



Directional Survey

Well Name: ALTBEIR 10 STATE 1H

Sub-Division DELAWARE BASIN	Region DELAWARE SLOPE EAST	Field Name WEIHEN	County LEA	State/Province NM		
Surface Legal Location Sec. 10 T18S R36E	API/UWI 3002542290	Latitude (°) 32° 45' 19.84" N	Longitude (°) 103° 20' 40.279" W	Orig KB Elevation (ft) 3,843.00	Ground Elev MSL (ft) 3,818.00	KB - GL (ft) 25.00

Wellbores	Wellbore Name OH	Parent Wellbore OH	SAP Well ID	Vertical Section Direction (°) HOBBS OCD
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Kick Offs & Key Depths	Date	Type	Top Depth (ftKB) SEP 16 2015
Actual Deviation Survey	Definitive?	Proposed?	Proposed Deviation Survey

Deviation Survey						RECEIVED
Date		Description				
MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EW Tie 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
Wellbore Name ST01			Parent Wellbore OH			SAP Well ID			Vertical Section Direction (°) 359.28	

Kick Offs & Key Depths	Date	Type	Top Depth (ftKB)
Actual Deviation Survey MWD, Proposed? No	Definitive? No	Proposed? No	Proposed Deviation Survey

Deviation Survey						
Date 5/16/2015		Description MWD				
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	
5/1/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00		MWD	FLOWDRIFT	
5/1/2015	62.00	0.48	195.10	62.00	-0.25	-0.25	-0.07	0.77	MWD	EXTREME	
5/1/2015	123.00	0.62	330.63	123.00	-0.21	-0.21	-0.30	1.67	MWD	EXTREME	
5/1/2015	183.00	0.79	155.51	183.00	-0.30	-0.30	-0.28	2.35	MWD	EXTREME	
5/1/2015	383.00	1.19	123.60	382.97	-2.73	-2.71	2.02	0.33	MWD	EXTREME	
5/1/2015	514.00	1.01	118.94	513.94	-4.07	-4.02	4.16	0.15	MWD	EXTREME	
5/1/2015	666.00	0.62	132.61	665.93	-5.30	-5.22	5.94	0.28	MWD	EXTREME	
5/1/2015	849.00	0.70	120.04	848.92	-6.55	-6.45	7.63	0.09	MWD	EXTREME	
5/1/2015	1,037.00	0.48	128.61	1,036.91	-7.64	-7.52	9.24	0.13	MWD	EXTREME	
5/1/2015	1,224.00	0.22	199.61	1,223.90	-8.47	-8.35	9.74	0.25	MWD	EXTREME	
5/1/2015	1,412.00	0.22	85.02	1,411.90	-8.78	-8.66	9.97	0.20	MWD	EXTREME	
5/1/2015	1,602.00	0.22	110.24	1,601.90	-8.88	-8.75	10.68	0.05	MWD	EXTREME	
5/1/2015	1,702.00	0.09	200.50	1,701.90	-9.03	-8.89	10.83	0.24	MWD	EXTREME	
5/1/2015	1,796.00	0.09	318.32	1,795.90	-9.04	-8.90	10.76	0.16	MWD	EXTREME	
5/1/2015	1,890.00	0.31	241.81	1,889.90	-9.10	-8.97	10.48	0.32	MWD	EXTREME	
5/1/2015	1,959.00	0.09	175.72	1,958.90	-9.24	-9.11	10.32	0.41	MWD	EXTREME	
5/1/2015	2,054.00	0.31	167.81	2,053.90	-9.57	-9.44	10.38	0.23	MWD	EXTREME	
5/1/2015	2,149.00	0.22	167.40	2,148.90	-10.00	-9.87	10.48	0.09	MWD	EXTREME	
5/1/2015	2,244.00	0.31	168.21	2,243.90	-10.43	-10.30	10.57	0.09	MWD	EXTREME	
5/1/2015	2,338.00	0.48	174.89	2,337.89	-11.07	-10.94	10.66	0.19	MWD	EXTREME	
5/1/2015	2,433.00	0.22	176.03	2,432.89	-11.65	-11.52	10.71	0.27	MWD	EXTREME	
5/1/2015	2,528.00	0.40	160.12	2,527.89	-12.14	-12.01	10.83	0.21	MWD	EXTREME	
5/1/2015	2,622.00	0.31	122.99	2,621.89	-12.60	-12.46	11.16	0.26	MWD	EXTREME	
5/1/2015	2,717.00	0.31	120.79	2,716.89	-12.87	-12.73	11.59	0.01	MWD	EXTREME	
5/1/2015	2,812.00	0.22	172.43	2,811.89	-13.19	-13.04	11.84	0.26	MWD	EXTREME	
5/1/2015	2,906.00	0.22	92.32	2,905.89	-13.38	-13.23	12.04	0.30	MWD	EXTREME	
5/1/2015	3,001.00	0.00	351.99	3,000.89	-13.39	-13.23	12.22	0.23	MWD	EXTREME	
5/1/2015	3,095.00	0.00	169.13	3,094.89	-13.39	-13.23	12.22	0.00	MWD	EXTREME	
5/1/2015	3,187.00	0.22	84.63	3,186.89	-13.37	-13.22	12.40	0.24	MWD	EXTREME	
5/1/2015	3,285.00	0.22	65.03	3,284.89	-13.28	-13.12	12.76	0.08	MWD	EXTREME	
5/1/2015	3,380.00	0.31	77.11	3,379.88	-13.15	-12.99	13.17	0.11	MWD	EXTREME	
5/1/2015	3,474.00	0.31	37.60	3,473.88	-12.90	-12.73	13.58	0.22	MWD	EXTREME	
5/1/2015	3,569.00	0.22	56.50	3,568.88	-12.60	-12.42	13.88	0.13	MWD	EXTREME	
5/1/2015	3,663.00	0.31	83.22	3,662.88	-12.47	-12.29	14.29	0.16	MWD	EXTREME	
5/1/2015	3,758.00	0.40	76.01	3,757.88	-12.37	-12.18	14.86	0.11	MWD	EXTREME	
5/1/2015	3,852.00	0.31	49.69	3,851.88	-12.13	-11.94	15.38	0.20	MWD	EXTREME	
5/1/2015	3,947.00	0.22	49.29	3,946.88	-11.85	-11.65	15.71	0.09	MWD	EXTREME	
5/1/2015	4,041.00	0.31	50.39	4,040.88	-11.57	-11.37	16.04	0.10	MWD	EXTREME	
5/1/2015	4,135.00	0.09	79.22	4,134.88	-11.40	-11.20	16.31	0.25	MWD	EXTREME	
5/1/2015	4,241.00	0.22	126.72	4,240.87	-11.51	-11.30	16.56	0.16	MWD	EXTREME	
5/1/2015	4,330.00	0.22	359.02	4,329.87	-11.44	-11.24	16.69	0.44	MWD	EXTREME	
5/1/2015	4,425.00	0.31	93.50	4,424.87	-11.28	-11.07	16.94	0.41	MWD	EXTREME	
5/1/2015	4,519.00	0.70	62.70	4,518.87	-11.04	-10.82	17.71	0.49	MWD	EXTREME	
5/1/2015	4,613.00	0.48	91.13	4,612.87	-10.80	-10.57	18.61	0.38	MWD	EXTREME	
5/1/2015	4,708.00	0.48	36.90	4,707.86	-10.50	-10.26	19.25	0.46	MWD	EXTREME	
5/1/2015	4,802.00	0.31	53.73	4,801.86	-10.04	-9.79	19.69	0.22	MWD	EXTREME	
5/1/2015	4,897.00	0.70	68.10	4,896.86	-9.68	-9.42	20.44	0.43	MWD	EXTREME	
5/1/2015	4,992.00	0.62	78.91	4,991.85	-9.38	-9.11	21.48	0.16	MWD	EXTREME	
5/1/2015	5,086.00	0.70	47.32	5,085.84	-8.90	-8.62	22.40	0.39	MWD	EXTREME	
5/1/2015	5,180.00	0.48	46.00	5,179.84	-8.25	-7.96	23.11	0.23	MWD	EXTREME	
5/1/2015	5,275.00	0.88	34.40	5,274.83	-7.38	-7.08	23.80	0.44	MWD	EXTREME	
5/1/2015	5,369.00	0.70	48.81	5,368.82	-6.41	-6.10	24.64	0.28	MWD	EXTREME	
5/1/2015	5,464.00	0.79	26.31	5,463.82	-5.45	-5.13	25.37	0.32	MWD	EXTREME	



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5/1/2015	5,558.00	0.79	18.31	5,557.81	-4.26	-3.94	25.86	0.12	MWD	EXTREME
5/1/2015	5,653.00	0.79	36.02	5,652.80	-3.12	-2.79	26.45	0.26	MWD	EXTREME
5/1/2015	5,747.00	0.79	23.63	5,746.79	-2.01	-1.67	27.09	0.18	MWD	EXTREME
5/1/2015	5,841.00	1.01	32.11	5,840.78	-0.72	-0.37	27.79	0.27	MWD	EXTREME
5/1/2015	5,936.00	0.70	25.91	5,935.77	0.50	0.86	28.49	0.34	MWD	EXTREME
5/1/2015	6,030.00	0.79	51.31	6,029.76	1.41	1.78	29.25	0.36	MWD	EXTREME
5/1/2015	6,125.00	0.48	45.03	6,124.75	2.09	2.47	30.04	0.33	MWD	EXTREME
5/1/2015	6,219.00	0.70	81.42	6,218.75	2.44	2.83	30.89	0.45	MWD	EXTREME
5/1/2015	6,314.00	0.48	89.02	6,313.74	2.53	2.93	31.86	0.25	MWD	EXTREME
5/1/2015	6,408.00	0.48	108.62	6,407.74	2.40	2.81	32.63	0.17	MWD	EXTREME
5/1/2015	6,503.00	1.01	155.03	6,502.73	1.50	1.92	33.36	0.80	MWD	EXTREME
5/1/2015	6,597.00	0.88	141.09	6,596.72	0.18	0.61	34.16	0.28	MWD	EXTREME
5/1/2015	6,691.00	1.10	149.71	6,690.71	-1.17	-0.73	35.07	0.28	MWD	EXTREME
5/1/2015	6,786.00	1.19	133.49	6,785.69	-2.65	-2.20	36.24	0.35	MWD	EXTREME
5/1/2015	6,880.00	1.10	138.90	6,879.67	-4.02	-3.55	37.55	0.15	MWD	EXTREME
5/1/2015	6,975.00	1.32	131.69	6,974.65	-5.45	-4.96	38.96	0.28	MWD	EXTREME
5/1/2015	7,069.00	1.19	144.30	7,068.62	-6.98	-6.48	40.34	0.32	MWD	EXTREME
5/1/2015	7,164.00	1.01	155.90	7,163.61	-8.56	-8.04	41.26	0.30	MWD	EXTREME
5/1/2015	7,258.00	0.70	149.22	7,257.60	-9.82	-9.29	41.89	0.35	MWD	EXTREME
5/1/2015	7,352.00	1.01	179.59	7,351.59	-11.14	-10.61	42.19	0.57	MWD	EXTREME
5/1/2015	7,447.00	0.40	173.79	7,446.58	-12.31	-11.78	42.23	0.65	MWD	EXTREME
5/1/2015	7,541.00	0.62	198.93	7,540.57	-13.12	-12.59	42.10	0.33	MWD	EXTREME
5/1/2015	7,636.00	0.62	144.21	7,635.57	-14.02	-13.49	42.24	0.60	MWD	EXTREME
5/1/2015	7,730.00	0.88	122.11	7,729.56	-14.83	-14.29	43.14	0.41	MWD	EXTREME
5/1/2015	7,825.00	1.10	126.81	7,824.55	-15.78	-15.22	44.49	0.25	MWD	EXTREME
5/1/2015	7,920.00	1.41	125.89	7,919.53	-17.03	-16.45	46.17	0.33	MWD	EXTREME
5/1/2015	8,010.00	1.32	124.18	8,009.50	-18.29	-17.69	47.92	0.11	MWD	EXTREME
5/1/2015	8,050.00	1.41	125.89	8,049.49	-18.84	-18.23	48.70	0.25	MWD	PATHFINDER ENERGY SE...
5/1/2015	8,105.00	1.58	129.63	8,104.47	-19.74	-19.11	49.84	0.36	MWD	PATHFINDER ENERGY SE...
5/3/2015	8,199.00	1.41	129.10	8,198.44	-21.32	-20.67	51.73	0.18	MWD	PATHFINDER ENERGY SE...
5/3/2015	8,294.00	1.93	119.34	8,293.40	-22.87	-22.19	54.03	0.62	MWD	PATHFINDER ENERGY SE...
5/5/2015	8,446.00	2.24	117.96	8,445.30	-25.57	-24.84	58.89	0.21	MWD	FLOWDRIFT
5/5/2015	8,544.00	2.03	106.73	8,543.23	-27.01	-26.23	62.24	0.48	MWD	FLOWDRIFT
5/5/2015	8,638.00	1.90	108.81	8,637.17	-28.03	-27.22	65.31	0.16	MWD	FLOWDRIFT
5/5/2015	8,728.00	1.84	93.96	8,727.13	-28.65	-27.80	68.17	0.54	MWD	FLOWDRIFT
5/5/2015	8,898.00	15.65	20.61	8,894.92	-7.39	-6.40	79.02	8.95	MWD	PATHFINDER ENERGY SE...
5/5/2015	8,929.00	18.64	20.00	8,924.54	1.14	2.17	82.19	9.66	MWD	PATHFINDER ENERGY SE...
5/5/2015	8,961.00	21.02	18.52	8,954.64	11.34	12.42	85.76	7.60	MWD	PATHFINDER ENERGY SE...
5/5/2015	8,992.00	22.95	16.08	8,983.38	22.38	23.50	89.20	6.89	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,024.00	25.06	14.75	9,012.61	34.89	36.05	92.66	6.81	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,055.00	27.61	14.27	9,040.39	48.15	49.37	96.10	8.25	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,087.00	30.69	12.47	9,068.34	63.27	64.53	99.69	10.01	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,118.00	33.85	9.76	9,094.55	79.47	80.77	102.87	11.21	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,150.00	37.28	6.12	9,120.58	97.86	99.20	105.41	12.59	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,181.00	40.54	3.25	9,144.70	117.24	118.60	106.98	12.01	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,213.00	44.05	2.25	9,168.37	138.73	140.10	108.01	11.17	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,244.00	46.87	1.73	9,190.11	160.80	162.18	108.77	9.17	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,276.00	48.63	1.60	9,211.62	184.47	185.86	109.46	5.51	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,307.00	50.56	2.05	9,231.72	208.05	209.45	110.22	6.32	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,339.00	52.67	1.61	9,251.58	233.11	234.52	111.02	6.68	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,370.00	55.31	0.48	9,269.81	258.17	259.59	111.47	9.01	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,402.00	58.12	359.78	9,287.37	284.91	286.34	111.53	8.97	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,433.00	61.20	359.22	9,303.03	311.66	313.09	111.29	10.06	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,464.00	64.37	359.36	9,317.20	339.23	340.65	110.95	10.23	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,496.00	67.62	359.30	9,330.22	368.46	369.88	110.61	10.16	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,528.00	71.31	359.41	9,341.44	398.42	399.83	110.27	11.54	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,559.00	75.18	359.49	9,350.38	428.10	429.51	109.99	12.49	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,591.00	78.61	358.71	9,357.63	459.26	460.67	109.50	10.98	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,622.00	82.22	357.56	9,362.79	489.81	491.22	108.50	12.21	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,661.00	86.26	357.02	9,366.71	528.58	529.97	106.66	10.45	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,756.00	89.78	358.10	9,369.99	623.47	624.81	102.62	3.88	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,850.00	91.10	359.13	9,369.27	717.46	718.77	100.35	1.78	MWD	PATHFINDER ENERGY SE...
5/5/2015	9,944.00	91.71	359.74	9,366.96	811.43	812.74	99.42	0.92	MWD	PATHFINDER ENERGY SE...
5/20/2015	10,039.00	91.36	359.65	9,364.42	906.39	907.70	98.92	0.38	MWD	PATHFINDER ENERGY SE...
5/20/2015	10,133.00	91.80	0.09	9,361.82	1,000.35	1,001.67	98.71	0.66	MWD	PATHFINDER ENERGY SE...
5/20/2015	10,228.00	89.96	359.65	9,360.36	1,095.33	1,096.65	98.49	1.99	MWD	PATHFINDER ENERGY SE...
5/20/2015	10,322.00	89.69	359.65	9,360.65	1,189.33	1,190.65	97.92	0.29	MWD	PATHFINDER ENERGY SE...
5/20/2015	10,417.00	89.87	358.25	9,361.02	1,284.32	1,285.63	96.18	1.49	MWD	PATHFINDER ENERGY SE...
5/20/2015	10,511.00	89.43	358.07	9,361.59	1,378.30	1,379.58	93.16	0.51	MWD	PATHFINDER ENERGY SE...
5/21/2015	10,606.00	89.16	358.78	9,362.76	1,473.28	1,474.54	90.55	0.80	MWD	PATHFINDER ENERGY SE...
5/21/2015	10,700.00	89.69	359.13	9,363.70	1,567.28	1,568.52	88.83	0.68	MWD	PATHFINDER ENERGY SE...
5/21/2015	10,795.00	89.08	359.21	9,364.72	1,662.27	1,663.50	87.46	0.65	MWD	PATHFINDER ENERGY SE...
5/21/2015	10,890.00	88.55	358.86	9,366.69	1,757.25	1,758.47	85.86	0.67	MWD	PATHFINDER ENERGY SE...
5/21/2015	10,984.00	90.48	359.65	9,367.48	1,851.24	1,852.45	84.63	2.22	MWD	PATHFINDER ENERGY SE...



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5/21/2015	11,079.00	90.40	0.01	9,366.75	1,946.23	1,947.45	84.35	0.39	MWD	PATHFINDER ENERGY SE...			
5/21/2015	11,173.00	90.48	359.21	9,366.03	2,040.23	2,041.44	83.71	0.86	MWD	PATHFINDER ENERGY SE...			
5/21/2015	11,267.00	89.96	358.78	9,365.67	2,134.22	2,135.42	82.06	0.72	MWD	PATHFINDER ENERGY SE...			
5/21/2015	11,362.00	89.96	359.13	9,365.74	2,229.22	2,230.41	80.33	0.37	MWD	PATHFINDER ENERGY SE...			
5/21/2015	11,456.00	89.60	359.39	9,366.10	2,323.22	2,324.40	79.12	0.47	MWD	PATHFINDER ENERGY SE...			
5/21/2015	11,551.00	88.99	359.74	9,367.27	2,418.21	2,419.39	78.40	0.74	MWD	PATHFINDER ENERGY SE...			
5/21/2015	11,645.00	90.04	359.39	9,368.06	2,512.21	2,513.38	77.68	1.18	MWD	PATHFINDER ENERGY SE...			
5/21/2015	11,740.00	90.92	359.13	9,367.27	2,607.20	2,608.37	76.46	0.97	MWD	PATHFINDER ENERGY SE...			
5/21/2015	11,834.00	91.80	359.13	9,365.04	2,701.17	2,702.33	75.03	0.94	MWD	PATHFINDER ENERGY SE...			
5/21/2015	11,928.00	91.63	359.13	9,362.22	2,795.13	2,796.28	73.60	0.18	MWD	PATHFINDER ENERGY SE...			
5/22/2015	12,023.00	92.95	357.89	9,358.43	2,890.04	2,891.17	71.13	1.91	MWD	PATHFINDER ENERGY SE...			
5/22/2015	12,118.00	93.47	357.81	9,353.11	2,984.87	2,985.95	67.58	0.55	MWD	PATHFINDER ENERGY SE...			
5/22/2015	12,212.00	93.91	358.54	9,347.06	3,078.65	3,079.71	64.59	0.91	MWD	PATHFINDER ENERGY SE...			
5/22/2015	12,307.00	92.42	358.67	9,341.81	3,173.50	3,174.53	62.28	1.57	MWD	PATHFINDER ENERGY SE...			
5/22/2015	12,401.00	92.42	359.08	9,337.84	3,267.41	3,268.43	60.44	0.44	MWD	PATHFINDER ENERGY SE...			
5/22/2015	12,495.00	92.24	359.11	9,334.02	3,361.33	3,362.34	58.95	0.19	MWD	PATHFINDER ENERGY SE...			
5/22/2015	12,590.00	92.33	359.19	9,330.23	3,456.26	3,457.25	57.54	0.13	MWD	PATHFINDER ENERGY SE...			
5/22/2015	12,684.00	92.24	359.33	9,326.49	3,550.18	3,551.17	56.33	0.18	MWD	PATHFINDER ENERGY SE...			
5/22/2015	12,779.00	91.98	359.74	9,322.99	3,645.12	3,646.10	55.56	0.51	MWD	PATHFINDER ENERGY SE...			
5/22/2015	12,873.00	92.07	0.46	9,319.67	3,739.05	3,740.04	55.72	0.77	MWD	PATHFINDER ENERGY SE...			
5/22/2015	12,968.00	91.45	0.20	9,316.75	3,833.99	3,835.00	56.27	0.71	MWD	PATHFINDER ENERGY SE...			
5/24/2015	13,065.00	91.36	0.73	9,314.37	3,930.94	3,931.96	57.06	0.55	MWD	PATHFINDER ENERGY SE...			
5/25/2015	13,159.00	91.89	0.68	9,311.71	4,024.87	4,025.92	58.21	0.57	MWD	PATHFINDER ENERGY SE...			
5/25/2015	13,254.00	92.77	1.11	9,307.84	4,119.75	4,120.83	59.70	1.03	MWD	PATHFINDER ENERGY SE...			
5/25/2015	13,349.00	90.48	0.46	9,305.15	4,214.67	4,215.77	61.00	2.51	MWD	PATHFINDER ENERGY SE...			
5/25/2015	13,443.00	90.22	0.40	9,304.57	4,308.65	4,309.77	61.70	0.28	MWD	PATHFINDER ENERGY SE...			
5/25/2015	13,538.00	90.31	0.11	9,304.14	4,403.64	4,404.77	62.13	0.32	MWD	PATHFINDER ENERGY SE...			
5/25/2015	13,632.00	90.04	0.35	9,303.85	4,497.62	4,498.77	62.50	0.38	MWD	PATHFINDER ENERGY SE...			
5/25/2015	13,727.00	89.87	0.53	9,303.92	4,592.61	4,593.76	63.23	0.26	MWD	PATHFINDER ENERGY SE...			
5/25/2015	13,821.00	89.52	0.73	9,304.42	4,686.58	4,687.76	64.27	0.43	MWD	PATHFINDER ENERGY SE...			
5/25/2015	13,850.00	89.25	0.56	9,304.73	4,715.57	4,716.75	64.59	1.10	MWD	PATHFINDER ENERGY SE...			
5/25/2015	13,908.00	89.25	0.56	9,305.49	4,773.55	4,774.74	65.16	0.00	BIT	PATHFINDER ENERGY SE...			

Page 3/3

Report Printed: 9/9/2015