



BOPCO, LP

Location: Eddy County, NM
Field: Big Eddy
Facility: Big Eddy Unit DI-9

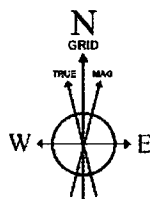
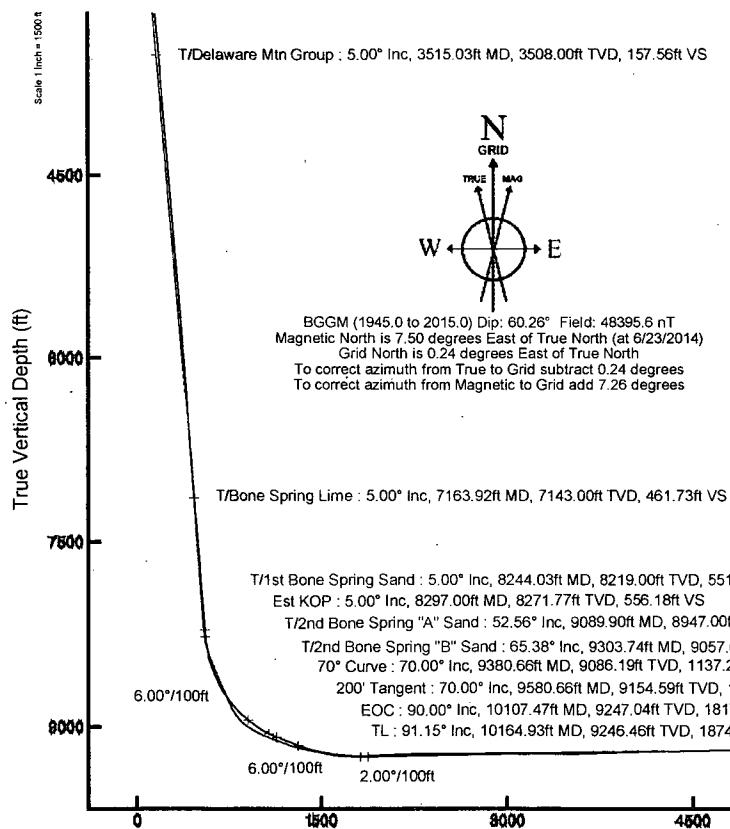
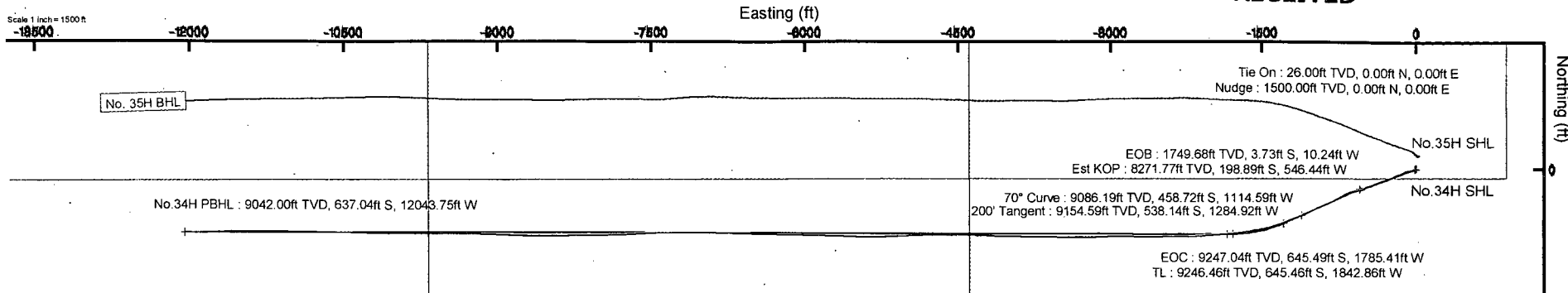
Slot: No.34H SHL
Well: No.34H
Wellbore: No.34H PWB

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 24 2014

BAKER
HUGHES

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BGGM (1945.0 to 2015.0) Dip: 60.26° Field: 48395.6 nT
Magnetic North is 7.50 degrees East of True North (at 6/23/2014)
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 7.26 degrees

Plot reference wellpath is Rev-D.0								
True vertical depths are referenced to Rig on No.34H (KB)				Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet				
Measured depths are referenced to Rig on No.34H (KB)				North Reference: Grid north				
Rig on No.34H (KB) to Mean Sea Level: 3174 feet				Scale: True distance				
Mean Sea Level to Mud line (At Slot: No.34H SHL): 0 feet				Depths are in feet				
Coordinates are in feet referenced to Slot				Created by: burnranj on 6/23/2014				
Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	26.00	0.000	250.000	26.00	0.00	0.00	0.00	0.00
Nudge	1500.00	0.000	250.000	1500.00	0.00	0.00	0.00	0.00
EOB	1750.00	5.000	250.000	1749.68	-3.73	-10.24	2.00	10.43
Est KOP	8297.00	5.000	250.000	8271.77	-198.89	-546.44	0.00	556.18
70° Curve	9380.66	70.000	245.000	9086.19	-458.72	-1114.59	6.00	1137.26
200' Tangent	9580.66	70.000	245.000	9154.59	-538.14	-1284.92	0.00	1311.55
EOC	10107.47	90.000	270.000	9247.04	-645.49	-1785.41	6.00	1817.01
TL	10164.93	91.148	270.047	9246.46	-645.46	-1842.86	2.00	1874.38
No.34H PBHL	20367.87	91.148	270.047	9042.00	-637.04	-12043.75	0.00	12060.59

Vertical Section (ft)

Azimuth 266.97° with reference 0.00 N, 0.00 E

Scale 1 inch = 1500 ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, LP	Slot	No.34H SHL
Area	Eddy County, NM	Well	No.34H
Field	Big Eddy	Wellbore	No.34H
Facility	Big Eddy Unit DI-9		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 4.0.0
North Reference	Grid	User	Burnranj
Scale	0.999932	Report Generated	10/14/2014 at 10:21:43 AM
Convergence at slot	0.24° East	Database/Source file	WA_MIDLAND/C:\Users\burnranj\AppData\Roaming\Well Explorer\temp\BOPCO, LP No.34H SHL_Final Surveys.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-628.34	59.20	640111.20	530364.50	32°27'26.154"N	103°52'44.714"W
Facility Reference Pt			640052.00	530992.80	32°27'32.374"N	103°52'45.374"W
Field Reference Pt			610823.03	524402.80	32°26'28.262"N	103°58'26.774"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No.34H (KB) to Facility Vertical Datum	3174.00ft
Horizontal Reference Pt	Slot	Rig on No.34H (KB) to Mean Sea Level	3174.00ft
Vertical Reference Pt	Rig on No.34H (KB)	Rig on No.34H (KB) to Mud Line at Slot (No.34H SHL)	3174.00ft
MD Reference Pt	Rig on No.34H (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	266.97°



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REFERENCE WELLPATH IDENTIFICATION			
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Area	Eddy County, NM	Well	No.34H
Field	Big Eddy	Wellbore	No.34H
Facility	Big Eddy Unit DI-9		

WELLPATH DATA (191 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
0.00†	0.000	273.930	0.00	0.00	0.00	0.00	640111.20	530364.50	0.00	
26.00	0.000	273.930	26.00	0.00	0.00	0.00	640111.20	530364.50	0.00	
100.00	0.870	273.930	100.00	0.56	0.04	-0.56	640110.64	530364.54	1.18	
200.00	0.200	284.610	199.99	1.48	0.13	-1.49	640109.71	530364.63	0.67	
300.00	0.050	43.450	299.99	1.61	0.21	-1.63	640109.57	530364.71	0.23	
400.00	0.040	59.460	399.99	1.55	0.26	-1.57	640109.63	530364.76	0.02	
500.00	0.130	81.030	499.99	1.41	0.30	-1.42	640109.78	530364.80	0.09	
600.00	0.210	82.640	599.99	1.11	0.34	-1.13	640110.07	530364.84	0.08	
700.00	0.310	84.130	699.99	0.66	0.39	-0.68	640110.52	530364.89	0.10	
800.00	0.620	89.910	799.99	0.15	0.42	0.13	640111.33	530364.92	0.31	
900.00	0.720	94.180	899.98	-1.32	0.37	1.30	640112.50	530364.87	0.11	
1000.00	0.410	41.830	999.98	-2.19	0.59	2.16	640113.36	530365.09	0.57	
1100.00	0.580	8.700	1099.97	-2.55	1.36	2.48	640113.68	530365.86	0.33	
1200.00	0.820	6.560	1199.96	-2.77	2.57	2.64	640113.84	530367.07	0.24	
1300.00	0.320	13.960	1299.96	-2.97	3.55	2.79	640113.99	530368.05	0.50	
1400.00	0.150	12.260	1399.96	-3.09	3.95	2.88	640114.08	530368.45	0.17	
1500.00	0.660	255.190	1499.96	-2.56	3.93	2.35	640113.55	530368.43	0.74	
1600.00	2.420	255.960	1599.92	0.08	3.27	-0.25	640110.95	530367.77	1.76	
1700.00	3.770	256.160	1699.77	5.38	1.97	-5.49	640105.71	530366.47	1.35	
1800.00	4.380	257.220	1799.51	12.37	0.34	-12.41	640098.79	530364.84	0.61	
1900.00	4.960	258.780	1899.18	20.42	-1.34	-20.37	640090.83	530363.16	0.59	
2000.00	5.740	258.910	1998.75	29.65	-3.15	-29.52	640081.68	530361.35	0.78	
2100.00	6.570	258.740	2098.17	40.26	-5.23	-40.04	640071.16	530359.27	0.83	
2200.00	6.540	258.170	2197.52	51.55	-7.51	-51.22	640059.98	530356.99	0.07	
2300.00	5.500	255.010	2296.96	61.87	-9.92	-61.43	640049.78	530354.58	1.09	
2400.00	5.610	254.830	2396.49	71.33	-12.44	-70.77	640040.43	530352.06	0.11	
2500.00	5.970	254.150	2495.98	81.18	-15.14	-80.49	640030.71	530349.37	0.37	
2600.00	5.620	252.270	2595.47	90.99	-18.05	-90.16	640021.05	530346.45	0.40	
2700.00	5.480	249.640	2695.00	100.28	-21.20	-99.30	640011.91	530343.30	0.29	
2800.00	5.670	250.170	2794.53	109.57	-24.54	-108.43	640002.78	530339.97	0.20	
2900.00	4.700	243.890	2894.12	118.07	-28.02	-116.75	639994.46	530336.49	1.12	
3000.00	4.330	240.660	2993.81	125.22	-31.67	-123.72	639987.49	530332.83	0.45	
3100.00	4.660	241.830	3093.50	132.28	-35.44	-130.59	639980.62	530329.07	0.34	
3200.00	5.340	245.740	3193.12	140.30	-39.27	-138.42	639972.79	530325.24	0.76	

3300.00	5.530	247.210	3292.67	149.17	-43.04	-147.10	639964.11	530321.46	0.24	
3400.00	4.910	249.650	3392.26	157.79	-46.40	-155.56	639955.66	530318.10	0.66	
3500.00	4.940	250.940	3491.89	166.01	-49.29	-163.64	639947.57	530315.21	0.11	
3600.00	4.940	251.240	3591.52	174.30	-52.08	-171.78	639939.43	530312.42	0.03	
3700.00	4.930	249.950	3691.15	182.55	-54.94	-179.90	639931.32	530309.56	0.11	
3800.00	5.010	248.930	3790.77	190.81	-57.98	-188.01	639923.20	530306.52	0.12	
3900.00	5.040	248.910	3890.39	199.14	-61.13	-196.18	639915.03	530303.37	0.03	
4000.00	4.990	248.070	3990.00	207.43	-64.34	-204.31	639906.90	530300.17	0.09	
4100.00	5.010	247.860	4089.62	215.67	-67.61	-212.39	639898.82	530296.90	0.03	
4200.00	5.000	247.240	4189.24	223.90	-70.94	-220.46	639890.76	530293.56	0.06	
4300.00	4.950	246.340	4288.86	232.03	-74.36	-228.43	639882.79	530290.15	0.09	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, LP	Slot	No.34H SHL
Area	Eddy County, NM	Well	No.34H
Field	Big Eddy	Wellbore	No.34H
Facility	Big Eddy Unit D1-9		

WELLPATH DATA (191 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
4400.00	5.020	245.370	4388.49	240.14	-77.91	-236.35	639874.86	530286.59	0.11	
4500.00	5.010	244.560	4488.10	248.24	-81.61	-244.28	639866.94	530282.89	0.07	
4600.00	4.930	244.010	4587.73	256.24	-85.37	-252.08	639859.14	530279.14	0.09	
4700.00	4.990	243.670	4687.35	264.19	-89.18	-259.84	639851.38	530275.32	0.07	
4800.00	5.020	242.870	4786.97	272.18	-93.11	-267.63	639843.59	530271.40	0.08	
4900.00	4.980	240.800	4886.59	280.07	-97.22	-275.32	639835.90	530267.29	0.18	
5000.00	5.050	239.860	4986.21	287.88	-101.55	-282.91	639828.31	530262.96	0.11	
5100.00	5.020	246.080	5085.82	295.88	-105.53	-290.72	639820.50	530258.98	0.55	
5200.00	4.970	256.130	5185.44	304.23	-108.34	-298.92	639812.30	530256.16	0.88	
5300.00	4.920	259.000	5285.07	312.73	-110.20	-307.34	639803.89	530254.31	0.25	
5400.00	5.030	257.980	5384.70	321.30	-111.93	-315.83	639795.39	530252.58	0.14	
5500.00	4.980	251.450	5484.32	329.82	-114.22	-324.24	639786.99	530250.28	0.57	
5600.00	4.730	249.590	5583.96	337.93	-117.04	-332.21	639779.01	530247.46	0.30	
5700.00	4.560	249.510	5683.63	345.66	-119.87	-339.80	639771.42	530244.64	0.17	
5800.00	4.500	249.290	5783.32	353.19	-122.65	-347.20	639764.03	530241.86	0.06	
5900.00	4.540	249.520	5883.00	360.70	-125.42	-354.57	639756.65	530239.09	0.04	
6000.00	4.520	250.270	5982.69	368.25	-128.14	-361.99	639749.24	530236.37	0.06	
6100.00	4.470	249.990	6082.38	375.75	-130.80	-369.36	639741.87	530233.71	0.05	
6200.00	4.530	249.200	6182.08	383.24	-133.54	-376.71	639734.51	530230.97	0.09	
6300.00	4.490	247.970	6281.77	390.70	-136.41	-384.03	639727.19	530228.10	0.10	
6400.00	4.480	248.920	6381.46	398.12	-139.28	-391.31	639719.92	530225.23	0.07	
6500.00	4.500	246.610	6481.15	405.51	-142.24	-398.55	639712.68	530222.27	0.18	
6600.00	4.620	246.980	6580.84	412.97	-145.38	-405.86	639705.37	530219.13	0.12	
6700.00	4.490	245.270	6680.52	420.39	-148.59	-413.12	639698.11	530215.92	0.19	
6800.00	4.510	244.340	6780.21	427.66	-151.93	-420.22	639691.01	530212.58	0.08	
6900.00	4.480	244.680	6879.91	434.90	-155.30	-427.29	639683.94	530209.21	0.04	
7000.00	4.350	251.150	6979.61	442.16	-158.20	-434.41	639676.82	530206.31	0.51	
7100.00	4.520	255.490	7079.31	449.67	-160.41	-441.82	639669.41	530204.10	0.38	
7200.00	4.470	252.960	7179.00	457.32	-162.54	-449.36	639661.87	530201.97	0.20	
7300.00	4.380	252.180	7278.70	464.79	-164.85	-456.72	639654.51	530199.66	0.11	
7400.00	4.440	252.820	7378.41	472.23	-167.16	-464.05	639647.18	530197.35	0.08	
7500.00	4.300	260.140	7478.12	479.71	-168.95	-471.44	639639.79	530195.57	0.57	
7600.00	4.630	265.930	7577.82	487.47	-169.87	-479.16	639632.07	530194.64	0.56	
7700.00	4.870	249.860	7677.48	495.56	-171.62	-487.17	639624.06	530192.89	1.35	

7800.00	5.020	235.290	7777.11	503.34	-175.58	-494.76	639616.48	530188.94	-1.26	
7900.00	5.000	232.950	7876.73	510.67	-180.69	-501.83	639609.40	530183.82	0.21	
8000.00	5.030	232.740	7976.34	517.91	-185.97	-508.80	639602.44	530178.54	0.04	
8100.00	5.240	232.280	8075.94	525.29	-191.42	-515.90	639595.34	530173.09	0.21	
8200.00	4.930	239.090	8175.55	532.84	-196.42	-523.20	639588.04	530168.09	0.68	
8300.00	8.570	251.750	8274.84	543.83	-200.96	-533.96	639577.27	530163.55	3.91	
8400.00	16.200	260.500	8372.45	564.92	-205.61	-554.83	639556.41	530158.91	7.84	
8500.00	22.520	260.840	8466.75	597.85	-210.96	-587.53	639523.71	530153.55	6.32	
8600.00	24.160	255.530	8558.58	636.96	-219.13	-626.26	639484.99	530145.39	2.67	
8700.00	24.250	249.290	8649.80	676.59	-231.50	-665.29	639445.96	530133.01	2.56	
8800.00	25.650	240.360	8740.50	715.52	-249.48	-703.32	639407.93	530115.04	4.01	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, LP	Slot	No.34H SHL
Area	Eddy County, NM	Well	No.34H
Field	Big Eddy	Wellbore	No.34H
Facility	Big Eddy Unit DI-9		

WELLPATH DATA (191-stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
8900.00	29.680	238.090	8829.05	756.57	-273.28	-743.17	639368.08	530091.24	4.16	
9000.00	38.480	240.670	8911.80	806.24	-301.66	-791.41	639319.85	530062.86	8.92	
9100.00	52.240	245.260	8981.91	871.18	-333.61	-854.75	639256.51	530030.92	14.14	
9200.00	62.810	246.690	9035.53	949.85	-367.85	-931.72	639179.54	529996.68	10.64	
9300.00	70.020	245.040	9075.52	1035.27	-405.33	-1015.28	639095.99	529959.20	7.37	
9375.00	70.270	245.340	9100.99	1100.78	-434.93	-1079.31	639031.96	529929.60	0.50	
9427.00	70.490	246.200	9118.45	1146.44	-455.03	-1123.98	638987.30	529909.50	1.61	
9445.00	70.350	246.120	9124.48	1162.30	-461.88	-1139.49	638971.79	529902.65	0.88	
9562.00	73.580	249.010	9160.71	1267.21	-504.31	-1242.31	638868.98	529860.23	3.62	
9594.00	75.040	249.120	9169.36	1296.52	-515.31	-1271.08	638840.21	529849.22	4.57	
9625.00	76.170	248.910	9177.07	1325.09	-526.07	-1299.11	638812.18	529838.47	3.70	
9656.00	77.340	249.110	9184.17	1353.79	-536.88	-1327.29	638784.01	529827.66	3.83	
9688.00	78.660	250.460	9190.83	1383.69	-547.69	-1356.66	638754.64	529816.85	5.83	
9720.00	79.710	252.170	9196.83	1413.96	-557.76	-1386.43	638724.87	529806.78	6.19	
9751.00	81.030	254.150	9202.02	1443.63	-566.61	-1415.68	638695.62	529797.93	7.60	
9783.00	81.120	254.870	9206.98	1474.50	-575.05	-1446.15	638665.16	529789.49	2.24	
9815.00	81.560	257.160	9211.80	1505.56	-582.70	-1476.84	638634.46	529781.84	7.21	
9847.00	81.370	257.530	9216.55	1536.76	-589.63	-1507.72	638603.59	529774.91	1.29	
9879.00	81.490	259.070	9221.32	1568.04	-596.05	-1538.70	638572.61	529768.49	4.77	
9911.00	82.430	260.430	9225.79	1599.47	-601.68	-1569.88	638541.43	529762.86	5.13	
9942.00	82.310	260.660	9229.91	1630.00	-606.73	-1600.19	638511.12	529757.81	0.83	
9974.00	83.870	261.280	9233.76	1661.60	-611.72	-1631.56	638479.75	529752.83	5.24	
10006.00	85.410	262.560	9236.75	1693.33	-616.20	-1663.10	638448.21	529748.35	6.25	
10038.00	86.760	263.340	9238.93	1725.18	-620.11	-1694.79	638416.53	529744.43	4.87	
10069.00	87.540	263.950	9240.48	1756.08	-623.54	-1725.56	638385.76	529741.00	3.19	
10101.00	89.140	264.550	9241.40	1788.03	-626.74	-1757.38	638353.94	529737.80	5.34	
10132.00	90.650	264.500	9241.46	1819.00	-629.70	-1788.24	638323.09	529734.84	4.87	
10164.00	92.900	264.370	9240.47	1850.96	-632.80	-1820.07	638291.26	529731.74	7.04	
10259.00	93.140	263.920	9235.46	1945.71	-642.48	-1914.44	638196.89	529722.06	0.54	
10352.00	91.970	266.100	9231.32	2038.55	-650.56	-2006.99	638104.35	529713.98	2.66	
10446.00	91.700	266.200	9228.31	2132.50	-656.87	-2100.73	638010.62	529707.68	0.31	
10542.00	92.710	269.260	9224.61	2228.40	-660.67	-2196.57	637914.78	529703.88	3.35	
10637.00	90.920	270.900	9221.60	2323.21	-660.54	-2291.52	637819.84	529704.01	2.55	
10732.00	88.740	268.390	9221.88	2418.09	-661.12	-2386.50	637724.86	529703.42	3.50	

10826.00	89.200	267.730	9223.57	2512.06	-664.31	-2480.43	637630.94	529700.24	0.86	
10920.00	90.150	269.270	9224.11	2606.02	-666.77	-2574.40	637536.99	529697.78	1.92	
11015.00	91.170	271.130	9223.01	2700.86	-666.44	-2669.38	637442.00	529698.11	2.23	
11110.00	91.700	270.750	9220.63	2795.60	-664.88	-2764.34	637347.05	529699.67	0.69	
11205.00	91.230	270.480	9218.21	2890.38	-663.86	-2859.30	637252.10	529700.69	0.57	
11300.00	90.490	270.160	9216.78	2985.20	-663.33	-2954.29	637157.12	529701.22	0.85	
11395.00	89.780	267.740	9216.56	3080.14	-665.07	-3049.27	637062.15	529699.48	2.65	
11490.00	87.280	266.930	9218.99	3175.10	-669.48	-3144.12	636967.30	529695.06	2.77	
11585.00	88.000	268.720	9222.91	3270.00	-673.09	-3238.97	636872.46	529691.46	2.03	
11680.00	90.370	270.340	9224.26	3364.89	-673.86	-3333.95	636777.49	529690.68	3.02	
11775.00	91.390	271.190	9222.80	3459.67	-672.60	-3428.93	636682.52	529691.95	1.40	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, LP	Slot	No.34H SHL
Area	Eddy County, NM	Well	No.34H
Field	Big Eddy	Wellbore	No.34H
Facility	Big Eddy Unit DI-9		

WELLPATH DATA (191 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
11871.00	91.200	271.470	9220.63	3555.36	-670.37	-3524.88	636586.57	529694.18	0.35	
11965.00	91.970	271.100	9218.03	3649.06	-668.26	-3618.82	636492.64	529696.29	0.91	
12033.00	92.500	270.730	9215.38	3716.85	-667.18	-3686.75	636424.70	529697.37	0.95	
12128.00	91.660	270.640	9211.93	3811.59	-666.04	-3781.68	636329.78	529698.51	0.89	
12223.00	91.600	270.490	9209.23	3906.36	-665.10	-3876.64	636234.83	529699.44	0.17	
12318.00	91.630	270.840	9206.55	4001.13	-664.00	-3971.60	636139.88	529700.54	0.37	
12412.00	91.630	271.250	9203.87	4094.85	-662.29	-4065.54	636045.94	529702.26	0.44	
12506.00	91.670	271.450	9201.17	4188.54	-660.07	-4159.48	635952.01	529704.47	0.22	
12602.00	91.720	271.910	9198.33	4284.17	-657.26	-4255.39	635856.11	529707.28	0.48	
12697.00	91.110	271.390	9195.98	4378.82	-654.53	-4350.33	635761.18	529710.02	0.84	
12792.00	91.450	270.470	9193.86	4473.57	-652.99	-4445.29	635666.22	529711.56	1.03	
12886.00	91.140	269.090	9191.74	4567.43	-653.35	-4539.26	635572.26	529711.20	1.50	
13077.00	91.750	270.570	9186.92	4758.13	-653.91	-4730.19	635381.34	529710.63	0.84	
13266.00	91.630	267.700	9181.34	4946.89	-656.77	-4919.07	635192.48	529707.78	1.52	
13361.00	91.140	267.540	9179.05	5041.86	-660.71	-5013.96	635097.59	529703.84	0.54	
13455.00	91.020	267.330	9177.28	5135.84	-664.91	-5107.85	635003.71	529699.63	0.26	
13550.00	92.030	267.560	9174.75	5230.80	-669.15	-5202.72	634908.85	529695.40	1.09	
13644.00	91.330	268.490	9171.99	5324.74	-672.39	-5296.62	634814.95	529692.16	1.24	
13739.00	90.890	270.820	9170.15	5419.61	-672.96	-5391.60	634719.98	529691.59	2.50	
13834.00	90.310	272.300	9169.16	5514.30	-670.37	-5486.55	634625.03	529694.18	1.67	
13928.00	90.920	272.140	9168.15	5607.90	-666.73	-5580.48	634531.12	529697.82	0.67	
14116.00	90.770	271.530	9165.37	5795.20	-660.71	-5768.36	634343.25	529703.83	0.33	
14304.00	90.860	271.270	9162.70	5982.62	-656.12	-5956.28	634155.34	529708.43	0.15	
14494.00	90.920	271.120	9159.75	6172.08	-652.16	-6146.22	633965.41	529712.39	0.09	
14683.00	90.830	270.960	9156.86	6360.59	-648.73	-6335.16	633776.48	529715.82	0.10	
14874.00	91.320	271.340	9153.28	6551.04	-644.89	-6526.09	633585.57	529719.65	0.32	
15064.00	91.390	271.600	9148.79	6740.41	-640.02	-6715.98	633395.70	529724.52	0.14	
15253.00	91.480	271.900	9144.05	6928.69	-634.25	-6904.83	633206.86	529730.29	0.17	
15443.00	91.170	269.580	9139.66	7118.22	-631.80	-7094.75	633016.95	529732.75	1.23	
15634.00	91.350	268.820	9135.53	7306.03	-634.42	-7282.68	632829.03	529730.12	0.42	
15821.00	92.680	267.690	9128.84	7495.85	-640.20	-7472.47	632639.26	529724.34	0.92	
16009.00	90.860	266.480	9123.04	7683.75	-649.76	-7660.13	632451.61	529714.79	1.16	
16199.00	90.800	268.580	9120.29	7873.71	-657.95	-7849.92	632261.83	529706.60	1.11	
16388.00	90.680	269.120	9117.84	8062.60	-661.74	-8038.86	632072.90	529702.81	0.29	

16578.00	90.770	269.530	9115.44	8252.42	-663.98	-8228.84	631882.94	529700.57	0.22	
16766.00	90.890	269.210	9112.72	8440.24	-666.05	-8416.80	631694.99	529698.50	0.18	
16954.00	90.770	270.080	9109.99	8628.01	-667.21	-8604.78	631507.03	529697.34	0.47	
17144.00	91.390	271.930	9106.41	8817.50	-663.88	-8794.71	631317.11	529700.67	1.03	
17238.00	91.200	272.430	9104.29	8911.08	-660.30	-8888.61	631223.21	529704.24	0.57	
17429.00	91.420	271.960	9099.92	9101.24	-652.99	-9079.42	631032.42	529711.56	0.27	
17620.00	91.230	271.460	9095.50	9291.54	-647.29	-9270.29	630841.57	529717.25	0.28	
17807.00	91.940	270.000	9090.33	9478.06	-644.91	-9457.19	630654.67	529719.63	0.87	
17996.00	92.370	269.650	9083.22	9666.69	-645.49	-9646.06	630465.82	529719.06	0.29	
18186.00	90.800	269.060	9077.97	9856.44	-647.63	-9835.97	630275.93	529716.92	0.88	
18376.00	91.570	270.140	9074.04	10046.20	-648.95	-10025.92	630085.99	529715.59	0.70	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, LP	Slot	No.34H SHL
Area	Eddy County, NM	Well	No.34H
Field	Big Eddy	Wellbore	No.34H
Facility	Big Eddy Unit DI-9		

WELLPATH DATA (191 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
18567.00	91.200	271.650	9069.42	10236.69	-645.97	-10216.83	629895.09	529718.58	0.81	
18754.00	90.990	271.900	9065.85	10423.00	-640.18	-10403.71	629708.22	529724.37	0.17	
18939.00	90.590	271.460	9063.30	10607.36	-634.75	-10588.61	629523.33	529729.79	0.32	
19128.00	92.290	271.640	9058.55	10795.69	-629.64	-10777.47	629334.48	529734.90	0.90	
19318.00	91.600	270.790	9052.10	10985.06	-625.62	-10967.32	629144.65	529738.93	0.58	
19508.00	92.000	270.760	9046.13	11174.54	-623.05	-11157.21	628954.78	529741.49	0.21	
19698.00	90.150	270.120	9042.57	11364.15	-621.59	-11347.16	628764.84	529742.95	1.03	
19888.00	90.220	269.340	9041.95	11553.93	-622.49	-11537.16	628574.86	529742.06	0.41	
20078.00	90.250	268.000	9041.18	11743.84	-626.90	-11727.10	628384.93	529737.65	0.71	
20268.00	90.120	269.070	9040.56	11933.77	-631.75	-11917.03	628195.01	529732.79	0.57	
20313.00	90.180	269.300	9040.44	11978.73	-632.39	-11962.03	628150.01	529732.15	0.53	

TARGETS										
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape	
BEU DI9 No.34H PBHL		9125.00	-637.04	-12043.75	628068.30	529727.50	32°27'20.335"N	103°55'05.297"W	point	

WELLPATH COMPOSITION - Ref Wellbore: No.34H - Ref Wellpath: No.34H AWP - Final				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
26.00	9375.00	Gyrodata standard - Continuous gyro	Gyrodata Directional Surveys <100 - 9375>	No.34H
9375.00	20313.00	NaviTrak (Standard)	BHI NaviTrak <9427-20313>	No.34H