

Well Name: SHAULA 30 FED COM 4H

Sub-Division DELAWARE BASIN		Region NORTHWEST CORE		Field Name HACKBERRY			County EDDY		State/Province NM				
Surface Legal Location SEC29 T18S R31E		APN/AM 3001541525		Latitude (°) 32° 42' 46.61" N		Longitude (°) 103° 53' 59.011" W		Orig KB Elevation (ft) 3,602.40		Ground Elev MSL (ft) 3,576.20		KB - GL (ft) 26.20	
Wellbores													
Wellbore Name OH				Parent Wellbore OH				Vertical Section Direction (°) 268.76					
Kick Offs & Key Depths													
Date 11/6/2013				Type Kick Off				Top Depth (ftKB) 8,252.0					
Date 11/6/2013				Definitive? Yes				Description GYRO				Proposed? No	
MD Tie In (ftKB) 0.00		TVD Tie In (ftKB) 0.00		Inclination Tie In (°) 0.00		Azimuth Tie In (°) 0.00		NS Tie In (ft) 0.00		EW Tie 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			
11/6/2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GYRO	VAUHG N ENER			
11/6/2013	100.00	0.42	331.81	100.00	0.17	0.32	-0.17	0.42	GYRO	VAUHG N ENER			
11/6/2013	200.00	0.47	319.83	200.00	0.59	0.96	-0.61	0.11	GYRO	VAUHG N ENER			
11/6/2013	300.00	0.51	307.85	299.99	1.19	1.55	-1.23	0.11	GYRO	VAUHG N ENER			
11/6/2013	400.00	0.65	314.01	399.99	1.94	2.21	-1.99	0.15	GYRO	VAUHG N ENER			
11/6/2013	500.00	0.78	320.17	499.98	2.76	3.13	-2.83	0.15	GYRO	VAUHG N ENER			
11/6/2013	600.00	0.77	333.19	599.97	3.48	4.25	-3.57	0.18	GYRO	VAUHG N ENER			
11/6/2013	700.00	0.76	346.21	699.96	3.91	5.50	-4.03	0.17	GYRO	VAUHG N ENER			
11/6/2013	800.00	0.85	0.84	799.95	4.03	6.88	-4.18	0.22	GYRO	VAUHG N ENER			
11/6/2013	900.00	0.94	15.46	899.94	3.76	8.41	-3.95	0.24	GYRO	VAUHG N ENER			
11/6/2013	1,000.00	1.06	21.35	999.92	3.17	10.07	-3.39	0.16	GYRO	VAUHG N ENER			
11/6/2013	1,100.00	1.19	27.23	1,099.91	2.32	11.85	-2.58	0.17	GYRO	VAUHG N ENER			
11/6/2013	1,200.00	1.28	30.11	1,199.88	1.25	13.74	-1.55	0.11	GYRO	VAUHG N ENER			
11/6/2013	1,300.00	1.37	32.99	1,299.86	-0.01	15.71	-0.33	0.11	GYRO	VAUHG N ENER			
11/6/2013	1,400.00	1.47	35.67	1,399.82	-1.45	17.75	1.06	0.12	GYRO	VAUHG N ENER			
11/6/2013	1,500.00	1.58	38.34	1,499.79	-3.10	19.88	2.67	0.13	GYRO	VAUHG N ENER			
11/6/2013	1,600.00	2.00	43.72	1,599.74	-5.21	22.22	4.73	0.45	GYRO	VAUHG N ENER			
11/6/2013	1,700.00	2.42	49.09	1,699.67	-8.07	24.86	7.53	0.47	GYRO	VAUHG N ENER			
11/6/2013	1,800.00	2.93	51.73	1,799.56	-11.73	27.83	11.13	0.52	GYRO	VAUHG N ENER			
11/6/2013	1,900.00	3.44	54.38	1,899.40	-16.25	31.16	15.58	0.53	GYRO	VAUHG N ENER			
11/6/2013	2,000.00	2.94	54.81	1,999.25	-20.85	34.38	20.11	0.50	GYRO	VAUHG N ENER			
11/6/2013	2,100.00	2.44	55.24	2,099.14	-24.75	37.08	23.96	0.50	GYRO	VAUHG N ENER			
11/6/2013	2,200.00	2.22	46.66	2,199.05	-27.97	39.62	27.12	0.41	GYRO	VAUHG N ENER			
11/6/2013	2,300.00	2.01	38.08	2,298.99	-30.51	42.33	29.61	0.38	GYRO	VAUHG N ENER			
11/6/2013	2,400.00	1.95	38.20	2,398.93	-32.71	45.05	31.74	0.06	GYRO	VAUHG N ENER			
11/6/2013	2,500.00	1.89	38.32	2,498.87	-34.84	47.68	33.81	0.06	GYRO	VAUHG N ENER			
11/6/2013	2,600.00	1.88	36.69	2,598.82	-36.90	50.29	35.82	0.05	GYRO	VAUHG N ENER			
11/6/2013	2,700.00	1.86	35.07	2,698.76	-38.87	52.93	37.73	0.06	GYRO	VAUHG N ENER			
11/6/2013	2,800.00	1.88	47.08	2,798.71	-41.05	55.38	39.86	0.39	GYRO	VAUHG N ENER			
11/6/2013	2,900.00	1.90	59.09	2,898.66	-43.72	57.34	42.49	0.40	GYRO	VAUHG N ENER			
11/6/2013	3,000.00	1.81	61.27	2,998.60	-46.56	58.95	45.29	0.11	GYRO	VAUHG N ENER			
11/6/2013	3,100.00	1.72	63.45	3,098.56	-49.32	60.38	48.02	0.11	GYRO	VAUHG N ENER			
11/6/2013	3,200.00	1.37	49.99	3,198.52	-51.60	61.82	50.28	0.50	GYRO	VAUHG N ENER			
11/6/2013	3,300.00	1.02	36.53	3,298.50	-53.08	63.31	51.72	0.45	GYRO	VAUHG N ENER			
11/6/2013	3,400.00	0.95	35.90	3,398.48	-54.13	64.69	52.74	0.07	GYRO	VAUHG N ENER			
11/6/2013	3,500.00	0.87	35.28	3,498.47	-55.08	65.99	53.66	0.08	GYRO	VAUHG N ENER			
11/6/2013	3,600.00	0.84	22.51	3,598.46	-55.83	67.28	54.38	0.19	GYRO	VAUHG N ENER			
11/6/2013	3,700.00	0.81	9.74	3,698.45	-56.26	68.66	54.78	0.19	GYRO	VAUHG N ENER			
11/6/2013	3,800.00	0.71	3.97	3,798.44	-56.45	69.97	54.95	0.13	GYRO	VAUHG N ENER			
11/6/2013	3,900.00	0.61	358.20	3,898.43	-56.50	71.12	54.97	0.12	GYRO	VAUHG N ENER			
11/6/2013	4,000.00	0.65	357.59	3,998.43	-56.48	72.22	54.93	0.04	GYRO	VAUHG N ENER			
11/6/2013	4,100.00	0.69	356.98	4,098.42	-56.45	73.39	54.88	0.04	GYRO	VAUHG N ENER			
11/6/2013	4,200.00	0.72	356.48	4,198.41	-56.41	74.62	54.81	0.03	GYRO	VAUHG N ENER			
11/6/2013	4,300.00	0.75	355.99	4,298.40	-56.35	75.90	54.72	0.03	GYRO	VAUHG N ENER			
11/6/2013	4,400.00	0.70	359.55	4,398.40	-56.33	77.16	54.67	0.07	GYRO	VAUHG N ENER			
11/6/2013	4,500.00	0.65	3.12	4,498.39	-56.38	78.34	54.70	0.07	GYRO	VAUHG N ENER			
11/6/2013	4,600.00	0.77	352.01	4,598.38	-56.34	79.57	54.63	0.18	GYRO	VAUHG N ENER			
11/6/2013	4,700.00	0.76	0.03	4,698.37	-56.28	80.90	54.54	0.11	GYRO	VAUHG N ENER			
11/6/2013	4,800.00	0.84	19.53	4,798.36	-56.55	82.25	54.79	0.28	GYRO	VAUHG N ENER			
11/6/2013	4,900.00	1.13	56.65	4,898.35	-57.65	83.48	55.86	0.68	GYRO	VAUHG N ENER			
11/6/2013	5,000.00	1.52	62.39	4,998.32	-59.67	84.64	57.85	0.41	GYRO	VAUHG N ENER			
11/6/2013	5,100.00	1.71	63.50	5,098.28	-62.21	85.92	60.37	0.19	GYRO	VAUHG N ENER			
11/6/2013	5,200.00	1.67	69.43	5,198.24	-64.93	87.10	63.06	0.18	GYRO	VAUHG N ENER			
11/6/2013	5,300.00	1.96	70.88	5,298.19	-67.94	88.17	66.04	0.29	GYRO	VAUHG N ENER			
11/6/2013	5,400.00	2.13	71.04	5,398.13	-71.34	89.34	69.42	0.17	GYRO	VAUHG N ENER			
11/6/2013	5,500.00	2.20	69.62	5,498.05	-74.92	90.61	72.97	0.09	GYRO	VAUHG N ENER			
11/6/2013	5,600.00	1.90	68.01	5,597.99	-78.28	91.90	76.31	0.31	GYRO	VAUHG N ENER			
11/6/2013	5,700.00	1.91	64.39	5,697.94	-81.35	93.24	79.35	0.12	GYRO	VAUHG N ENER			
11/6/2013	5,800.00	2.04	58.38	5,797.88	-84.40	94.89	82.37	0.24	GYRO	VAUHG N ENER			
11/6/2013	5,900.00	2.95	63.31	5,897.78	-88.26	96.98	86.18	0.93	GYRO	VAUHG N ENER			
11/6/2013	6,000.00	3.33	57.41	5,997.63	-93.07	99.70	90.93	0.50	GYRO	VAUHG N ENER			
11/6/2013	6,100.00	2.65	68.26	6,097.49	-97.71	102.12	95.52	0.88	GYRO	VAUHG N ENER			
11/6/2013	6,200.00	1.92	64.99	6,197.41	-101.41	103.69	99.19	0.74	GYRO	VAUHG N ENER			
11/6/2013	6,300.00	1.72	52.25	6,297.36	-104.15	105.31	101.90	0.45	GYRO	VAUHG N ENER			
11/6/2013	6,400.00	1.62	5.20	6,397.33	-105.52	107.64	103.21	1.34	GYRO	VAUHG N ENER			

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DELAWARE BASIN	NORTHWEST CORE	HACKBERRY			EDDY	NM				
Surface Legal Location	APN/MI	Latitude (°)	Longitude (°)	Orig KB Elevation (ft)	Ground Elev MSL (ft)	KB - GL (ft)				
SEC29 T18S R31E	3001541525	32° 42' 46.61" N	103° 53' 59.011" W	3,602.40	3,576.20	26.20				
Survey Data										
Date	MD (ft/KB)	Ind (°)	Azm (°)	TVD (ft/KB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
11/6/2013	6,500.00	1.76	4.44	6,497.28	-105.83	110.58	103.46	0.14	GYRO	VAUHG N ENER...
11/6/2013	6,600.00	1.94	350.05	6,597.23	-105.72	113.78	103.28	0.50	GYRO	VAUHG N ENER...
11/6/2013	6,700.00	2.04	351.86	6,697.17	-105.25	117.21	102.74	0.12	GYRO	VAUHG N ENER...
11/6/2013	6,800.00	1.91	348.71	6,797.11	-104.75	120.60	102.16	0.17	GYRO	VAUHG N ENER...
11/6/2013	6,900.00	2.16	333.23	6,897.05	-103.64	123.92	100.99	0.60	GYRO	VAUHG N ENER...
11/6/2013	7,000.00	1.79	349.59	6,996.99	-102.58	127.14	99.85	0.67	GYRO	VAUHG N ENER...
11/6/2013	7,100.00	0.99	4.12	7,096.96	-102.41	129.54	99.63	0.87	GYRO	VAUHG N ENER...
11/6/2013	7,200.00	0.58	319.21	7,196.95	-102.17	130.78	99.37	0.71	GYRO	VAUHG N ENER...
11/6/2013	7,300.00	0.57	334.63	7,296.95	-101.65	131.61	98.82	0.15	GYRO	VAUHG N ENER...
11/6/2013	7,400.00	0.85	18.97	7,396.94	-101.70	132.76	98.85	0.60	GYRO	VAUHG N ENER...
11/6/2013	7,500.00	0.64	16.28	7,496.93	-102.12	134.00	99.25	0.21	GYRO	VAUHG N ENER...
11/6/2013	7,600.00	0.95	44.11	7,596.92	-102.88	135.13	99.98	0.49	GYRO	VAUHG N ENER...
11/6/2013	7,700.00	1.87	44.07	7,696.89	-104.63	136.90	101.69	0.92	GYRO	VAUHG N ENER...
11/6/2013	7,800.00	1.63	44.93	7,796.84	-106.82	139.08	103.83	0.24	GYRO	VAUHG N ENER...
11/6/2013	7,900.00	1.70	48.37	7,896.80	-108.97	141.07	105.95	0.12	GYRO	VAUHG N ENER...
11/6/2013	8,000.00	1.57	38.02	7,996.76	-110.97	143.14	107.90	0.32	GYRO	VAUHG N ENER...
11/6/2013	8,100.00	1.87	28.90	8,096.72	-112.66	145.64	109.53	0.41	GYRO	VAUHG N ENER...
11/6/2013	8,124.00	2.05	24.48	8,120.70	-113.04	146.38	109.90	0.98	GYRO	VAUHG N ENER...
11/7/2013	8,172.00	2.11	33.97	8,168.67	-113.92	147.89	110.75	0.73	MWD	PATHFINDER E...
11/7/2013	8,196.00	2.37	28.31	8,192.65	-114.42	148.69	111.23	1.42	MWD	PATHFINDER E...
11/7/2013	8,227.00	2.02	20.82	8,223.63	-114.94	149.77	111.73	1.46	MWD	PATHFINDER E...
11/7/2013	8,259.00	0.97	354.39	8,255.82	-115.13	150.57	111.90	3.84	MWD	PATHFINDER E...
11/7/2013	8,290.00	2.81	248.34	8,286.81	-114.40	150.55	111.17	10.37	MWD	PATHFINDER E...
11/7/2013	8,322.00	5.80	242.56	8,318.51	-112.21	149.51	109.00	9.43	MWD	PATHFINDER E...
11/7/2013	8,353.00	8.35	244.67	8,349.27	-108.75	147.83	105.58	8.27	MWD	PATHFINDER E...
11/7/2013	8,385.00	11.17	245.21	8,380.81	-103.79	145.53	100.66	8.82	MWD	PATHFINDER E...
11/7/2013	8,416.00	13.98	247.36	8,411.06	-97.55	142.83	94.48	9.19	MWD	PATHFINDER E...
11/7/2013	8,448.00	16.53	246.90	8,441.93	-89.73	139.56	86.73	7.98	MWD	PATHFINDER E...
11/7/2013	8,479.00	18.64	245.10	8,471.48	-81.09	135.74	78.17	7.03	MWD	PATHFINDER E...
11/7/2013	8,511.00	20.75	244.44	8,501.61	-71.24	131.14	68.42	6.63	MWD	PATHFINDER E...
11/7/2013	8,542.00	23.39	244.19	8,530.33	-60.64	126.09	57.93	8.52	MWD	PATHFINDER E...
11/7/2013	8,574.00	26.84	245.87	8,559.33	-48.25	120.39	45.66	10.40	MWD	PATHFINDER E...
11/7/2013	8,605.00	29.90	246.17	8,586.63	-34.71	114.43	32.24	10.53	MWD	PATHFINDER E...
11/7/2013	8,637.00	32.54	246.22	8,613.99	-19.40	107.73	17.07	8.25	MWD	PATHFINDER E...
11/7/2013	8,668.00	35.61	246.22	8,639.66	-3.36	100.73	1.18	9.90	MWD	PATHFINDER E...
11/7/2013	8,700.00	38.87	246.33	8,665.14	14.54	92.94	-16.55	10.19	MWD	PATHFINDER E...
11/9/2013	8,731.00	41.06	246.48	8,688.89	32.95	84.97	-34.80	7.07	MWD	PATHFINDER E...
11/9/2013	8,763.00	42.91	246.91	8,712.68	52.79	76.51	-54.46	5.85	MWD	PATHFINDER E...
11/9/2013	8,794.00	45.73	246.67	8,734.86	72.87	67.97	-74.36	9.11	MWD	PATHFINDER E...
11/9/2013	8,826.00	49.95	245.84	8,756.33	94.78	58.42	-96.06	13.33	MWD	PATHFINDER E...
11/9/2013	8,857.00	56.01	245.16	8,774.99	117.50	48.15	-118.57	19.63	MWD	PATHFINDER E...
11/9/2013	8,889.00	61.38	244.87	8,791.61	142.52	36.60	-143.35	16.80	MWD	PATHFINDER E...
11/9/2013	8,920.00	66.48	245.58	8,805.23	168.04	24.94	-168.62	16.58	MWD	PATHFINDER E...
11/9/2013	8,952.00	72.37	245.98	8,816.47	195.61	12.66	-195.93	18.44	MWD	PATHFINDER E...
11/9/2013	8,983.00	77.38	244.94	8,824.55	223.09	0.23	-223.15	16.48	MWD	PATHFINDER E...
11/9/2013	9,015.00	82.39	244.49	8,830.17	251.85	-13.22	-251.62	15.72	MWD	PATHFINDER E...
11/12/2013	9,033.00	85.21	244.45	8,832.12	268.16	-20.93	-267.77	15.67	MWD	PATHFINDER E...
11/12/2013	9,064.00	88.99	244.90	8,833.68	296.42	-34.17	-295.75	12.28	MWD	PATHFINDER E...
11/12/2013	9,127.00	90.13	247.59	8,834.17	354.61	-59.55	-353.40	4.64	MWD	PATHFINDER E...
11/12/2013	9,222.00	93.39	250.81	8,831.25	444.06	-93.26	-442.14	4.82	MWD	PATHFINDER E...
11/12/2013	9,316.00	93.03	255.18	8,825.98	534.36	-120.70	-531.87	4.66	MWD	PATHFINDER E...
11/12/2013	9,411.00	89.78	258.54	8,823.65	627.26	-142.28	-624.33	4.92	MWD	PATHFINDER E...
11/12/2013	9,505.00	89.52	261.98	8,824.23	720.21	-158.18	-716.96	3.67	MWD	PATHFINDER E...
11/12/2013	9,600.00	90.04	263.77	8,824.59	814.71	-169.96	-811.22	1.96	MWD	PATHFINDER E...
11/12/2013	9,694.00	90.22	264.62	8,824.38	908.41	-179.47	-904.74	0.92	MWD	PATHFINDER E...
11/12/2013	9,789.00	90.40	266.64	8,823.87	1,003.26	-186.71	-999.45	2.13	MWD	PATHFINDER E...
11/12/2013	9,883.00	89.52	268.64	8,823.93	1,097.24	-190.58	-1,093.37	2.32	MWD	PATHFINDER E...
11/12/2013	9,978.00	90.22	268.78	8,824.15	1,192.24	-192.72	-1,188.34	0.75	MWD	PATHFINDER E...
11/12/2013	10,072.00	90.04	268.40	8,823.93	1,286.24	-195.03	-1,282.32	0.45	MWD	PATHFINDER E...
11/12/2013	10,166.00	90.84	268.49	8,823.21	1,380.23	-197.58	-1,376.28	0.86	MWD	PATHFINDER E...
11/12/2013	10,261.00	91.89	267.11	8,820.95	1,475.19	-201.23	-1,471.18	1.82	MWD	PATHFINDER E...
11/12/2013	10,356.00	91.54	266.39	8,818.10	1,570.08	-206.81	-1,565.98	0.84	MWD	PATHFINDER E...
11/12/2013	10,450.00	91.98	267.19	8,815.22	1,663.98	-211.87	-1,659.79	0.97	MWD	PATHFINDER E...
11/12/2013	10,545.00	91.89	267.81	8,812.01	1,758.91	-216.01	-1,754.64	0.66	MWD	PATHFINDER E...
11/12/2013	10,639.00	90.92	267.41	8,809.71	1,852.86	-219.93	-1,848.53	1.12	MWD	PATHFINDER E...
11/12/2013	10,733.00	89.96	266.90	8,808.98	1,946.82	-224.60	-1,942.41	1.16	MWD	PATHFINDER E...
11/12/2013	10,828.00	89.87	267.89	8,809.12	2,041.79	-228.92	-2,037.31	1.05	MWD	PATHFINDER E...
11/12/2013	10,922.00	90.31	268.91	8,808.98	2,135.79	-231.54	-2,131.27	1.18	MWD	PATHFINDER E...
11/12/2013	11,017.00	90.57	269.21	8,808.25	2,230.78	-233.10	-2,226.26	0.42	MWD	PATHFINDER E...
11/12/2013	11,112.00	90.48	269.80	8,807.38	2,325.77	-233.92	-2,321.25	0.63	MWD	PATHFINDER E...
11/12/2013	11,206.00	91.01	268.83	8,806.15	2,419.75	-235.04	-2,415.23	1.18	MWD	PATHFINDER E...
11/12/2013	11,301.00	92.24	267.62	8,803.46	2,514.71	-237.98	-2,510.15	1.82	MWD	PATHFINDER E...
11/12/2013	11,395.00	92.07	268.21	8,799.93	2,608.63	-241.40	-2,604.02	0.65	MWD	PATHFINDER E...

Well Name: SHAULA 30 FED COM 4H

Sub-Division	DELAWARE BASIN			Region	NORTHWEST CORE		Field Name	HACKBERRY		County	EDDY		State/Province	NM								
Surface Legal Location		SEC29 T18S R31E			APN/AN	3001541525		Latitude (°)	32° 42' 46.61" N		Longitude (°)	103° 53' 59.011" W		Orig KB Elevation (ft)	3,602.40		Ground Elev MSL (ft)	3,576.20		KB - GL (ft)	26.20	
Survey Data																						
Date	MD (ftKB)	Ind (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (ft/100ft)	Survey Tool	Survey Company												
11/12/2013	11,489.00	91.01	268.47	8,797.40	2,702.59	-244.12	-2,697.94	1.16	MWD	PATHFINDER E...												
11/12/2013	11,584.00	90.92	268.51	8,795.80	2,797.58	-246.63	-2,792.90	0.10	MWD	PATHFINDER E...												
11/12/2013	11,584.00	90.92	268.51	8,795.80	2,797.58	-246.63	-2,792.90	0.10	MWD	PATHFINDER E...												
11/12/2013	11,678.00	90.92	268.13	8,794.29	2,891.56	-249.38	-2,886.84	0.40	MWD	PATHFINDER E...												
11/12/2013	11,773.00	90.66	268.94	8,792.98	2,986.55	-251.81	-2,981.80	0.90	MWD	PATHFINDER E...												
11/12/2013	11,868.00	90.84	269.35	8,791.74	3,081.54	-253.23	-3,076.78	0.47	MWD	PATHFINDER E...												
11/12/2013	11,962.00	89.96	269.29	8,791.08	3,175.54	-254.34	-3,170.77	0.94	MWD	PATHFINDER E...												
11/12/2013	12,057.00	90.48	269.68	8,790.72	3,270.53	-255.20	-3,265.77	0.68	MWD	PATHFINDER E...												
11/12/2013	12,151.00	91.10	271.24	8,789.42	3,364.47	-254.44	-3,359.75	1.79	MWD	PATHFINDER E...												
11/12/2013	12,246.00	91.63	269.68	8,787.16	3,459.40	-253.68	-3,454.72	1.73	MWD	PATHFINDER E...												
11/12/2013	12,340.00	91.45	269.28	8,784.63	3,553.36	-254.53	-3,548.68	0.47	MWD	PATHFINDER E...												
11/12/2013	12,434.00	90.92	269.31	8,782.69	3,647.33	-255.69	-3,642.65	0.56	MWD	PATHFINDER E...												
11/12/2013	12,529.00	90.31	268.69	8,781.67	3,742.33	-257.35	-3,737.63	0.92	MWD	PATHFINDER E...												
11/12/2013	12,623.00	89.78	268.27	8,781.59	3,836.33	-259.84	-3,831.60	0.72	MWD	PATHFINDER E...												
11/12/2013	12,717.00	91.36	268.81	8,780.66	3,930.32	-262.24	-3,925.56	1.78	MWD	PATHFINDER E...												
11/12/2013	12,812.00	91.36	267.78	8,778.40	4,025.29	-265.06	-4,020.49	1.08	MWD	PATHFINDER E...												
11/12/2013	12,906.00	91.19	269.45	8,776.31	4,119.26	-267.33	-4,114.44	1.79	MWD	PATHFINDER E...												
11/12/2013	13,001.00	90.22	269.93	8,775.14	4,214.24	-267.85	-4,209.43	1.14	MWD	PATHFINDER E...												
11/12/2013	13,095.00	91.54	270.64	8,773.70	4,308.19	-267.38	-4,303.41	1.59	MWD	PATHFINDER E...												
11/12/2013	13,190.00	92.77	270.16	8,770.13	4,403.08	-266.72	-4,398.34	1.39	MWD	PATHFINDER E...												
11/12/2013	13,284.00	91.45	270.00	8,766.67	4,496.99	-266.59	-4,492.27	1.41	MWD	PATHFINDER E...												
11/12/2013	13,473.00	91.10	268.80	8,762.46	4,685.93	-268.56	-4,681.21	0.66	MWD	PATHFINDER E...												
11/12/2013	13,568.00	92.51	267.59	8,759.47	4,780.87	-271.55	-4,776.12	1.96	MWD	PATHFINDER E...												
11/12/2013	13,726.00	92.42	267.65	8,752.67	4,938.70	-278.11	-4,933.83	0.07	BIT	PATHFINDER E...												