



Weatherford

Evaluation, Drilling & Intervention
10000 West County Rd. 116
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Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
333 W. Sheridan Ave
Oklahoma City, OK, 73102

Date: September 28, 2015

Attention: Garrett Glaze

30-015-43276

Re: Devon Energy
Well: Hadar 10 Fed Com 21H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Justin Nguyen MWD Supervisor	21H	7952 MD 13815 MD	9/15/2015 9/22/2015	Measurement While Drilling

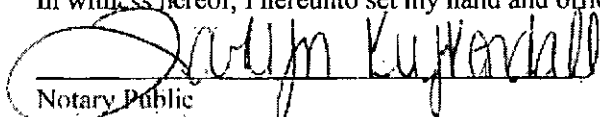
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

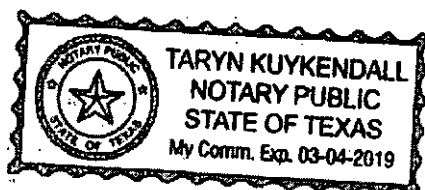
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Jonathan Leger
MWD Ops Coordinator

On this, the 3rd day of October, 2015, before me a notary public, the undersigned officer, personally appeared Jonathan Leger, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.


Notary Public



5D Survey Report**Devon Energy**

Field Name: *Eddy Co, NM (Nad 83 NME)*
Site Name: *Hadar 10 Fed Com 21H.Mizar 11 Fed Com 21H Pad*
Well Name: *Hadar 10 Fed Com 21H*
Survey: *Definitive survey*

22 September 2015





Weatherford

Hadar 10 Fed Com 21H

Field Name:	Map Units: US ft	Company Name: Devon Energy	
	Vertical Reference Datum (VRD): Mean Sea Level		
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)		
Eddy Co, NM (Nad 83 NME)	Comment:		

Site:	Units: US ft	North Reference: Grid	Convergence Angle: 0.26
Hadar 10 Fed Com 21H, Mizar 11 Fed Com 21H Pad	Position:		Latitude: 32° 40' 42.50"
			Longitude: -103° 50' 53.60"
			Elevation above MSL: 3587.00 US ft
Comment:			

Slot:	Position (Relative to Site Centre)		
Hadar 10 Fed Com 21H	+N/-S: 0.00US ft	Northing: 610900.08US ft	Latitude: 32° 40' 42.50"
	+E/-W: 0.00US ft	Easting: 690599.42US ft	Longitude: -103° 50' 53.60"
	Slot TVD Reference: Ground Elevation		
Elevation above MSL: 3587.00US ft			
Comment:			

Well:	Type: Main well	UWI:	
Hadar 10 Fed Com 21H	File Number:	Comment:	
	Closure Distance: 5116.29US ft	Closure Azimuth: 269.49°	
	Vertical Section: Position of Origin (Relative to Slot centre)		
	+N/-S: 0.00US ft	+E/-W: 0.00US ft	Az: 269.69°

Drill floor:	Survey Name: Definitive Survey
Rig Height (Kelly Bushing): 25.00us ft	Elevation above MSL: 3612.00us ft
Inclination: 0.00°	Azimuth: 0.00°

Survey Name: Definitive Survey				
Date: 16/Jan/2015	Survey Tool: See Survey	Comment:	Company:	
<i>Tool Ranges below.</i>				

Magnetic Model:				
Model Name: BGGM	Date: 05/Sep/2015	Field Strength: 48466.0nT	Declination: 7.40°	Dip: 60.50°

File Point:				
MD: 0.00 US ft	Inclination: 0.00°	Azimuth: 0.00°	TVD: 0.00 US ft	North Offset: 0.00 US ft
			East Offset: 0.00 US ft	

Survey Tool Ranges:			
Name	Start MD(USft)	End MD(USft)	Source Survey
MWD	0.00	7897.00	Tdrift
MWD	7897.00	13887.00	Wit MWD Svy

5D Survey Report

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Incl (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	610900.08	690599.42	
157.00	0.80	222.00	156.99	-0.81	-0.73	0.74	0.51	610899.27	690598.69	
217.00	0.90	242.00	216.99	-1.35	-1.43	1.44	0.52	610898.73	690597.99	
371.00	0.70	216.00	370.97	-2.68	-3.05	3.07	0.27	610897.40	690596.37	
431.00	0.80	243.00	430.97	-3.16	-3.64	3.66	0.61	610896.92	690595.78	
553.00	0.80	219.00	552.96	-4.21	-4.93	4.96	0.27	610895.87	690594.49	
646.00	0.50	231.00	645.95	-4.97	-5.66	5.68	0.35	610895.11	690593.76	
738.00	0.40	292.00	737.95	-5.10	-6.27	6.30	0.51	610894.98	690593.15	
888.00	0.20	230.00	887.95	-5.08	-6.95	6.98	0.24	610895.00	690592.47	
980.00	0.10	242.00	979.95	-5.22	-7.15	7.18	0.11	610894.86	690592.77	
1072.00	0.10	210.00	1071.95	-5.32	-7.26	7.29	0.06	610894.76	690592.16	
1164.00	0.10	199.00	1163.95	-5.47	-7.32	7.35	0.02	610894.61	690592.10	
1257.00	0.30	179.00	1256.95	-5.79	-7.35	7.38	0.22	610894.29	690592.07	
1349.00	0.10	177.00	1348.95	-6.11	-7.34	7.37	0.22	610893.97	690592.08	
1441.00	0.20	111.00	1440.95	-6.25	-7.18	7.22	0.20	610893.83	690592.24	
1536.00	0.30	83.00	1535.94	-6.28	-6.78	6.82	0.16	610893.80	690592.64	
1630.00	0.60	61.00	1629.94	-6.01	-6.11	6.14	0.36	610894.07	690593.31	
1725.00	0.80	52.00	1724.93	-5.36	-5.15	5.18	0.24	610894.72	690594.27	
1820.00	1.30	59.00	1819.92	-4.40	-3.70	3.73	0.54	610895.68	690595.72	
1916.00	1.40	55.00	1915.89	-3.16	-1.81	1.83	0.14	610896.92	690597.61	
2011.00	1.60	52.00	2010.86	-1.68	0.19	-0.18	0.23	610898.40	690599.61	
2106.00	1.50	54.00	2105.82	-0.13	2.24	-2.24	0.12	610899.95	690601.66	
2200.00	1.30	53.00	2199.80	1.23	4.08	-4.09	0.21	610901.31	690603.50	
2296.00	1.50	46.00	2295.77	2.76	5.86	-5.87	0.27	610902.84	690605.28	
2391.00	1.30	61.00	2390.74	4.15	7.69	-7.72	0.44	610904.23	690607.11	
2486.00	0.80	42.00	2485.72	5.16	9.08	-9.11	0.63	610905.24	690608.50	
2582.00	0.70	69.00	2581.72	5.87	10.08	-10.11	0.38	610905.95	690609.50	
2677.00	0.70	73.00	2676.71	6.25	11.17	-11.21	0.05	610906.33	690610.59	
2772.00	0.40	82.00	2771.70	6.46	12.06	-12.09	0.33	610906.54	690611.48	
2868.00	0.30	86.00	2867.70	6.53	12.64	-12.67	0.11	610906.61	690612.06	
2962.00	0.40	43.00	2961.70	6.79	13.11	-13.14	0.29	610906.87	690612.53	
3057.00	0.30	14.00	3056.70	7.27	13.39	-13.43	0.21	610907.35	690612.81	
3151.00	0.30	354.00	3150.70	7.75	13.43	-13.47	0.11	610907.83	690612.85	
3246.00	0.20	79.00	3245.70	8.03	13.57	-13.61	0.36	610908.11	690612.99	
3342.00	0.10	92.00	3341.70	8.06	13.81	-13.86	0.11	610908.14	690613.23	
3436.00	0.10	75.00	3435.70	8.08	13.97	-14.02	0.03	610908.16	690613.39	
3531.00	0.30	63.00	3530.70	8.21	14.28	-14.32	0.21	610908.29	690613.70	
3626.00	0.20	61.00	3625.69	8.41	14.64	-14.69	0.11	610908.49	690614.06	
3721.00	0.50	36.00	3720.69	8.82	15.03	-15.08	0.35	610908.90	690614.45	
3817.00	0.20	5.00	3816.69	9.33	15.29	-15.34	0.36	610909.41	690614.71	
3911.00	0.10	97.00	3910.69	9.48	15.39	-15.44	0.24	610909.56	690614.81	
4006.00	0.30	8.00	4005.69	9.72	15.50	-15.56	0.33	610909.80	690614.92	
4101.00	0.30	24.00	4100.69	10.19	15.64	-15.70	0.09	610910.27	690615.06	
4197.00	0.30	54.00	4196.69	10.57	15.95	-16.00	0.16	610910.65	690615.37	
4293.00	0.00	0.00	4292.69	10.72	16.15	-16.21	0.31	610910.80	690615.57	
4388.00	0.30	359.00	4387.69	10.96	16.15	-16.20	0.32	610911.04	690615.57	
4482.00	0.20	338.00	4481.69	11.36	16.08	-16.14	0.14	610911.44	690615.50	
4620.00	0.60	3.00	4619.68	12.31	16.03	-16.09	0.31	610912.39	690615.45	
4715.00	1.10	2.00	4714.67	13.72	16.08	-16.16	0.53	610913.80	690615.50	
4811.00	1.30	348.00	4810.65	15.70	15.89	-15.98	0.37	610915.78	690615.31	
4906.00	1.10	340.00	4905.63	17.61	15.35	-15.45	0.27	610917.69	690614.77	
5002.00	1.40	348.00	5001.61	19.63	14.80	-14.90	0.36	610919.71	690614.22	
5097.00	1.20	334.00	5096.58	21.66	14.12	-14.24	0.39	610921.74	690613.54	
5191.00	1.40	354.00	5190.56	23.68	13.57	-13.69	0.52	610923.76	690612.99	
5285.00	1.60	350.00	5284.53	26.12	13.22	-13.36	0.24	610926.20	690612.64	
5381.00	1.50	355.00	5380.49	28.69	12.88	-13.03	0.18	610928.77	690612.30	
5476.00	1.20	355.00	5475.47	30.92	12.68	-12.85	0.32	610931.00	690612.10	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100US ft)	Northing (US ft)	Easting (US ft)	Comment
5571.00	1.40	353.00	5570.44	33.06	12.45	-12.63	0.22	610933.14	690611.87	
5665.00	1.50	335.00	5664.41	35.32	11.79	-11.98	0.49	610935.40	690611.21	
5759.00	1.20	352.00	5758.39	37.41	11.14	-11.34	0.53	610937.49	690610.56	
5854.00	1.20	354.00	5853.36	39.38	10.89	-11.11	0.04	610939.46	690610.31	
5950.00	1.50	340.00	5949.34	41.56	10.36	-10.58	0.46	610941.64	690609.78	
6045.00	1.50	342.00	6044.31	43.91	9.55	-9.79	0.06	610943.99	690608.97	
6138.00	1.10	340.00	6137.28	45.91	8.87	-9.12	0.43	610945.99	690608.29	
6233.00	1.50	336.00	6232.26	47.90	8.05	-8.31	0.43	610947.98	690607.47	
6328.00	1.10	340.00	6327.23	49.89	7.23	-7.50	0.43	610949.97	690606.65	
6424.00	1.70	345.00	6423.20	52.13	6.55	-6.83	0.64	610952.21	690605.97	
6519.00	1.20	354.00	6518.17	54.48	6.08	-6.38	0.58	610954.56	690605.50	
6614.00	1.20	348.00	6613.15	56.45	5.77	-6.08	0.13	610956.53	690605.19	
6709.00	1.80	356.00	6708.12	58.91	5.46	-5.78	0.67	610958.99	690604.88	
6803.00	1.60	351.00	6802.08	61.68	5.15	-5.48	0.26	610961.76	690604.57	
6899.00	2.00	351.00	6898.03	64.66	4.68	-5.03	0.42	610964.74	690604.10	
6994.00	2.20	352.00	6992.97	68.10	4.17	-4.53	0.21	610968.18	690603.59	
7089.00	2.10	348.00	7087.90	71.61	3.55	-3.94	0.19	610971.69	690602.97	
7184.00	2.10	348.00	7182.84	75.01	2.83	-3.23	0.00	610975.09	690602.25	
7279.00	1.70	352.00	7277.78	78.11	2.27	-2.69	0.44	610978.19	690601.69	
7374.00	1.90	310.00	7372.74	80.52	0.87	-1.30	1.37	610980.60	690600.29	
7470.00	2.00	301.00	7468.68	82.40	-1.79	1.34	0.34	610982.48	690597.63	
7565.00	1.80	295.00	7563.63	83.89	-4.56	4.11	0.30	610983.97	690594.86	
7660.00	1.70	314.00	7658.59	85.50	-6.93	6.47	0.62	610985.58	690592.49	
7755.00	1.30	318.00	7753.56	87.28	-8.66	8.19	0.43	610987.36	690590.76	
7851.00	1.80	295.00	7849.52	88.72	-10.76	10.28	0.82	610988.80	690588.66	
7897.00	1.70	283.00	7895.50	89.18	-12.08	11.59	0.82	610989.26	690587.34	Tie-on Rig
7952.00	1.96	261.44	7950.47	89.23	-13.80	13.32	1.33	610989.31	690585.62	First Wrt Svy
8046.00	0.66	233.07	8044.45	88.66	-15.83	15.35	1.50	610988.74	690583.59	
8141.00	0.75	222.05	8139.44	87.87	-16.68	16.20	0.17	610987.95	690582.74	
8236.00	0.78	216.42	8234.43	86.89	-17.48	17.01	0.09	610986.97	690581.94	
8332.00	0.84	222.78	8330.42	85.85	-18.35	17.88	0.11	610985.93	690581.07	
8427.00	1.69	237.79	8425.40	84.59	-20.00	19.55	0.95	610984.67	690579.42	
8459.00	4.28	236.05	8457.35	83.67	-21.39	20.94	8.10	610983.75	690578.03	
8491.00	7.29	240.55	8489.19	82.00	-24.15	23.71	9.51	610982.08	690575.27	
8523.00	9.96	243.61	8520.82	79.78	-28.40	27.97	8.46	610979.86	690571.02	
8554.00	12.79	245.34	8551.21	77.15	-33.92	33.50	9.19	610977.23	690565.50	
8586.00	16.11	246.66	8582.19	73.91	-41.22	40.82	10.43	610973.99	690558.20	
8618.00	19.49	248.54	8612.66	70.20	-50.27	49.89	10.71	610970.28	690549.15	
8649.00	22.51	250.15	8641.59	66.29	-60.66	60.30	9.92	610966.37	690538.76	
8682.00	25.65	251.59	8671.72	61.89	-73.38	73.05	9.68	610961.97	690526.04	
8713.00	28.31	252.19	8699.34	57.52	-86.75	86.44	8.63	610957.60	690512.67	
8745.00	31.10	253.03	8727.13	52.79	-101.88	101.60	8.82	610952.87	690497.54	
8777.00	34.15	253.65	8754.08	47.85	-118.41	118.15	9.59	610947.93	690481.01	
8809.00	37.06	254.21	8780.10	42.69	-136.31	136.08	9.15	610942.77	690463.11	
8840.00	40.11	254.55	8804.33	37.49	-154.93	154.73	9.86	610937.57	690444.49	
8872.00	43.01	254.34	8828.27	31.80	-175.38	175.20	9.07	610931.88	690424.04	
8903.00	45.66	254.46	8850.44	25.97	-196.24	196.10	8.55	610926.05	690403.18	
8935.00	47.25	255.91	8872.49	20.05	-218.67	218.55	5.96	610920.13	690380.75	
8967.00	48.31	257.37	8893.99	14.57	-241.72	241.64	4.73	610914.65	690357.70	
8998.00	50.17	259.52	8914.23	9.88	-264.73	264.67	7.97	610909.96	690334.69	
9030.00	52.47	260.86	8934.23	5.63	-289.34	289.30	7.90	610905.71	690310.08	
9062.00	55.14	262.11	8953.12	1.81	-314.88	314.86	8.92	610901.89	690284.54	
9094.00	58.69	263.41	8970.59	-1.57	-341.47	341.47	11.60	610898.51	690257.95	
9126.00	62.28	264.97	8986.35	-4.38	-369.17	369.19	11.99	610895.70	690230.25	
9158.00	64.91	266.56	9000.58	-6.49	-397.75	397.78	9.35	610893.59	690201.67	
9190.00	68.20	268.08	9013.31	-7.86	-427.07	427.11	11.17	610892.22	690172.35	
9221.00	70.68	268.48	9024.20	-8.73	-456.08	456.12	8.09	610891.35	690143.34	
9253.00	73.97	269.04	9033.91	-9.38	-486.56	486.60	10.42	610890.70	690112.86	
9285.00	77.74	270.14	9041.73	-9.60	-517.58	517.62	12.24	610890.48	690081.84	

SD Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
9307.00	80.36	270.95	9045.91	-9.40	-539.18	539.22	12.45	610890.68	690060.24	
9392.00	85.86	272.75	9056.11	-6.67	-623.48	623.51	6.80	610893.41	689975.94	
9487.00	87.55	272.85	9061.57	-2.03	-718.21	718.21	1.78	610898.05	689881.21	
9583.00	90.91	272.32	9062.86	2.29	-814.09	814.06	3.54	610902.37	689785.33	
9677.00	91.26	272.73	9061.08	6.43	-907.98	907.93	0.57	610906.51	689691.44	
9772.00	90.07	272.99	9059.97	11.17	-1002.85	1002.78	1.28	610911.25	689596.57	
9868.00	88.60	270.53	9061.09	14.12	-1098.79	1098.70	2.98	610914.20	689500.63	
9963.00	87.90	270.77	9063.99	15.20	-1193.74	1193.64	0.78	610915.28	689405.68	
10059.00	90.70	270.25	9065.16	16.05	-1289.72	1289.61	2.97	610916.13	689309.70	
10153.00	91.54	268.69	9063.32	15.18	-1383.69	1383.59	1.88	610915.26	689215.73	
10249.00	90.42	268.87	9061.68	13.14	-1479.66	1479.56	1.18	610913.22	689119.76	
10344.00	91.26	269.22	9060.29	11.56	-1574.63	1574.55	0.96	610911.64	689024.79	
10440.00	91.26	267.61	9058.18	8.90	-1670.57	1670.50	1.68	610908.98	688928.85	
10535.00	90.00	267.75	9057.13	5.06	-1765.48	1765.43	1.33	610905.14	688833.94	
10630.00	91.47	267.82	9055.91	1.39	-1860.40	1860.37	1.55	610901.47	688739.02	
10724.00	91.26	268.71	9053.68	-1.46	-1954.33	1954.31	0.97	610898.62	688645.09	
10819.00	90.91	269.54	9051.88	-2.91	-2049.30	2049.29	0.95	610897.17	688550.12	
10914.00	92.03	268.73	9049.44	-4.34	-2144.26	2144.25	1.45	610895.74	688455.16	
11009.00	92.38	268.51	9045.78	-6.63	-2239.16	2239.16	0.44	610893.45	688360.26	
11104.00	92.10	268.86	9042.07	-8.81	-2334.06	2334.08	0.47	610891.27	688265.36	
11197.00	91.95	268.58	9038.78	-10.88	-2426.98	2427.00	0.34	610889.20	688172.44	
11292.00	90.28	269.17	9036.94	-12.75	-2521.94	2521.97	1.86	610887.33	688077.48	
11388.00	90.07	269.30	9036.64	-14.03	-2617.93	2617.97	0.26	610886.05	687981.49	
11483.00	89.44	269.19	9037.05	-15.28	-2712.92	2712.97	0.67	610884.80	687886.50	
11576.00	91.05	269.85	9036.65	-16.06	-2805.91	2805.96	1.87	610884.02	687793.51	
11671.00	91.68	270.63	9034.39	-15.66	-2900.89	2900.93	1.06	610884.42	687698.53	
11767.00	90.84	271.50	9032.28	-13.88	-2996.84	2996.88	1.26	610886.20	687602.58	
11862.00	89.72	269.77	9031.81	-12.83	-3091.83	3091.86	2.17	610887.25	687507.59	
11957.00	90.84	270.77	9031.35	-12.38	-3186.83	3186.85	1.58	610887.70	687412.59	
12052.00	90.56	270.99	9030.19	-10.92	-3281.81	3281.82	0.37	610889.16	687317.61	
12148.00	90.35	269.74	9029.43	-10.31	-3377.80	3377.81	1.32	610889.77	687221.62	
12242.00	92.03	268.58	9027.47	-11.69	-3471.77	3471.78	2.17	610888.39	687127.65	
12337.00	91.82	268.45	9024.28	-14.15	-3566.68	3566.70	0.26	610885.93	687032.74	
12432.00	91.26	268.73	9021.73	-16.48	-3661.62	3661.65	0.66	610883.60	686937.80	
12527.00	90.07	269.29	9020.63	-18.12	-3756.59	3756.64	1.38	610881.96	686842.83	
12622.00	90.91	269.62	9019.81	-19.03	-3851.59	3851.63	0.95	610881.05	686747.83	
12717.00	90.56	269.49	9018.60	-19.77	-3946.57	3946.62	0.39	610880.31	686652.85	
12812.00	91.68	268.79	9016.74	-21.19	-4041.54	4041.60	1.39	610878.89	686557.88	
12908.00	91.05	268.63	9014.45	-23.35	-4137.49	4137.56	0.68	610876.73	686461.93	
13003.00	90.42	268.90	9013.23	-25.40	-4232.46	4232.54	0.72	610874.68	686366.96	
13099.00	91.54	268.37	9011.59	-27.69	-4328.42	4328.50	1.29	610872.39	686271.00	
13194.00	90.91	268.28	9009.56	-30.46	-4423.36	4423.46	0.67	610869.62	686176.06	
13289.00	90.77	268.51	9008.17	-33.12	-4518.31	4518.42	0.28	610866.96	686081.11	
13383.00	90.42	268.38	9007.19	-35.67	-4612.27	4612.39	0.40	610864.41	685987.15	
13478.00	91.05	268.68	9005.97	-38.11	-4707.23	4707.37	0.73	610861.97	685892.19	
13574.00	91.12	268.66	9004.16	-40.34	-4803.19	4803.33	0.08	610859.74	685796.23	
13670.00	90.98	268.88	9002.40	-42.40	-4899.15	4899.30	0.27	610857.68	685700.27	
13765.00	90.98	268.99	9000.77	-44.16	-4994.12	4994.28	0.12	610855.92	685605.30	
13815.00	91.12	269.22	8999.85	-44.94	-5044.10	5044.27	0.54	610855.14	685555.32	Last Wft Svy
13877.67	91.12	269.22	8998.63	-45.80	-5106.75	5106.93	0.00	610854.28	685492.67	Cross Prod Box
13887.00	91.12	269.22	8998.45	-45.92	-5116.08	5116.26	0.00	610854.16	685483.34	Proj to Bit

Well Name: HADAR 10 FED COM 21H

Sub-Division DELAWARE BASIN WEST	Region SLOPE EAST	Field Name HACKBERRY NORTH	County EDDY	State/Province NM						
Surface Legal Location SEC 11 T19S R31E	APN/UA 3001543276	Latitude (°) 32° 40' 42.496" N	Longitude (°) 103° 50' 53.596" W	Original KB Elevation (ft) 3,612.20						
Wellbore OH	Parent Wellbore OH	SAP Well ID 38892	Ground Elev MSL (ft) 3,587.20	KB - GL (ft) 25.00						
Kick Offs & Key Depths		Vertical Section Direction (°)								
Date 9/17/2015	Type CURVE	Top Depth (ftKG) 8,433.0								
Actual Deviation Survey TELEDRIFF, Proposed? No		Definitive? No	Proposed? No	Proposed Deviation Survey						
Deviation Survey										
Date 9/17/2015	Description TELEDRIFF									
MD Tie In (ftKG)	TVD Tie In (ftKG)	Inclination Tie In (°)	Azimuth Tie In (°)	NS Tie In (ft)						
EW Tie In (ft)										
Survey Data										
Date	MD (ftKG)	Incl (°)	Azm (°)	TVD (ftKG)	VS (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Survey Tool	Survey Company
9/17/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	MS	TELEDRIFF
9/17/2015	157.00	0.80	222.10	156.99	0.74	-0.81	-0.73	0.51	MS	TELEDRIFF
9/17/2015	217.00	0.90	242.10	216.99	1.44	-1.34	-1.43	0.52	MS	TELEDRIFF
9/17/2015	371.00	0.70	216.10	370.97	3.08	-2.67	-3.06	0.27	MS	TELEDRIFF
9/17/2015	431.00	0.80	243.00	430.97	3.87	-3.16	-3.64	0.60	MS	TELEDRIFF
9/17/2015	553.00	0.80	219.00	552.96	4.98	-4.21	-4.94	0.27	MS	TELEDRIFF
9/17/2015	646.00	0.50	231.10	645.95	5.71	-4.96	-5.66	0.35	MS	TELEDRIFF
9/17/2015	738.00	0.40	292.00	737.95	6.32	-5.10	-6.27	0.50	MS	TELEDRIFF
9/17/2015	888.00	0.20	230.00	887.95	7.00	-5.07	-6.96	0.24	MS	TELEDRIFF
9/17/2015	980.00	0.10	242.00	979.95	7.20	-5.21	-7.15	0.11	MS	TELEDRIFF
9/17/2015	1,072.00	0.10	210.00	1,071.95	7.31	-5.32	-7.26	0.08	MS	TELEDRIFF
9/17/2015	1,164.00	0.10	199.00	1,163.95	7.38	-5.46	-7.33	-0.02	MS	TELEDRIFF
9/17/2015	1,257.00	0.30	179.00	1,256.95	7.40	-5.78	-7.35	0.22	MS	TELEDRIFF
9/17/2015	1,349.00	0.10	177.00	1,348.95	7.40	-6.10	-7.34	0.22	MS	TELEDRIFF
9/17/2015	1,491.00	0.20	111.00	1,490.94	7.18	-6.32	-7.11	0.13	MS	TELEDRIFF
9/17/2015	1,536.00	0.30	83.00	1,535.94	6.97	-6.33	-6.92	0.34	MS	TELEDRIFF
9/17/2015	1,630.00	0.60	61.00	1,629.94	6.30	-6.06	-6.24	0.36	MS	TELEDRIFF
9/17/2015	1,725.00	0.80	0.52	1,724.94	5.85	-5.16	-5.80	0.78	MS	TELEDRIFF
9/17/2015	1,820.00	1.30	59.00	1,819.92	4.91	-3.94	-4.87	1.17	MS	TELEDRIFF
9/17/2015	1,916.00	1.40	55.00	1,915.90	3.00	-2.71	-2.98	0.14	MS	TELEDRIFF
9/17/2015	2,011.00	1.60	52.00	2,010.86	0.99	-1.22	-0.98	0.23	MS	TELEDRIFF
9/17/2015	2,106.00	1.50	54.00	2,105.83	-1.07	0.32	1.07	0.12	MS	TELEDRIFF
9/17/2015	2,200.00	1.30	53.00	2,199.80	-2.93	1.69	2.92	0.21	MS	TELEDRIFF
9/17/2015	2,296.00	1.50	46.10	2,295.77	-4.72	3.22	4.69	0.27	MS	TELEDRIFF
9/17/2015	2,391.00	1.30	61.10	2,390.74	-6.57	4.60	6.53	0.44	MS	TELEDRIFF
9/17/2015	2,486.00	0.80	42.10	2,485.73	-7.97	5.61	7.92	0.63	MS	TELEDRIFF
9/17/2015	2,582.00	0.70	69.10	2,581.72	-8.97	6.32	8.92	0.38	MS	TELEDRIFF
9/17/2015	2,623.00	0.20	61.00	2,622.72	-9.27	6.44	9.21	1.23	MS	TELEDRIFF
9/17/2015	2,677.00	0.70	73.10	2,676.72	-9.67	6.58	9.61	0.94	MS	TELEDRIFF
9/17/2015	2,772.00	0.40	82.00	2,771.71	-10.55	6.80	10.49	0.33	MS	TELEDRIFF
9/17/2015	2,868.00	0.30	86.10	2,867.71	-11.14	6.88	11.08	0.11	MS	TELEDRIFF
9/17/2015	2,962.00	0.40	43.10	2,961.71	-11.81	7.12	11.55	0.29	MS	TELEDRIFF
9/17/2015	3,057.00	0.30	14.10	3,056.71	-11.90	7.60	11.83	0.21	MS	TELEDRIFF
9/17/2015	3,151.00	0.30	354.00	3,150.70	-11.94	8.09	11.87	0.11	MS	TELEDRIFF
9/17/2015	3,246.00	0.20	79.00	3,245.70	-12.08	8.36	12.01	0.36	MS	TELEDRIFF
9/17/2015	3,342.00	0.10	92.00	3,341.70	-12.33	8.39	12.25	0.11	MS	TELEDRIFF
9/17/2015	3,436.00	0.10	75.00	3,435.70	-12.49	8.41	12.41	0.03	MS	TELEDRIFF
9/17/2015	3,531.00	0.30	63.00	3,530.70	-12.79	8.55	12.72	0.21	MS	TELEDRIFF
9/17/2015	3,626.00	0.20	61.00	3,625.70	-13.16	8.74	13.08	0.11	MS	TELEDRIFF
9/17/2015	3,721.00	0.50	38.10	3,720.70	-13.55	9.16	13.47	0.35	MS	TELEDRIFF
9/17/2015	3,817.00	0.20	5.10	3,816.70	-13.82	9.66	13.73	0.36	MS	TELEDRIFF
9/17/2015	3,911.00	0.10	97.00	3,910.70	-13.92	9.81	13.83	0.24	MS	TELEDRIFF
9/17/2015	4,006.00	0.30	8.10	4,005.70	-14.04	10.05	13.95	0.33	MS	TELEDRIFF
9/17/2015	4,101.00	0.30	24.10	4,100.70	-14.18	10.52	14.08	0.09	MS	TELEDRIFF
9/17/2015	4,197.00	0.30	54.00	4,196.70	-14.49	10.90	14.39	0.16	MS	TELEDRIFF
9/17/2015	4,293.00	0.00	327.00	4,292.69	-14.69	11.05	14.59	0.31	MS	TELEDRIFF
9/17/2015	4,388.00	0.30	359.00	4,387.69	-14.69	11.30	14.59	0.32	MS	TELEDRIFF
9/17/2015	4,482.00	0.20	338.00	4,481.69	-14.63	11.69	14.52	0.14	MS	TELEDRIFF
9/17/2015	4,620.00	0.60	3.00	4,619.69	-14.58	12.64	14.47	0.31	MS	TELEDRIFF
9/17/2015	4,715.00	1.10	2.00	4,714.68	-14.65	14.05	14.53	0.53	MS	TELEDRIFF
9/17/2015	4,811.00	1.30	348.00	4,810.66	-14.48	16.03	14.33	0.37	MS	TELEDRIFF
9/17/2015	4,906.00	1.10	340.00	4,905.64	-13.96	17.94	13.80	0.27	MS	TELEDRIFF
9/17/2015	5,002.00	1.40	348.00	5,001.61	-13.42	19.96	13.24	0.36	MS	TELEDRIFF
9/17/2015	5,097.00	1.20	334.00	5,096.59	-12.76	21.99	12.56	0.39	MS	TELEDRIFF
9/17/2015	5,191.00	1.40	354.00	5,190.67	-12.22	24.01	12.01	0.52	MS	TELEDRIFF
9/17/2015	5,285.00	1.60	350.00	5,284.53	-11.90	26.45	11.66	0.24	MS	TELEDRIFF
9/17/2015	5,381.00	1.50	356.00	5,380.50	-11.60	29.02	11.34	0.20	MS	TELEDRIFF
9/17/2015	5,476.00	1.20	355.00	5,475.47	-11.45	31.25	11.17	0.32	MS	TELEDRIFF
9/17/2015	5,571.00	1.40	353.00	5,570.45	-11.24	33.40	10.94	0.22	MS	TELEDRIFF
9/17/2015	5,665.00	1.50	335.00	5,664.42	-10.60	35.65	10.29	0.49	MS	TELEDRIFF
9/17/2015	5,759.00	1.20	352.00	5,758.39	-9.97	37.74	9.83	0.53	MS	TELEDRIFF
9/17/2015	5,854.00	1.20	354.00	5,853.37	-9.74	39.72	9.39	0.04	MS	TELEDRIFF
9/17/2015	5,950.00	1.50	340.00	5,948.35	-9.23	41.90	8.85	0.46	MS	TELEDRIFF
9/17/2015	6,045.00	1.50	342.00	6,044.31	-8.44	44.25	8.04	0.06	MS	TELEDRIFF
9/17/2015	6,138.00	1.10	340.00	6,137.29	-7.77	46.24	7.36	0.43	MS	TELEDRIFF
9/17/2015	6,233.00	1.50	336.00	6,232.28	-8.97	48.24	6.55	0.43	MS	TELEDRIFF

Well Name: HADAR 10 FED COM 21H

Sub-Division	Region	Field Name	County	State/Province						
DELAWARE BASIN WEST	SLOPE EAST	HACKBERRY NORTH	EDDY	NM						
Surface Legal Location	API/W	Latitude (°)	Longitude (°)	Orig KB Elevation (ft)	Ground Elev MSL (ft)	KB - GL (ft)				
SEC11 T19S R31E	3001543276	32° 40' 42.496" N	103° 50' 53.596" W	3,612.20	3,587.20	25.00				
Survey Data										
Date	MD (ft)	Ind (ft)	ASm (ft)	TVD (ft)	VS (ft)	NS (ft)	EW (ft)	DLS (ft/100m)	Survey Tool	Survey Company
9/7/2015	6,328.00	1.10	340.00	6,327.24	-6.17	50.23	5.73	0.43	MS	TELEDRIFT
9/7/2015	6,424.00	1.70	345.00	6,423.21	-5.51	52.47	5.04	0.64	MS	TELEDRIFT
9/7/2015	6,519.00	1.20	354.00	6,518.18	-5.06	54.82	4.58	0.58	MS	TELEDRIFT
9/7/2015	6,614.00	1.20	348.00	6,613.16	-4.77	56.78	4.26	0.13	MS	TELEDRIFT
9/7/2015	6,709.00	1.80	356.00	6,708.13	-4.48	59.25	3.95	0.67	MS	TELEDRIFT
9/7/2015	6,803.00	1.60	351.00	6,802.08	-4.20	62.01	3.65	0.26	MS	TELEDRIFT
9/7/2015	6,899.00	2.00	351.00	6,898.04	-3.75	64.99	3.17	0.42	MS	TELEDRIFT
9/7/2015	6,994.00	2.20	352.00	6,992.97	-3.27	68.44	2.86	0.21	MS	TELEDRIFT
9/7/2015	7,089.00	2.10	348.00	7,087.91	-2.69	71.94	2.04	0.19	MS	TELEDRIFT
9/7/2015	7,184.00	2.10	348.00	7,182.84	-1.99	75.35	1.32	0.00	MS	TELEDRIFT
9/7/2015	7,279.00	1.70	352.00	7,277.79	-1.46	78.45	0.78	0.44	MS	TELEDRIFT
9/7/2015	7,374.00	1.90	310.10	7,372.75	-0.08	80.86	0.64	1.37	MS	TELEDRIFT
9/7/2015	7,470.00	2.00	301.00	7,468.69	-2.55	82.75	3.29	0.34	MS	TELEDRIFT
9/7/2015	7,565.00	1.80	295.00	7,563.64	-5.31	84.23	6.08	0.30	MS	TELEDRIFT
9/7/2015	7,660.00	1.70	314.00	7,658.60	-7.87	85.84	8.43	0.62	MS	TELEDRIFT
9/7/2015	7,755.00	1.30	318.00	7,753.56	-9.38	87.62	10.17	0.43	MS	TELEDRIFT
9/7/2015	7,851.00	1.80	295.00	7,849.53	-11.47	89.07	12.26	0.82	MS	TELEDRIFT
9/7/2015	7,897.00	1.70	283.00	7,895.51	-12.78	89.52	13.58	0.82	MS	TELEDRIFT
9/7/2015	7,952.00	1.96	261.44	7,950.48	-14.51	89.57	15.30	1.33	MWD	WEATHERFORD
9/7/2015	8,046.00	0.66	233.07	8,044.45	-16.53	89.00	17.33	1.50	MWD	WEATHERFORD
9/7/2015	8,141.00	0.75	222.05	8,139.45	-17.39	88.21	18.18	0.17	MWD	WEATHERFORD
9/7/2015	8,236.00	0.78	216.42	8,234.44	-18.20	87.23	18.98	0.09	MWD	WEATHERFORD
9/7/2015	8,332.00	0.84	222.78	8,330.43	-19.08	86.19	19.85	0.11	MWD	WEATHERFORD
9/7/2015	8,427.00	1.69	237.79	8,425.41	-20.75	84.93	21.51	0.95	MWD	WEATHERFORD
9/7/2015	8,459.00	4.28	236.05	8,457.36	-22.15	84.01	22.90	8.10	MWD	WEATHERFORD
9/7/2015	8,491.00	7.29	240.55	8,489.19	-24.92	82.35	25.65	9.51	MWD	WEATHERFORD
9/7/2015	8,523.00	9.96	243.61	8,520.83	-29.19	80.12	29.90	8.46	MWD	WEATHERFORD
9/7/2015	8,554.00	12.79	245.34	8,551.22	-34.73	77.49	35.42	9.19	MWD	WEATHERFORD
9/7/2015	8,586.00	16.11	246.66	8,582.20	-42.06	74.26	42.72	10.43	MWD	WEATHERFORD
9/7/2015	8,618.00	19.49	248.54	8,612.66	-51.14	70.54	51.77	10.71	MWD	WEATHERFORD
9/7/2015	8,649.00	22.51	250.15	8,641.60	-61.57	66.64	62.17	9.92	MWD	WEATHERFORD
9/7/2015	8,682.00	25.65	251.59	8,671.73	-74.33	62.23	74.89	9.68	MWD	WEATHERFORD
9/7/2015	8,713.00	28.31	252.19	8,699.35	-87.74	57.87	88.25	8.63	MWD	WEATHERFORD
9/7/2015	8,745.00	31.10	253.03	8,727.14	-102.91	53.13	103.39	8.82	MWD	WEATHERFORD
9/7/2015	8,777.00	34.15	253.65	8,754.09	-119.48	48.19	119.91	9.59	MWD	WEATHERFORD
9/7/2015	8,809.00	37.06	254.21	8,780.11	-137.43	43.04	137.81	9.15	MWD	WEATHERFORD
9/7/2015	8,840.00	40.11	254.55	8,804.33	-156.09	37.63	156.43	9.86	MWD	WEATHERFORD
9/7/2015	8,872.00	43.01	254.34	8,828.28	-176.59	32.14	176.88	9.07	MWD	WEATHERFORD
9/7/2015	8,903.00	45.66	254.48	8,850.45	-197.50	26.31	197.75	8.55	MWD	WEATHERFORD
9/7/2015	8,935.00	47.25	255.91	8,872.49	-219.98	20.39	220.17	5.96	MWD	WEATHERFORD
9/7/2015	8,967.00	48.31	257.37	8,894.00	-243.08	14.92	243.22	4.73	MWD	WEATHERFORD
9/7/2015	8,998.00	50.17	259.52	8,914.24	-266.13	10.22	266.23	7.97	MWD	WEATHERFORD
9/7/2015	9,030.00	52.47	260.86	8,934.24	-290.78	5.97	290.84	7.90	MWD	WEATHERFORD
9/7/2015	9,062.00	55.14	262.11	8,953.13	-316.35	2.15	316.38	8.92	MWD	WEATHERFORD
9/7/2015	9,094.00	58.89	263.41	8,970.60	-342.97	-1.22	342.97	11.60	MWD	WEATHERFORD
9/7/2015	9,126.00	62.28	264.97	8,986.36	-370.69	-4.04	370.67	11.99	MWD	WEATHERFORD
9/7/2015	9,158.00	64.91	266.56	9,000.59	-399.29	-6.15	399.25	9.93	MWD	WEATHERFORD
9/7/2015	9,190.00	68.20	268.08	9,013.32	-428.62	-7.51	428.57	11.17	MWD	WEATHERFORD
9/7/2015	9,221.00	70.68	268.48	9,024.21	-457.64	-8.38	457.58	8.09	MWD	WEATHERFORD
9/7/2015	9,253.00	73.97	269.04	9,033.92	-488.12	-9.04	488.06	10.42	MWD	WEATHERFORD
9/7/2015	9,285.00	77.74	270.14	9,041.74	-519.14	-9.26	519.08	12.24	MWD	WEATHERFORD
9/7/2015	9,307.00	80.36	270.95	9,045.92	-540.74	-9.06	540.68	12.45	MWD	WEATHERFORD
9/7/2015	9,392.00	85.86	272.75	9,056.11	-625.02	-6.33	624.98	6.80	MWD	WEATHERFORD
9/7/2015	9,487.00	87.55	272.85	9,061.57	-719.70	-1.69	719.71	1.78	MWD	WEATHERFORD
9/7/2015	9,583.00	90.91	272.32	9,062.86	-815.53	-2.64	815.59	13.54	MWD	WEATHERFORD
9/7/2015	9,677.00	91.26	272.73	9,061.08	-909.39	-6.78	909.48	0.57	MWD	WEATHERFORD
9/7/2015	9,772.00	90.07	272.99	9,059.98	-1,004.21	11.52	1,004.36	1.28	MWD	WEATHERFORD
9/7/2015	9,868.00	88.60	270.53	9,061.09	-1,100.12	14.46	1,100.29	2.98	MWD	WEATHERFORD
9/7/2015	9,963.00	87.90	270.77	9,064.00	-1,195.06	15.54	1,195.24	0.78	MWD	WEATHERFORD
9/7/2015	10,059.00	90.70	270.25	9,065.17	-1,291.02	16.40	1,291.22	2.97	MWD	WEATHERFORD
9/7/2015	10,153.00	91.54	268.89	9,063.33	-1,385.00	15.53	1,385.20	1.88	MWD	WEATHERFORD
9/7/2015	10,249.00	90.42	268.87	9,061.69	-1,480.98	13.48	1,481.16	1.18	MWD	WEATHERFORD
9/7/2015	10,344.00	91.26	269.22	9,060.30	-1,575.97	11.90	1,576.13	0.96	MWD	WEATHERFORD
9/7/2015	10,440.00	91.26	267.61	9,058.19	-1,671.92	9.24	1,672.07	1.68	MWD	WEATHERFORD
9/7/2015	10,535.00	90.00	267.75	9,057.14	-1,766.87	5.40	1,766.99	1.33	MWD	WEATHERFORD
9/7/2015	10,630.00	91.47	267.82	9,055.92	-1,861.82	1.73	1,861.90	1.55	MWD	WEATHERFORD
9/7/2015	10,724.00	91.26	268.71	9,053.68	-1,955.77	-1.12	1,955.83	0.97	MWD	WEATHERFORD
9/7/2015	10,819.00	90.91	269.54	9,051.88	-2,050.75	-2.57	2,050.80	0.95	MWD	WEATHERFORD
9/7/2015	10,914.00	92.03	268.73	9,049.45	-2,145.71	-4.00	2,145.76	1.45	MWD	WEATHERFORD
9/7/2015	11,009.00	92.38	268.51	9,045.79	-2,240.83	-6.29	2,240.66	0.44	MWD	WEATHERFORD
9/7/2015	11,104.00	92.10	268.86	9,042.08	-2,335.55	-8.47	2,335.56	0.47	MWD	WEATHERFORD
9/7/2015	11,197.00	91.95	268.58	9,038.79	-2,428.48	-10.54	2,428.48	0.34	MWD	WEATHERFORD
9/7/2015	11,292.00	90.28	269.17	9,036.94	-2,523.45	-12.41	2,523.44	1.86	MWD	WEATHERFORD
9/7/2015	11,388.00	90.07	269.30	9,036.65	-2,619.45	-13.69	2,619.43	0.26	MWD	WEATHERFORD
9/7/2015	11,483.00	89.44	269.19	9,037.06	-2,714.45	-14.94	2,714.42	0.67	MWD	WEATHERFORD
9/7/2015	11,576.00	91.05	269.85	9,036.68	-2,807.45	-15.72	2,807.42	1.87	MWD	WEATHERFORD
9/7/2015	11,671.00	91.68	270.63	9,034.40	-2,902.41	-15.32	2,902.39	1.06	MWD	WEATHERFORD

Well Name: HADAR 10 FED COM 21H

Sub-Division DELAWARE BASIN WEST		Region SLOPE EAST		Field Name HACKBERRY NORTH			County EDDY		State/Province NM				
Surface Legal Location SEC11 T19S R31E		APBUN 3001543276		Latitude (°) 32° 40' 42.496" N		Longitude (°) 103° 50' 53.596" W		Orig KB Elevation (ft) 3,612.20		Ground Elev MSL (ft) 3,587.20		KB - GL (ft) 25.00	
Survey Data													
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NIS (ft)	EAV (ft)	DLS (ft/100ft)	Survey Tool	Survey Company			
9/7/2015	11,767.00	90.84	271.50	9,032.29	2,998.35	-13.54	2,998.35	1.26	MWD	WEATHERFORD			
9/7/2015	11,862.00	89.72	269.77	9,031.82	3,093.32	-12.48	3,093.33	2.17	MWD	WEATHERFORD			
9/7/2015	11,957.00	90.84	270.77	9,031.36	3,188.31	-12.04	3,188.33	1.58	MWD	WEATHERFORD			
9/7/2015	12,052.00	90.56	270.99	9,030.20	3,283.27	-10.58	3,283.31	0.37	MWD	WEATHERFORD			
9/7/2015	12,148.00	90.35	269.74	9,029.43	3,379.26	-9.97	3,379.30	1.32	MWD	WEATHERFORD			
9/7/2015	12,242.00	92.03	268.58	9,027.48	3,473.23	-11.34	3,473.27	2.17	MWD	WEATHERFORD			
9/7/2015	12,337.00	91.82	268.45	9,024.29	3,568.16	-13.80	3,568.18	0.26	MWD	WEATHERFORD			
9/7/2015	12,432.00	91.26	268.73	9,021.74	3,663.12	-15.14	3,663.12	0.66	MWD	WEATHERFORD			
9/7/2015	12,527.00	90.07	269.29	9,020.63	3,758.11	-17.78	3,758.10	1.38	MWD	WEATHERFORD			
9/7/2015	12,622.00	90.91	269.62	9,019.82	3,853.10	-18.69	3,853.09	0.95	MWD	WEATHERFORD			
9/7/2015	12,717.00	90.56	269.49	9,018.60	3,948.09	-19.42	3,948.08	0.39	MWD	WEATHERFORD			
9/7/2015	12,812.00	91.68	268.79	9,016.75	4,043.07	-20.85	4,043.05	1.39	MWD	WEATHERFORD			
9/7/2015	12,908.00	91.05	268.63	9,014.46	4,138.03	-23.01	4,138.99	0.68	MWD	WEATHERFORD			
9/7/2015	13,003.00	90.42	268.90	9,013.24	4,234.02	-25.06	4,233.96	0.72	MWD	WEATHERFORD			
9/7/2015	13,099.00	91.54	268.37	9,011.60	4,329.99	-27.34	4,328.92	1.29	MWD	WEATHERFORD			
9/7/2015	13,194.00	90.91	268.28	9,009.57	4,424.95	-30.12	4,424.86	0.67	MWD	WEATHERFORD			
9/7/2015	13,289.00	90.77	268.51	9,008.18	4,519.92	-32.78	4,519.81	0.28	MWD	WEATHERFORD			
9/7/2015	13,383.00	90.42	268.38	9,007.20	4,613.90	-35.33	4,613.77	0.40	MWD	WEATHERFORD			
9/7/2015	13,478.00	91.05	268.68	9,005.98	4,708.88	-37.77	4,708.73	0.73	MWD	WEATHERFORD			
9/7/2015	13,574.00	91.12	268.66	9,004.16	4,804.85	-40.00	4,804.69	0.08	MWD	WEATHERFORD			
9/7/2015	13,670.00	90.98	268.88	9,002.40	4,900.83	-42.08	4,900.65	0.27	MWD	WEATHERFORD			
9/7/2015	13,765.00	90.98	268.99	9,000.78	4,995.81	-43.82	4,995.62	0.12	MWD	WEATHERFORD			
9/7/2015	13,815.00	91.12	269.22	8,999.86	5,045.80	-44.60	5,045.60	0.54	MWD	WEATHERFORD			
9/7/2015	13,887.00	91.12	269.22	8,998.46	5,117.79	-45.58	5,117.58	0.00	BIT	WEATHERFORD			