



Directional Survey

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JAN 23 2020
DELAWARE BASIN UNRESTRICTED

Well Name: FLAGLER 8 FED 32H

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	3002544986	32° 8' 19.865" N	103° 35' 40.692" W	3,477.20	3,447.20	30.00

Wellbores

Wellbore Name	Parent Wellbore	SAP Well ID	Vertical Section Direction (°)
OH			359.62

Kick Offs & Key Depths

Date	Type	Top Depth (ftKB)	
11/13/2019	CURVE	1,237.0	
Date	Type	Top Depth (ftKB)	
11/22/2019	CURVE	500.0	
Actual Deviation Survey	Definitive?	Proposed?	Proposed Deviation Survey
COMPOSITE OH, Proposed? No	No	No	COMPOSITE WELL PLAN - OH, Proposed? Yes

Deviation Survey

Date		Description			
11/11/2019		COMPOSITE OH			
MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EWtie In (ft)
0.00	0.00	0.00	0.00	0.00	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
11/11/2...	173.00	1.05	244.75	172.99	-0.67	-0.68	-1.43	0.61	MWD	WELLBENDERS DIRECTIO...
11/11/2...	266.00	1.05	258.20	265.97	-1.19	-1.21	-3.04	0.26	MWD	WELLBENDERS DIRECTIO...
11/11/2...	449.00	1.23	291.68	448.94	-0.79	-0.83	-6.51	0.37	MWD	WELLBENDERS DIRECTIO...
11/11/2...	633.00	1.58	308.21	632.89	1.54	1.47	-10.33	0.29	MWD	WELLBENDERS DIRECTIO...
11/11/2...	818.00	1.45	317.35	817.82	4.86	4.77	-13.92	0.15	MWD	WELLBENDERS DIRECTIO...
11/11/2...	1,003.00	1.23	301.53	1,002.77	7.64	7.53	-17.20	0.23	MWD	WELLBENDERS DIRECTIO...
11/11/2...	1,083.00	1.23	306.45	1,082.75	8.61	8.49	-18.62	0.13	MWD	WELLBENDERS DIRECTIO...
11/13/2...	1,252.00	2.33	272.96	1,251.67	9.90	9.74	-23.51	0.87	MWD	WELLBENDERS DIRECTIO...
11/13/2...	1,346.00	4.04	267.78	1,345.52	9.90	9.71	-28.73	1.84	MWD	WELLBENDERS DIRECTIO...
11/13/2...	1,441.00	5.10	262.77	1,440.22	9.29	9.05	-36.26	1.19	MWD	WELLBENDERS DIRECTIO...
11/13/2...	1,535.00	6.42	264.97	1,533.74	8.37	8.06	-45.65	1.42	MWD	WELLBENDERS DIRECTIO...
11/13/2...	1,630.00	7.56	268.39	1,628.04	7.80	7.42	-57.18	1.28	MWD	WELLBENDERS DIRECTIO...
11/13/2...	1,724.00	8.44	262.06	1,721.12	6.76	6.30	-70.20	1.32	MWD	WELLBENDERS DIRECTIO...
11/13/2...	1,819.00	9.23	257.58	1,815.00	4.25	3.69	-84.54	1.10	MWD	WELLBENDERS DIRECTIO...
11/13/2...	1,913.00	8.53	249.58	1,907.87	0.29	-0.36	-98.44	1.51	MWD	WELLBENDERS DIRECTIO...
11/13/2...	2,007.00	8.92	245.10	2,000.79	-5.12	-5.86	-111.58	0.83	MWD	WELLBENDERS DIRECTIO...
11/13/2...	2,101.00	8.26	251.08	2,093.73	-10.29	-11.12	-124.58	1.18	MWD	WELLBENDERS DIRECTIO...
11/13/2...	2,196.00	8.79	252.31	2,187.68	-14.62	-15.54	-137.95	0.59	MWD	WELLBENDERS DIRECTIO...
11/13/2...	2,290.00	7.96	252.66	2,280.68	-18.66	-19.66	-151.01	0.88	MWD	WELLBENDERS DIRECTIO...
11/13/2...	2,385.00	7.47	253.01	2,374.82	-22.34	-23.42	-163.19	0.52	MWD	WELLBENDERS DIRECTIO...
11/13/2...	2,480.00	6.64	245.98	2,469.10	-26.31	-27.46	-174.12	1.26	MWD	WELLBENDERS DIRECTIO...
11/13/2...	2,574.00	6.86	243.43	2,562.45	-30.97	-32.19	-184.10	0.40	MWD	WELLBENDERS DIRECTIO...
11/13/2...	2,669.00	7.21	245.72	2,656.73	-35.89	-37.18	-194.61	0.47	MWD	WELLBENDERS DIRECTIO...
11/13/2...	2,764.00	8.04	248.62	2,750.89	-40.68	-42.05	-206.23	0.96	MWD	WELLBENDERS DIRECTIO...
11/13/2...	2,858.00	6.86	244.93	2,844.10	-45.38	-46.83	-217.44	1.35	MWD	WELLBENDERS DIRECTIO...
11/13/2...	2,953.00	6.33	248.35	2,938.47	-49.65	-51.16	-227.44	0.69	MWD	WELLBENDERS DIRECTIO...
11/13/2...	3,047.00	6.29	248.53	3,031.90	-53.39	-54.96	-237.05	0.05	MWD	WELLBENDERS DIRECTIO...
11/13/2...	3,142.00	6.46	253.89	3,126.32	-56.71	-58.35	-247.03	0.65	MWD	WELLBENDERS DIRECTIO...
11/13/2...	3,237.00	6.29	254.07	3,220.73	-59.55	-61.26	-257.17	0.18	MWD	WELLBENDERS DIRECTIO...
11/13/2...	3,332.00	5.98	256.88	3,315.18	-62.04	-63.81	-266.99	0.45	MWD	WELLBENDERS DIRECTIO...
11/13/2...	3,426.00	7.60	255.65	3,408.52	-64.62	-66.46	-277.78	1.73	MWD	WELLBENDERS DIRECTIO...
11/13/2...	3,521.00	8.53	253.19	3,502.58	-68.13	-70.06	-290.61	1.04	MWD	WELLBENDERS DIRECTIO...
11/13/2...	3,615.00	10.07	254.77	3,595.34	-72.21	-74.23	-305.22	1.66	MWD	WELLBENDERS DIRECTIO...
11/13/2...	3,710.00	9.80	250.90	3,688.92	-76.93	-79.06	-320.87	0.76	MWD	WELLBENDERS DIRECTIO...
11/13/2...	3,804.00	7.96	248.88	3,781.79	-81.80	-84.02	-334.50	1.99	MWD	WELLBENDERS DIRECTIO...
11/14/2...	3,898.00	6.81	251.87	3,875.01	-85.81	-88.10	-345.87	1.29	MWD	WELLBENDERS DIRECTIO...
11/14/2...	3,993.00	6.95	256.18	3,969.32	-88.86	-91.23	-356.81	0.56	MWD	WELLBENDERS DIRECTIO...
11/14/2...	4,087.00	6.77	258.37	4,062.65	-91.26	-93.70	-367.76	0.34	MWD	WELLBENDERS DIRECTIO...
11/14/2...	4,182.00	6.55	259.87	4,157.01	-93.27	-95.78	-378.57	0.30	MWD	WELLBENDERS DIRECTIO...
11/14/2...	4,276.00	6.24	258.55	4,250.43	-95.16	-97.74	-388.86	0.36	MWD	WELLBENDERS DIRECTIO...
11/14/2...	4,371.00	6.86	249.41	4,344.81	-98.11	-100.76	-399.23	1.27	MWD	WELLBENDERS DIRECTIO...
11/14/2...	4,465.00	7.78	243.96	4,438.04	-102.81	-105.53	-410.20	1.23	MWD	WELLBENDERS DIRECTIO...
11/14/2...	4,560.00	8.00	243.78	4,532.14	-108.47	-111.27	-421.91	0.23	MWD	WELLBENDERS DIRECTIO...
11/14/2...	4,655.00	7.47	237.98	4,626.28	-114.59	-117.47	-433.08	0.99	MWD	WELLBENDERS DIRECTIO...
11/14/2...	4,749.00	7.69	232.09	4,719.46	-121.63	-124.57	-443.22	0.86	MWD	WELLBENDERS DIRECTIO...
11/14/2...	4,844.00	9.01	238.69	4,813.45	-129.33	-132.34	-454.59	1.71	MWD	WELLBENDERS DIRECTIO...
11/14/2...	4,939.00	10.15	242.29	4,907.13	-136.99	-140.10	-468.36	1.36	MWD	WELLBENDERS DIRECTIO...
11/14/2...	4,986.00	10.68	241.94	4,953.35	-140.92	-144.08	-475.87	1.14	MWD	WELLBENDERS DIRECTIO...
11/16/2...	5,105.00	10.64	242.90	5,070.30	-150.98	-154.27	-495.38	0.15	MWD	WELLBENDERS DIRECTIO...
11/16/2...	5,200.00	10.55	242.20	5,163.68	-158.93	-162.32	-510.88	0.17	MWD	WELLBENDERS DIRECTIO...
11/16/2...	5,294.00	10.24	249.06	5,256.14	-165.83	-169.32	-526.29	1.36	MWD	WELLBENDERS DIRECTIO...
11/16/2...	5,388.00	10.68	253.01	5,348.58	-171.25	-174.85	-542.43	0.89	MWD	WELLBENDERS DIRECTIO...
11/16/2...	5,483.00	9.23	256.26	5,442.15	-175.53	-179.23	-558.25	1.64	MWD	WELLBENDERS DIRECTIO...
11/16/2...	5,577.00	8.35	259.16	5,535.04	-178.51	-182.31	-572.28	1.05	MWD	WELLBENDERS DIRECTIO...
11/16/2...	5,672.00	7.43	270.06	5,629.15	-179.71	-183.60	-585.19	1.84	MWD	WELLBENDERS DIRECTIO...
11/16/2...	5,766.00	7.25	273.84	5,722.38	-179.23	-183.19	-597.19	0.55	MWD	WELLBENDERS DIRECTIO...
11/16/2...	5,861.00	6.77	277.36	5,816.67	-178.03	-182.08	-608.72	0.68	MWD	WELLBENDERS DIRECTIO...
11/16/2...	5,955.00	5.45	278.15	5,910.13	-176.63	-180.73	-618.64	1.41	MWD	WELLBENDERS DIRECTIO...
11/16/2...	6,050.00	4.57	280.79	6,004.77	-175.22	-179.39	-626.82	0.96	MWD	WELLBENDERS DIRECTIO...
11/16/2...	6,144.00	3.74	261.89	6,098.52	-174.91	-179.12	-633.54	1.69	MWD	WELLBENDERS DIRECTIO...
11/16/2...	6,238.00	3.56	257.14	6,192.33	-175.95	-180.20	-639.42	0.37	MWD	WELLBENDERS DIRECTIO...



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8-25S-33E	3002544986	32° 8' 19.865" N	103° 35' 40.692" W	3,477.20	3,447.20	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
11/16/2...	6,333.00	2.95	239.65	6,287.18	-177.81	-182.09	-644.40	1.22	MWD	WELLBENDERS DIRECTIO...
11/16/2...	6,427.00	2.81	233.85	6,381.06	-180.37	-184.67	-648.35	0.34	MWD	WELLBENDERS DIRECTIO...
11/16/2...	6,522.00	2.86	232.89	6,475.95	-183.15	-187.48	-652.12	0.07	MWD	WELLBENDERS DIRECTIO...
11/16/2...	6,617.00	1.71	210.74	6,570.87	-185.78	-190.12	-654.74	1.50	MWD	WELLBENDERS DIRECTIO...
11/16/2...	6,711.00	1.05	191.40	6,664.84	-187.82	-192.17	-655.62	0.85	MWD	WELLBENDERS DIRECTIO...
11/16/2...	6,805.00	1.23	196.15	6,758.83	-189.63	-193.99	-656.07	0.22	MWD	WELLBENDERS DIRECTIO...
11/16/2...	6,900.00	1.14	203.00	6,853.81	-191.48	-195.84	-656.73	0.18	MWD	WELLBENDERS DIRECTIO...
11/16/2...	6,994.00	1.05	204.23	6,947.79	-193.12	-197.48	-657.45	0.10	MWD	WELLBENDERS DIRECTIO...
11/16/2...	7,089.00	1.36	204.41	7,042.77	-194.93	-199.30	-658.27	0.33	MWD	WELLBENDERS DIRECTIO...
11/16/2...	7,184.00	1.45	199.75	7,137.74	-197.08	-201.46	-659.14	0.15	MWD	WELLBENDERS DIRECTIO...
11/16/2...	7,279.00	1.41	204.67	7,232.71	-199.27	-203.65	-660.03	0.14	MWD	WELLBENDERS DIRECTIO...
11/16/2...	7,373.00	1.45	206.43	7,326.68	-201.38	-205.77	-661.05	0.06	MWD	WELLBENDERS DIRECTIO...
11/16/2...	7,468.00	1.45	204.23	7,421.65	-203.55	-207.94	-662.07	0.06	MWD	WELLBENDERS DIRECTIO...
11/16/2...	7,563.00	1.76	213.90	7,516.61	-205.84	-210.25	-663.38	0.43	MWD	WELLBENDERS DIRECTIO...
11/16/2...	7,658.00	0.66	199.31	7,611.59	-207.57	-211.98	-664.38	1.19	MWD	WELLBENDERS DIRECTIO...
11/16/2...	7,752.00	0.22	35.31	7,705.59	-207.93	-212.34	-664.45	0.93	MWD	WELLBENDERS DIRECTIO...
11/16/2...	7,847.00	0.35	336.51	7,800.59	-207.51	-211.93	-664.46	0.32	MWD	WELLBENDERS DIRECTIO...
11/16/2...	7,941.00	0.18	81.98	7,894.59	-207.23	-211.64	-664.43	0.46	MWD	WELLBENDERS DIRECTIO...
11/16/2...	8,036.00	0.44	215.31	7,989.59	-207.51	-211.92	-664.49	0.61	MWD	WELLBENDERS DIRECTIO...
11/16/2...	8,129.00	0.40	266.81	8,082.58	-207.81	-212.23	-665.02	0.39	MWD	WELLBENDERS DIRECTIO...
11/16/2...	8,224.00	0.22	260.83	8,177.58	-207.86	-212.28	-665.53	0.19	MWD	WELLBENDERS DIRECTIO...
11/17/2...	8,319.00	0.53	265.05	8,272.58	-207.92	-212.34	-666.15	0.33	MWD	WELLBENDERS DIRECTIO...
11/17/2...	8,413.00	0.62	239.83	8,366.57	-208.21	-212.64	-667.02	0.28	MWD	WELLBENDERS DIRECTIO...
11/17/2...	8,508.00	0.57	226.12	8,461.57	-208.79	-213.22	-667.81	0.16	MWD	WELLBENDERS DIRECTIO...
11/17/2...	8,603.00	0.84	223.22	8,556.56	-209.62	-214.06	-668.63	0.29	MWD	WELLBENDERS DIRECTIO...
11/17/2...	8,697.00	0.88	216.27	8,650.55	-210.70	-215.14	-669.53	0.12	MWD	WELLBENDERS DIRECTIO...
11/17/2...	8,792.00	1.05	207.05	8,745.54	-212.05	-216.50	-670.35	0.24	MWD	WELLBENDERS DIRECTIO...
11/17/2...	8,981.00	1.10	228.14	8,934.51	-214.79	-219.26	-672.49	0.21	MWD	WELLBENDERS DIRECTIO...
11/17/2...	9,076.00	1.05	217.94	9,029.49	-216.08	-220.55	-673.71	0.21	MWD	WELLBENDERS DIRECTIO...
11/17/2...	9,170.00	0.75	253.28	9,123.48	-216.93	-221.41	-674.83	0.66	MWD	WELLBENDERS DIRECTIO...
11/17/2...	9,265.00	0.62	282.98	9,218.47	-216.98	-221.47	-675.92	0.39	MWD	WELLBENDERS DIRECTIO...
11/17/2...	9,360.00	0.88	283.60	9,313.46	-216.69	-221.18	-677.13	0.27	MWD	WELLBENDERS DIRECTIO...
11/17/2...	9,455.00	0.92	258.90	9,408.45	-216.65	-221.16	-678.59	0.41	MWD	WELLBENDERS DIRECTIO...
11/17/2...	9,549.00	2.81	262.06	9,502.40	-217.10	-221.62	-681.61	2.01	MWD	WELLBENDERS DIRECTIO...
11/17/2...	9,646.00	2.95	269.10	9,599.28	-217.43	-221.99	-686.46	0.39	MWD	WELLBENDERS DIRECTIO...
11/17/2...	9,738.00	2.29	289.05	9,691.18	-216.84	-221.43	-690.57	1.21	MWD	WELLBENDERS DIRECTIO...
11/17/2...	9,832.00	2.55	279.55	9,785.10	-215.86	-220.47	-694.40	0.51	MWD	WELLBENDERS DIRECTIO...
11/18/2...	9,929.00	0.22	255.56	9,882.06	-215.53	-220.16	-696.71	2.42	MWD	WELLBENDERS DIRECTIO...
11/18/2...	10,023.00	0.84	204.32	9,976.06	-216.20	-220.83	-697.17	0.77	MWD	WELLBENDERS DIRECTIO...
11/18/2...	10,118.00	1.54	201.24	10,071.04	-218.02	-222.65	-697.92	0.74	MWD	WELLBENDERS DIRECTIO...
11/18/2...	10,212.00	1.36	199.75	10,165.01	-220.24	-224.88	-698.76	0.20	MWD	WELLBENDERS DIRECTIO...
11/18/2...	10,307.00	6.64	2.70	10,259.83	-215.81	-220.45	-698.88	8.37	MWD	WELLBENDERS DIRECTIO...
11/18/2...	10,401.00	17.32	359.36	10,351.65	-196.33	-200.97	-698.78	11.38	MWD	WELLBENDERS DIRECTIO...
11/18/2...	10,496.00	26.46	351.63	10,439.72	-161.15	-165.81	-702.02	10.07	MWD	WELLBENDERS DIRECTIO...
11/18/2...	10,591.00	34.20	2.70	10,521.72	-113.42	-118.09	-703.85	10.02	MWD	WELLBENDERS DIRECTIO...
11/19/2...	10,686.00	45.89	4.19	10,594.32	-52.55	-57.20	-700.09	12.35	MWD	WELLBENDERS DIRECTIO...
11/19/2...	10,781.00	57.85	2.52	10,652.88	21.88	17.27	-695.81	12.66	MWD	WELLBENDERS DIRECTIO...
11/19/2...	10,876.00	68.84	357.60	10,695.45	106.62	102.01	-695.90	12.46	MWD	WELLBENDERS DIRECTIO...
11/19/2...	10,970.00	77.32	358.22	10,722.78	196.43	191.80	-699.17	9.04	MWD	WELLBENDERS DIRECTIO...
11/19/2...	11,065.00	85.67	358.74	10,736.82	290.28	285.63	-701.65	8.81	MWD	WELLBENDERS DIRECTIO...
11/20/2...	11,186.00	93.23	0.94	10,737.98	411.18	406.53	-701.99	6.51	MWD	WELLBENDERS DIRECTIO...
11/20/2...	11,281.00	91.60	2.08	10,733.98	506.04	501.41	-699.49	2.09	MWD	WELLBENDERS DIRECTIO...
11/20/2...	11,375.00	91.47	2.00	10,731.46	599.92	595.32	-696.14	0.16	MWD	WELLBENDERS DIRECTIO...
11/20/2...	11,470.00	90.55	1.12	10,729.79	694.85	690.27	-693.55	1.34	MWD	WELLBENDERS DIRECTIO...
11/20/2...	11,565.00	90.42	1.21	10,728.98	789.81	785.24	-691.62	0.17	MWD	WELLBENDERS DIRECTIO...
11/20/2...	11,659.00	90.07	1.12	10,728.58	883.78	879.22	-689.71	0.38	MWD	WELLBENDERS DIRECTIO...
11/20/2...	11,754.00	89.45	0.94	10,728.98	978.75	974.21	-688.00	0.68	MWD	WELLBENDERS DIRECTIO...
11/20/2...	11,849.00	89.76	0.50	10,729.63	1,073.73	1,069.20	-686.81	0.57	MWD	WELLBENDERS DIRECTIO...
11/20/2...	11,944.00	90.95	0.68	10,729.05	1,168.71	1,164.19	-685.83	1.27	MWD	WELLBENDERS DIRECTIO...
11/20/2...	12,039.00	92.09	1.12	10,726.53	1,263.65	1,259.14	-684.34	1.29	MWD	WELLBENDERS DIRECTIO...
11/20/2...	12,134.00	90.33	0.24	10,724.52	1,358.61	1,354.11	-683.21	2.07	MWD	WELLBENDERS DIRECTIO...
11/20/2...	12,229.00	88.84	359.89	10,725.21	1,453.60	1,449.10	-683.11	1.61	MWD	WELLBENDERS DIRECTIO...
11/20/2...	12,323.00	88.04	359.62	10,727.77	1,547.56	1,543.07	-683.51	0.90	MWD	WELLBENDERS DIRECTIO...
11/21/2...	12,418.00	88.40	359.18	10,730.72	1,642.52	1,638.01	-684.50	0.60	MWD	WELLBENDERS DIRECTIO...
11/21/2...	12,513.00	88.70	359.45	10,733.12	1,737.49	1,732.98	-685.64	0.42	MWD	WELLBENDERS DIRECTIO...
11/21/2...	12,608.00	89.01	0.06	10,735.02	1,832.47	1,827.96	-686.04	0.72	MWD	WELLBENDERS DIRECTIO...
11/21/2...	12,702.00	89.14	0.59	10,736.54	1,926.45	1,921.94	-685.51	0.58	MWD	WELLBENDERS DIRECTIO...
11/21/2...	12,797.00	88.79	359.71	10,738.25	2,021.43	2,016.93	-685.26	1.00	MWD	WELLBENDERS DIRECTIO...
11/21/2...	12,891.00	88.31	358.48	10,740.63	2,115.39	2,110.88	-686.75	1.40	MWD	WELLBENDERS DIRECTIO...
11/21/2...	12,986.00	87.56	358.30	10,744.06	2,210.31	2,205.78	-689.41	0.81	MWD	WELLBENDERS DIRECTIO...
11/21/2...	13,081.00	88.00	359.01	10,747.74	2,305.22	2,300.68	-691.64	0.88	MWD	WELLBENDERS DIRECTIO...
11/21/2...	13,176.00	88.57	359.18	10,750.58	2,400.17	2,395.63	-693.14	0.63	MWD	WELLBENDERS DIRECTIO...
11/21/2...	13,271.00	88.84	359.18	10,752.73	2,495.15	2,490.59	-694.50	0.28	MWD	WELLBENDERS DIRECTIO...



Directional Survey

DELAWARE BASIN UNRESTRICTED

Well Name: FLAGLER 8 FED 32H

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	3002544986	32° 8' 19.865" N	103° 35' 40.692" W	3,477.20	3,447.20	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
11/21/2...	13,365.00	89.27	359.18	10,754.28	2,589.13	2,584.57	-695.85	0.46	MWD	WELLBENDERS DIRECTIO...
11/21/2...	13,460.00	89.32	359.18	10,755.44	2,684.12	2,679.55	-697.21	0.05	MWD	WELLBENDERS DIRECTIO...
11/21/2...	13,555.00	89.45	359.54	10,756.46	2,779.11	2,774.54	-698.27	0.40	MWD	WELLBENDERS DIRECTIO...
11/21/2...	13,650.00	90.15	358.83	10,756.80	2,874.11	2,869.53	-699.62	1.05	MWD	WELLBENDERS DIRECTIO...
11/21/2...	13,744.00	90.64	358.57	10,756.15	2,968.09	2,963.50	-701.75	0.59	MWD	WELLBENDERS DIRECTIO...
11/21/2...	13,839.00	90.86	357.87	10,754.90	3,063.06	3,058.45	-704.70	0.77	MWD	WELLBENDERS DIRECTIO...
11/22/2...	13,934.00	90.99	356.55	10,753.37	3,157.96	3,153.32	-709.32	1.40	MWD	WELLBENDERS DIRECTIO...
11/23/2...	14,032.00	91.08	354.44	10,751.60	3,255.68	3,251.00	-717.02	2.15	MWD	WELLBENDERS DIRECTIO...
11/23/2...	14,126.00	91.38	353.73	10,749.58	3,349.22	3,344.48	-726.70	0.82	MWD	WELLBENDERS DIRECTIO...
11/23/2...	14,221.00	91.91	353.91	10,746.86	3,443.70	3,438.88	-736.93	0.59	MWD	WELLBENDERS DIRECTIO...
11/23/2...	14,316.00	90.90	352.68	10,744.53	3,538.09	3,533.20	-748.02	1.67	MWD	WELLBENDERS DIRECTIO...
11/23/2...	14,410.00	91.82	352.68	10,742.30	3,631.37	3,626.41	-759.99	0.98	MWD	WELLBENDERS DIRECTIO...
11/23/2...	14,504.00	92.18	352.77	10,739.01	3,724.63	3,719.60	-771.89	0.39	MWD	WELLBENDERS DIRECTIO...
11/23/2...	14,599.00	92.44	352.77	10,735.19	3,818.88	3,813.76	-783.83	0.27	MWD	WELLBENDERS DIRECTIO...
11/23/2...	14,693.00	91.38	354.94	10,732.05	3,912.34	3,907.17	-793.89	2.57	MWD	WELLBENDERS DIRECTIO...
11/23/2...	14,787.00	90.86	357.95	10,730.21	4,006.17	4,000.96	-799.71	3.25	MWD	WELLBENDERS DIRECTIO...
11/24/2...	14,882.00	89.67	359.89	10,729.78	4,101.16	4,095.93	-801.50	2.40	MWD	WELLBENDERS DIRECTIO...
11/24/2...	14,977.00	90.11	359.97	10,729.96	4,196.16	4,190.93	-801.62	0.47	MWD	WELLBENDERS DIRECTIO...
11/24/2...	15,072.00	90.77	359.89	10,729.23	4,291.15	4,285.93	-801.74	0.70	MWD	WELLBENDERS DIRECTIO...
11/24/2...	15,166.00	91.52	0.06	10,727.35	4,385.13	4,379.91	-801.78	0.82	MWD	WELLBENDERS DIRECTIO...
11/24/2...	15,261.00	89.14	359.54	10,726.80	4,480.12	4,474.90	-802.11	2.56	MWD	WELLBENDERS DIRECTIO...
11/24/2...	15,355.00	89.58	359.71	10,727.85	4,574.11	4,568.89	-802.72	0.50	MWD	WELLBENDERS DIRECTIO...
11/24/2...	15,450.00	89.89	359.71	10,728.29	4,669.11	4,663.89	-803.20	0.33	MWD	WELLBENDERS DIRECTIO...
11/24/2...	15,533.00	90.20	359.80	10,728.23	4,752.11	4,746.89	-803.56	0.39	MWD	WELLBENDERS DIRECTIO...
11/24/2...	15,592.00	90.20	359.80	10,728.02	4,811.11	4,805.89	-803.77	0.00	BIT	