

A Gyrodata Directional Survey

FINAL DEFINITIVE COPY

for

BOPCO, LP

Lease: PLU CVX JV PB Well: 007H, 13 3/8" CASING

Location: MCVAY DRILLING RIG #1, EDDY COUNTY, NEW MEXICO

Job Number: MD1114GVCW1150

Run Date: 30 Nov 2014

Report Generated: 08 Dec 2014 03:00

Surveyor: John Macer, Christopher Ellis

Calculation Method: MINIMUM CURVATURE

Survey surface coordinates obtained from: Well Plan/Plot

Survey Latitude: 32.121575 deg. N Longitude: 103.806300 deg. W

Azimuth Correction:

Gyro: -0.28000 deg to Grid North

Proposed Well Direction: 179.740 deg

Depth Reference: Rotary Table

Air Gap (RKB to Ground / RKB to MSL): 20.00

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

NM OIL CONSERVATION
ARTESIA DISTRICT
MAY 27 2016

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A Gyrodata Directional Survey

BOPCO, LP

Lease: POKER LAKE FIELD Well: 007H, 13 3/8" CASING

Location: MCVAY DRILLING RIG #1, EDDY COUNTY, NEW MEXICO

Job Number: MD1114GVCW1150

MEASURED DEPTH	INCL	AZIMUTH	DOGLEG SEVERITY	VERTICAL DEPTH	CLOSURE DIST.	AZIMUTH	HORIZONTAL COORDINATES
feet	deg.	deg.	deg./ 100 ft.	feet	feet	deg.	feet

0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.00 E
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0 TO 1,012 FT. RATE GYROSCOPIC VERTICAL CONTINUOUS SURVEY RUN INSIDE 13 3/8" DRILLPIPE
ALL MEASURED DEPTHS AND COORDINATES ARE REFERENCED TO MCVAY DRILLING RIG #1 AND R.K.B. HEIGHT OF 20 FT.

100.00	0.57	223.21	0.57	100.00	0.5	223.2	0.36 S
200.00	0.49	203.04	0.20	199.99	1.4	217.2	1.12 S
300.00	0.59	229.43	0.27	299.99	2.3	217.4	1.84 S
400.00	0.47	216.70	0.17	399.99	3.2	219.2	2.51 S
500.00	0.20	260.38	0.35	499.98	3.8	220.6	2.86 S
600.00	1.09	352.37	1.11	599.98	3.4	234.7	1.95 S
700.00	1.34	353.23	0.25	699.96	3.0	272.9	0.15 N
800.00	1.54	5.73	0.37	799.92	4.0	311.3	2.65 N
900.00	2.17	359.41	0.67	899.87	6.6	333.7	5.88 N
1000.00	2.38	5.03	0.30	999.79	10.2	344.4	9.84 N
1011.00	2.45	5.49	0.70	1010.78	10.7	345.3	10.30 N
							2.70 W

Final Station Closure: Distance: 10.65 ft Az: 345.31 deg.

A Gyrodata Directional Survey

BOPCO, LP

Lease: POKER LAKE FIELD Well: 007H, 13 3/8" CASING

Location: MCVAY DRILLING RIG #1, EDDY COUNTY, NEW MEXICO

Job Number: MD1114GVCW1150

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.00 E

0 TO 1,012 FT. RATE GYROSCOPIC VERTICAL CONTINUOUS SURVEY RUN INSIDE 13 3/8" DRILLPIPE
ALL MEASURED DEPTHS AND COORDINATES ARE REFERENCED TO MCVAY DRILLING RIG # 1 AND R.K.B. HEIGHT OF 20 FT.

100.00	0.57	223.21	0.57	100.00	0.5	223.2	0.36 S	0.34 W
200.00	0.49	203.04	0.20	199.99	1.4	217.2	1.12 S	0.85 W
300.00	0.59	229.43	0.27	299.99	2.3	217.4	1.84 S	1.41 W
400.00	0.47	216.70	0.17	399.99	3.2	219.2	2.51 S	2.05 W
500.00	0.20	260.38	0.35	499.98	3.8	220.6	2.86 S	2.46 W
600.00	1.09	352.37	1.11	599.98	3.4	234.7	1.95 S	2.75 W
700.00	1.34	353.23	0.25	699.96	3.0	272.9	0.15 N	3.02 W
800.00	1.54	5.73	0.37	799.92	4.0	311.3	2.65 N	3.02 W
900.00	2.17	359.41	0.67	899.87	6.6	333.7	5.88 N	2.91 W
1000.00	2.38	5.03	0.30	999.79	10.2	344.4	9.84 N	2.74 W
1011.00	2.45	5.49	0.70	1010.78	10.7	345.3	10.30 N	2.70 W

Final Station Closure: Distance: 10.65 ft Az: 345.31 deg.



Weatherford

Evaluation, Drilling & Intervention

10000 West County Rd. 116

P.O. Box 61028

Midland, TX USA 79711

Tel. (432) 561-8892 Fax (432) 561-8895

BOPCO, LP
PO Box 2760
Midland, TX 79702

Date: January, 6 2015

Attention: Brian Braun

Re: BOPCO, LP
Well: Poker Lake Unit CVX JV PB 007H
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:

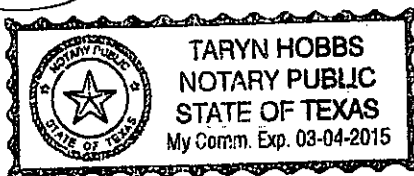
<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Chris Hinterlach MWD Supervisor	007H	1207 MD 16939 MD	11/28/2014 12/27/2014	Measurement While Drilling

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 2nd day of January, 2015, before me a notary public, the undersigned officer, personally appeared Jesse 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 CVX JV PB 007H,034H Pad*

Well Name: *PLU CVX JV PB 007H*

Survey: *Wft MWD Svy*

29 December 2014



Weatherford®

PLU: CVX JV PB 007H



Map Units : US ft

Company Name : BOPCO, L.P.

Vertical Reference Datum (VRD) : Mean Sea Level

Projected Coordinate System : NAD27 / New Mexico East

Comment :



Units : US ft

North Reference : Grid

Convergence Angle : 0.28

Position

Northing : 408350.10 US ft

Latitude : 32° 7' 17.67"

Easting : 663162.30 US ft

Longitude : -103° 48' 22.68"

Elevation above Mean Sea Level: 3377.00 US ft

Comment :



Position (Offsets relative to Site Centre)

+N / -S : 0.00 US ft Northing : 408350.10 US ft

Latitude : 32° 7' 17.67"

+E / -W : 0.00 US ft Easting : 663162.30 US ft

Longitude : -103° 48' 22.68"

Slot TVD Reference : Ground Elevation

Elevation above Mean Sea Level : 3377.00 US ft

Comment :



Type : Main well

UWI :

Rig Height Kelly Bushing : 20.00 US ft

Comment :

Relative to Mean Sea Level: 3397.00 US ft

Closure Distance : 7092.11 US ft

Closure Azimuth : 179.489°

Vertical Section (Position of Origin Relative to Slot)

+N / -S : 0.00 US ft +E / -W : 0.00 US ft Az : 179.66°

Survey Name: WFMWDSvy

Date : 02/Dec/2014

Survey Tool : MWD

Comment :

Company : Wft

(Magnetic Model)

Model Name: BGGM

Date: 05/Dec/2014

Field Strength:

Declination: 7.43°

Dip: 59.96°

48159.8 nT

Tie Point

MD: 1011

Inclination: 2.45 Azimuth: 5.49

TVD: 1010.78

North Offset: 10.3002 East Offset: -2.7

Casing Points (Relative to Slot centre, TVD relative to Kelly Bushing)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	H. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	Name
4220.00	0.38	201.42	4219.48	16.39	-1.90	408366.49	663160.40	9 5/8 In

Well path created using minimum curvature

Survey Points (Relative to Slot centre, TVD relative to Kelly Bushing)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	H. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (77100 US ft)	Northing (US ft)	Easting (US ft)	Comment
1207.00	2.41	10.49	1206.61	18.52	-1.55	-18.53	0.00	408368.62	663160.75	First Wft Svy 007H
1303.00	1.57	9.08	1302.55	21.81	-0.97	-21.81	0.88	408371.91	663161.33	
1398.00	0.41	336.12	1397.53	23.40	-0.91	-23.41	1.31	408373.50	663161.39	
1461.00	0.42	257.59	1460.53	23.56	-1.22	-23.56	0.83	408373.66	663161.08	
1556.00	0.22	249.12	1555.53	23.42	-1.73	-23.43	0.22	408373.52	663160.57	
1652.00	0.14	230.11	1651.53	23.28	-2.00	-23.29	0.10	408373.38	663160.30	
1747.00	0.00	0.00	1746.53	23.20	-2.08	-23.21	0.15	408373.30	663160.22	

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 (%/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
1842.00	0.55	80.98	1841.53	23.27	-1.63	-23.28	0.58	408373.37	663160.67	
1937.00	0.29	167.76	1936.53	23.11	-1.13	-23.12	0.64	408373.21	663161.17	
2033.00	0.10	179.47	2032.53	22.79	-1.08	-22.80	0.20	408372.89	663161.22	
2128.00	0.14	231.74	2127.52	22.63	-1.17	-22.64	0.12	408372.73	663161.13	
2317.00	0.16	1.40	2316.52	22.76	-1.35	-22.76	0.14	408372.86	663160.95	
2413.00	0.20	6.80	2412.52	23.06	-1.32	-23.06	0.05	408373.16	663160.98	
2508.00	0.10	35.84	2507.52	23.29	-1.25	-23.30	0.13	408373.39	663161.05	
2603.00	0.00	0.00	2602.52	23.36	-1.21	-23.36	0.11	408373.46	663161.09	
2698.00	0.16	290.99	2697.52	23.40	-1.33	-23.41	0.17	408373.50	663160.97	
2794.00	0.16	227.67	2793.52	23.36	-1.55	-23.37	0.17	408373.46	663160.75	
2889.00	0.16	85.41	2888.52	23.28	-1.52	-23.29	0.32	408373.38	663160.78	
2984.00	0.10	145.41	2983.52	23.22	-1.34	-23.23	0.15	408373.32	663160.96	
3080.00	0.10	184.11	3079.52	23.07	-1.30	-23.08	0.07	408373.17	663161.00	
3175.00	0.07	228.03	3174.52	22.95	-1.35	-22.96	0.07	408373.05	663160.95	
3271.00	0.22	158.31	3270.52	22.74	-1.32	-22.75	0.22	408372.84	663160.98	
3365.00	0.31	152.65	3364.52	22.35	-1.14	-22.35	0.10	408372.45	663161.16	
3460.00	0.36	153.93	3459.52	21.85	-0.89	-21.85	0.05	408371.95	663161.41	
3555.00	0.91	141.09	3554.51	20.99	-0.29	-21.00	0.59	408371.09	663162.01	
3651.00	0.53	153.78	3650.51	20.00	0.39	-20.00	0.43	408370.10	663162.69	
3745.00	0.69	270.70	3744.50	19.62	0.02	-19.62	1.11	408369.72	663162.32	
3841.00	0.72	264.86	3840.50	19.57	-1.16	-19.58	0.08	408369.67	663161.14	
3936.00	0.60	192.12	3935.49	19.03	-1.86	-19.04	0.83	408369.13	663160.44	
4031.00	0.66	169.02	4030.49	18.01	-1.86	-18.02	0.27	408368.11	663160.44	
4156.00	0.44	187.99	4155.48	16.83	-1.79	-16.84	0.23	408366.93	663160.51	
4220.00	0.38	201.42	4219.48	16.39	-1.90	-16.40	0.17	408366.49	663160.40	9 5/8 in
4298.00	0.35	222.26	4297.48	15.97	-2.16	-15.98	0.17	408366.07	663160.14	
4393.00	0.36	213.03	4392.47	15.50	-2.52	-15.52	0.06	408365.60	663159.78	
4489.00	0.25	223.65	4488.47	15.10	-2.83	-15.11	0.13	408365.20	663159.47	
4680.00	0.25	268.87	4679.47	14.79	-3.53	-14.81	0.10	408364.89	663158.77	
4870.00	0.42	274.51	4869.47	14.83	-4.64	-14.86	0.09	408364.93	663157.66	
5060.00	0.44	274.70	5059.46	14.95	-6.06	-14.98	0.01	408365.05	663156.24	
5251.00	0.44	285.11	5250.46	15.20	-7.50	-15.24	0.04	408365.30	663154.80	
5441.00	0.43	295.08	5440.45	15.69	-8.85	-15.74	0.04	408365.79	663153.45	
5632.00	0.60	67.39	5631.45	16.38	-8.58	-16.43	0.49	408366.48	663153.72	
5726.00	0.58	68.16	5725.44	16.75	-7.68	-16.79	0.02	408366.85	663154.62	
5822.00	1.20	140.69	5821.43	16.15	-6.59	-16.19	1.21	408366.25	663155.71	
5917.00	1.34	142.52	5916.41	14.50	-5.29	-14.53	0.15	408364.60	663157.01	
6012.00	0.64	157.34	6011.40	13.13	-4.41	-13.15	0.78	408363.23	663157.89	
6108.00	0.70	171.44	6107.39	12.05	-4.11	-12.08	0.18	408362.15	663158.19	
6203.00	0.88	173.66	6202.38	10.75	-3.94	-10.78	0.19	408360.85	663158.36	
6299.00	0.89	170.99	6298.37	9.28	-3.75	-9.31	0.04	408359.38	663158.55	
6394.00	0.94	216.50	6393.36	7.93	-4.09	-7.95	0.75	408358.03	663158.21	
6489.00	1.13	222.12	6488.34	6.61	-5.19	-6.64	0.23	408356.71	663157.11	
6584.00	1.20	223.59	6583.32	5.19	-6.50	-5.23	0.08	408355.29	663155.80	
6680.00	0.29	215.88	6679.31	4.27	-7.34	-4.31	0.95	408354.37	663154.96	
6775.00	0.38	202.00	6774.31	3.78	-7.59	-3.83	0.13	408353.88	663154.71	
6870.00	0.60	202.28	6869.31	3.03	-7.90	-3.08	0.23	408353.13	663154.40	
6965.00	0.70	212.39	6964.30	2.08	-8.40	-2.13	0.16	408352.18	663153.90	
7061.00	0.66	216.72	7060.30	1.14	-9.05	-1.19	0.07	408351.24	663153.25	
7156.00	0.71	207.89	7155.29	0.18	-9.65	-0.24	0.12	408350.28	663152.65	
7251.00	0.77	206.08	7250.28	-0.91	-10.20	0.85	0.07	408349.19	663152.10	
7346.00	0.16	290.41	7345.28	-1.44	-10.61	1.38	0.81	408348.66	663151.69	
7536.00	0.07	329.70	7535.28	-1.25	-10.92	1.18	0.06	408348.85	663151.38	
7726.00	0.07	207.81	7725.28	-1.25	-11.03	1.18	0.06	408348.85	663151.27	
7917.00	0.25	206.39	7916.28	-1.73	-11.27	1.66	0.09	408348.37	663151.03	
8109.00	0.14	216.88	8108.28	-2.29	-11.60	2.22	0.06	408347.81	663150.70	
8298.00	0.16	352.28	8297.28	-2.21	-11.77	2.14	0.15	408347.89	663150.53	
8489.00	0.30	233.25	8488.27	-2.25	-12.21	2.17	0.21	408347.85	663150.09	
8679.00	0.84	237.43	8678.26	-3.29	-13.78	3.21	0.28	408346.81	663148.52	

SD Survey Report

Survey Points (Relative to Slat Centre, TVD Relative to Kelly Bushing)										
MD (US ft)	Incl (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	V.S. (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
8774.00	1.24	204.26	8773.25	-4.61	-14.79	4.52	0.74	408345.49	663147.51	
8869.00	0.69	238.67	8868.24	-5.84	-15.70	5.75	0.82	408344.26	663146.60	
8965.00	0.77	244.47	8964.23	-6.42	-16.77	6.32	0.11	408343.68	663145.53	
9060.00	0.56	159.30	9059.22	-7.13	-17.19	7.03	0.96	408342.97	663145.11	
9155.00	0.60	172.38	9154.22	-8.06	-16.96	7.95	0.15	408342.04	663145.34	
9250.00	0.95	174.67	9249.21	-9.33	-16.82	9.23	0.37	408340.77	663145.48	
9346.00	0.70	179.82	9345.20	-10.71	-16.74	10.61	0.27	408339.39	663145.56	
9464.00	0.94	189.53	9463.19	-12.39	-16.90	12.29	0.23	408337.71	663145.40	
9496.00	1.28	190.97	9495.18	-13.00	-17.01	12.90	1.07	408337.10	663145.29	
9528.00	2.75	182.36	9527.16	-14.11	-17.11	14.01	4.68	408335.99	663145.19	
9560.00	5.28	174.40	9559.08	-16.35	-17.00	16.25	8.08	408333.75	663145.30	
9591.00	8.11	174.16	9589.87	-19.94	-16.64	19.84	9.13	408330.16	663145.66	
9623.00	11.08	173.75	9621.41	-25.25	-16.07	25.15	9.28	408324.85	663146.23	
9655.00	13.72	173.91	9652.67	-32.08	-15.33	31.99	8.25	408318.02	663146.97	
9687.00	16.67	174.88	9683.54	-40.42	-14.52	40.34	9.25	408309.68	663147.78	
9719.00	19.50	177.20	9713.96	-50.33	-13.85	50.25	9.12	408299.77	663148.45	
9750.00	21.91	178.65	9742.96	-61.28	-13.46	61.20	7.95	408288.82	663148.84	
9782.00	24.43	179.46	9772.37	-73.87	-13.26	73.79	7.94	408276.23	663149.04	
9814.00	27.12	180.18	9801.19	-87.78	-13.22	87.70	8.46	408262.32	663149.08	
9845.00	29.84	181.03	9828.43	-102.56	-13.38	102.48	8.87	408247.54	663148.92	
9877.00	32.92	180.11	9855.75	-119.22	-13.54	119.14	9.74	408230.88	663148.76	
9909.00	35.63	179.43	9882.19	-137.24	-13.46	137.16	8.55	408212.86	663148.84	
9941.00	38.53	178.58	9907.72	-156.53	-13.12	156.45	9.20	408193.57	663149.18	
9973.00	41.58	178.35	9932.21	-177.11	-12.57	177.04	9.54	408172.99	663149.73	
10004.00	44.70	178.45	9954.82	-198.30	-11.98	198.23	10.07	408151.80	663150.32	
10036.00	47.75	178.70	9976.96	-221.40	-11.41	221.33	9.55	408128.70	663150.89	
10068.00	51.50	179.11	9997.69	-245.77	-10.94	245.70	11.76	408104.33	663151.36	
10100.00	55.29	179.78	10016.76	-271.45	-10.70	271.38	11.96	408078.65	663151.60	
10132.00	58.89	180.06	10034.15	-298.31	-10.66	298.24	11.27	408051.79	663151.64	
10164.00	63.40	180.08	10049.59	-326.33	-10.70	326.26	14.09	408023.77	663151.60	
10195.00	67.33	179.84	10062.51	-354.50	-10.68	354.43	12.70	407995.60	663151.62	
10227.00	69.57	180.17	10074.26	-384.26	-10.68	384.19	7.07	407965.84	663151.62	
10259.00	70.53	180.47	10085.18	-414.34	-10.85	414.27	3.13	407935.76	663151.45	
10291.00	71.20	180.55	10095.67	-444.57	-11.12	444.50	2.11	407905.53	663151.18	
10322.00	71.79	180.42	10105.51	-473.97	-11.37	473.89	1.94	407876.13	663150.93	
10354.00	72.31	180.50	10115.37	-504.41	-11.61	504.33	1.64	407845.69	663150.69	
10386.00	72.81	180.62	10124.96	-534.94	-11.91	534.86	1.60	407815.16	663150.39	
10418.00	73.12	180.54	10134.33	-565.53	-12.22	565.45	1.00	407784.57	663150.08	
10449.00	74.35	180.73	10143.01	-595.29	-12.55	595.20	4.01	407754.81	663149.75	
10481.00	75.52	180.42	10151.33	-626.19	-12.86	626.10	3.77	407723.91	663149.44	
10513.00	76.31	180.34	10159.12	-657.22	-13.06	657.13	2.48	407692.88	663149.24	
10545.00	77.39	180.66	10166.40	-688.38	-13.34	688.29	3.51	407661.72	663148.96	
10576.00	79.30	180.94	10172.66	-718.74	-13.76	718.64	6.22	407631.36	663148.54	
10608.00	80.38	181.57	10178.31	-750.23	-14.45	750.13	3.89	407599.87	663147.85	
10640.00	81.43	181.86	10183.36	-781.81	-15.40	781.71	3.40	407568.29	663146.90	
10672.00	83.42	181.85	10187.58	-813.51	-16.42	813.40	6.22	407536.59	663145.88	
10704.00	85.31	181.30	10190.72	-845.35	-17.30	845.23	6.15	407504.75	663145.00	
10735.00	87.06	181.23	10192.79	-876.27	-17.98	876.15	5.65	407473.83	663144.32	
10767.00	88.53	180.72	10194.02	-908.24	-18.52	908.11	4.86	407441.86	663143.78	
10799.00	89.86	180.20	10194.47	-940.23	-18.78	940.11	4.46	407409.87	663143.52	
10831.00	90.49	179.92	10194.37	-972.23	-18.82	972.11	2.15	407377.87	663143.48	
10867.00	91.05	179.17	10193.89	-1008.23	-18.53	1008.10	2.60	407341.87	663143.77	
10925.00	91.85	179.76	10192.42	-1066.21	-17.99	1066.08	1.71	407283.89	663144.31	
11020.00	89.75	180.80	10191.09	-1161.19	-18.45	1161.06	2.47	407188.91	663143.85	
11115.00	89.88	178.79	10191.40	-1256.18	-18.11	1256.06	2.12	407093.92	663144.19	
11211.00	89.82	179.54	10191.65	-1352.17	-16.71	1352.05	0.78	406997.93	663145.59	
11306.00	90.93	180.02	10191.03	-1447.17	-16.35	1447.05	1.27	406902.93	663145.95	
11402.00	90.62	182.57	10189.73	-1543.13	-18.52	1542.99	2.68	406806.97	663143.78	
11497.00	91.11	184.58	10188.30	-1637.93	-24.44	1637.75	2.18	406712.17	663137.86	

5D Survey Report

Survey Points (Relative to Slot centre) TVD relative to Kelly Bushing											Comment
ND (US ft)	Inc (°)	Az (°)	TVD (US ft)	H. Offset (US ft)	E. Offset (US ft)	VS (US ft)	CLS (°/100 US ft)	Northing (US ft)	Easting (US ft)		
11592.00	90.62	189.16	10186.86	-1732.21	-35.80	1731.97	4.85	406617.89	663126.50		
11688.00	91.48	188.20	10185.10	-1827.09	-50.29	1826.76	1.34	406523.01	663112.01		
11783.00	90.31	184.53	10183.62	-1921.48	-60.81	1921.08	4.05	406428.62	663101.49		
11879.00	90.18	181.86	10183.21	-2017.32	-66.16	2016.89	2.78	406332.78	663096.14		
11975.00	89.94	182.67	10183.11	-2113.24	-69.96	2112.79	0.88	406236.86	663092.34		
12070.00	90.68	182.63	10182.59	-2208.14	-74.35	2207.66	0.78	406141.96	663087.95		
12166.00	91.11	179.58	10181.09	-2304.10	-76.20	2303.60	3.21	406046.00	663086.10		
12262.00	89.88	176.62	10180.26	-2400.03	-73.02	2399.55	3.34	405950.07	663089.28		
12358.00	90.06	177.30	10180.31	-2495.89	-67.93	2495.45	0.73	405854.21	663094.37		
12454.00	89.75	175.72	10180.47	-2591.71	-62.08	2591.30	1.68	405758.39	663100.22		
12550.00	90.12	178.07	10180.58	-2687.56	-56.88	2687.18	2.48	405662.54	663105.42		
12645.00	90.31	177.04	10180.22	-2782.47	-52.83	2782.11	1.10	405567.63	663109.47		
12741.00	90.49	176.06	10179.55	-2878.30	-47.05	2877.97	1.04	405471.80	663115.25		
12837.00	90.37	175.59	10178.83	-2974.04	-40.07	2973.75	0.51	405376.06	663122.23		
12931.00	90.43	174.78	10178.18	-3067.70	-32.18	3067.46	0.86	405282.40	663130.12		
13026.00	90.99	174.57	10177.00	-3162.29	-23.36	3162.09	0.63	405187.81	663138.94		
13122.00	90.49	174.05	10175.76	-3257.81	-13.84	3257.67	0.75	405092.29	663148.46		
13217.00	90.12	173.05	10175.25	-3352.20	-3.17	3352.12	1.12	404997.90	663159.13		
13314.00	90.12	171.71	10175.05	-3448.34	9.69	3448.34	1.38	404901.76	663171.99		
13410.00	90.99	174.41	10174.12	-3543.62	21.29	3543.69	2.95	404806.48	663183.59		
13506.00	90.80	176.84	10172.62	-3639.33	28.61	3639.43	2.54	404710.77	663190.91		
13602.00	90.62	177.85	10171.43	-3735.21	33.06	3735.34	1.07	404614.89	663195.36		
13698.00	89.07	178.36	10171.69	-3831.16	36.23	3831.31	1.70	404518.94	663198.53		
13793.00	90.25	181.59	10172.26	-3926.14	36.27	3926.29	3.62	404423.96	663198.57		
13889.00	90.80	184.85	10171.38	-4021.97	30.88	4022.09	3.44	404328.13	663193.18		
13985.00	91.23	187.35	10169.68	-4117.41	20.68	4117.46	2.64	404232.69	663182.98		
14081.00	91.05	184.49	10167.76	-4212.87	10.79	4212.86	2.98	404137.23	663173.09		
14177.00	91.23	180.71	10165.85	-4308.73	6.43	4308.69	3.94	404041.37	663168.73		
14274.00	90.43	183.18	10164.45	-4405.66	3.14	4405.60	2.68	403944.44	663165.44		
14368.00	91.85	183.94	10162.58	-4499.45	-2.70	4499.36	1.71	403850.65	663159.60		
14463.00	91.79	179.95	10159.56	-4594.33	-5.92	4594.22	4.20	403755.77	663156.38		
14560.00	90.92	178.66	10157.27	-4691.29	-4.74	4691.18	1.60	403658.81	663157.56		
14656.00	90.74	178.88	10155.88	-4787.26	-2.68	4787.16	0.30	403562.84	663159.62		
14752.00	91.05	178.15	10154.38	-4883.22	-0.19	4883.13	0.83	403466.88	663162.11		
14847.00	91.17	176.87	10152.54	-4978.11	3.93	4978.04	1.35	403371.99	663166.23		
14943.00	90.93	177.07	10150.78	-5073.96	9.01	5073.92	0.33	403276.14	663171.31		
15039.00	91.17	176.96	10149.02	-5169.81	14.01	5169.80	0.27	403180.29	663176.31		
15135.00	90.92	177.12	10147.27	-5265.67	18.96	5265.69	0.31	403084.43	663181.26		
15231.00	90.99	178.80	10145.67	-5361.59	22.38	5361.63	1.75	402988.51	663184.68		
15326.00	91.48	182.82	10143.62	-5456.54	21.04	5456.57	4.26	402893.56	663183.34		
15422.00	91.23	181.33	10141.35	-5552.45	17.56	5552.45	1.57	402797.65	663179.86		
15518.00	90.68	178.72	10139.75	-5648.42	17.52	5648.43	2.78	402701.68	663179.82		
15613.00	90.25	177.84	10138.98	-5743.38	20.37	5743.40	1.03	402606.72	663182.67		
15708.00	90.31	177.64	10138.51	-5838.30	24.12	5838.34	0.22	402511.80	663186.42		
15804.00	90.31	177.68	10137.99	-5934.22	28.04	5934.28	0.04	402415.88	663190.34		
15900.00	90.12	177.88	10137.63	-6030.15	31.76	6030.23	0.29	402319.95	663194.06		
15996.00	90.37	176.51	10137.22	-6126.03	36.45	6126.14	1.45	402224.07	663198.75		
16092.00	90.43	175.43	10136.55	-6221.79	43.20	6221.93	1.13	402128.31	663205.50		
16187.00	90.19	174.94	10136.04	-6316.45	51.17	6316.64	0.57	402033.65	663213.47		
16282.00	88.21	175.67	10137.36	-6411.12	58.95	6411.35	2.22	401938.98	663221.25		
16377.00	90.92	179.29	10138.09	-6506.00	63.12	6506.26	4.76	401844.10	663225.42		
16472.00	91.42	179.60	10136.15	-6600.97	64.04	6601.24	0.62	401749.13	663226.34		
16567.00	91.41	179.75	10133.80	-6695.94	64.58	6696.21	0.16	401654.16	663226.88		
16662.00	90.43	179.28	10132.27	-6790.93	65.39	6791.19	1.14	401559.17	663227.69		
16757.00	92.28	180.48	10130.03	-6885.89	65.59	6886.16	2.32	401464.21	663227.89		
16852.00	90.86	180.31	10127.43	-6980.85	64.93	6981.12	1.51	401369.25	663227.23		
16939.00	90.62	181.21	10126.30	-7067.84	63.78	7068.09	1.07	401282.26	663226.08	Last Wt Svy 007H	
16963.00	90.62	181.21	10126.04	-7091.83	63.27	7092.08	0.00	401258.27	663225.57	Proj. To Bit	

SD Survey Report

Formation Points (Relative to Slot centre, TVD relative to 'Kelly Bushing')									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	H.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	Name	Comment
9813.79	27.10	180.18	9801.00	-87.69	-13.22	408262.41	663149.08	BS 2 Sand	

BOPCO, L.P.
Poker Lake Unit
CVX JV PB 007H
Eddy Co, NM



PLU CVX JV PB 007H	---
PLU CVX JV PB 007H	---
PLU CVX JV PB 034H	---
PLU CVX JV PB 002H	---

Plan Data for PLU CVX JV PB 007H

Well Name: PLU CVX JV PB 007H
 Well Type: Horizontal
 Well Status: Active
 Well Depth: 10,000 ft
 Well Orientation: 179.66°
 Well Completion: 10,000 ft
 Well Production: 10,000 ft
 Well Injection: 10,000 ft
 Well Completion: 10,000 ft
 Well Production: 10,000 ft
 Well Injection: 10,000 ft

Plan Data for PLU CVX JV PB 007H

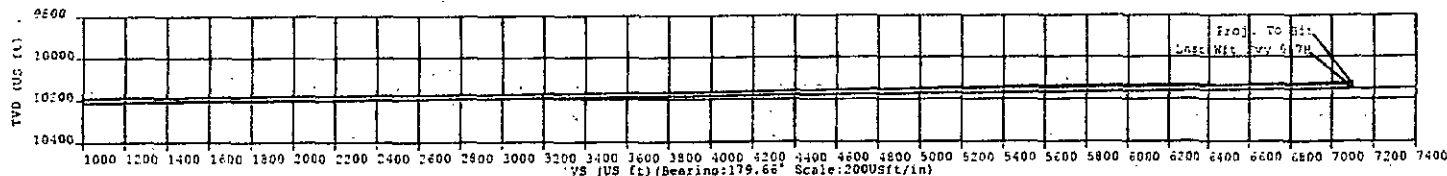
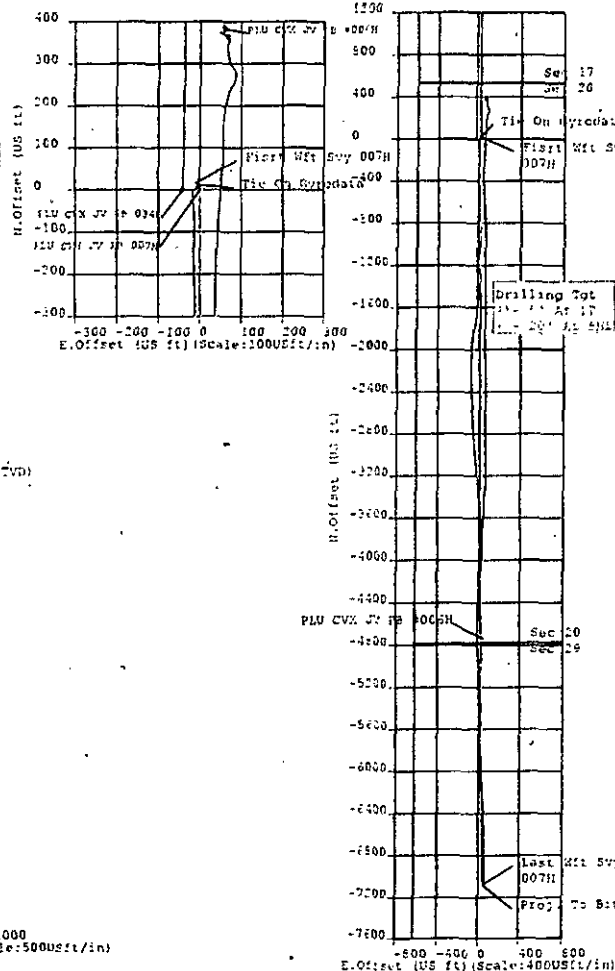
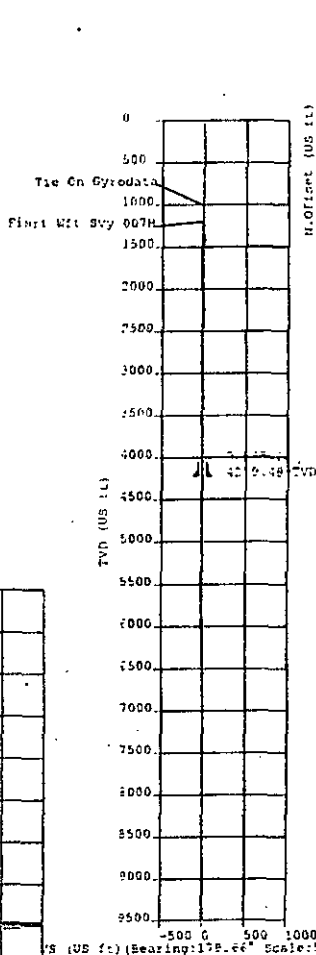
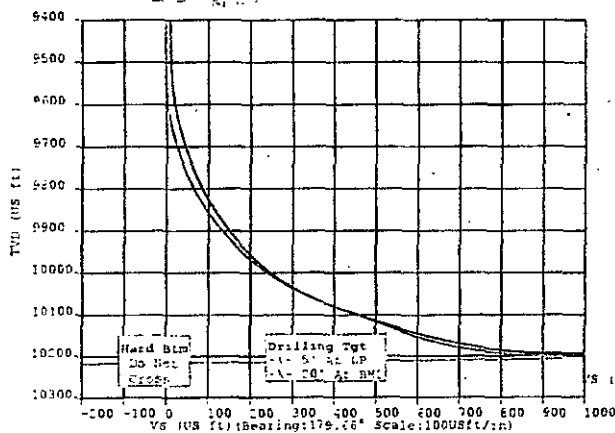
Well Name: PLU CVX JV PB 007H
 Well Type: Horizontal
 Well Status: Active
 Well Depth: 10,000 ft
 Well Orientation: 179.66°
 Well Completion: 10,000 ft
 Well Production: 10,000 ft
 Well Injection: 10,000 ft
 Well Completion: 10,000 ft
 Well Production: 10,000 ft
 Well Injection: 10,000 ft

Plan Data for PLU CVX JV PB 007H

Well Name: PLU CVX JV PB 007H
 Well Type: Horizontal
 Well Status: Active
 Well Depth: 10,000 ft
 Well Orientation: 179.66°
 Well Completion: 10,000 ft
 Well Production: 10,000 ft
 Well Injection: 10,000 ft
 Well Completion: 10,000 ft
 Well Production: 10,000 ft
 Well Injection: 10,000 ft

Plan Data for PLU CVX JV PB 007H

Well Name: PLU CVX JV PB 007H
 Well Type: Horizontal
 Well Status: Active
 Well Depth: 10,000 ft
 Well Orientation: 179.66°
 Well Completion: 10,000 ft
 Well Production: 10,000 ft
 Well Injection: 10,000 ft
 Well Completion: 10,000 ft
 Well Production: 10,000 ft
 Well Injection: 10,000 ft



Sign Off: Russell Jayner