



Weatherford

Evaluation, Drilling & Intervention
10000 West County Rd. 116
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Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Occidental Permian Ltd.
5 Greenway Plaza Suite 110
Houston Tx 77046

Date: September 9, 2014

Attention: Karina Yustiz

Re: Occidental Permian Ltd
Well: Federal 26 #13H
Eddy County, New Mexico

30-015-41600

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:

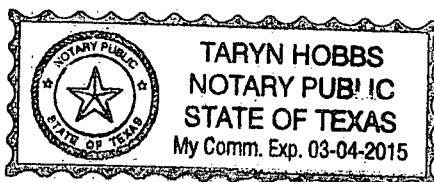
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Jesus Lopez	13H	948' MD	8-20-2014	Measurement
MWD Supervisor		12689' MD	9-05-2014	While Drilling

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.

Jesus Aguilar
MWD Coordinator

On this, the 1st day of October, 2014, 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

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 30 2015

RECEIVED

5D Survey Report

OXY USA

Field Name: *Eddy Co. (NAD27 NME)*

Site Name: *Federal 26 #13H*

Well Name: *Federal 26 #13H*

Survey: *Definitive Survey*

08 September 2014

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 30 2015

RECEIVED



Weatherford®

Federal 26 #13H

Field Name Eddy Co. (NAD27 NME)	Map Units : US ft		Company Name : OXY USA	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD27 / New Mexico East			
Comment :				
Site Name Federal 26 #13H	Units : US ft	North Reference : Grid	Convergence Angle : 0.31	
	Position	Northing : 498339.60 US ft	Latitude : 32° 22' 7.28"	
		Easting : 680942.60 US ft	Longitude : -103° 44' 50.23"	
Elevation above Mean Sea Level: 3574.30 US ft				
Comment :				
Slot Name Federal 26 #13H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing : 498339.60 US ft	Latitude : 32° 22' 7.28"	
	+E / -W : 0.00 US ft	Easting : 680942.60 US ft	Longitude : -103° 44' 50.23"	
Slot TVD Reference : Ground Elevation				
Elevation above Mean Sea Level : 3574.30 US ft				
Comment :				
Well Name Federal 26 #13H	Type : Main well	UWI :		Comment :
	Rig Height <i>Kelly Bushing</i> : 25.00 US ft	Relative to Mean Sea Level: 3599.30 US ft		
	Closure Distance : 4740.07 US ft		Closure Azimuth : 177.556°	
Vertical Section (Position of Origin Relative to Site)				
-+N / -S : 0.00 US ft +E / -W : 0.00 US ft Az : 178.18°				

Target Set

Name : Federal 26 #13H Number of Targets : 1

Comment :

Target Name PBHL Shape Cuboid	Position (Relative to Site centre)			
	+N / -S : -4587.00 US ft	Northing : 493752.60 US ft	Latitude : 32° 21' 21.88"	
	+E / -W : -145.90 US ft	Easting : 681088.50 US ft	Longitude : -103° 44' 48.82"	
TVD (Kelly Bushing) : 8299.30 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				

Survey Name: Definitive Survey

Date : 01/Aug/2014

Survey Tool :

Comment :

Company :

Magnetic Model

Model Name: BGGM

Date: 05/Jun/2014

Field Strength:
48378.5 nT

Declination: 7.47°

Dip: 60.21°

Survey Tool Ranges

Name	Start MD (US ft)	End MD (US ft)	Source Survey
NSG Cont	0.00	882.00	Gyro Svy
MWD	882.00	12747.00	MWD Svy

5D Survey Report

Well path created using minimum curvature

Survey Points (Relative to Site centre, MWD relative to Kelly Bushing)											
MD (USft)	Inc (°)	Az (°)	MWD (USft)	N Offset (USft)	E Offset (USft)	VS (USft)	DLS (°/100 USft)	Northing (USft)	Eastng (USft)	Survey Tool	Comment
0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	498339.60	680942.60	NSG Cont (Gyro Svy)	
82.00	0.23	246.55	82.00	-0.07	-0.15	0.06	0.28	498339.53	680942.45	NSG Cont (Gyro Svy)	
182.00	0.35	234.88	182.00	-0.32	-0.58	0.30	0.13	498339.28	680942.02	NSG Cont (Gyro Svy)	
282.00	0.40	230.24	282.00	-0.72	-1.10	0.68	0.06	498338.88	680941.50	NSG Cont (Gyro Svy)	
382.00	0.46	202.84	381.99	-1.31	-1.53	1.26	0.21	498338.29	680941.07	NSG Cont (Gyro Svy)	
482.00	0.49	202.21	481.99	-2.08	-1.84	2.02	0.03	498337.52	680940.76	NSG Cont (Gyro Svy)	
582.00	0.59	193.76	581.99	-2.98	-2.13	2.91	0.13	498336.62	680940.47	NSG Cont (Gyro Svy)	
682.00	0.69	201.83	681.98	-4.03	-2.48	3.95	0.13	498335.57	680940.12	NSG Cont (Gyro Svy)	
782.00	0.82	200.21	781.97	-5.26	-2.95	5.17	0.13	498334.34	680939.65	NSG Cont (Gyro Svy)	
882.00	0.60	193.41	881.96	-6.45	-3.31	6.34	0.24	498333.15	680939.29	NSG Cont (Gyro Svy)	Tie on Gyro Svy
948.00	0.84	193.55	947.96	-7.25	-3.51	7.14	0.36	498332.35	680939.09	MWD (MWD Svy)	First MWD Svy
1322.00	0.89	171.07	1321.92	-12.79	-3.70	12.66	0.09	498326.81	680938.90	MWD (MWD Svy)	
1700.00	0.51	146.40	1699.89	-17.09	-2.31	17.01	0.13	498322.51	680940.29	MWD (MWD Svy)	
2077.00	0.29	145.70	2076.88	-19.27	-0.85	19.24	0.06	498320.33	680941.75	MWD (MWD Svy)	
2455.00	0.28	131.83	2454.87	-20.68	0.38	20.68	0.02	498318.92	680942.98	MWD (MWD Svy)	
2831.00	0.36	43.80	2830.87	-20.44	1.88	20.49	0.12	498319.16	680944.48	MWD (MWD Svy)	
3208.00	0.63	21.01	3207.86	-17.65	3.45	17.75	0.09	498321.95	680946.05	MWD (MWD Svy)	
3398.00	0.30	14.87	3397.85	-16.19	3.95	16.31	0.18	498323.41	680946.55	MWD (MWD Svy)	
3586.00	0.70	89.90	3585.84	-15.72	5.22	15.87	0.37	498323.88	680947.82	MWD (MWD Svy)	
3774.00	1.69	94.82	3773.80	-15.95	9.13	16.23	0.53	498323.65	680951.73	MWD (MWD Svy)	
3962.00	2.30	102.60	3961.69	-17.00	15.58	17.49	0.35	498322.60	680958.18	MWD (MWD Svy)	
4149.00	1.73	148.67	4148.58	-20.23	20.71	20.88	0.89	498319.37	680963.31	MWD (MWD Svy)	
4338.00	1.57	147.00	4337.50	-24.84	23.60	25.58	0.09	498314.76	680966.20	MWD (MWD Svy)	
4466.00	1.60	136.50	4465.45	-27.61	25.79	28.41	0.23	498311.99	680968.39	MWD (MWD Svy)	
4614.00	1.11	136.55	4613.41	-30.15	28.19	31.03	0.33	498309.45	680970.79	MWD (MWD Svy)	
4803.00	1.13	129.65	4802.38	-32.67	30.89	33.63	0.07	498306.93	680973.49	MWD (MWD Svy)	
4990.00	0.95	132.52	4989.35	-34.89	33.45	35.94	0.10	498304.71	680976.05	MWD (MWD Svy)	
5179.00	1.05	142.46	5178.32	-37.32	35.66	38.44	0.11	498302.28	680978.26	MWD (MWD Svy)	
5367.00	0.84	338.80	5366.31	-37.40	36.21	38.53	1.00	498302.20	680978.81	MWD (MWD Svy)	
5555.00	1.05	320.16	5554.28	-34.80	34.61	35.88	0.20	498304.80	680977.21	MWD (MWD Svy)	
5745.00	1.11	312.50	5744.25	-32.22	32.14	33.22	0.08	498307.38	680974.74	MWD (MWD Svy)	
5934.00	1.09	313.64	5933.21	-29.74	29.49	30.66	0.02	498309.86	680972.09	MWD (MWD Svy)	
6123.00	1.01	323.69	6122.18	-27.16	27.20	28.01	0.11	498312.44	680969.80	MWD (MWD Svy)	
6312.00	1.09	312.01	6311.15	-24.61	24.88	25.39	0.12	498314.99	680967.48	MWD (MWD Svy)	

5D Survey Report

Survey Points (Relative to Site 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 (%/100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment
6499.00	1.03	325.62	6498.12	-22.03	22.61	22.74	0.14	498317.57	680965.21	MWD (MWD Svy)	
6686.00	1.07	309.47	6685.09	-19.54	20.31	20.17	0.16	498320.06	680962.91	MWD (MWD Svy)	
6874.00	0.93	305.00	6873.06	-17.54	17.70	18.10	0.09	498322.06	680960.30	MWD (MWD Svy)	
7062.00	0.89	302.39	7061.04	-15.89	15.22	16.36	0.03	498323.71	680957.82	MWD (MWD Svy)	
7251.00	0.88	295.09	7250.01	-14.49	12.67	14.88	0.06	498325.11	680955.27	MWD (MWD Svy)	
7440.00	0.35	126.77	7439.01	-14.22	11.82	14.58	0.65	498325.38	680954.42	MWD (MWD Svy)	
7567.00	1.75	131.95	7565.98	-15.74	13.57	16.17	1.10	498323.86	680956.17	MWD (MWD Svy)	
7598.00	3.39	135.28	7596.95	-16.71	14.57	17.17	5.31	498322.89	680957.17	MWD (MWD Svy)	
7629.00	5.75	138.46	7627.85	-18.53	16.24	19.03	7.65	498321.07	680958.84	MWD (MWD Svy)	
7661.00	8.24	139.87	7659.61	-21.48	18.78	22.07	7.80	498318.12	680961.38	MWD (MWD Svy)	
7692.00	9.52	145.68	7690.24	-25.30	21.66	25.97	5.04	498314.30	680964.26	MWD (MWD Svy)	
7723.00	11.58	149.13	7720.71	-30.08	24.70	30.85	6.95	498309.52	680967.30	MWD (MWD Svy)	
7755.00	13.67	147.46	7751.94	-36.03	28.38	36.91	6.63	498303.57	680970.98	MWD (MWD Svy)	
7786.00	15.07	145.27	7781.97	-42.43	32.65	43.45	4.84	498297.17	680975.25	MWD (MWD Svy)	
7818.00	17.43	145.27	7812.69	-49.79	37.75	50.96	7.37	498289.81	680980.35	MWD (MWD Svy)	
7849.00	19.37	145.99	7842.10	-57.87	43.27	59.21	6.30	498281.73	680985.87	MWD (MWD Svy)	
7881.00	21.06	147.01	7872.13	-67.09	49.37	68.62	5.39	498272.51	680991.97	MWD (MWD Svy)	
7912.00	24.07	148.29	7900.75	-77.14	55.73	78.87	9.84	498262.46	680998.33	MWD (MWD Svy)	
7944.00	26.80	148.62	7929.65	-88.85	62.92	90.81	8.54	498250.75	681005.52	MWD (MWD Svy)	
7975.00	29.77	150.18	7956.94	-101.50	70.39	103.68	9.87	498238.10	681012.99	MWD (MWD Svy)	
8007.00	32.36	153.63	7984.35	-116.07	78.14	118.49	9.82	498223.53	681020.74	MWD (MWD Svy)	
8038.00	35.34	155.09	8010.10	-131.64	85.60	134.29	9.96	498207.96	681028.20	MWD (MWD Svy)	
8070.00	38.58	156.34	8035.66	-149.17	93.51	152.07	10.39	498190.43	681036.11	MWD (MWD Svy)	
8101.00	41.13	158.60	8059.46	-167.52	101.11	170.65	9.46	498172.08	681043.71	MWD (MWD Svy)	
8132.00	44.22	160.40	8082.25	-187.21	108.46	190.56	10.72	498152.39	681051.06	MWD (MWD Svy)	
8164.00	47.69	161.52	8104.49	-208.95	115.95	212.52	11.13	498130.65	681058.55	MWD (MWD Svy)	
8195.00	50.63	163.46	8124.77	-231.31	123.00	235.10	10.60	498108.29	681065.60	MWD (MWD Svy)	
8227.00	53.31	165.20	8144.48	-255.58	129.80	259.57	9.41	498084.02	681072.40	MWD (MWD Svy)	
8259.00	56.08	168.68	8162.97	-281.01	135.69	285.18	12.40	498058.59	681078.29	MWD (MWD Svy)	
8290.00	58.37	170.66	8179.76	-306.65	140.35	310.95	9.13	498032.95	681082.95	MWD (MWD Svy)	
8321.00	60.59	173.30	8195.50	-333.09	144.07	337.50	10.25	498006.51	681086.67	MWD (MWD Svy)	
8353.00	62.70	174.58	8210.70	-361.09	147.04	365.58	7.47	497978.51	681089.64	MWD (MWD Svy)	
8384.00	65.08	173.31	8224.34	-388.77	149.98	393.34	8.51	497950.83	681092.58	MWD (MWD Svy)	
8416.00	66.58	174.21	8237.44	-417.79	153.15	422.44	5.34	497921.81	681095.75	MWD (MWD Svy)	
8447.00	69.39	174.11	8249.06	-446.38	156.08	451.11	9.07	497893.22	681098.68	MWD (MWD Svy)	

5D Survey Report

Survey Points (Relative to Site centre, NVD relative to Kelly Bushing)											
MD (US-ft)	Inc (°)	Az (°)	IVD (US-ft)	N-Offset (US-ft)	E-Offset (US-ft)	VS (US-ft)	DLS (P/100 US-ft)	Northing (US-ft)	Easting (US-ft)	Survey Tool	Comment
8478.00	71.37	175.38	8259.47	-475.45	158.75	480.26	7.46	497864.15	681101.35	MWD (MWD Svy)	
8510.00	73.08	176.86	8269.24	-505.86	160.81	510.71	6.92	497833.74	681103.41	MWD (MWD Svy)	
8541.00	74.41	178.21	8277.92	-535.59	162.09	540.46	5.99	497804.01	681104.69	MWD (MWD Svy)	
8573.00	76.11	178.68	8286.06	-566.52	162.93	571.41	5.50	497773.08	681105.53	MWD (MWD Svy)	
8604.00	78.41	180.17	8292.89	-596.75	163.23	601.64	8.78	497742.85	681105.83	MWD (MWD Svy)	
8636.00	81.06	179.65	8298.60	-628.24	163.28	633.11	8.43	497711.36	681105.88	MWD (MWD Svy)	
8667.00	83.08	180.57	8302.87	-658.94	163.22	663.79	7.15	497680.66	681105.82	MWD (MWD Svy)	
8699.00	85.59	180.61	8306.03	-690.78	162.89	695.60	7.84	497648.82	681105.49	MWD (MWD Svy)	
8730.00	87.75	180.19	8307.83	-721.72	162.68	726.53	7.10	497617.88	681105.28	MWD (MWD Svy)	
8762.00	89.02	179.42	8308.73	-753.71	162.78	758.50	4.64	497585.89	681105.38	MWD (MWD Svy)	
8793.00	89.58	179.29	8309.11	-784.71	163.13	789.49	1.85	497554.89	681105.73	MWD (MWD Svy)	
8825.00	89.72	179.57	8309.31	-816.70	163.45	821.48	0.98	497522.90	681106.05	MWD (MWD Svy)	
8888.00	90.07	181.34	8309.42	-879.70	162.95	884.43	2.86	497459.90	681105.55	MWD (MWD Svy)	
8982.00	90.00	179.83	8309.37	-973.69	161.99	978.35	1.61	497365.91	681104.59	MWD (MWD Svy)	
9067.00	91.54	181.06	8308.22	-1058.68	161.33	1063.27	2.32	497280.92	681103.93	MWD (MWD Svy)	
9136.00	90.56	182.22	8306.96	-1127.64	159.36	1132.13	2.20	497211.96	681101.96	MWD (MWD Svy)	
9231.00	89.86	183.56	8306.61	-1222.51	154.57	1226.80	1.59	497117.09	681097.17	MWD (MWD Svy)	
9325.00	90.49	183.60	8306.32	-1316.33	148.70	1320.39	0.67	497023.27	681091.30	MWD (MWD Svy)	
9419.00	91.18	183.51	8304.95	-1410.14	142.87	1413.96	0.74	496929.46	681085.47	MWD (MWD Svy)	
9513.00	90.00	183.30	8303.99	-1503.96	137.29	1507.56	1.28	496835.64	681079.89	MWD (MWD Svy)	
9607.00	88.46	182.22	8305.25	-1597.84	132.76	1601.25	2.00	496741.76	681075.36	MWD (MWD Svy)	
9702.00	87.89	179.82	8308.28	-1692.77	131.07	1696.08	2.60	496646.83	681073.67	MWD (MWD Svy)	
9795.00	88.32	180.17	8311.35	-1785.72	131.08	1788.98	0.60	496553.88	681073.68	MWD (MWD Svy)	
9890.00	91.05	179.81	8311.87	-1880.71	131.10	1883.92	2.90	496458.89	681073.70	MWD (MWD Svy)	
9984.00	90.28	180.41	8310.78	-1974.70	130.92	1977.86	1.04	496364.90	681073.52	MWD (MWD Svy)	
10078.00	91.26	180.88	8309.52	-2068.69	129.86	2071.77	1.16	496270.91	681072.46	MWD (MWD Svy)	
10172.00	89.86	180.05	8308.60	-2162.67	129.09	2165.68	1.73	496176.93	681071.69	MWD (MWD Svy)	
10266.00	90.14	179.58	8308.60	-2256.67	129.40	2259.64	0.58	496082.93	681072.00	MWD (MWD Svy)	
10361.00	91.40	178.61	8307.32	-2351.65	130.90	2354.62	1.67	495987.95	681073.50	MWD (MWD Svy)	
10455.00	89.58	179.07	8306.52	-2445.62	132.80	2448.61	2.00	495893.98	681075.40	MWD (MWD Svy)	
10549.00	89.02	177.89	8307.67	-2539.58	135.29	2542.60	1.39	495800.02	681077.89	MWD (MWD Svy)	
10643.00	88.88	176.32	8309.39	-2633.44	140.04	2636.56	1.68	495706.16	681082.64	MWD (MWD Svy)	
10738.00	91.05	177.29	8309.45	-2728.29	145.34	2731.53	2.50	495611.31	681087.94	MWD (MWD Svy)	
10832.00	92.10	176.17	8306.87	-2822.10	150.69	2825.46	1.63	495517.50	681093.29	MWD (MWD Svy)	
10927.00	89.37	177.25	8305.65	-2916.92	156.15	2920.41	3.09	495422.68	681098.75	MWD (MWD Svy)	

5D Survey Report

Survey Points (Relative to Site 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 (%/100 US ft)	Northing (US ft)	Easting (US ft)	Survey Tool	Comment
11021.00	89.09	177.24	8306.91	-3010.80	160.66	3014.39	0.30	495328.80	681103.26	MWD (MWD Svy)	
11116.00	88.46	176.09	8308.94	-3105.62	166.19	3109.33	1.38	495233.98	681108.79	MWD (MWD Svy)	
11210.00	90.49	176.16	8309.80	-3199.40	172.54	3203.26	2.16	495140.20	681115.14	MWD (MWD Svy)	
11305.00	91.68	177.02	8308.00	-3294.21	178.19	3298.21	1.55	495045.39	681120.79	MWD (MWD Svy)	
11399.00	90.35	178.38	8306.34	-3388.11	181.96	3392.18	2.02	494951.49	681124.56	MWD (MWD Svy)	
11493.00	90.77	176.97	8305.42	-3482.03	185.77	3486.17	1.57	494857.57	681128.37	MWD (MWD Svy)	
11587.00	89.72	177.62	8305.02	-3575.92	190.21	3580.16	1.31	494763.68	681132.81	MWD (MWD Svy)	
11682.00	89.37	179.58	8305.77	-3670.89	192.53	3675.15	2.10	494668.71	681135.13	MWD (MWD Svy)	
11776.00	89.51	179.32	8306.69	-3764.88	193.43	3769.12	0.31	494574.72	681136.03	MWD (MWD Svy)	
11870.00	90.21	179.14	8306.92	-3858.87	194.70	3863.10	0.77	494480.73	681137.30	MWD (MWD Svy)	
11965.00	89.23	178.95	8307.38	-3953.85	196.28	3958.09	1.05	494385.75	681138.88	MWD (MWD Svy)	
12059.00	90.63	178.42	8307.50	-4047.82	198.44	4052.08	1.59	494291.78	681141.04	MWD (MWD Svy)	
12154.00	90.70	178.58	8306.40	-4142.79	200.92	4147.08	0.18	494196.81	681143.52	MWD (MWD Svy)	
12248.00	90.14	179.72	8305.71	-4236.77	202.32	4241.06	1.35	494102.83	681144.92	MWD (MWD Svy)	
12342.00	90.00	180.17	8305.59	-4330.77	202.41	4335.01	0.50	494008.83	681145.01	MWD (MWD Svy)	
12437.00	90.07	180.40	8305.54	-4425.77	201.94	4429.95	0.25	493913.83	681144.54	MWD (MWD Svy)	
12532.00	90.63	179.07	8304.95	-4520.76	202.38	4524.91	1.52	493818.84	681144.98	MWD (MWD Svy)	
12626.00	90.35	180.52	8304.15	-4614.76	202.71	4618.87	1.57	493724.84	681145.31	MWD (MWD Svy)	
12689.00	89.72	180.17	8304.11	-4677.76	202.33	4681.82	1.14	493661.84	681144.93	MWD (MWD Svy)	Last MWD Svy
12747.00	89.72	180.17	8304.40	-4735.75	202.16	4739.79	0.00	493603.85	681144.76	MWD (MWD Svy)	Proj To Bit



Federal 26 #13H
Eddy Co., New Mexico

Plan Data for Federal 26 #13H
Site: Federal 26 #13H
Unit: USFeet TVD Reference:
Company Name:
Position: Northing: 498339.60Usft Latitude: 32.368689°
Easting: 680542.60Usft Longitude: -103.747285°
North Reference: Grid Grid Convergence: 0.31°
Elevation Above VRD: 3574.30Usft

Plan Data for Federal 26 #13H

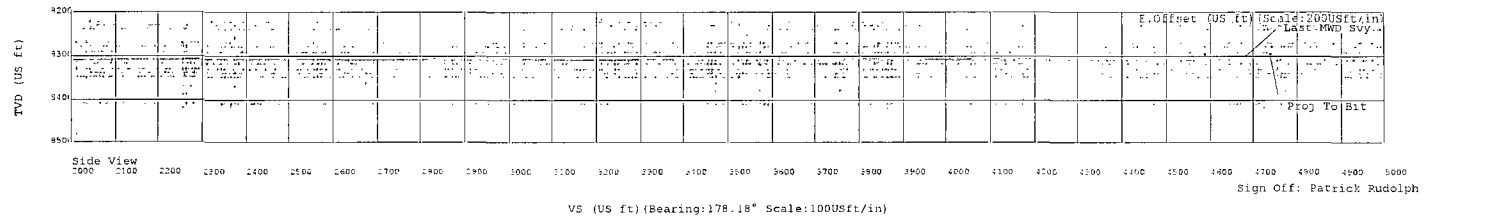
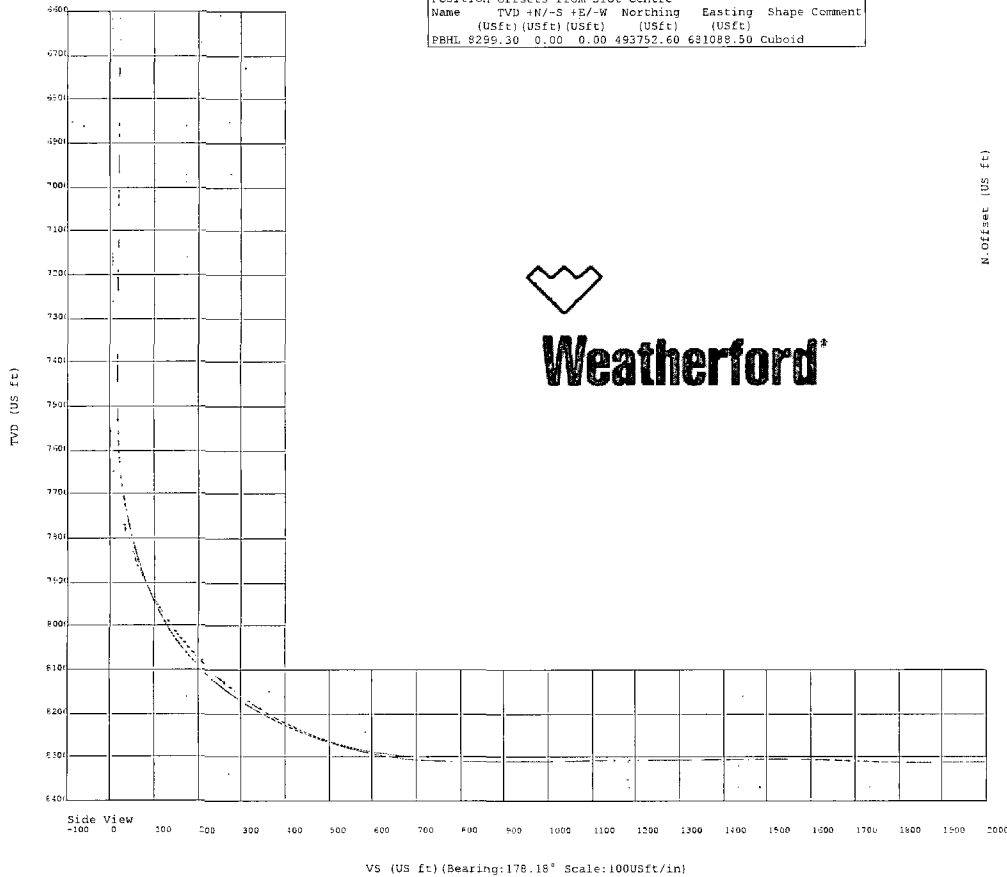
Dogleg Severity Unit: °/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	Lat	Long	VSec	DLS
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(°)	(°)	(USft)	(DLSU)
0.00	0.00	0.00	0.00	0.00	0.00	32.368689	-103.747285	0.00	0.00
7559.77	0.00	0.00	7559.77	0.00	0.00	32.368689	-103.747285	0.00	0.00
7872.27	25.00	152.70	7862.45	-59.63	30.78	32.368524	-103.747186	60.58	8.00
8720.80	90.00	179.71	8299.30	-722.65	126.61	32.366700	-103.746888	726.31	8.00
12585.20	90.00	179.71	8299.30	-4587.00	145.90	32.356078	-103.746894	4589.32	0.00
12735.20	90.00	179.71	8299.30	-4737.00	146.65	32.355666	-103.746894	4739.27	0.00

Plan Data for Federal 26 #13H

Target Set Information:
Name: Federal26#13H
Position offsets from Slot centre
Name TVD +N/-S +E/-W Northing Easting Shape Comment
(USft) (USft) (USft) (USft) (USft)
PBHL 8299.30 0.00 0.00 493752.60 631088.50 Cuboid

KB:3574.3
GL:3599.3



OXY USA INC.
Federal 26 #13H
API No. 30-015-41600

14-3/4" hole @ 910'
11-3/4" csg @ 900'
w/580sx-TOC-Surf-Circ.

10-5/8" hole @ 4532'
8-5/8" csg @ 4520'
w/ 1455sx-TOC-Surf-Circ.

7-7/8" hole @ 12747'
5-1/2" csg @ 12730'
DVT @ 4603'
w/ 2140sx-TOC-Surf-Circ.

2-7/8" tbg & ESP @ 7521'

Perfs @ 8671-12560'

TD- 12747'M 8304'V