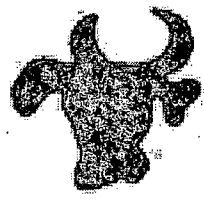
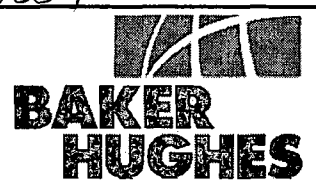


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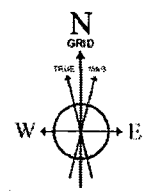
BOPCO, L.P.

Location: Eddy County, NM
Field: Poker Lake Unit
Facility: PLU Big Sinks 13-25-30 USA No.1H
Slot: No.1H SHL
Well: No.1H
Wellbore: No.1H PWB

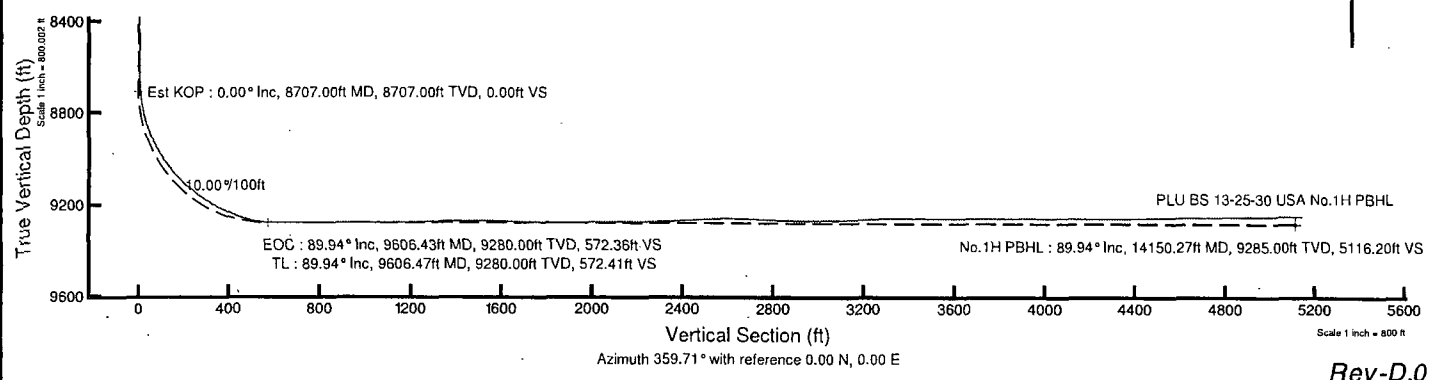
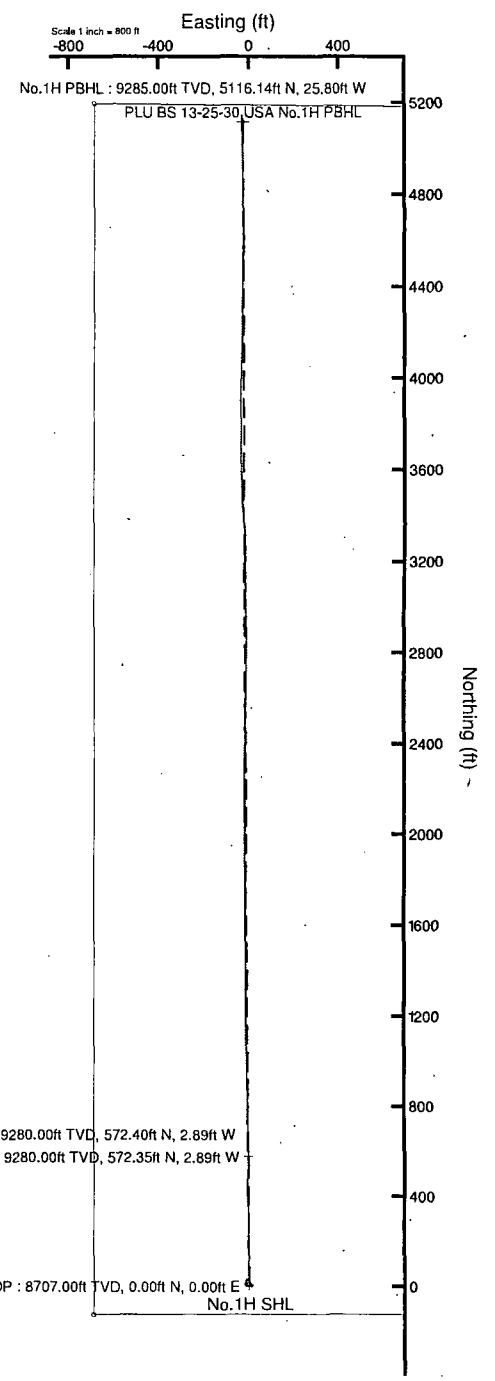


Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	17.00	0.000	359.711	17.00	0.00	0.00	0.00	0.00
Est KOP	8707.00	0.000	359.711	8707.00	0.00	0.00	0.00	0.00
EOC	9606.43	89.936	359.711	9280.00	572.35	-2.89	10.00	572.36
TL	9606.47	89.937	359.711	9280.00	572.40	-2.89	2.00	572.41
No.1H PBHL	14150.27	89.937	359.711	9285.00	5116.14	-25.80	0.00	5116.20

Plot reference wellpath is Rev-D.0	
True vertical depths are referenced to Rig on No.1H SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No.1H SHL (KB)	North Reference: Grid north
Rig on No.1H SHL (KB) to Mean Sea Level: 3316 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No.1H SHL): -3299 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: gentry on 08/15/2013



BGGM (1945.0 to 2015.0) Dip: 59.98° Field: 48309.8 nT
Magnetic North is 7.56 degrees East of True North (at 07/03/2013)
Grid North is 0.26 degrees East of True North
To correct azimuth from True to Grid subtract 0.26 degrees
To correct azimuth from Magnetic to Grid add 7.29 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.29 = 97.29





Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	Poker Lake Unit	Wellbore	No.1H AWB
Facility	PLU Big Sinks 13-25-30 USA No.1H		

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	0.999936	Report Generated	09/03/2013 at 9:17:45 AM
Convergence at slot	0.26° East	Database/Source file	WA Midland/No.1H_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	652582.90	408952.60	32°07'24.124"N	103°50'25.669"W
Facility Reference Pt			652582.90	408952.60	32°07'24.124"N	103°50'25.669"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.1H SHL (KB) to Facility Vertical Datum	17.00ft
Horizontal Reference Pt	Slot	Rig on No.1H SHL (KB) to Mean Sea Level	3316.00ft
Vertical Reference Pt	Rig on No.1H SHL (KB)	Rig on No.1H SHL (KB) to Mud Line at Slot (No.1H SHL)	17.00ft
MD Reference Pt	Rig on No.1H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	359.71°



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	Poker Lake Unit	Wellbore	No.1H AWB
Facility	PLU Big Sinks 13-25-30 USA No.1H		

WELLPATH DATA (136 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	305.930	0.00	0.00	0.00	0.00	652582.90	408952.60	32°07'24.124"N	103°50'25.669"W	0.00	
74.98	1.150	305.930	74.97	0.44	0.44	-0.61	652582.29	408953.04	32°07'24.129"N	103°50'25.676"W	1.53	
169.80	1.190	321.890	169.78	1.78	1.77	-1.99	652580.91	408954.37	32°07'24.142"N	103°50'25.692"W	0.35	
264.62	1.270	339.780	264.57	3.55	3.54	-2.96	652579.94	408956.14	32°07'24.159"N	103°50'25.703"W	0.41	
359.44	1.560	345.260	359.36	5.79	5.77	-3.65	652579.25	408958.37	32°07'24.181"N	103°50'25.711"W	0.34	
454.26	1.190	342.040	454.16	7.98	7.95	-4.28	652578.62	408960.55	32°07'24.203"N	103°50'25.718"W	0.40	
549.08	1.260	350.180	548.96	9.94	9.92	-4.76	652578.14	408962.52	32°07'24.222"N	103°50'25.724"W	0.20	
643.90	0.930	15.720	643.76	11.71	11.69	-4.73	652578.17	408964.29	32°07'24.240"N	103°50'25.723"W	0.61	
738.72	2.170	4.600	738.54	14.24	14.22	-4.38	652578.52	408966.82	32°07'24.265"N	103°50'25.719"W	1.34	
833.54	1.320	4.100	833.32	17.12	17.10	-4.16	652578.74	408969.69	32°07'24.293"N	103°50'25.716"W	0.90	
928.36	2.080	16.940	928.10	19.85	19.83	-3.58	652579.32	408972.43	32°07'24.321"N	103°50'25.710"W	0.89	
1023.18	2.160	24.550	1022.85	23.11	23.10	-2.33	652580.57	408975.70	32°07'24.353"N	103°50'25.695"W	0.31	
1118.00	0.880	4.120	1117.64	25.46	25.45	-1.54	652581.36	408978.05	32°07'24.376"N	103°50'25.686"W	1.45	
1179.00	1.000	335.600	1178.63	26.41	26.41	-1.73	652581.17	408979.00	32°07'24.385"N	103°50'25.688"W	0.78	
1369.00	0.600	284.700	1368.61	28.18	28.17	-3.37	652579.53	408980.77	32°07'24.403"N	103°50'25.707"W	0.41	
1558.00	1.300	235.100	1557.59	27.22	27.19	-6.09	652576.81	408979.79	32°07'24.393"N	103°50'25.738"W	0.54	
1749.00	1.200	236.000	1748.54	24.88	24.83	-9.52	652573.38	408977.43	32°07'24.370"N	103°50'25.778"W	0.05	
1938.00	1.100	233.800	1937.50	22.72	22.66	-12.63	652570.27	408975.26	32°07'24.349"N	103°50'25.815"W	0.06	
2128.00	0.400	172.900	2127.49	20.99	20.92	-14.02	652568.88	408973.52	32°07'24.332"N	103°50'25.831"W	0.51	
2319.00	0.900	162.200	2318.48	18.90	18.83	-13.48	652569.42	408971.43	32°07'24.311"N	103°50'25.825"W	0.27	
2510.00	1.100	189.900	2509.45	15.66	15.60	-13.33	652569.57	408968.20	32°07'24.279"N	103°50'25.823"W	0.27	
2701.00	1.200	198.100	2700.41	11.96	11.89	-14.27	652568.63	408964.49	32°07'24.242"N	103°50'25.834"W	0.10	
2891.00	0.800	229.400	2890.38	9.22	9.14	-15.90	652567.01	408961.74	32°07'24.215"N	103°50'25.853"W	0.35	
3082.00	0.200	201.000	3081.37	8.04	7.96	-17.03	652565.87	408960.56	32°07'24.204"N	103°50'25.867"W	0.33	
3272.00	0.700	149.800	3271.37	6.73	6.64	-16.56	652566.34	408959.24	32°07'24.191"N	103°50'25.861"W	0.31	
3463.00	1.600	140.200	3462.33	3.66	3.59	-14.27	652568.63	408956.19	32°07'24.160"N	103°50'25.835"W	0.48	
3651.00	0.900	128.400	3650.28	0.71	0.65	-11.43	652571.47	408953.25	32°07'24.131"N	103°50'25.802"W	0.39	
3841.00	1.400	131.500	3840.24	-1.77	-1.81	-8.52	652574.38	408950.79	32°07'24.107"N	103°50'25.768"W	0.27	
3960.00	0.400	101.700	3959.23	-2.82	-2.86	-7.03	652575.87	408949.74	32°07'24.096"N	103°50'25.751"W	0.90	
4030.00	0.500	93.600	4029.22	-2.90	-2.93	-6.48	652576.42	408949.67	32°07'24.095"N	103°50'25.745"W	0.17	
4220.00	0.500	101.300	4219.22	-3.12	-3.14	-4.84	652578.06	408949.46	32°07'24.093"N	103°50'25.725"W	0.04	
4410.00	1.000	29.000	4409.20	-1.84	-1.85	-3.23	652579.67	408950.75	32°07'24.106"N	103°50'25.707"W	0.51	
4600.00	0.700	70.800	4599.18	-0.02	-0.02	-1.33	652581.57	408952.58	32°07'24.124"N	103°50'25.684"W	0.35	
4790.00	0.900	42.400	4789.17	1.46	1.46	0.77	652583.67	408954.06	32°07'24.139"N	103°50'25.660"W	0.23	
4979.00	0.500	74.400	4978.15	2.77	2.78	2.57	652585.47	408955.38	32°07'24.152"N	103°50'25.639"W	0.29	
5169.00	0.300	77.000	5168.15	3.09	3.11	3.85	652586.75	408955.71	32°07'24.155"N	103°50'25.624"W	0.11	
5360.00	0.300	49.200	5359.15	3.53	3.55	4.72	652587.62	408956.15	32°07'24.159"N	103°50'25.614"W	0.08	
5550.00	0.200	104.500	5549.14	3.77	3.79	5.42	652588.32	408956.39	32°07'24.161"N	103°50'25.606"W	0.13	
5740.00	0.200	217.900	5739.14	3.42	3.45	5.53	652588.43	408956.05	32°07'24.158"N	103°50'25.604"W	0.18	
5930.00	0.300	214.900	5929.14	2.75	2.78	5.05	652587.95	408955.38	32°07'24.151"N	103°50'25.610"W	0.05	
6119.00	0.200	156.600	6118.14	2.05	2.07	4.89	652587.79	408954.67	32°07'24.144"N	103°50'25.612"W	0.14	
6309.00	0.800	172.800	6308.13	0.43	0.45	5.19	652588.09	408953.05	32°07'24.128"N	103°50'25.609"W	0.32	
6499.00	0.300	146.200	6498.12	-1.31	-1.28	5.63	652588.53	408951.32	32°07'24.111"N	103°50'25.604"W	0.29	
6689.00	0.500	186.900	6688.12	-2.54	-2.51	5.81	652588.71	408950.09	32°07'24.099"N	103°50'25.602"W	0.18	
6880.00	0.900	105.100	6879.11	-3.77	-3.73	7.16	652590.06	408948.87	32°07'24.087"N	103°50'25.586"W	0.51	



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	Poker Lake Unit	Wellbore	No.1H AWP
Facility	PLU Big Sinks 13-25-30 USA No.1H		

WELLPATH DATA (136 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
7070.00	1.300	79.200	7069.07	-3.77	-3.72	10.72	652593.62	408948.88	32°07'24.087"N	103°50'25.545"W	0.33	
7261.00	1.100	84.600	7260.03	-3.21	-3.14	14.67	652597.57	408949.46	32°07'24.092"N	103°50'25.499"W	0.12	
7450.00	0.800	355.200	7449.01	-1.74	-1.65	16.37	652599.27	408950.95	32°07'24.107"N	103°50'25.479"W	0.72	
7641.00	0.500	328.500	7640.00	0.31	0.39	15.82	652598.72	408952.99	32°07'24.127"N	103°50'25.485"W	0.22	
7831.00	0.500	302.600	7829.99	1.47	1.54	14.69	652597.59	408954.14	32°07'24.139"N	103°50'25.498"W	0.12	
8021.00	0.700	279.400	8019.98	2.11	2.18	12.84	652595.74	408954.78	32°07'24.145"N	103°50'25.519"W	0.16	
8211.00	0.900	307.300	8209.97	3.22	3.27	10.51	652593.41	408955.87	32°07'24.156"N	103°50'25.547"W	0.23	
8400.00	0.900	297.700	8398.94	4.82	4.86	8.02	652590.92	408957.46	32°07'24.172"N	103°50'25.575"W	0.08	
8560.00	0.300	67.300	8558.94	5.57	5.61	7.29	652590.19	408958.20	32°07'24.179"N	103°50'25.584"W	0.70	
8613.00	1.000	48.100	8611.93	5.93	5.97	7.76	652590.66	408958.57	32°07'24.183"N	103°50'25.578"W	1.36	
8645.00	0.800	287.400	8643.93	6.18	6.22	7.76	652590.66	408958.82	32°07'24.185"N	103°50'25.578"W	4.90	
8677.00	2.100	330.100	8675.92	6.76	6.80	7.25	652590.15	408959.40	32°07'24.191"N	103°50'25.584"W	5.02	
8708.00	5.000	338.000	8706.86	8.51	8.54	6.46	652589.36	408961.14	32°07'24.208"N	103°50'25.593"W	9.46	
8740.00	8.400	340.100	8738.64	12.01	12.03	5.15	652588.04	408964.63	32°07'24.243"N	103°50'25.608"W	10.65	
8771.00	10.800	339.600	8769.20	16.87	16.89	3.36	652586.26	408969.48	32°07'24.291"N	103°50'25.629"W	7.75	
8803.00	13.600	347.700	8800.48	23.36	23.37	1.51	652584.41	408975.97	32°07'24.355"N	103°50'25.650"W	10.24	
8835.00	16.300	352.800	8831.39	31.50	31.51	0.15	652583.05	408984.10	32°07'24.436"N	103°50'25.666"W	9.38	
8866.00	18.900	356.000	8860.94	40.84	40.83	-0.75	652582.15	408993.43	32°07'24.528"N	103°50'25.675"W	8.95	
8898.00	21.400	357.000	8890.98	51.84	51.83	-1.41	652581.49	409004.43	32°07'24.637"N	103°50'25.683"W	7.89	
8930.00	25.500	356.800	8920.33	64.56	64.55	-2.10	652580.80	409017.14	32°07'24.763"N	103°50'25.690"W	12.81	
8962.00	28.500	358.000	8948.84	79.07	79.06	-2.75	652580.15	409031.65	32°07'24.907"N	103°50'25.697"W	9.53	
8993.00	30.300	1.000	8975.84	94.28	94.27	-2.88	652580.02	409046.86	32°07'25.057"N	103°50'25.697"W	7.50	
9025.00	34.900	3.200	9002.80	111.50	111.49	-2.22	652580.68	409064.08	32°07'25.227"N	103°50'25.689"W	14.84	
9057.00	37.300	3.500	9028.65	130.32	130.31	-1.12	652581.78	409082.90	32°07'25.414"N	103°50'25.675"W	7.52	
9089.00	40.400	1.300	9053.57	150.36	150.36	-0.29	652582.61	409102.95	32°07'25.612"N	103°50'25.664"W	10.60	
9120.00	43.700	359.400	9076.59	171.12	171.12	-0.18	652582.72	409123.71	32°07'25.817"N	103°50'25.662"W	11.41	
9152.00	46.500	359.000	9099.17	193.78	193.78	-0.50	652582.40	409146.37	32°07'26.042"N	103°50'25.664"W	8.79	
9184.00	49.900	359.500	9120.50	217.63	217.63	-0.80	652582.10	409170.22	32°07'26.278"N	103°50'25.667"W	10.69	
9215.00	52.400	359.500	9139.94	241.77	241.77	-1.02	652581.88	409194.36	32°07'26.517"N	103°50'25.668"W	8.06	
9247.00	55.300	358.700	9158.82	267.61	267.61	-1.42	652581.48	409220.19	32°07'26.772"N	103°50'25.671"W	9.28	
9279.00	57.100	358.300	9176.62	294.19	294.19	-2.12	652580.78	409246.77	32°07'27.035"N	103°50'25.678"W	5.72	
9311.00	59.900	357.600	9193.34	321.46	321.45	-3.10	652579.80	409274.03	32°07'27.305"N	103°50'25.688"W	8.95	
9342.00	62.000	357.400	9208.39	348.54	348.52	-4.28	652578.62	409301.10	32°07'27.573"N	103°50'25.700"W	6.80	
9381.00	64.500	358.000	9225.94	383.34	383.32	-5.68	652577.22	409335.89	32°07'27.918"N	103°50'25.715"W	6.56	
9413.00	67.200	358.900	9239.03	412.53	412.50	-6.47	652576.43	409365.08	32°07'28.206"N	103°50'25.722"W	8.82	
9444.00	70.000	0.100	9250.34	441.39	441.36	-6.71	652576.19	409393.93	32°07'28.492"N	103°50'25.724"W	9.72	
9476.00	73.200	1.700	9260.44	471.74	471.72	-6.23	652576.67	409424.29	32°07'28.792"N	103°50'25.716"W	11.07	
9508.00	76.700	1.400	9268.75	502.62	502.60	-5.40	652577.50	409455.17	32°07'29.098"N	103°50'25.705"W	10.97	
9539.00	81.200	2.100	9274.69	533.02	533.01	-4.47	652578.43	409485.57	32°07'29.399"N	103°50'25.693"W	14.68	
9571.00	85.400	2.400	9278.42	564.77	564.76	-3.22	652579.68	409517.32	32°07'29.713"N	103°50'25.676"W	13.16	
9603.00	89.400	0.600	9279.88	596.71	596.70	-2.38	652580.52	409549.26	32°07'30.029"N	103°50'25.665"W	13.70	
9635.00	90.000	359.500	9280.04	628.71	628.70	-2.36	652580.54	409581.26	32°07'30.346"N	103°50'25.663"W	3.92	
9658.00	89.900	359.400	9280.06	651.71	651.70	-2.58	652580.32	409604.26	32°07'30.573"N	103°50'25.664"W	0.61	
9753.00	89.900	359.200	9280.23	746.70	746.69	-3.74	652579.16	409699.25	32°07'31.513"N	103°50'25.673"W	0.21	
9848.00	89.800	358.500	9280.48	841.69	841.67	-5.64	652577.26	409794.22	32°07'32.453"N	103°50'25.690"W	0.74	



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	Poker Lake Unit	Wellbore	No.1H AWP
Facility	PLU Big Sinks 13-25-30 USA No.1H		

WELLPATH DATA (136 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
9943.00	89.700	358.300	9280.89	936.67	936.64	-8.30	652574.60	409889.17	32°07'33.393"N	103°50'25.716"W	0.24	
10038.00	90.500	359.400	9280.73	1031.65	1031.62	-10.20	652572.70	409984.15	32°07'34.333"N	103°50'25.733"W	1.43	
10133.00	91.600	359.300	9278.99	1126.63	1126.59	-11.28	652571.62	410079.12	32°07'35.273"N	103°50'25.740"W	1.16	
10228.00	91.300	359.600	9276.58	1221.60	1221.56	-12.19	652570.71	410174.08	32°07'36.213"N	103°50'25.746"W	0.45	
10323.00	91.700	359.500	9274.10	1316.57	1316.52	-12.94	652569.96	410269.03	32°07'37.152"N	103°50'25.749"W	0.43	
10418.00	90.200	0.300	9272.52	1411.55	1411.50	-13.10	652569.80	410364.01	32°07'38.092"N	103°50'25.746"W	1.79	
10513.00	90.700	0.600	9271.77	1506.54	1506.50	-12.36	652570.54	410459.00	32°07'39.032"N	103°50'25.733"W	0.61	
10608.00	88.100	0.000	9272.77	1601.52	1601.48	-11.86	652571.04	410553.98	32°07'39.972"N	103°50'25.722"W	2.81	
10703.00	88.100	359.800	9275.92	1696.47	1696.43	-12.03	652570.87	410648.92	32°07'40.912"N	103°50'25.719"W	0.21	
10796.00	88.800	358.900	9278.43	1789.43	1789.39	-13.08	652569.82	410741.87	32°07'41.832"N	103°50'25.726"W	1.23	
10891.00	90.300	359.100	9279.18	1884.42	1884.37	-14.74	652568.16	410836.84	32°07'42.772"N	103°50'25.740"W	1.59	
10986.00	91.200	359.300	9277.94	1979.41	1979.35	-16.07	652566.84	410931.82	32°07'43.712"N	103°50'25.750"W	0.97	
11081.00	90.700	359.400	9276.36	2074.39	2074.33	-17.14	652565.76	411026.79	32°07'44.651"N	103°50'25.758"W	0.54	
11176.00	90.100	359.300	9275.70	2169.39	2169.32	-18.22	652564.68	411121.78	32°07'45.592"N	103°50'25.765"W	0.64	
11270.00	90.300	0.600	9275.37	2263.38	2263.32	-18.30	652564.60	411215.77	32°07'46.522"N	103°50'25.761"W	1.40	
11366.00	93.100	1.400	9272.52	2359.31	2359.25	-16.63	652566.27	411311.70	32°07'47.471"N	103°50'25.737"W	3.03	
11455.00	93.200	1.000	9267.63	2448.14	2448.10	-14.77	652568.13	411400.54	32°07'48.350"N	103°50'25.710"W	0.46	
11550.00	91.700	1.100	9263.57	2543.03	2542.99	-13.03	652569.87	411495.42	32°07'49.289"N	103°50'25.685"W	1.58	
11644.00	89.000	1.900	9263.00	2636.97	2636.95	-10.57	652572.33	411589.37	32°07'50.219"N	103°50'25.652"W	3.00	
11739.00	88.500	1.000	9265.07	2731.90	2731.89	-8.16	652574.74	411684.31	32°07'51.158"N	103°50'25.619"W	1.08	
11834.00	87.400	0.700	9268.47	2826.82	2826.82	-6.76	652576.14	411779.23	32°07'52.097"N	103°50'25.597"W	1.20	
11929.00	89.300	359.300	9271.20	2921.77	2921.78	-6.76	652576.14	411874.18	32°07'53.037"N	103°50'25.592"W	2.48	
12024.00	91.000	358.600	9270.95	3016.76	3016.76	-8.50	652574.40	411969.16	32°07'53.977"N	103°50'25.607"W	1.94	
12119.00	91.800	358.500	9268.63	3111.71	3111.70	-10.90	652572.00	412064.09	32°07'54.916"N	103°50'25.630"W	0.85	
12214.00	92.400	0.000	9265.15	3206.64	3206.62	-12.14	652570.76	412159.01	32°07'55.856"N	103°50'25.640"W	1.70	
12310.00	91.500	358.000	9261.88	3302.57	3302.54	-13.82	652569.08	412254.93	32°07'56.805"N	103°50'25.654"W	2.28	
12405.00	90.300	355.300	9260.39	3397.41	3397.36	-19.37	652563.53	412349.74	32°07'57.744"N	103°50'25.713"W	3.11	
12500.00	89.700	357.500	9260.39	3492.25	3492.17	-25.33	652557.57	412444.54	32°07'58.682"N	103°50'25.778"W	2.40	
12594.00	89.700	357.900	9260.88	3586.19	3586.09	-29.11	652553.80	412538.45	32°07'59.612"N	103°50'25.817"W	0.43	
12689.00	90.100	359.000	9261.05	3681.17	3681.05	-31.68	652551.23	412633.41	32°08'00.551"N	103°50'25.841"W	1.23	
12784.00	90.200	0.000	9260.80	3776.16	3776.05	-32.50	652550.40	412728.40	32°08'01.492"N	103°50'25.846"W	1.06	
12879.00	90.300	359.600	9260.39	3871.16	3871.05	-32.84	652550.07	412823.39	32°08'02.432"N	103°50'25.845"W	0.43	
12974.00	89.800	1.000	9260.30	3966.15	3966.04	-32.34	652550.56	412918.38	32°08'03.372"N	103°50'25.834"W	1.56	
13069.00	90.300	1.300	9260.22	4061.12	4061.02	-30.43	652552.47	413013.35	32°08'04.311"N	103°50'25.807"W	0.61	
13164.00	89.400	1.000	9260.47	4156.09	4156.00	-28.53	652554.38	413108.33	32°08'05.251"N	103°50'25.780"W	1.00	
13259.00	89.400	0.100	9261.46	4251.08	4250.99	-27.61	652555.29	413203.31	32°08'06.191"N	103°50'25.764"W	0.95	
13353.00	91.000	1.300	9261.14	4345.06	4344.98	-26.47	652556.44	413297.29	32°08'07.121"N	103°50'25.746"W	2.13	
13450.00	91.300	1.100	9259.19	4442.00	4441.94	-24.43	652558.47	413394.24	32°08'08.080"N	103°50'25.717"W	0.37	
13545.00	91.000	0.900	9257.28	4536.96	4536.90	-22.78	652560.12	413489.20	32°08'09.020"N	103°50'25.692"W	0.38	
13640.00	90.400	359.500	9256.12	4631.95	4631.89	-22.45	652560.46	413584.19	32°08'09.960"N	103°50'25.684"W	1.60	
13736.00	90.400	359.100	9255.45	4727.94	4727.88	-23.62	652559.28	413680.17	32°08'10.910"N	103°50'25.692"W	0.42	
13831.00	90.700	359.200	9254.54	4822.93	4822.87	-25.03	652557.87	413775.15	32°08'11.850"N	103°50'25.703"W	0.33	
13926.00	91.000	359.200	9253.13	4917.92	4917.85	-26.35	652556.55	413870.12	32°08'12.790"N	103°50'25.714"W	0.32	
14021.00	91.200	359.000	9251.31	5012.90	5012.82	-27.85	652555.06	413965.09	32°08'13.730"N	103°50'25.726"W	0.30	
14097.00	90.600	358.700	9250.11	5088.88	5088.79	-29.37	652553.53	414041.06	32°08'14.482"N	103°50'25.740"W	0.88	



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.1H SHL
Area	Eddy County, NM	Well	No.1H
Field	Poker Lake Unit	Wellbore	No.1H AWB
Facility	PLU Big Sinks 13-25-30 USA No.1H		

WELLPATH DATA (136 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
14150.00	90.600	358.700	9249.56	5141.87	5141.78	-30.57	652552.33	414094.04	32°08'15.006"N	103°50'25.751"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 BS 13-25-30 USA No.1H PBHL		9285.00	5116.14	-25.80	652557.10	414068.40	32°08'14.752"N	103°50'25.697"W	point		

WELLPATH COMPOSITION - Ref Wellbore: No.1H AWB - Ref Wellpath: No.1H AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	1118.00	Generic gyro - northseeking (Standard)	VES Gyro <74.98-1118>	No.1H AWB
1118.00	14097.00	NaviTrak (Standard)	BHI MWD NaviTrak <1179-XXXX>	No.1H AWB
14097.00	14150.00	Blind Drilling (std)	Projection to bit	No.1H AWB