



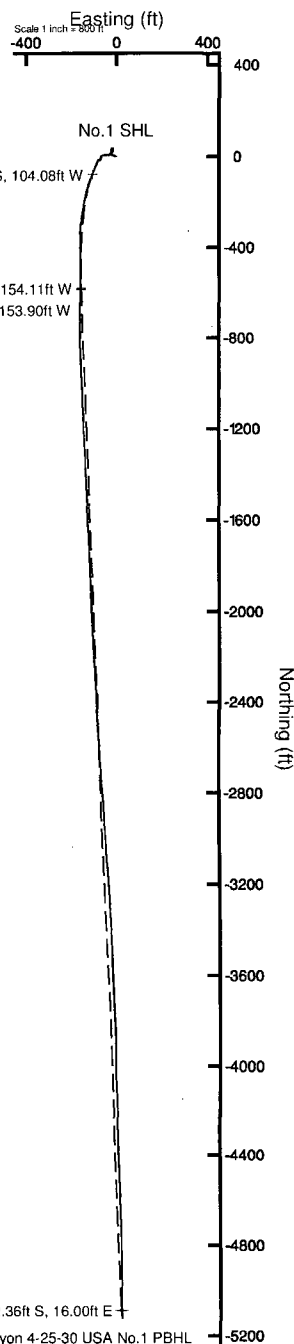
BOPCO, L.P.

Location: Eddy County, NM
Field: Poker Lake Unit
Facility: Poker Lake Pierce Canyon 4-25-30 USA No.1

Slot: No.1 SHL
Well: No.1
Wellbore: No.1 PWB

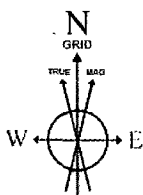


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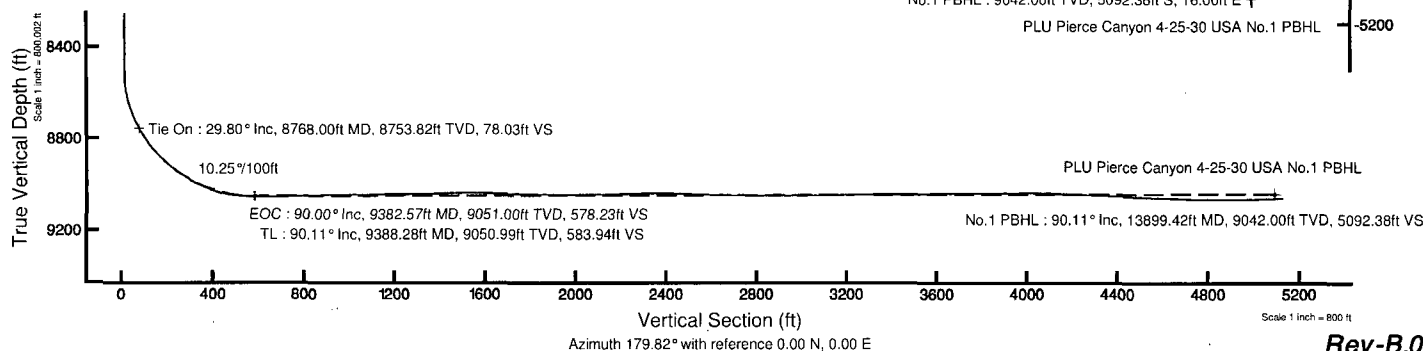
Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	8768.00	29.800	201.700	8753.82	-78.36	-104.08	0.00	78.03
EOC	9382.57	90.000	177.842	9051.00	-578.72	-154.11	10.25	578.23
TL	9388.28	90.114	177.842	9050.99	-584.43	-153.90	2.00	583.94
No.1 PBHL	13899.42	90.114	177.842	9042.00	-5092.36	16.00	0.00	5092.38

Plot reference wellpath is Rev-B.0	
True vertical depths are referenced to Rig on No.1 SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No.1 SHL (KB)	North Reference: Grid north
Rig on No.1 SHL (KB) to Mean Sea Level: 3320 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No.1 SHL): -3300 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: gentbry on 06/18/2013



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BGGM (1945.0 to 2015.0) Dip: 60.02° Field: 48340.7 nT
Magnetic North is 7.59 degrees East of True North (at 06/03/2013)
Grid North is 0.24 degrees East of True North
To correct azimuth from True to Grid subtract 0.24 degrees
To correct azimuth from Magnetic to Grid add 7.35 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.35 = 97.35



Rev-B.0



Actual Wellpath Report

No.1 AWB

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.1 SHL
Area	Eddy County, NM	Well	No.1
Field	Poker Lake Unit	Wellbore	No.1 AWB
Facility	Poker Lake Pierce Canyon 4-25-30 USA No.1		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Gentbry
Scale	0.999932	Report Generated	06/27/2013 at 8:11:21 AM
Convergence at slot	0.24° East	Database/Source file	WA Midland/No.1_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	640556.00	424573.00	32°09'59.230"N	103°52'44.755"W
Facility Reference Pt			640556.00	424573.00	32°09'59.230"N	103°52'44.755"W
Field Reference Pt			630272.49	405347.85	32°06'49.387"N	103°54'45.266"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No.1 SHL (KB) to Facility Vertical Datum	20.00ft
Horizontal Reference Pt	Slot	Rig on No.1 SHL (KB) to Mean Sea Level	3320.00ft
Vertical Reference Pt	Rig on No.1 SHL (KB)	Rig on No.1 SHL (KB) to Mud Line at Slot (No.1 SHL)	20.00ft
MD Reference Pt	Rig on No.1 SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.82°



Actual Wellpath Report

No.1 AWB

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.1 SHL
Area	Eddy County, NM	Well	No.1
Field	Poker Lake Unit	Wellbore	No.1 AWB
Facility	Poker Lake Pierce Canyon 4-25-30 USA No.1		

WELLPATH DATA (142 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	274.120	0.00	0.00	0.00	0.00	640556.00	424573.00	32°09'59.230"N	103°52'44.755"W	0.00	
100.00	0.390	274.120	100.00	-0.03	0.02	-0.34	640555.66	424573.02	32°09'59.230"N	103°52'44.759"W	0.39	
200.00	0.400	255.740	200.00	0.03	-0.04	-1.02	640554.98	424572.96	32°09'59.229"N	103°52'44.767"W	0.13	
300.00	0.340	271.170	299.99	0.11	-0.12	-1.65	640554.35	424572.88	32°09'59.229"N	103°52'44.774"W	0.12	
400.00	0.320	251.870	399.99	0.19	-0.20	-2.21	640553.79	424572.80	32°09'59.228"N	103°52'44.781"W	0.11	
500.00	0.300	282.390	499.99	0.22	-0.23	-2.74	640553.26	424572.77	32°09'59.228"N	103°52'44.787"W	0.16	
600.00	0.340	267.060	599.99	0.18	-0.19	-3.29	640552.71	424572.81	32°09'59.228"N	103°52'44.794"W	0.09	
700.00	0.120	256.580	699.99	0.22	-0.23	-3.69	640552.31	424572.77	32°09'59.228"N	103°52'44.798"W	0.22	
800.00	0.220	235.240	799.99	0.35	-0.36	-3.95	640552.06	424572.64	32°09'59.226"N	103°52'44.801"W	0.12	
900.00	1.300	308.750	899.98	-0.26	0.24	-4.99	640551.01	424573.24	32°09'59.232"N	103°52'44.813"W	1.26	
1000.00	1.530	306.040	999.95	-1.76	1.74	-6.95	640549.05	424574.74	32°09'59.247"N	103°52'44.836"W	0.24	
1100.00	1.460	302.870	1099.92	-3.24	3.21	-9.10	640546.90	424576.21	32°09'59.262"N	103°52'44.861"W	0.11	
1200.00	1.500	307.110	1199.88	-4.73	4.69	-11.21	640544.79	424577.69	32°09'59.277"N	103°52'44.886"W	0.12	
1300.00	1.240	287.710	1299.85	-5.85	5.81	-13.29	640542.71	424578.81	32°09'59.288"N	103°52'44.910"W	0.53	
1400.00	0.920	277.600	1399.84	-6.29	6.25	-15.12	640540.89	424579.25	32°09'59.292"N	103°52'44.931"W	0.37	
1500.00	0.920	281.930	1499.82	-6.57	6.52	-16.70	640539.30	424579.52	32°09'59.295"N	103°52'44.949"W	0.07	
1600.00	0.750	302.280	1599.81	-7.09	7.03	-18.04	640537.97	424580.03	32°09'59.300"N	103°52'44.965"W	0.34	
1700.00	0.630	333.660	1699.81	-7.94	7.88	-18.83	640537.17	424580.88	32°09'59.308"N	103°52'44.974"W	0.39	
1800.00	1.130	357.050	1799.79	-9.41	9.35	-19.13	640536.87	424582.35	32°09'59.323"N	103°52'44.977"W	0.61	
1900.00	1.990	8.660	1899.76	-12.12	12.06	-18.92	640537.08	424585.06	32°09'59.350"N	103°52'44.975"W	0.91	
2000.00	2.410	15.800	1999.68	-15.85	15.80	-18.08	640537.92	424588.79	32°09'59.387"N	103°52'44.965"W	0.50	
2100.00	2.600	18.430	2099.59	-20.02	19.97	-16.79	640539.21	424592.97	32°09'59.428"N	103°52'44.950"W	0.22	
2200.00	2.620	19.640	2199.48	-24.32	24.27	-15.31	640540.69	424597.27	32°09'59.470"N	103°52'44.932"W	0.06	
2300.00	2.330	10.770	2299.39	-28.47	28.42	-14.16	640541.84	424601.42	32°09'59.512"N	103°52'44.919"W	0.48	
2400.00	1.830	1.130	2399.32	-32.06	32.02	-13.75	640542.25	424605.02	32°09'59.547"N	103°52'44.914"W	0.61	
2500.00	1.160	326.360	2499.29	-34.50	34.46	-14.28	640541.72	424607.45	32°09'59.571"N	103°52'44.920"W	1.10	
2600.00	0.670	288.210	2599.28	-35.53	35.48	-15.39	640540.61	424608.48	32°09'59.581"N	103°52'44.933"W	0.76	
2700.00	0.680	274.460	2699.27	-35.76	35.71	-16.54	640539.46	424608.71	32°09'59.584"N	103°52'44.946"W	0.16	
2800.00	0.700	250.400	2799.27	-35.61	35.55	-17.71	640538.29	424608.55	32°09'59.582"N	103°52'44.960"W	0.29	
2900.00	0.870	196.340	2899.26	-34.68	34.62	-18.50	640537.50	424607.62	32°09'59.573"N	103°52'44.969"W	0.73	
3000.00	0.730	199.700	2999.25	-33.35	33.29	-18.93	640537.08	424606.29	32°09'59.560"N	103°52'44.974"W	0.15	
3100.00	1.190	196.260	3099.23	-31.75	31.69	-19.43	640536.57	424604.69	32°09'59.544"N	103°52'44.980"W	0.46	
3200.00	1.300	192.090	3199.21	-29.65	29.59	-19.96	640536.04	424602.59	32°09'59.523"N	103°52'44.986"W	0.14	
3300.00	1.540	193.130	3299.18	-27.23	27.17	-20.50	640535.50	424600.17	32°09'59.499"N	103°52'44.992"W	0.24	
3400.00	1.760	193.200	3399.14	-24.43	24.37	-21.16	640534.84	424597.36	32°09'59.472"N	103°52'45.000"W	0.22	
3500.00	1.670	191.430	3499.09	-21.51	21.44	-21.80	640534.20	424594.44	32°09'59.443"N	103°52'45.008"W	0.10	
3600.00	1.870	189.480	3599.04	-18.48	18.41	-22.36	640533.65	424591.40	32°09'59.413"N	103°52'45.014"W	0.21	
3700.00	1.520	192.690	3699.00	-15.57	15.50	-22.92	640533.09	424588.50	32°09'59.384"N	103°52'45.021"W	0.36	
3759.00	0.890	206.940	3757.99	-14.40	14.33	-23.30	640532.71	424587.33	32°09'59.372"N	103°52'45.026"W	1.17	
3847.00	1.200	222.400	3845.97	-13.12	13.04	-24.23	640531.78	424586.04	32°09'59.360"N	103°52'45.036"W	0.47	
4033.00	0.700	230.800	4031.95	-10.97	10.88	-26.42	640529.58	424583.88	32°09'59.338"N	103°52'45.062"W	0.28	
4223.00	0.800	229.600	4221.93	-9.38	9.29	-28.33	640527.67	424582.29	32°09'59.323"N	103°52'45.084"W	0.05	
4413.00	0.700	250.100	4411.91	-8.13	8.04	-30.43	640525.57	424581.04	32°09'59.310"N	103°52'45.109"W	0.15	
4603.00	0.600	261.200	4601.90	-7.59	7.49	-32.51	640523.50	424580.49	32°09'59.305"N	103°52'45.133"W	0.08	
4794.00	0.700	266.200	4792.89	-7.37	7.26	-34.66	640521.34	424580.26	32°09'59.303"N	103°52'45.158"W	0.06	



Actual Wellpath Report

No.1 AWB

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.1 SHL
Area	Eddy County, NM	Well	No.1
Field	Poker Lake Unit	Wellbore	No.1 AWB
Facility	Poker Lake Pierce Canyon 4-25-30 USA No.1		

WELLPATH DATA (142 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4984.00	0.700	274.700	4982.88	-7.39	7.28	-36.97	640519.03	424580.28	32°09'59.303"N	103°52'45.185"W	0.05	
5173.00	0.900	265.100	5171.86	-7.37	7.24	-39.60	640516.40	424580.24	32°09'59.303"N	103°52'45.216"W	0.13	
5363.00	1.100	271.300	5361.83	-7.29	7.16	-42.91	640513.09	424580.16	32°09'59.302"N	103°52'45.254"W	0.12	
5553.00	1.100	267.300	5551.79	-7.26	7.11	-46.56	640509.45	424580.11	32°09'59.302"N	103°52'45.297"W	0.04	
5743.00	1.200	255.500	5741.76	-6.69	6.53	-50.31	640505.70	424579.53	32°09'59.296"N	103°52'45.340"W	0.13	
5933.00	1.200	255.900	5931.71	-5.72	5.55	-54.16	640501.84	424578.55	32°09'59.287"N	103°52'45.385"W	0.00	
6123.00	1.600	260.400	6121.66	-4.80	4.62	-58.71	640497.30	424577.62	32°09'59.278"N	103°52'45.438"W	0.22	
6312.00	0.400	276.400	6310.62	-4.45	4.25	-61.96	640494.04	424577.25	32°09'59.274"N	103°52'45.476"W	0.65	
6502.00	0.500	248.700	6500.62	-4.23	4.03	-63.39	640492.61	424577.03	32°09'59.272"N	103°52'45.493"W	0.12	
6691.00	0.700	200.100	6689.61	-2.85	2.64	-64.56	640491.44	424575.64	32°09'59.258"N	103°52'45.506"W	0.28	
6881.00	0.700	194.400	6879.60	-0.63	0.43	-65.25	640490.76	424573.43	32°09'59.237"N	103°52'45.514"W	0.04	
7071.00	0.600	175.200	7069.58	1.48	-1.69	-65.45	640490.55	424571.31	32°09'59.216"N	103°52'45.517"W	0.13	
7261.00	0.600	179.700	7259.57	3.47	-3.67	-65.36	640490.64	424569.33	32°09'59.196"N	103°52'45.516"W	0.02	
7452.00	1.000	201.600	7450.55	6.02	-6.22	-65.97	640490.03	424566.78	32°09'59.171"N	103°52'45.523"W	0.26	
7642.00	1.100	196.400	7640.52	9.30	-9.51	-67.10	640488.91	424563.49	32°09'59.138"N	103°52'45.536"W	0.07	
7832.00	1.200	208.400	7830.48	12.80	-13.01	-68.56	640487.45	424559.99	32°09'59.104"N	103°52'45.553"W	0.14	
8022.00	0.700	236.100	8020.46	15.19	-15.41	-70.47	640485.54	424557.59	32°09'59.080"N	103°52'45.576"W	0.35	
8212.00	0.200	307.700	8210.45	15.63	-15.86	-71.69	640484.31	424557.15	32°09'59.076"N	103°52'45.590"W	0.35	
8402.00	0.900	291.700	8400.44	14.87	-15.10	-73.34	640482.66	424557.90	32°09'59.083"N	103°52'45.609"W	0.37	
8471.00	1.300	270.800	8469.43	14.65	-14.89	-74.63	640481.38	424555.11	32°09'59.085"N	103°52'45.624"W	0.81	
8515.00	2.200	244.700	8513.41	15.00	-15.24	-75.89	640480.11	424557.76	32°09'59.082"N	103°52'45.639"W	2.68	
8546.00	5.200	247.800	8544.34	15.78	-16.03	-77.73	640478.27	424556.97	32°09'59.074"N	103°52'45.660"W	9.70	
8578.00	9.000	197.700	8576.12	18.71	-18.96	-79.84	640476.17	424554.04	32°09'59.045"N	103°52'45.685"W	21.62	
8609.00	12.500	204.100	8606.57	24.08	-24.34	-81.94	640474.06	424548.66	32°09'58.992"N	103°52'45.710"W	11.91	
8641.00	16.500	203.300	8637.55	31.41	-31.68	-85.16	640470.85	424541.33	32°09'58.920"N	103°52'45.747"W	12.52	
8673.00	20.200	202.500	8667.91	40.68	-40.96	-89.07	640466.94	424532.05	32°09'58.828"N	103°52'45.793"W	11.59	
8705.00	23.700	202.100	8697.59	51.73	-52.02	-93.61	640462.40	424520.98	32°09'58.719"N	103°52'45.847"W	10.95	
8736.00	26.700	201.500	8725.63	63.97	-64.28	-98.50	640457.50	424508.73	32°09'58.598"N	103°52'45.904"W	9.71	
8768.00	29.800	201.700	8753.82	78.03	-78.36	-104.08	640451.93	424494.65	32°09'58.459"N	103°52'45.970"W	9.69	
8800.00	32.700	202.800	8781.17	93.37	-93.72	-110.37	640445.64	424479.29	32°09'58.307"N	103°52'46.044"W	9.24	
8831.00	35.700	200.600	8806.81	109.54	-109.91	-116.80	640439.21	424463.10	32°09'58.147"N	103°52'46.119"W	10.47	
8863.00	38.300	195.300	8832.37	127.84	-128.22	-122.70	640433.30	424444.79	32°09'57.966"N	103°52'46.189"W	12.85	
8895.00	41.700	193.900	8856.88	147.72	-148.13	-127.88	640428.13	424424.88	32°09'57.769"N	103°52'46.250"W	10.99	
8929.00	44.800	192.600	8881.65	170.38	-170.80	-133.21	640422.80	424402.21	32°09'57.545"N	103°52'46.313"W	9.49	
8958.00	47.200	191.300	8901.79	190.77	-191.21	-137.52	640418.48	424381.81	32°09'57.343"N	103°52'46.364"W	8.88	
8990.00	50.300	190.600	8922.89	214.38	-214.83	-142.09	640413.92	424358.19	32°09'57.110"N	103°52'46.419"W	9.83	
9021.00	53.700	189.400	8941.97	238.42	-238.88	-146.33	640409.68	424334.14	32°09'56.872"N	103°52'46.469"W	11.38	
9053.00	56.500	188.600	8960.28	264.32	-264.80	-150.43	640405.58	424308.22	32°09'56.616"N	103°52'46.518"W	8.99	
9085.00	58.400	186.000	8977.49	291.06	-291.55	-153.85	640402.16	424281.47	32°09'56.351"N	103°52'46.559"W	9.06	
9117.00	62.200	185.300	8993.35	318.71	-319.21	-156.58	640399.43	424253.82	32°09'56.077"N	103°52'46.592"W	12.03	
9148.00	65.800	182.700	9006.94	346.49	-346.99	-158.51	640397.50	424226.03	32°09'55.803"N	103°52'46.616"W	13.84	
9180.00	68.400	179.900	9019.39	375.96	-376.46	-159.18	640396.83	424196.57	32°09'55.511"N	103°52'46.625"W	11.44	
9212.00	72.000	177.700	9030.23	406.05	-406.55	-158.54	640397.47	424166.48	32°09'55.213"N	103°52'46.620"W	12.98	
9244.00	76.100	178.900	9039.02	436.80	-437.30	-157.63	640398.38	424135.73	32°09'54.909"N	103°52'46.610"W	13.31	
9275.00	80.400	179.800	9045.33	467.14	-467.64	-157.29	640398.72	424105.39	32°09'54.609"N	103°52'46.608"W	14.16	



Actual Wellpath Report

No.1 AWB

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.1 SHL
Area	Eddy County, NM	Well	No.1
Field	Poker Lake Unit	Wellbore	No.1 AWB
Facility	Poker Lake Pierce Canyon 4-25-30 USA No.1		

WELLPATH DATA (142 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
9307.00	84.800	180.300	9049.45	498.87	-499.37	-157.32	640398.69	424073.67	32°09'54.295"N	103°52'46.610"W	13.84	
9339.00	86.700	179.700	9051.82	530.78	-531.28	-157.32	640398.69	424041.76	32°09'53.979"N	103°52'46.611"W	6.22	
9372.00	86.100	180.500	9053.90	563.71	-564.21	-157.37	640398.64	424008.83	32°09'53.653"N	103°52'46.614"W	3.03	
9467.00	91.300	180.000	9056.05	658.65	-659.15	-157.79	640398.22	423913.89	32°09'52.714"N	103°52'46.623"W	5.50	
9562.00	92.800	179.700	9052.65	753.59	-754.09	-157.54	640398.47	423818.96	32°09'51.774"N	103°52'46.625"W	1.61	
9656.00	92.400	178.400	9048.39	847.48	-847.98	-155.98	640400.03	423725.08	32°09'50.845"N	103°52'46.611"W	1.45	
9750.00	90.300	178.000	9046.17	941.41	-941.90	-153.03	640402.98	423631.17	32°09'49.916"N	103°52'46.582"W	2.27	
9845.00	90.600	177.700	9045.43	1036.35	-1036.83	-149.47	640406.54	423536.24	32°09'48.976"N	103°52'46.545"W	0.45	
9940.00	91.500	177.600	9043.69	1131.27	-1131.73	-145.57	640410.44	423441.35	32°09'48.037"N	103°52'46.504"W	0.95	
10035.00	90.000	177.600	9042.44	1226.19	-1226.64	-141.59	640414.42	423346.45	32°09'47.097"N	103°52'46.463"W	1.58	
10130.00	91.000	177.600	9041.61	1321.11	-1321.55	-137.62	640418.39	423251.54	32°09'46.158"N	103°52'46.421"W	1.05	
10225.00	92.000	177.300	9039.13	1416.00	-1416.42	-133.39	640422.62	423156.68	32°09'45.219"N	103°52'46.376"W	1.10	
10320.00	89.900	177.300	9037.55	1510.88	-1511.30	-128.92	640427.09	423061.81	32°09'44.280"N	103°52'46.329"W	2.21	
10415.00	88.800	177.400	9038.63	1605.79	-1606.19	-124.52	640431.48	422966.92	32°09'43.341"N	103°52'46.283"W	1.16	
10510.00	88.700	177.700	9040.70	1700.69	-1701.08	-120.46	640435.54	422872.04	32°09'42.402"N	103°52'46.240"W	0.33	
10605.00	88.900	177.600	9042.69	1795.60	-1795.98	-116.57	640439.44	422777.15	32°09'41.462"N	103°52'46.199"W	0.24	
10700.00	89.400	177.700	9044.10	1890.52	-1890.89	-112.68	640443.33	422682.25	32°09'40.523"N	103°52'46.159"W	0.54	
10795.00	90.100	177.700	9044.51	1985.46	-1985.81	-108.86	640447.14	422587.33	32°09'39.584"N	103°52'46.119"W	0.74	
10890.00	90.700	177.500	9043.85	2080.38	-2080.72	-104.88	640451.12	422492.42	32°09'38.644"N	103°52'46.077"W	0.67	
10985.00	91.100	177.400	9042.36	2175.29	-2175.62	-100.66	640455.35	422397.54	32°09'37.705"N	103°52'46.033"W	0.43	
11080.00	91.800	177.100	9039.96	2270.16	-2270.48	-96.10	640459.90	422302.68	32°09'36.766"N	103°52'45.985"W	0.80	
11175.00	90.000	176.800	9038.46	2365.03	-2365.33	-91.05	640464.96	422207.84	32°09'35.827"N	103°52'45.930"W	1.92	
11270.00	88.000	176.400	9040.12	2459.86	-2460.14	-85.42	640470.59	422113.03	32°09'34.889"N	103°52'45.870"W	2.15	
11365.00	87.700	176.400	9043.69	2554.62	-2554.89	-79.45	640476.55	422018.29	32°09'33.951"N	103°52'45.805"W	0.32	
11459.00	88.500	176.100	9046.80	2648.39	-2648.63	-73.31	640482.70	421924.55	32°09'33.023"N	103°52'45.738"W	0.91	
11554.00	89.600	175.500	9048.38	2743.14	-2743.36	-66.35	640489.65	421829.83	32°09'32.086"N	103°52'45.662"W	1.32	
11649.00	90.000	175.200	9048.71	2837.85	-2838.05	-58.65	640497.35	421735.15	32°09'31.148"N	103°52'45.577"W	0.53	
11744.00	89.900	176.900	9048.79	2932.64	-2932.82	-52.11	640503.90	421640.39	32°09'30.210"N	103°52'45.505"W	1.79	
11840.00	90.700	176.500	9048.29	3028.50	-3028.66	-46.58	640509.42	421544.56	32°09'29.262"N	103°52'45.446"W	0.93	
11935.00	91.100	175.900	9046.80	3123.29	-3123.44	-40.29	640515.72	421449.78	32°09'28.323"N	103°52'45.377"W	0.76	
12030.00	90.800	177.100	9045.22	3218.12	-3218.24	-34.49	640521.51	421354.98	32°09'27.385"N	103°52'45.314"W	1.30	
12125.00	91.500	176.900	9043.31	3312.99	-3313.09	-29.52	640526.48	421260.14	32°09'26.446"N	103°52'45.261"W	0.77	
12220.00	89.900	178.100	9042.15	3407.90	-3407.99	-25.37	640530.63	421165.25	32°09'25.507"N	103°52'45.218"W	2.11	
12315.00	90.600	178.500	9041.74	3502.86	-3502.95	-22.56	640533.45	421070.30	32°09'24.567"N	103°52'45.190"W	0.85	
12410.00	91.400	178.200	9040.08	3597.81	-3597.89	-19.82	640536.18	420975.36	32°09'23.628"N	103°52'45.162"W	0.90	
12505.00	90.100	178.200	9038.84	3692.77	-3692.84	-16.84	640539.16	420880.42	32°09'22.688"N	103°52'45.132"W	1.37	
12600.00	90.300	177.590	9038.51	3787.71	-3787.77	-13.35	640542.65	420785.49	32°09'21.748"N	103°52'45.096"W	0.68	
12694.00	89.900	178.300	9038.34	3881.66	-3881.71	-9.98	640546.02	420691.56	32°09'20.819"N	103°52'45.062"W	0.87	
12789.00	90.900	179.400	9037.68	3976.64	-3976.69	-8.07	640547.93	420596.59	32°09'19.879"N	103°52'45.044"W	1.56	
12884.00	88.300	177.800	9038.34	4071.61	-4071.64	-5.75	640550.25	420501.64	32°09'18.939"N	103°52'45.022"W	3.21	
12979.00	87.700	177.900	9041.66	4166.49	-4166.52	-2.19	640553.81	420406.77	32°09'18.000"N	103°52'44.985"W	0.64	
13074.00	87.400	178.200	9045.72	4261.36	-4261.38	1.04	640557.04	420311.92	32°09'17.061"N	103°52'44.952"W	0.45	
13169.00	88.100	178.100	9049.45	4356.24	-4356.25	4.11	640560.11	420217.05	32°09'16.122"N	103°52'44.921"W	0.74	
13264.00	87.000	177.900	9053.51	4451.11	-4451.11	7.42	640563.42	420122.21	32°09'15.184"N	103°52'44.887"W	1.18	
13359.00	87.900	178.400	9057.74	4545.97	-4545.96	10.48	640566.48	420027.36	32°09'14.245"N	103°52'44.856"W	1.08	



Actual Wellpath Report

No.1 AWB

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.1 SHL
Area	Eddy County, NM	Well	No.1
Field	Poker Lake Unit	Wellbore	No.1 AWB
Facility	Poker Lake Pierce Canyon 4-25-30 USA No.1		

WELLPATH DATA (142 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13454.00	87.600	178.700	9061.47	4640.88	-4640.86	12.88	640568.88	419932.47	32°09'13.306"N	103°52'44.833"W	0.45	
13549.00	88.500	178.300	9064.70	4735.79	-4735.77	15.37	640571.37	419837.56	32°09'12.366"N	103°52'44.809"W	1.04	
13644.00	90.100	179.000	9065.86	4830.76	-4830.73	17.61	640573.61	419742.61	32°09'11.427"N	103°52'44.788"W	1.84	
13739.00	90.100	179.600	9065.69	4925.76	-4925.73	18.77	640574.77	419647.62	32°09'10.486"N	103°52'44.779"W	0.63	
13834.00	91.600	179.600	9064.28	5020.75	-5020.71	19.43	640575.43	419552.64	32°09'09.547"N	103°52'44.776"W	1.58	
13886.00	92.100	179.700	9062.61	5072.72	-5072.68	19.75	640575.75	419500.67	32°09'09.032"N	103°52'44.775"W	0.98	
13940.00	92.100	179.700	9060.63	5126.68	-5126.64	20.03	640576.03	419446.72	32°09'08.498"N	103°52'44.774"W	0.00	Proj to Bit

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
PLU Pierce Canyon 4-25-30 USA No.1 PBHL		9042.00	-5092.36	16.00	640572.00	419481.00	32°09'08.838"N	103°52'44.819"W	point

WELLPATH COMPOSITION - Ref Wellbore: No.1 AWB Ref Wellpath: No.1 AWB				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	3759.00	Generic gyro - northseeking (Standard)	Gyro <100-3759>	No.1 AWB
3759.00	13886.00	NaviTrak (Standard)	BHI MWD NaviTrak <995-XXXX>	No.1 AWB
13886.00	13940.00	Blind Drilling (std)	Projection to bit	No.1 AWB