.13	7.87	MWD	WELLBENDERS DIRECTIO...
8/22/2019	11,357.00	89.41	359.31	11,015.95	456.57	455.16	-214.49	11.12	MWD	WELLBENDERS DIRECTIO...
8/22/2019	11,451.00	91.30	1.07	11,015.37	550.56	549.15	-214.17	2.75	MWD	WELLBENDERS DIRECTIO...
8/22/2019	11,546.00	91.47	1.07	11,013.08	645.50	644.10	-212.40	0.18	MWD	WELLBENDERS DIRECTIO...
8/22/2019	11,640.00	90.46	1.77	11,011.49	739.44	738.06	-210.07	1.31	MWD	WELLBENDERS DIRECTIO...
8/22/2019	11,735.00	89.98	1.33	11,011.13	834.38	833.02	-207.50	0.69	MWD	WELLBENDERS DIRECTIO...
8/22/2019	11,830.00	90.51	0.81	11,010.72	929.35	928.01	-205.73	0.78	MWD	WELLBENDERS DIRECTIO...
8/22/2019	11,925.00	89.85	1.33	11,010.42	1,024.32	1,022.99	-203.95	0.88	MWD	WELLBENDERS DIRECTIO...
8/22/2019	12,020.00	90.46	1.07	11,010.17	1,119.28	1,117.97	-201.96	0.70	MWD	WELLBENDERS DIRECTIO...
8/23/2019	12,114.00	88.66	1.25	11,010.89	1,213.24	1,211.94	-200.06	1.92	MWD	WELLBENDERS DIRECTIO...
8/23/2019	12,209.00	89.71	0.81	11,012.24	1,308.20	1,306.91	-198.35	1.20	MWD	WELLBENDERS DIRECTIO...
8/23/2019	12,303.00	90.99	0.54	11,011.67	1,402.18	1,400.90	-197.25	1.39	MWD	WELLBENDERS DIRECTIO...
8/23/2019	12,398.00	89.23	1.42	11,011.48	1,497.15	1,495.89	-195.62	2.07	MWD	WELLBENDERS DIRECTIO...
8/23/2019	12,492.00	89.89	0.54	11,012.20	1,591.12	1,589.87	-194.01	1.17	MWD	WELLBENDERS DIRECTIO...
8/23/2019	12,587.00	89.01	0.98	11,013.12	1,686.10	1,684.85	-192.75	1.04	MWD	WELLBENDERS DIRECTIO...
8/23/2019	12,682.00	90.55	0.72	11,013.48	1,781.07	1,779.84	-191.35	1.64	MWD	WELLBENDERS DIRECTIO...
8/23/2019	12,776.00	89.93	1.42	11,013.09	1,875.04	1,873.82	-189.59	0.99	MWD	WELLBENDERS DIRECTIO...
8/23/2019	12,871.00	90.90	1.16	11,012.40	1,969.99	1,968.79	-187.45	1.06	MWD	WELLBENDERS DIRECTIO...
8/23/2019	12,966.00	90.68	1.86	11,011.09	2,064.93	2,063.75	-184.95	0.77	MWD	WELLBENDERS DIRECTIO...
8/23/2019	13,060.00	89.49	1.68	11,010.95	2,158.86	2,157.70	-182.04	1.28	MWD	WELLBENDERS DIRECTIO...



Well Name: FLAGLER 8 FED COM 14H

Sub-Division	Region	Field Name	County	State/Province		
DELAWARE BASIN	EDDY COUNTY CORE	COTTON DRAW SOUTH - CD	LEA	NM		
Surface Legal Location	API/UWI	Latitude (°)	Longitude (°)	Orig KB Elevation (ft)	Ground Elev MSL (ft)	KB - GL (ft)
8-25S-33E	3002544990	32° 8' 20.045" N	103° 36' 3.705" W	3,496.80	3,466.80	30.00

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
8/23/2019	13,155.00	91.08	1.07	11,010.48	2,253.81	2,252.67	-179.77	1.79	MWD	WELLBENDERS DIRECTIO...
8/24/2019	13,184.00	91.69	0.72	11,009.78	2,282.80	2,281.66	-179.31	2.42	MWD	WELLBENDERS DIRECTIO...
8/24/2019	13,278.00	90.37	1.16	11,008.09	2,376.76	2,375.63	-177.77	1.48	MWD	WELLBENDERS DIRECTIO...
8/24/2019	13,373.00	88.70	0.19	11,008.86	2,471.73	2,470.62	-176.65	2.03	MWD	WELLBENDERS DIRECTIO...
8/24/2019	13,468.00	89.05	359.93	11,010.72	2,566.71	2,565.60	-176.55	0.46	MWD	WELLBENDERS DIRECTIO...
8/24/2019	13,562.00	89.49	359.58	11,011.92	2,660.70	2,659.59	-176.95	0.60	MWD	WELLBENDERS DIRECTIO...
8/24/2019	13,657.00	89.54	359.31	11,012.72	2,755.70	2,754.58	-177.87	0.29	MWD	WELLBENDERS DIRECTIO...
8/24/2019	13,752.00	89.63	358.96	11,013.41	2,850.69	2,849.57	-179.31	0.38	MWD	WELLBENDERS DIRECTIO...
8/24/2019	13,846.00	89.98	359.05	11,013.73	2,944.69	2,943.55	-180.94	0.38	MWD	WELLBENDERS DIRECTIO...
8/24/2019	13,941.00	90.33	359.22	11,013.48	3,039.68	3,038.54	-182.37	0.41	MWD	WELLBENDERS DIRECTIO...
8/24/2019	14,036.00	90.55	358.87	11,012.75	3,134.68	3,133.52	-183.96	0.44	MWD	WELLBENDERS DIRECTIO...
8/24/2019	14,130.00	90.90	358.78	11,011.56	3,228.66	3,227.50	-185.89	0.38	MWD	WELLBENDERS DIRECTIO...
8/25/2019	14,225.00	89.49	359.31	11,011.23	3,323.65	3,322.48	-187.47	1.59	MWD	WELLBENDERS DIRECTIO...
8/25/2019	14,320.00	89.23	359.14	11,012.29	3,418.64	3,417.47	-188.75	0.33	MWD	WELLBENDERS DIRECTIO...
8/25/2019	14,415.00	89.41	0.01	11,013.42	3,513.63	3,512.46	-189.46	0.94	MWD	WELLBENDERS DIRECTIO...
8/25/2019	14,510.00	89.63	0.54	11,014.22	3,608.62	3,607.45	-189.00	0.60	MWD	WELLBENDERS DIRECTIO...
8/25/2019	14,605.00	89.54	0.72	11,014.91	3,703.61	3,702.44	-187.96	0.21	MWD	WELLBENDERS DIRECTIO...
8/25/2019	14,699.00	89.63	0.72	11,015.59	3,797.59	3,796.43	-186.78	0.10	MWD	WELLBENDERS DIRECTIO...
8/25/2019	14,794.00	89.85	0.98	11,016.02	3,892.56	3,891.42	-185.37	0.36	MWD	WELLBENDERS DIRECTIO...
8/25/2019	14,889.00	90.33	1.07	11,015.87	3,987.54	3,986.41	-183.67	0.51	MWD	WELLBENDERS DIRECTIO...
8/25/2019	14,984.00	90.68	0.98	11,015.03	4,082.50	4,081.39	-181.97	0.38	MWD	WELLBENDERS DIRECTIO...
8/25/2019	15,079.00	88.75	0.81	11,015.50	4,177.47	4,176.37	-180.48	2.04	MWD	WELLBENDERS DIRECTIO...
8/25/2019	15,174.00	88.88	0.72	11,017.47	4,272.43	4,271.34	-179.22	0.17	MWD	WELLBENDERS DIRECTIO...
8/25/2019	15,268.00	88.62	0.72	11,019.52	4,366.39	4,365.31	-178.04	0.28	MWD	WELLBENDERS DIRECTIO...
8/25/2019	15,362.00	89.54	1.16	11,021.03	4,460.36	4,459.28	-176.49	1.08	MWD	WELLBENDERS DIRECTIO...
8/25/2019	15,457.00	89.93	1.51	11,021.47	4,555.31	4,554.26	-174.28	0.55	MWD	WELLBENDERS DIRECTIO...
8/25/2019	15,552.00	90.46	1.60	11,021.14	4,650.26	4,649.22	-171.70	0.57	MWD	WELLBENDERS DIRECTIO...
8/25/2019	15,644.00	90.77	1.95	11,020.16	4,742.19	4,741.17	-168.85	0.51	MWD	WELLBENDERS DIRECTIO...
10/16/2...	15,702.00	90.77	1.95	11,019.38	4,800.13	4,799.13	-166.88	0.00	BIT	