



Directional Survey

Well Name: SNAPPING 2 STATE 11H

Sub-Division DELAWARE BASIN WEST		Region BASIN WEST		Field Name JENNINGS (NM)		County EDDY		State/Province NM					
Surface Legal Location SEC 2 26S R31E		API/UWI 3001543041		Latitude (") 32° 4' 43.967" N		Longitude (") 103° 44' 53.836" W		Orig KB Elevation (ft) 3,316.40		Ground Elev MSL (ft) 3,291.40		KB - GL (ft) 25.00	
Wellbores													
Wellbore Name OH				Parent Wellbore OH				SAP Well ID 38575				Vertical Section Direction (") 187.25	
Kick Offs & Key Depths													
Date 7/4/2015				Type CURVE				Top Depth (ftKB) 9,715.0					
Actual Deviation Survey EXTREME SURVEYS, Proposed? No				Definitive? No		Proposed? No		Proposed Deviation Survey					
Deviation Survey													
Date 6/22/2015				Description EXTREME SURVEYS									
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			
6/22/2015	178.00	0.31	221.55	178.00	0.40	-0.36	-0.32	0.17	MS	EXTREME ENGINEERING			
6/22/2015	274.00	0.31	246.56	274.00	0.74	-0.66	-0.73	0.14	MS	EXTREME ENGINEERING			
6/22/2015	395.00	0.30	244.53	395.00	1.08	-0.92	-1.32	0.01	MS	EXTREME ENGINEERING			
6/22/2015	456.00	0.40	263.96	455.99	1.22	-1.02	-1.67	0.25	MS	EXTREME ENGINEERING			
6/22/2015	548.00	0.22	26.96	547.99	1.13	-0.89	-1.91	0.60	MS	EXTREME ENGINEERING			
6/22/2015	676.00	0.09	85.36	675.99	0.87	-0.66	-1.70	0.15	MS	EXTREME ENGINEERING			
6/22/2015	743.00	0.22	1.65	742.99	0.74	-0.53	-1.64	0.34	MS	EXTREME ENGINEERING			
6/22/2015	880.00	0.62	253.76	879.99	0.77	-0.48	-2.35	0.52	MS	EXTREME ENGINEERING			
6/22/2015	990.00	0.88	259.74	989.98	1.26	-0.79	-3.75	0.25	MS	EXTREME ENGINEERING			
6/22/2015	1,085.00	0.88	353.96	1,084.97	0.77	-0.20	-4.54	1.36	MS	EXTREME ENGINEERING			
6/22/2015	1,181.00	0.70	349.26	1,180.96	-0.51	1.11	-4.73	0.20	MS	EXTREME ENGINEERING			
6/22/2015	1,277.00	0.79	341.17	1,276.96	-1.66	2.31	-5.05	0.14	MS	EXTREME ENGINEERING			
6/22/2015	1,372.00	0.70	329.74	1,371.95	-2.71	3.44	-5.56	0.18	MS	EXTREME ENGINEERING			
6/22/2015	1,468.00	0.70	331.15	1,467.94	-3.65	4.46	-6.14	0.02	MS	EXTREME ENGINEERING			
6/22/2015	1,562.00	0.62	328.56	1,561.94	-4.51	5.39	-6.68	0.09	MS	EXTREME ENGINEERING			
6/22/2015	1,656.00	0.48	339.63	1,655.93	-5.25	6.20	-7.08	0.19	MS	EXTREME ENGINEERING			
6/22/2015	1,751.00	0.22	329.17	1,750.93	-5.75	6.72	-7.31	0.28	MS	EXTREME ENGINEERING			
6/22/2015	1,847.00	0.09	264.35	1,846.93	-5.88	6.88	-7.48	0.21	MS	EXTREME ENGINEERING			
6/22/2015	1,941.00	0.09	162.14	1,940.93	-5.79	6.80	-7.53	0.15	MS	EXTREME ENGINEERING			
6/22/2015	2,032.00	0.31	233.94	2,031.93	-5.56	6.59	-7.71	0.32	MS	EXTREME ENGINEERING			
6/22/2015	2,117.00	0.48	233.46	2,116.93	-5.16	6.24	-8.18	0.20	MS	EXTREME ENGINEERING			
6/22/2015	2,206.00	0.62	227.97	2,205.92	-4.53	5.69	-8.84	0.17	MS	EXTREME ENGINEERING			
6/22/2015	2,297.00	0.79	223.75	2,296.92	-3.66	4.91	-9.64	0.20	MS	EXTREME ENGINEERING			
6/22/2015	2,385.00	0.70	216.67	2,384.91	-2.70	4.04	-10.38	0.15	MS	EXTREME ENGINEERING			
6/22/2015	2,475.00	0.48	219.35	2,474.90	-1.90	3.31	-10.95	0.25	MS	EXTREME ENGINEERING			
6/22/2015	2,563.00	0.48	228.85	2,562.90	-1.31	2.78	-11.46	0.09	MS	EXTREME ENGINEERING			
6/22/2015	2,653.00	0.79	241.06	2,652.89	-0.67	2.23	-12.29	0.37	MS	EXTREME ENGINEERING			
6/22/2015	2,742.00	1.01	250.47	2,741.88	0.05	1.67	-13.56	0.30	MS	EXTREME ENGINEERING			
6/22/2015	2,835.00	0.88	264.05	2,834.87	0.58	1.33	-15.04	0.28	MS	EXTREME ENGINEERING			
6/22/2015	2,925.00	1.10	255.87	2,924.86	1.06	1.04	-16.57	0.29	MS	EXTREME ENGINEERING			
6/22/2015	3,015.00	1.01	251.43	3,014.84	1.72	0.58	-18.16	0.14	MS	EXTREME ENGINEERING			
6/22/2015	3,105.00	0.79	257.85	3,104.83	2.27	0.20	-19.52	0.27	MS	EXTREME ENGINEERING			
6/22/2015	3,195.00	0.48	254.33	3,194.83	2.62	-0.04	-20.49	0.35	MS	EXTREME ENGINEERING			
6/22/2015	3,282.00	0.40	251.87	3,281.82	2.89	-0.23	-21.13	0.09	MS	EXTREME ENGINEERING			
6/22/2015	3,371.00	0.40	275.03	3,370.82	3.04	-0.30	-21.73	0.18	MS	EXTREME ENGINEERING			
6/22/2015	3,460.00	0.31	302.76	3,459.82	2.95	-0.14	-22.24	0.21	MS	EXTREME ENGINEERING			
6/22/2015	3,551.00	0.22	87.47	3,550.82	2.81	0.00	-22.28	0.56	MS	EXTREME ENGINEERING			
6/22/2015	3,640.00	0.79	93.14	3,639.81	2.74	-0.03	-21.49	0.64	MS	EXTREME ENGINEERING			
6/22/2015	3,730.00	1.10	107.34	3,729.80	2.84	-0.32	-20.05	0.43	MS	EXTREME ENGINEERING			
6/22/2015	3,818.00	1.58	109.75	3,817.78	3.25	-0.98	-18.10	0.55	MS	EXTREME ENGINEERING			
6/22/2015	3,908.00	2.42	117.66	3,907.72	4.19	-2.28	-15.25	0.98	MS	EXTREME ENGINEERING			
6/22/2015	3,997.00	2.99	123.16	3,996.62	5.86	-4.42	-11.64	0.70	MS	EXTREME ENGINEERING			
6/22/2015	4,063.00	3.12	126.45	4,062.53	7.48	-6.43	-8.76	0.33	MS	EXTREME ENGINEERING			
6/29/2015	4,219.00	2.64	125.75	4,218.33	11.27	-11.05	-2.43	0.31	MWD	PATHFINDER ENERGY SE...			
6/29/2015	4,308.00	0.26	143.54	4,307.30	12.39	-12.41	-0.64	2.69	MWD	PATHFINDER ENERGY SE...			
6/29/2015	4,398.00	1.32	300.24	4,397.29	12.14	-12.05	-1.42	1.74	MWD	PATHFINDER ENERGY SE...			
6/29/2015	4,487.00	1.93	299.55	4,486.25	11.17	-10.80	-3.61	0.69	MWD	PATHFINDER ENERGY SE...			
6/29/2015	4,577.00	3.08	292.94	4,576.17	9.94	-9.11	-7.15	1.32	MWD	PATHFINDER ENERGY SE...			
6/29/2015	4,666.00	3.96	284.97	4,665.00	8.88	-7.38	-12.32	1.13	MWD	PATHFINDER ENERGY SE...			
6/29/2015	4,755.00	5.19	279.72	4,753.71	8.29	-5.91	-19.26	1.46	MWD	PATHFINDER ENERGY SE...			
6/29/2015	4,845.00	5.63	278.67	4,843.31	8.01	-4.56	-27.64	0.50	MWD	PATHFINDER ENERGY SE...			
6/29/2015	4,934.00	6.95	278.57	4,931.78	7.77	-3.10	-37.28	1.48	MWD	PATHFINDER ENERGY SE...			
6/29/2015	5,024.00	8.27	277.60	5,020.98	7.61	-1.43	-49.08	1.47	MWD	PATHFINDER ENERGY SE...			
6/29/2015	5,113.00	8.97	273.20	5,108.98	8.06	-0.20	-62.35	1.08	MWD	PATHFINDER ENERGY SE...			
6/29/2015	5,202.00	9.58	271.72	5,196.81	9.26	0.41	-76.68	0.7	MWD	PATHFINDER ENERGY SE...			
6/29/2015	5,292.00	9.76	272.94	5,285.53	10.56	1.03	-91.78	0.7	MWD	PATHFINDER ENERGY SE...			
6/29/2015	5,381.00	9.76	270.52	5,373.25	12.01	1.49	-106.86	0.7	MWD	PATHFINDER ENERGY SE...			
6/29/2015	5,470.00	10.11	269.45	5,460.91	13.95	1.48	-122.22	0.7	MWD	PATHFINDER ENERGY SE...			
6/29/2015	5,560.00	9.67	270.24	5,549.57	15.95	1.44	-137.67	0.7	MWD	PATHFINDER ENERGY SE...			
6/29/2015	5,649.00	10.02	272.78	5,637.26	17.46	1.84	-152.88	0.7	MWD	PATHFINDER ENERGY SE...			
6/29/2015	5,738.00	10.64	274.47	5,724.82	18.46	2.86	-168.81	0.78	MWD	PATHFINDER ENERGY SE...			
6/29/2015	5,828.00	10.46	273.02	5,813.30	19.47	3.94	-185.25	0.36	MWD	PATHFINDER ENERGY SE...			
6/29/2015	5,917.00	9.76	273.44	5,900.92	20.56	4.81	-200.85	0.79	MWD	PATHFINDER ENERGY SE...			
6/29/2015	6,006.00	10.11	275.89	5,988.58	21.25	6.07	-216.15	0.62	MWD	PATHFINDER ENERGY SE...			
6/29/2015	6,096.00	11.26	275.60	6,077.02	21.69	7.74	-232.75	1.28	MWD	PATHFINDER ENERGY SE...			

Provide signature page for Survey



Directional Survey

Well Name: SNAPPING 2 STATE 11H

Sub-Division		Region		Field Name			County		State/Province	
DELAWARE BASIN WEST		BASIN WEST		JENNINGS (NM)			EDDY		NM	
Surface Legal Location		API/UWI	Latitude (°)	Longitude (°)	Orig KB Elevation (ft)	Ground Elev MSL (ft)	KB - GL (ft)			
SEC 2 26S R31E		3001543041	32° 4' 43.967" N	103° 44' 53.836" W	3,316.40	3,291.40	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
6/29/2015	6,185.00	12.22	273.11	6,164.16	22.62	9.10	-250.80	1.22	MWD	PATHFINDER ENERGY SE...
6/29/2015	6,275.00	12.31	271.03	6,252.10	24.35	9.78	-269.91	0.50	MWD	PATHFINDER ENERGY SE...
6/29/2015	6,364.00	12.05	272.83	6,339.10	26.09	10.41	-288.67	0.52	MWD	PATHFINDER ENERGY SE...
6/29/2015	6,454.00	11.96	273.19	6,427.13	27.47	11.40	-307.37	0.13	MWD	PATHFINDER ENERGY SE...
6/29/2015	6,543.00	12.05	271.20	6,514.19	29.10	12.10	-325.86	0.48	MWD	PATHFINDER ENERGY SE...
6/29/2015	6,632.00	11.43	271.05	6,601.32	31.04	12.46	-343.97	0.70	MWD	PATHFINDER ENERGY SE...
6/29/2015	6,722.00	10.90	271.05	6,689.62	32.92	12.78	-361.39	0.59	MWD	PATHFINDER ENERGY SE...
6/29/2015	6,811.00	11.08	270.11	6,776.99	34.89	12.95	-378.36	0.29	MWD	PATHFINDER ENERGY SE...
6/29/2015	6,900.00	11.87	269.54	6,864.21	37.18	12.89	-396.06	0.90	MWD	PATHFINDER ENERGY SE...
6/29/2015	6,990.00	12.40	271.96	6,952.20	39.31	13.15	-414.97	0.82	MWD	PATHFINDER ENERGY SE...
6/29/2015	7,079.00	11.70	273.49	7,039.24	40.78	14.03	-433.53	0.86	MWD	PATHFINDER ENERGY SE...
6/29/2015	7,168.00	11.78	270.88	7,126.37	42.38	14.71	-451.62	0.60	MWD	PATHFINDER ENERGY SE...
6/29/2015	7,258.00	10.99	270.56	7,214.60	44.40	14.94	-469.39	0.88	MWD	PATHFINDER ENERGY SE...
6/29/2015	7,347.00	10.38	270.55	7,302.06	46.32	15.10	-485.89	0.69	MWD	PATHFINDER ENERGY SE...
6/29/2015	7,437.00	9.58	270.21	7,390.70	48.19	15.20	-501.49	0.89	MWD	PATHFINDER ENERGY SE...
6/29/2015	7,526.00	9.15	269.85	7,478.51	50.00	15.21	-515.97	0.49	MWD	PATHFINDER ENERGY SE...
6/29/2015	7,615.00	8.62	268.67	7,566.44	51.91	15.04	-529.71	0.63	MWD	PATHFINDER ENERGY SE...
6/29/2015	7,705.00	8.27	270.19	7,655.47	53.71	14.91	-542.93	0.46	MWD	PATHFINDER ENERGY SE...
6/29/2015	7,794.00	6.77	266.89	7,743.70	55.44	14.64	-554.57	1.75	MWD	PATHFINDER ENERGY SE...
6/29/2015	7,884.00	6.24	265.21	7,833.12	57.42	13.95	-564.74	0.63	MWD	PATHFINDER ENERGY SE...
6/29/2015	7,973.00	5.45	264.79	7,921.66	59.34	13.16	-573.77	0.89	MWD	PATHFINDER ENERGY SE...
6/29/2015	8,062.00	4.92	265.38	8,010.29	61.03	12.47	-581.78	0.60	MWD	PATHFINDER ENERGY SE...
6/29/2015	8,152.00	4.04	263.42	8,100.02	62.58	11.79	-588.78	0.99	MWD	PATHFINDER ENERGY SE...
6/29/2015	8,241.00	3.17	266.77	8,188.84	63.78	11.29	-594.35	1.01	MWD	PATHFINDER ENERGY SE...
6/29/2015	8,330.00	2.20	260.94	8,277.74	64.71	10.89	-598.49	1.13	MWD	PATHFINDER ENERGY SE...
6/29/2015	8,420.00	1.76	249.64	8,367.69	65.83	10.13	-601.49	0.65	MWD	PATHFINDER ENERGY SE...
6/29/2015	8,509.00	1.76	244.85	8,456.64	67.20	9.08	-604.01	0.17	MWD	PATHFINDER ENERGY SE...
6/29/2015	8,598.00	1.14	226.77	8,545.62	68.61	7.89	-605.89	0.86	MWD	PATHFINDER ENERGY SE...
6/29/2015	8,688.00	0.79	225.08	8,635.60	69.80	6.84	-606.99	0.39	MWD	PATHFINDER ENERGY SE...
6/29/2015	8,777.00	1.06	203.89	8,724.59	71.07	5.65	-607.75	0.48	MWD	PATHFINDER ENERGY SE...
6/29/2015	8,867.00	0.88	216.05	8,814.58	72.47	4.33	-608.50	0.30	MWD	PATHFINDER ENERGY SE...
6/29/2015	8,956.00	0.44	273.14	8,903.57	73.10	3.80	-609.24	0.83	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,045.00	0.44	317.33	8,992.57	72.90	4.07	-609.81	0.37	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,135.00	0.44	314.58	9,082.57	72.47	4.57	-610.29	0.02	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,224.00	0.35	347.73	9,171.57	72.00	5.07	-610.60	0.27	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,314.00	0.35	31.53	9,261.57	71.49	5.57	-610.51	0.29	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,403.00	0.53	35.96	9,350.56	70.89	6.14	-610.13	0.21	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,492.00	1.49	35.14	9,439.55	69.50	7.42	-609.22	1.08	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,582.00	1.32	49.20	9,529.52	67.70	9.05	-607.76	0.43	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,653.00	0.70	247.86	9,600.52	67.30	9.42	-607.54	2.81	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,705.00	2.20	238.01	9,652.50	68.09	8.78	-608.68	2.91	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,735.00	4.92	202.55	9,682.44	69.69	7.28	-609.67	11.26	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,765.00	8.27	189.70	9,712.24	73.09	3.97	-610.52	12.13	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,795.00	11.17	187.15	9,741.81	78.15	-1.05	-611.25	9.77	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,825.00	14.16	187.04	9,771.07	84.73	-7.57	-612.06	9.97	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,855.00	16.80	186.58	9,799.98	92.74	-15.52	-613.01	8.81	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,884.00	19.70	184.46	9,827.52	101.81	-24.56	-613.87	10.26	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,914.00	22.34	180.23	9,855.52	112.52	-35.31	-614.28	10.14	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,944.00	24.62	177.54	9,883.04	124.34	-47.25	-614.04	8.40	MWD	PATHFINDER ENERGY SE...
6/29/2015	9,974.00	27.08	176.27	9,910.03	137.21	-60.31	-613.33	8.40	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,004.00	30.16	176.81	9,936.37	151.33	-74.65	-612.46	10.30	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,034.00	33.41	177.98	9,961.86	166.90	-90.44	-611.75	11.03	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,063.00	36.49	178.71	9,985.63	183.31	-107.04	-611.28	10.72	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,093.00	40.01	179.55	10,009.19	201.69	-125.61	-611.00	11.86	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,123.00	43.53	179.46	10,031.56	221.49	-145.59	-610.83	11.74	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,152.00	46.69	178.65	10,052.02	241.82	-166.13	-610.48	11.07	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,182.00	50.56	178.72	10,071.85	264.08	-188.63	-609.97	12.90	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,212.00	54.43	178.41	10,090.11	287.60	-212.42	-609.37	12.93	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,242.00	58.30	178.58	10,106.72	312.28	-237.38	-608.71	12.91	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,272.00	61.03	179.36	10,121.87	337.90	-263.27	-608.25	9.37	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,302.00	62.96	179.43	10,135.96	364.14	-289.75	-607.97	6.44	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,331.00	65.42	178.99	10,148.58	389.99	-315.85	-607.61	8.59	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,361.00	68.41	178.75	10,160.35	417.29	-343.44	-607.07	9.99	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,391.00	70.79	178.48	10,170.80	445.09	-371.55	-606.39	7.98	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,420.00	72.37	178.55	10,179.97	472.28	-399.06	-605.67	5.45	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,450.00	72.81	178.26	10,188.94	500.57	-427.67	-604.88	1.73	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,480.00	73.16	178.40	10,197.72	528.91	-456.34	-604.04	1.25	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,510.00	73.51	178.06	10,206.32	557.29	-485.07	-603.15	1.59	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,540.00	75.45	178.04	10,214.35	585.82	-513.96	-602.17	6.47	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,570.00	77.12	178.82	10,221.46	614.62	-543.09	-601.37	6.11	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,597.00	78.61	180.47	10,227.14	640.79	-569.49	-601.21	8.13	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,627.00	81.07	180.99	10,232.43	670.12	-599.01	-601.59	8.38	MWD	PATHFINDER ENERGY SE...
6/29/2015	10,657.00	83.45	180.77	10,236.47	699.66	-628.73	-602.04	7.97	MWD	PATHFINDER ENERGY SE...
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Report Printed: 11/25/2015										



Directional Survey

Well Name: SNAPPING 2 STATE 11H

Sub-Division DELAWARE BASIN WEST		Region BASIN WEST		Field Name JENNINGS (NM)				County EDDY		State/Province NM		
Surface Legal Location SEC 2 26S R31E		API/UWI 3001543041		Latitude (°) 32° 4' 43.967" N		Longitude (°) 103° 44' 53.836" W		Orig KB Elevation (ft) 3,316.40		Ground Elev MSL (ft) 3,291.40		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		
6/29/2015	10,687.00	86.00	180.66	10,239.23	729.34	-658.60	-602.41	8.51	MWD	PATHFINDER ENERGY SE...		
6/29/2015	10,717.00	87.76	180.74	10,240.86	759.10	-688.55	-602.78	5.87	MWD	PATHFINDER ENERGY SE...		
6/29/2015	10,747.00	89.60	180.98	10,241.55	788.90	-718.54	-603.23	6.19	MWD	PATHFINDER ENERGY SE...		
6/29/2015	10,776.00	89.60	181.16	10,241.75	817.73	-747.53	-603.77	0.62	MWD	PATHFINDER ENERGY SE...		
6/29/2015	10,806.00	89.52	180.87	10,241.99	847.56	-777.53	-604.30	1.00	MWD	PATHFINDER ENERGY SE...		
6/29/2015	10,836.00	88.90	181.27	10,242.40	877.38	-807.52	-604.86	2.46	MWD	PATHFINDER ENERGY SE...		
6/29/2015	10,865.00	88.29	180.97	10,243.11	906.20	-836.50	-605.43	2.34	MWD	PATHFINDER ENERGY SE...		
6/29/2015	10,955.00	87.93	181.56	10,246.08	995.66	-926.43	-607.42	0.77	MWD	PATHFINDER ENERGY SE...		
6/29/2015	11,044.00	87.93	181.91	10,249.29	1,084.19	-1,015.33	-610.11	0.39	MWD	PATHFINDER ENERGY SE...		
6/29/2015	11,133.00	87.93	182.21	10,252.51	1,172.77	-1,104.22	-613.31	0.34	MWD	PATHFINDER ENERGY SE...		
6/29/2015	11,223.00	88.99	182.59	10,254.93	1,262.42	-1,194.11	-617.07	1.25	MWD	PATHFINDER ENERGY SE...		
6/29/2015	11,312.00	88.90	182.37	10,256.57	1,351.09	-1,283.01	-620.92	0.27	MWD	PATHFINDER ENERGY SE...		
6/29/2015	11,402.00	89.52	182.30	10,257.81	1,440.75	-1,372.92	-624.59	0.69	MWD	PATHFINDER ENERGY SE...		
6/29/2015	11,491.00	89.60	181.54	10,258.49	1,529.37	-1,461.87	-627.57	0.86	MWD	PATHFINDER ENERGY SE...		
6/29/2015	11,581.00	89.60	180.55	10,259.12	1,618.84	-1,551.85	-629.21	1.10	MWD	PATHFINDER ENERGY SE...		
6/29/2015	11,670.00	89.96	179.35	10,259.46	1,707.11	-1,640.85	-629.14	1.41	MWD	PATHFINDER ENERGY SE...		
6/29/2015	11,759.00	91.10	179.47	10,258.64	1,795.28	-1,729.84	-628.22	1.29	MWD	PATHFINDER ENERGY SE...		
6/29/2015	11,849.00	90.22	179.83	10,257.60	1,884.48	-1,819.83	-627.67	1.06	MWD	PATHFINDER ENERGY SE...		
6/29/2015	11,938.00	90.31	180.33	10,257.19	1,972.78	-1,908.83	-627.79	0.57	MWD	PATHFINDER ENERGY SE...		
6/29/2015	12,027.00	89.69	181.45	10,257.19	2,061.23	-1,997.82	-629.18	1.44	MWD	PATHFINDER ENERGY SE...		
6/29/2015	12,117.00	90.22	180.54	10,257.26	2,150.70	-2,087.80	-630.74	1.17	MWD	PATHFINDER ENERGY SE...		
6/29/2015	12,206.00	89.60	178.71	10,257.40	2,238.90	-2,176.80	-630.16	2.17	MWD	PATHFINDER ENERGY SE...		
6/29/2015	12,295.00	89.16	179.10	10,258.36	2,326.96	-2,265.77	-628.46	0.66	MWD	PATHFINDER ENERGY SE...		
6/29/2015	12,385.00	90.13	179.04	10,258.92	2,416.04	-2,355.76	-627.00	1.08	MWD	PATHFINDER ENERGY SE...		
6/29/2015	12,474.00	90.22	179.38	10,258.65	2,504.16	-2,444.75	-625.77	0.40	MWD	PATHFINDER ENERGY SE...		
6/29/2015	12,564.00	90.66	179.84	10,257.96	2,593.36	-2,534.74	-625.16	0.71	MWD	PATHFINDER ENERGY SE...		
6/29/2015	12,653.00	89.96	180.92	10,257.47	2,681.72	-2,623.74	-625.75	1.45	MWD	PATHFINDER ENERGY SE...		
6/29/2015	12,742.00	89.43	179.29	10,257.95	2,770.03	-2,712.73	-625.91	1.93	MWD	PATHFINDER ENERGY SE...		
6/29/2015	12,832.00	89.43	179.28	10,258.84	2,859.15	-2,802.72	-624.79	0.01	MWD	PATHFINDER ENERGY SE...		
6/29/2015	12,921.00	89.60	179.81	10,259.60	2,947.35	-2,891.72	-624.08	0.63	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,011.00	89.08	180.81	10,260.63	3,036.68	-2,981.71	-624.57	1.25	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,100.00	89.16	179.54	10,262.00	3,124.99	-3,070.70	-624.84	1.43	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,189.00	89.60	177.48	10,262.96	3,212.95	-3,159.66	-622.52	2.37	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,279.00	89.87	176.76	10,263.38	3,301.54	-3,249.54	-618.00	0.85	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,368.00	90.75	177.32	10,262.90	3,389.13	-3,338.42	-613.41	1.17	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,458.00	89.34	177.30	10,262.83	3,477.78	-3,428.32	-609.18	1.57	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,547.00	89.96	177.71	10,263.37	3,565.49	-3,517.23	-605.31	0.84	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,636.00	91.98	178.77	10,261.87	3,653.38	-3,606.17	-602.57	2.56	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,726.00	92.59	179.74	10,258.28	3,742.43	-3,696.09	-601.41	1.27	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,815.00	91.80	179.89	10,254.87	3,830.62	-3,785.02	-601.12	0.90	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,904.00	91.01	180.11	10,252.69	3,918.88	-3,874.00	-601.12	0.92	MWD	PATHFINDER ENERGY SE...		
6/29/2015	13,994.00	90.40	180.72	10,251.58	4,008.23	-3,963.99	-601.77	0.96	MWD	PATHFINDER ENERGY SE...		
6/29/2015	14,083.00	89.87	181.58	10,251.37	4,096.73	-4,052.97	-603.56	1.14	MWD	PATHFINDER ENERGY SE...		
6/29/2015	14,173.00	91.71	180.55	10,250.13	4,186.19	-4,142.94	-605.23	2.34	MWD	PATHFINDER ENERGY SE...		
6/29/2015	14,262.00	92.33	180.88	10,246.99	4,274.56	-4,231.87	-606.34	0.79	MWD	PATHFINDER ENERGY SE...		
6/29/2015	14,351.00	90.75	180.76	10,244.60	4,362.96	-4,320.83	-607.61	1.78	MWD	PATHFINDER ENERGY SE...		
6/29/2015	14,441.00	90.22	181.39	10,243.84	4,452.44	-4,410.81	-609.30	0.91	MWD	PATHFINDER ENERGY SE...		
6/29/2015	14,528.00	89.87	181.89	10,243.77	4,539.02	-4,497.77	-611.79	0.70	MWD	PATHFINDER ENERGY SE...		
6/29/2015	14,618.00	90.22	182.09	10,243.70	4,628.64	-4,587.72	-614.92	0.45	MWD	PATHFINDER ENERGY SE...		
6/29/2015	14,707.00	90.22	182.32	10,243.36	4,717.30	-4,676.65	-618.34	0.26	MWD	PATHFINDER ENERGY SE...		
6/29/2015	14,752.00	90.22	182.27	10,243.18	4,762.13	-4,721.62	-620.14	0.11	MWD	PATHFINDER ENERGY SE...		
7/15/2015	14,811.00	90.22	182.27	10,242.96	4,820.90	-4,780.57	-622.48	0.00	BIT	PATHFINDER ENERGY SE...		