

30-015-42470



Weatherford

Evaluation, Drilling & Intervention
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Tel. (432) 561-8892 Fax (432) 561-8895

BOPCO, LP
PO Box 2760
Midland, TX 79702

Date: November 11, 2014

Attention: Todd Carpenter

Re: BOPCO, LP
Well: Poker Lake Unit 455H
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:

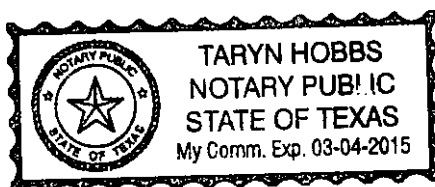
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Jermy Orona MWD Supervisor	455H	1422 MD 14038 MD	10/15/2014 11/6/2014	Measurement While Drilling

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.

Jesse Aguilar
MWD Ops Coordinator

On this, the 19th day of January, 2015, before me a notary public, the undersigned officer, personally appeared JESUS Aguilar, 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 hereof, I hereunto set my hand and official seal.

Notary Public

5D Survey Report

BOPCO, L.P.**Field Name:** *Eddy Co, NM Nad27 NMEZ***Site Name:** *Poker Lake Unit 455, 456H Pad***Well Name:** *PLU 455H***Survey:** *Wft MWD Svy*

06 November 2014



PLU 455H

Field Name Eddy Co, NM Nad27 NMEZ	Map Units : US ft		Company Name : BOPCO, L.P.	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD27 / New Mexico East			
	Comment :			
Site Name Poker Lake Unit 455, 456H Pad	Units : US ft	North Reference : Grid	Convergence Angle : 0.25	
	Position	Northing : 405350.90 US ft	Latitude : 32° 6' 48.82"	
		Easting : 644904.90 US ft	Longitude : -103° 51' 55.13"	
	Elevation above Mean Sea Level:3301.00 US ft			
Comment :				
Slot Name PLU 455H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing :405350.90 US ft	Latitude : 32°6'48.82"	
	+E / -W : 0.00 US ft	Easting :644904.90 US ft	Longitude : -103°51'55.13"	
	Slot TVD Reference : Ground Elevation			
	Elevation above Mean Sea Level : 3301.00 US ft			
	Comment :			
Well Name PLU 455H	Type : Main well		UWI :	
	Rig Height <i>Drill Floor</i> : 17.00 US ft		Comment :	
	Relative to Mean Sea Level: 3318.00 US ft			
	Closure Distance : 6888.2 US ft		Closure Azimuth : 269.5°	
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft		+E / -W : 0.00 US ft	Az :269.43°

Target Set

Name : PLU 455H **Number of Targets :** 3

Comment :

Target Name: PBHL 455H Shape: Cuboid	Position (Relative to Slot centre)					
	+N / -S : -68.50US ft		Northing : 405282.40 US ft		Latitude : 32°6'48.43"	
	+E / -W : -6888.00 US ft		Easting : 638016.90US ft		Longitude : -103°53'15.22"	
	TVD (Drill Floor) : 7556.00 US ft					
Orientation Azimuth : 0.00°		Inclination : 0.00°				
Dimensions Length : 0.00 US ft		Breadth : 0.00 US ft		Height : 0.00 US ft		

Target Name: HB 1 For Dwg Shape: Cuboid	Position (Relative to Slot centre)					
	+N / -S : -8.87USft		Northing : 405342.03 US ft		Latitude : 32°6'48.77"	
	+E / -W : -891.49 US ft		Easting : 644013.41US ft		Longitude : -103°52'5.50"	
	TVD (Drill Floor) : 7661.00 US ft					
Orientation Azimuth : 269.43°		Inclination : 0.04°				
Dimensions Length : 6000.00 US ft		Breadth : 0.00 US ft		Height : 1.00 US ft		

5D Survey Report

Target Name: HB 2 For Dwg Shape: Cuboid	Position (Relative to Slot centre)		
	+N / -S : -68.50US ft	Northing : 405282.40 US ft	Latitude : 32°6'48.43"
	+E / -W : -6888.00 US ft	Easting : 638016.90US ft	Longitude : -103°53'15.22"
	TVD (Drill Floor) : 7656.00 US ft		
	Orientation Azimuth : 269.43°	Inclination : 0.04°	
	Dimensions Length : 11992.00 US ft	Breadth : 0.00 US ft	Height : 1.00 US ft

Survey Name :Wft MWD Svy**Date :** 17/Oct/2014**Survey Tool :** MWD**Comment :****Company :** Wft**Magnetic Model****Model Name:** BGGM**Date:** 15/Oct/2014**Field Strength:**
48164.9 nT**Declination:** 7.47°**Dip:** 59.94°**Tie Point****MD:** 1300**Inclination:** 1.33 **Azimuth:** 266.7**TVD:** 1299.87**North Offset:** -8.698**East Offset:** -5.51999**Casing Points (Relative to Slot centre, TVD relative to Drill Floor)**

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	Name
7811.00	73.14	270.33	7490.95	-9.66	-602.34	405341.24	644302.56	7 in

Well path created using minimum curvature.**Survey Points (Relative to Slot centre, TVD relative to Drill Floor)**

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
1422.00	0.78	273.08	1421.85	-8.73	-7.76	7.85	0.00	405342.17	644897.14	First Wft Svy
1612.00	0.76	272.85	1611.83	-8.60	-10.31	10.40	0.01	405342.30	644894.59	
1802.00	0.35	293.82	1801.82	-8.31	-12.10	12.18	0.24	405342.59	644892.80	
1992.00	0.07	18.50	1991.82	-7.96	-12.60	12.67	0.18	405342.94	644892.30	
2182.00	0.10	243.81	2181.82	-7.92	-12.71	12.79	0.08	405342.98	644892.19	
2372.00	0.45	210.16	2371.82	-8.64	-13.23	13.32	0.20	405342.26	644891.67	
2561.00	0.10	266.38	2560.82	-9.29	-13.77	13.86	0.21	405341.61	644891.13	
2751.00	0.44	340.65	2750.81	-8.62	-14.18	14.26	0.22	405342.28	644890.72	
2941.00	0.35	21.65	2940.81	-7.39	-14.20	14.28	0.15	405343.51	644890.70	
3131.00	0.60	352.21	3130.80	-5.86	-14.12	14.18	0.18	405345.04	644890.78	
3322.00	0.38	2.38	3321.80	-4.24	-14.23	14.28	0.12	405346.66	644890.67	
3511.00	0.36	82.95	3510.79	-3.54	-13.62	13.65	0.25	405347.36	644891.28	
3701.00	0.82	137.22	3700.78	-4.47	-12.10	12.15	0.36	405346.43	644892.80	
3878.00	0.63	137.43	3877.77	-6.11	-10.58	10.64	0.11	405344.79	644894.32	
4074.00	0.31	130.81	4073.76	-7.25	-9.45	9.53	0.17	405343.65	644895.45	
4260.00	0.36	143.13	4259.76	-8.05	-8.72	8.80	0.05	405342.85	644896.18	
4446.00	0.22	174.89	4445.76	-8.87	-8.34	8.43	0.11	405342.03	644896.56	
4632.00	0.42	157.10	4631.76	-9.86	-8.04	8.14	0.12	405341.04	644896.86	
4821.00	0.36	162.96	4820.75	-11.06	-7.60	7.71	0.04	405339.84	644897.30	
5008.00	0.28	185.49	5007.75	-12.08	-7.47	7.59	0.08	405338.82	644897.43	
5193.00	0.30	159.33	5192.75	-12.98	-7.34	7.47	0.07	405337.92	644897.56	
5381.00	0.50	153.82	5380.74	-14.18	-6.81	6.95	0.11	405336.72	644898.09	
5567.00	0.35	162.85	5566.74	-15.45	-6.28	6.44	0.09	405335.45	644898.62	
5756.00	0.60	180.55	5755.73	-16.99	-6.12	6.29	0.15	405333.91	644898.78	
5944.00	0.70	170.12	5943.72	-19.11	-5.93	6.12	0.08	405331.79	644898.97	
6132.00	0.95	163.49	6131.70	-21.73	-5.29	5.51	0.14	405329.17	644899.61	
6321.00	0.65	157.16	6320.68	-24.22	-4.43	4.67	0.17	405326.68	644900.47	
6508.00	0.91	164.11	6507.66	-26.63	-3.61	3.88	0.15	405324.27	644901.29	
6695.00	0.70	158.51	6694.64	-29.12	-2.79	3.08	0.12	405321.78	644902.11	
6806.00	0.91	163.15	6805.63	-30.59	-2.29	2.59	0.20	405320.31	644902.61	
6820.00	0.91	171.54	6819.63	-30.81	-2.24	2.54	0.95	405320.09	644902.66	
6882.00	2.44	243.28	6881.61	-31.89	-3.34	3.66	3.74	405319.01	644901.56	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
6914.00	5.55	257.73	6913.53	-32.52	-5.46	5.79	10.14	405318.38	644899.44	
6946.00	9.03	265.87	6945.26	-33.03	-9.48	9.81	11.32	405317.87	644895.42	
6978.00	11.38	274.74	6976.76	-32.95	-15.13	15.46	8.81	405317.95	644889.77	
7009.00	13.51	279.23	7007.03	-32.12	-21.76	22.08	7.54	405318.78	644883.14	
7040.00	15.98	277.73	7037.00	-30.97	-29.56	29.87	8.06	405319.93	644875.34	
7072.00	18.70	276.39	7067.55	-29.80	-39.03	39.32	8.59	405321.10	644865.87	
7101.00	21.26	275.99	7094.80	-28.74	-48.88	49.16	8.84	405322.16	644856.02	
7134.00	24.78	274.01	7125.17	-27.63	-61.73	62.00	10.92	405323.27	644843.17	
7166.00	28.39	272.84	7153.78	-26.78	-76.02	76.29	11.40	405324.12	644828.88	
7197.00	31.75	271.71	7180.60	-26.17	-91.54	91.80	10.99	405324.73	644813.36	
7228.00	35.44	271.42	7206.42	-25.71	-108.68	108.93	11.91	405325.19	644796.22	
7259.00	39.49	271.65	7231.02	-25.20	-127.53	127.77	13.07	405325.70	644777.37	
7290.00	42.20	272.47	7254.47	-24.47	-147.79	148.03	8.91	405326.43	644757.11	
7322.00	44.40	271.86	7277.76	-23.64	-169.72	169.94	7.00	405327.26	644735.18	
7354.00	46.66	270.96	7300.17	-23.08	-192.55	192.77	7.34	405327.82	644712.35	
7385.00	49.51	270.83	7320.88	-22.72	-215.61	215.82	9.20	405328.18	644689.29	
7416.00	52.81	271.10	7340.32	-22.31	-239.75	239.96	10.67	405328.59	644665.15	
7448.00	56.26	272.34	7358.88	-21.53	-265.79	265.99	11.23	405329.37	644639.11	
7476.00	59.81	272.94	7373.70	-20.43	-289.52	289.71	12.81	405330.47	644615.38	
7511.00	63.67	273.47	7390.27	-18.70	-320.29	320.46	11.11	405332.20	644584.61	
7542.00	65.91	273.47	7403.48	-17.01	-348.29	348.44	7.23	405333.89	644556.61	
7574.00	66.91	273.18	7416.28	-15.31	-377.56	377.70	3.23	405335.59	644527.34	
7605.00	70.55	272.03	7427.53	-14.00	-406.42	406.54	12.24	405336.90	644498.48	
7637.00	71.23	271.61	7438.00	-13.04	-436.64	436.75	2.46	405337.86	644468.26	
7669.00	71.58	271.58	7448.21	-12.19	-466.95	467.05	1.10	405338.71	644437.95	
7700.00	72.01	271.33	7457.89	-11.45	-496.39	496.48	1.58	405339.45	644408.51	
7744.00	72.66	271.21	7471.24	-10.52	-538.31	538.39	1.50	405340.38	644366.59	
7811.00	73.14	270.33	7490.95	-9.66	-602.34	602.41	1.44	405341.24	644302.56	7 in
7824.00	73.23	270.16	7494.71	-9.60	-614.78	614.85	1.44	405341.30	644290.12	
7855.00	73.09	270.23	7503.69	-9.50	-644.45	644.52	0.50	405341.40	644260.45	
7887.00	74.68	269.43	7512.57	-9.59	-675.19	675.26	5.52	405341.31	644229.71	
7918.00	75.26	269.33	7520.61	-9.92	-705.13	705.20	1.90	405340.98	644199.77	
7949.00	76.26	268.98	7528.23	-10.36	-735.18	735.24	3.41	405340.54	644169.72	
7980.00	76.93	268.67	7535.42	-10.98	-765.32	765.40	2.37	405339.92	644139.58	
8011.00	79.28	268.04	7541.81	-11.85	-795.64	795.72	7.84	405339.05	644109.26	
8042.00	82.54	267.13	7546.71	-13.14	-826.22	826.31	10.91	405337.76	644078.68	
8073.00	85.30	265.75	7549.99	-15.06	-856.99	857.09	9.94	405335.84	644047.91	
8104.00	86.70	265.92	7552.15	-17.30	-887.83	887.96	4.55	405333.60	644017.07	
8135.00	86.70	265.74	7553.94	-19.55	-918.69	918.84	0.58	405331.35	643986.21	
8166.00	87.05	265.88	7555.63	-21.81	-949.57	949.74	1.22	405329.09	643955.33	
8198.00	89.16	266.86	7556.69	-23.84	-981.48	981.67	7.27	405327.06	643923.42	
8260.00	93.02	267.12	7555.51	-27.09	-1043.37	1043.59	6.24	405323.81	643861.53	
8291.00	92.94	267.00	7553.89	-28.68	-1074.29	1074.52	0.46	405322.22	643830.61	
8353.00	93.23	269.63	7550.56	-30.50	-1136.17	1136.42	4.26	405320.40	643768.73	
8384.00	92.81	271.91	7548.92	-30.09	-1167.12	1167.36	7.47	405320.81	643737.78	
8414.00	92.17	272.46	7547.62	-28.94	-1197.07	1197.30	2.81	405321.96	643707.83	
8446.00	90.56	273.47	7546.86	-27.29	-1229.02	1229.23	5.94	405323.61	643675.88	
8477.00	89.30	274.45	7546.90	-25.15	-1259.94	1260.13	5.15	405325.75	643644.96	
8570.00	86.35	271.97	7550.43	-19.94	-1352.71	1352.84	4.14	405330.96	643552.19	
8664.00	86.63	270.45	7556.18	-17.96	-1446.51	1446.62	1.64	405332.94	643458.39	
8757.00	88.74	269.29	7559.94	-18.17	-1539.43	1539.53	2.59	405332.73	643365.47	
8880.00	88.32	268.08	7563.09	-21.00	-1662.35	1662.48	1.04	405329.90	643242.55	
8943.00	88.25	267.96	7564.98	-23.17	-1725.29	1725.43	0.22	405327.73	643179.61	
9037.00	93.86	268.03	7563.25	-26.46	-1819.18	1819.35	5.97	405324.44	643085.72	
9131.00	92.31	268.03	7558.19	-29.68	-1912.98	1913.18	1.65	405321.22	642991.92	
9226.00	91.19	269.91	7555.29	-31.39	-2007.92	2008.13	2.30	405319.51	642896.98	
9320.00	89.58	270.11	7554.66	-31.37	-2101.91	2102.12	1.73	405319.53	642802.99	
9415.00	85.09	271.78	7559.07	-29.81	-2196.77	2196.96	5.04	405321.09	642708.13	
9509.00	86.35	270.30	7566.09	-28.11	-2290.49	2290.65	2.06	405322.79	642614.41	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Drill Floor)										
ID (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
9602.00	87.90	268.66	7570.75	-28.96	-2383.36	2383.53	2.42	405321.94	642521.54	
9696.00	91.82	268.84	7570.98	-31.01	-2477.32	2477.50	4.17	405319.89	642427.58	
9790.00	92.24	268.27	7567.65	-33.37	-2571.23	2571.43	0.75	405317.53	642333.67	
9915.00	87.34	268.41	7568.11	-36.99	-2696.14	2696.37	3.92	405313.91	642208.76	
10009.00	90.42	269.26	7569.95	-38.90	-2790.09	2790.34	3.40	405312.00	642114.81	
10111.00	92.73	268.75	7567.15	-40.68	-2892.03	2892.29	2.32	405310.22	642012.87	
10197.00	92.10	269.63	7563.52	-41.89	-2977.94	2978.21	1.26	405309.01	641926.96	
10290.00	90.00	269.98	7561.82	-42.21	-3070.92	3071.19	2.29	405308.69	641833.98	
10384.00	91.89	269.17	7560.27	-42.90	-3164.90	3165.17	2.19	405308.00	641740.00	
10477.00	91.54	268.66	7557.48	-44.66	-3257.84	3258.12	0.66	405306.24	641647.06	
10570.00	90.49	270.84	7555.84	-45.07	-3350.82	3351.10	2.60	405305.83	641554.08	
10664.00	88.95	271.06	7556.30	-43.51	-3444.80	3445.06	1.65	405307.39	641460.10	
10758.00	91.19	272.24	7556.18	-40.80	-3538.75	3538.98	2.69	405310.10	641366.15	
10851.00	89.86	273.92	7555.33	-35.81	-3631.61	3631.79	2.30	405315.09	641273.29	
10945.00	91.96	274.07	7553.84	-29.26	-3725.36	3725.47	2.24	405321.64	641179.54	
11038.00	92.51	272.27	7550.21	-24.12	-3818.15	3818.20	2.02	405326.78	641086.75	
11132.00	92.94	270.01	7545.74	-22.25	-3912.02	3912.04	2.44	405328.65	640992.88	
11225.00	91.75	269.71	7541.93	-22.48	-4004.94	4004.96	1.32	405328.42	640899.96	
11318.00	91.68	267.29	7539.15	-24.91	-4097.85	4097.90	2.60	405325.99	640807.05	
11410.00	89.93	267.93	7537.86	-28.75	-4189.76	4189.84	2.03	405322.15	640715.14	
11503.00	90.42	268.36	7537.57	-31.76	-4282.71	4282.82	0.70	405319.14	640622.19	
11597.00	92.10	269.70	7535.51	-33.35	-4376.67	4376.79	2.29	405317.55	640528.23	
11691.00	89.93	267.21	7533.84	-35.88	-4470.61	4470.74	3.51	405315.02	640434.29	
11784.00	89.44	269.41	7534.35	-38.63	-4563.56	4563.72	2.42	405312.27	640341.34	
11877.00	89.86	269.41	7534.92	-39.58	-4656.55	4656.72	0.45	405311.32	640248.35	
11969.00	89.79	268.47	7535.20	-41.29	-4748.54	4748.71	1.02	405309.61	640156.36	
12063.00	86.92	268.64	7537.90	-43.66	-4842.46	4842.65	3.06	405307.24	640062.44	
12158.00	88.11	269.02	7542.02	-45.59	-4937.35	4937.56	1.31	405305.31	639967.55	
12253.00	90.14	269.95	7543.47	-46.45	-5032.33	5032.54	2.35	405304.45	639872.57	
12347.00	91.12	269.94	7542.44	-46.54	-5126.32	5126.53	1.04	405304.36	639778.58	
12442.00	89.86	269.94	7541.62	-46.64	-5221.31	5221.52	1.33	405304.26	639683.59	
12536.00	90.98	270.05	7540.93	-46.65	-5315.31	5315.51	1.20	405304.25	639589.59	
12630.00	91.47	270.27	7538.92	-46.38	-5409.29	5409.48	0.57	405304.52	639495.61	
12723.00	88.32	270.06	7539.10	-46.11	-5502.28	5502.46	3.39	405304.79	639402.62	
12818.00	85.51	269.19	7544.21	-46.73	-5597.13	5597.31	3.10	405304.17	639307.77	
12911.00	85.86	268.09	7551.20	-48.94	-5689.83	5690.04	1.24	405301.96	639215.07	
13006.00	85.94	267.69	7558.00	-52.42	-5784.53	5784.76	0.43	405298.48	639120.37	
13101.00	88.88	268.21	7562.29	-55.82	-5879.36	5879.62	3.14	405295.08	639025.54	
13195.00	91.76	269.39	7561.76	-57.79	-5973.32	5973.60	3.31	405293.11	638931.58	
13290.00	89.58	267.77	7560.65	-60.14	-6068.28	6068.58	2.86	405290.76	638836.62	
13377.00	89.79	267.29	7561.13	-63.89	-6155.20	6155.53	0.60	405287.01	638749.70	
13471.00	92.88	270.04	7558.94	-66.08	-6249.13	6249.47	4.40	405284.82	638655.77	
13563.00	94.63	271.72	7552.92	-64.67	-6340.91	6341.24	2.63	405286.23	638563.99	
13657.00	93.79	271.28	7546.02	-62.22	-6434.62	6434.92	1.01	405288.68	638470.28	
13751.00	87.41	272.30	7545.03	-59.28	-6528.52	6528.79	6.87	405291.62	638376.38	
13844.00	88.88	272.05	7548.04	-55.76	-6621.40	6621.63	1.60	405295.14	638283.50	
13937.00	90.77	269.36	7548.33	-54.61	-6714.38	6714.60	3.53	405296.29	638190.52	
14038.00	86.14	267.91	7551.05	-57.02	-6815.29	6815.52	4.80	405293.88	638089.61	Last Wft Svy
14111.00	83.80	267.17	7557.45	-60.14	-6887.94	6888.19	3.36	405290.76	638016.96	Proj. To Bit 455H

Poker Lake Unit 455H
Eddy Co, NM



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Plan Data for PIU 455H

Loading Severity Unit: 7300.0001    Traction offsets from dist center

  LTR  INC  AS  TVAL  -NO-5  -E-W  MORTG  EAKING  VIEW  LTR
  (100%)  (100%)  (100%)  (100%)  (100%)  (100%)  (100%)  (100%)  (100%)  (100%)
  0.00  0.00  0.00  0.00  0.00  0.00  4052:50.00  44494.00  0.00  0.00
  -91.6%  0.00  0.00  -91.0%  0.00  0.00  101:57.50  14464.00  0.00  0.00
  7551.00  70.00  248.40  740.00  -1.75  0.00  407:49.15  445257.92  57.00  10.00
  7797.00  70.00  209.40  759.40  1.12  -94.4  407:49.15  445257.92  57.00  10.00
  -134.50  0.00  269.20  753.60  -0.07  0.00  407:49.15  445257.92  57.00  10.00
  4123.10  95.00  29.40  755.00  -6.10  -669.00  4052:40.00  44301.00  0.00  0.00

```

PLAN DATA FOR PLU/ 455H							
Target Set Information:							
Name: RU 455H							
Location: Center from Sack Centre							
Name	TVD	TUD S	N-S	E-W	Northing	Eastng	Sho- Comments
	(USC)	(USC)	(USC)	(USC)	(USC)	(USC)	
PWHL 455H	7656.00	-4259.00	-88.50	-6868.00	40512.40	628016.90	Cutbed
HE 1 For Dwg	7661.00	-4263.00	-88.50	-6868.00	40513.03	628012.41	Cutbed
HE 2 For Dwg	7656.00	-4259.00	-88.50	-6868.00	40512.40	628016.90	Cutbed

```

Plan Data for PLU 4558

Site: PLU 4558
Position:
Offset: is from site center
Northing: 405550.9005ft Latitude: 3°4'48.6"
Easting: 644504.9005ft Longitude: -102°53'55.1"
Elevation Above VAD: 1201.0005ft

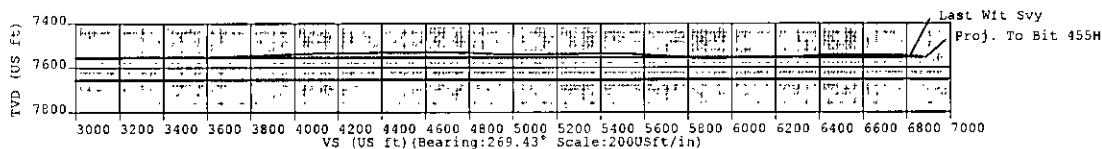
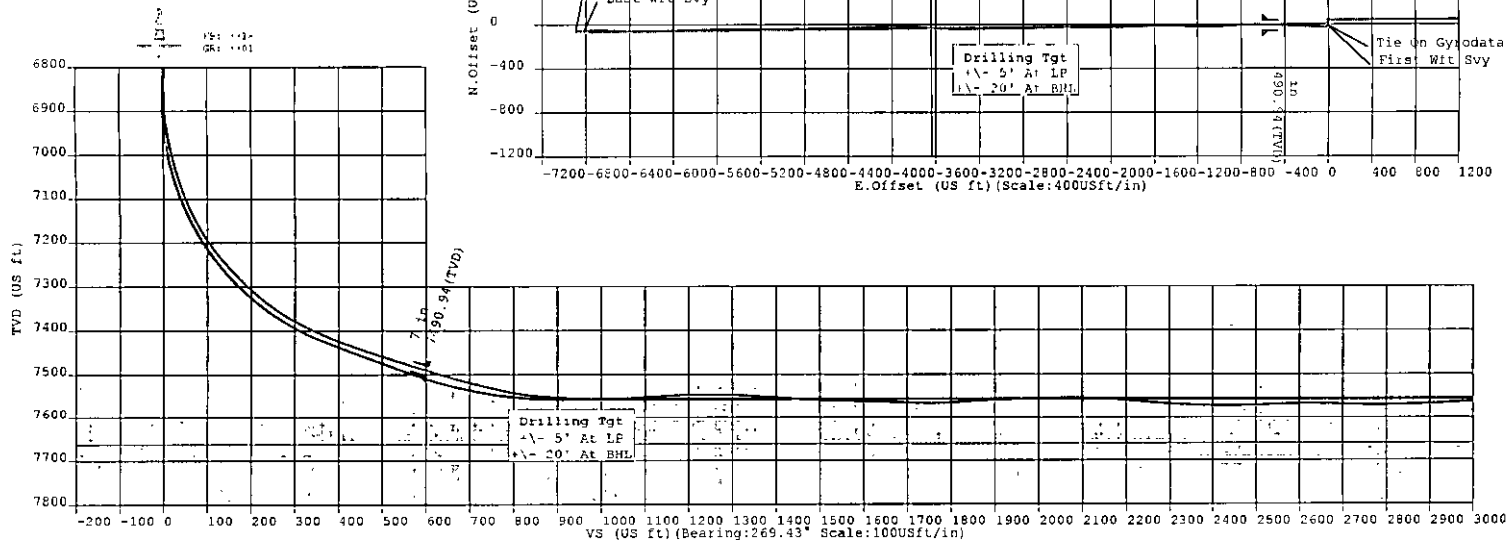
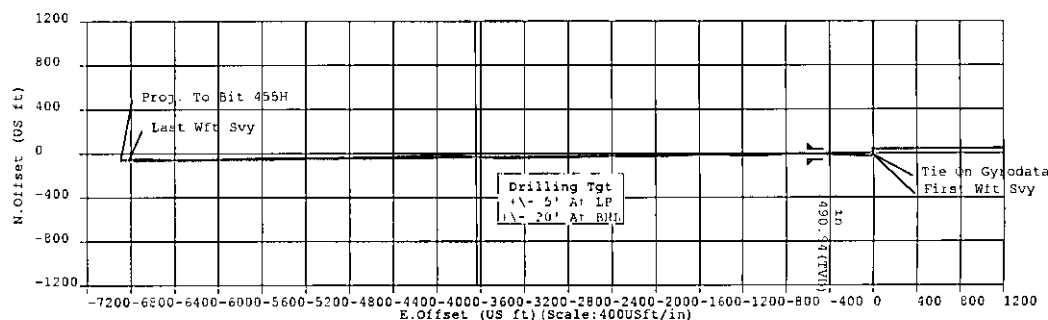
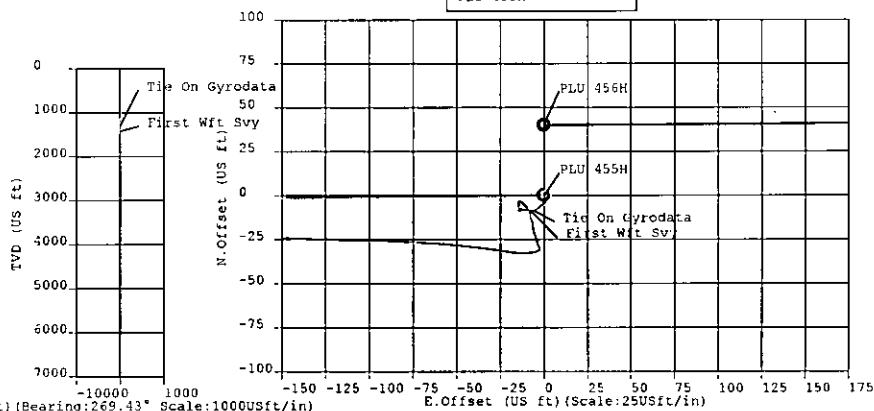
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Plot Data for FWD 455M

      Wall: ECU 455M
      Typ.: Hair-Well
      File Name:
      Plot Folder: 11
      Plane ID/VL:
Vertical Section: Position error = 0.01mm from ZIC center =
              0.0°±0.0002mm           Azimuthal 148.49°
              AL=0.0000mm           AL=0.0000mm
              Magnetic Inclination:
Model: Field Strength: Dwelltime(s)   Steps       Rate
LOM    1914.72         7.33          56.94        2014-10-15

```



Sign Off: Russell Joyner