



Actual Wellpath Report

No.254H AWP

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30-015-41798



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	BEU DI28 No.254H
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H AWB
Facility	Big Eddy Unit DI-28	Sidetrack from	No 254H AWB (pilot) at 7699.00 MD

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	Gentbry
Scale	0.999923	Report Generated	2/27/2014 at 11:29:28 AM
Convergence at slot	0.19° East	Database/Source file	MidlandDB/No.254H_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.10	-0.10	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W
Facility Reference Pt			609767.90	540212.80	32°29'04.750"N	103°58'38.471"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.254H SHL (KB) to Facility Vertical Datum	3469.42ft
Horizontal Reference Pt	Slot	Rig on No.254H SHL (KB) to Mean Sea Level	3469.42ft
Vertical Reference Pt	Rig on No.254H SHL (KB)	Rig on No.254H SHL (KB) to Mud Line at Slot (BEU DI28 No.254H)	3469.42ft
MD Reference Pt	Rig on No.254H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	94.90°

Provide signature page for Survey



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Field	Big Eddy	Wellbore	No.254H AWB
Facility	Big Eddy Unit DI-28	Sidetrack from	No 254H AWB (pilot) at 7699.00 MD

WELLPATH DATA (283 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
4.55	0.000	231.720	4.55	0.00	0.00	0.00	609767.80	540212.90	32°29'04.751"N	103°58'38.472"W	0.00	
100.00	0.660	231.720	100.00	-0.40	-0.34	-0.43	609767.37	540212.56	32°29'04.747"N	103°58'38.477"W	0.69	
200.00	0.600	240.610	199.99	-1.25	-0.95	-1.34	609766.46	540211.95	32°29'04.741"N	103°58'38.488"W	0.11	
300.00	0.420	251.700	299.99	-2.02	-1.33	-2.14	609765.66	540211.57	32°29'04.738"N	103°58'38.497"W	0.20	
400.00	0.260	280.610	399.99	-2.59	-1.40	-2.72	609765.09	540211.50	32°29'04.737"N	103°58'38.504"W	0.23	
500.00	0.290	301.710	499.99	-3.04	-1.22	-3.15	609764.65	540211.68	32°29'04.739"N	103°58'38.509"W	0.10	
600.00	0.340	15.260	599.98	-3.21	-0.81	-3.29	609764.51	540212.09	32°29'04.743"N	103°58'38.511"W	0.38	
700.00	0.680	27.830	699.98	-2.93	0.01	-2.94	609764.86	540212.91	32°29'04.751"N	103°58'38.507"W	0.36	
800.00	0.610	29.230	799.97	-2.47	0.99	-2.40	609765.40	540213.89	32°29'04.761"N	103°58'38.500"W	0.07	
900.00	0.870	33.740	899.97	-1.85	2.06	-1.68	609766.12	540214.96	32°29'04.771"N	103°58'38.492"W	0.28	
1000.00	1.000	30.340	999.95	-1.06	3.42	-0.77	609767.03	540216.32	32°29'04.785"N	103°58'38.481"W	0.17	
1100.00	1.000	33.850	1099.94	-0.27	4.89	0.15	609767.95	540217.79	32°29'04.799"N	103°58'38.470"W	0.06	
1200.00	0.250	55.140	1199.93	0.32	5.74	0.82	609768.62	540218.64	32°29'04.808"N	103°58'38.463"W	0.77	
1300.00	0.200	60.530	1299.93	0.64	5.95	1.15	609768.95	540218.85	32°29'04.810"N	103°58'38.459"W	0.05	
1400.00	0.230	66.310	1399.93	0.96	6.12	1.49	609769.28	540219.02	32°29'04.811"N	103°58'38.455"W	0.04	
1500.00	0.400	87.600	1499.93	1.48	6.22	2.02	609769.82	540219.12	32°29'04.812"N	103°58'38.449"W	0.20	
1600.00	0.530	64.540	1599.92	2.22	6.43	2.78	609770.58	540219.33	32°29'04.814"N	103°58'38.440"W	0.23	
1700.00	0.420	52.520	1699.92	2.89	6.85	3.49	609771.29	540219.75	32°29'04.819"N	103°58'38.431"W	0.15	
1800.00	0.240	72.830	1799.92	3.36	7.14	3.98	609771.78	540220.04	32°29'04.821"N	103°58'38.426"W	0.21	
1900.00	0.280	62.440	1899.92	3.76	7.31	4.40	609772.20	540220.21	32°29'04.823"N	103°58'38.421"W	0.06	
2000.00	0.440	82.550	1999.92	4.34	7.47	5.00	609772.80	540220.37	32°29'04.825"N	103°58'38.414"W	0.20	
2100.00	0.650	57.100	2099.91	5.16	7.83	5.85	609773.65	540220.73	32°29'04.828"N	103°58'38.404"W	0.32	
2200.00	0.650	54.470	2199.90	6.04	8.47	6.79	609774.59	540221.37	32°29'04.834"N	103°58'38.393"W	0.03	
2300.00	0.570	42.310	2299.90	6.78	9.17	7.59	609775.39	540222.07	32°29'04.841"N	103°58'38.383"W	0.15	
2400.00	0.580	38.730	2399.89	7.36	9.93	8.24	609776.04	540222.83	32°29'04.849"N	103°58'38.376"W	0.04	
2500.00	0.480	67.450	2499.89	8.01	10.49	8.94	609776.74	540223.38	32°29'04.854"N	103°58'38.367"W	0.28	
2600.00	0.620	44.350	2599.89	8.73	11.03	9.71	609777.51	540223.93	32°29'04.860"N	103°58'38.359"W	0.26	
2700.00	0.390	59.670	2699.88	9.35	11.59	10.38	609778.18	540224.49	32°29'04.865"N	103°58'38.351"W	0.26	
2800.00	0.480	82.220	2799.88	10.04	11.82	11.09	609778.89	540224.72	32°29'04.867"N	103°58'38.342"W	0.19	
2900.00	0.600	74.480	2899.87	10.94	12.02	12.01	609779.81	540224.92	32°29'04.869"N	103°58'38.332"W	0.14	
3000.00	0.780	72.600	2999.87	12.06	12.36	13.16	609780.96	540225.26	32°29'04.873"N	103°58'38.318"W	0.18	
3100.00	0.750	65.680	3099.86	13.26	12.83	14.41	609782.21	540225.73	32°29'04.877"N	103°58'38.304"W	0.10	
3107.00	0.770	60.620	3106.86	13.34	12.88	14.49	609782.29	540225.78	32°29'04.878"N	103°58'38.303"W	1.00	
3252.00	0.630	51.500	3251.85	14.72	13.85	15.96	609783.76	540226.75	32°29'04.887"N	103°58'38.285"W	0.12	
3347.00	0.680	48.210	3346.84	15.65	14.25	16.93	609784.73	540227.15	32°29'04.891"N	103°58'38.274"W	0.37	
3441.00	0.260	78.500	3440.84	16.40	14.37	17.69	609785.49	540227.27	32°29'04.892"N	103°58'38.265"W	0.45	
3536.00	0.890	82.700	3535.83	17.33	14.51	18.64	609786.43	540227.41	32°29'04.894"N	103°58'38.254"W	0.66	
3630.00	0.740	101.300	3629.82	18.64	14.48	19.96	609787.75	540227.38	32°29'04.893"N	103°58'38.239"W	0.32	
3725.00	0.750	76.200	3724.81	19.84	14.51	21.16	609788.96	540227.41	32°29'04.894"N	103°58'38.225"W	0.34	
3914.00	0.770	114.700	3913.80	22.21	14.28	23.52	609791.31	540227.17	32°29'04.891"N	103°58'38.197"W	0.27	
4103.00	0.530	83.500	4102.79	24.26	13.84	25.54	609793.34	540226.74	32°29'04.887"N	103°58'38.174"W	0.22	
4292.00	0.450	96.100	4291.78	25.86	13.86	27.14	609794.94	540226.76	32°29'04.887"N	103°58'38.155"W	0.07	
4481.00	0.490	89.500	4480.77	27.41	13.79	28.69	609796.49	540226.69	32°29'04.886"N	103°58'38.137"W	0.04	
4670.00	0.870	205.400	4669.77	27.71	12.50	28.88	609796.68	540225.40	32°29'04.874"N	103°58'38.135"W	0.62	
4860.00	0.810	222.700	4859.75	26.38	10.21	27.35	609795.15	540223.11	32°29'04.851"N	103°58'38.153"W	0.14	



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BAKER HUGHES

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Facility	Big Eddy Unit DI-28	Sidetrack from	No 254H AWB (pilot) at 7699.00 MD

WELLPATH DATA (283 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
5049.00	1.030	203.400	5048.72	25.02	7.67	25.77	609793.57	540220.57	32°29'04.826"N	103°58'38.171"W	0.20	
5238.00	1.200	210.700	5237.69	23.62	4.41	24.09	609791.89	540217.31	32°29'04.794"N	103°58'38.191"W	0.12	
5428.00	0.910	210.700	5427.65	22.10	1.40	22.30	609790.10	540214.30	32°29'04.764"N	103°58'38.212"W	0.15	
5617.00	1.190	213.900	5616.62	20.50	-1.52	20.44	609788.24	540211.38	32°29'04.735"N	103°58'38.234"W	0.15	
5806.00	1.280	214.300	5805.58	18.61	-4.95	18.25	609786.05	540207.95	32°29'04.701"N	103°58'38.259"W	0.06	
5995.00	1.260	222.000	5994.53	16.41	-8.30	15.76	609783.56	540204.60	32°29'04.668"N	103°58'38.289"W	0.13	
6185.00	0.770	222.000	6184.50	14.38	-10.80	13.51	609781.31	540202.10	32°29'04.644"N	103°58'38.315"W	0.26	
6374.00	0.900	224.300	6373.48	12.68	-12.80	11.62	609779.42	540200.10	32°29'04.624"N	103°58'38.337"W	0.07	
6564.00	1.340	204.400	6563.45	10.99	-15.90	9.66	609777.46	540197.01	32°29'04.593"N	103°58'38.360"W	0.31	
6753.00	0.860	200.000	6752.41	9.88	-19.24	18.27	609776.07	540193.66	32°29'04.560"N	103°58'38.377"W	0.26	
6942.00	0.410	298.000	6941.40	8.89	-20.26	7.18	609774.98	540192.65	32°29'04.550"N	103°58'38.389"W	0.53	
7131.00	0.330	44.400	7130.40	8.61	-19.55	6.97	609774.77	540193.35	32°29'04.557"N	103°58'38.392"W	0.31	
7320.00	0.660	13.700	7319.39	9.13	-18.10	7.61	609775.41	540194.80	32°29'04.571"N	103°58'38.384"W	0.22	
7510.00	0.340	38.300	7509.39	9.60	-16.60	8.22	609776.01	540196.30	32°29'04.586"N	103°58'38.377"W	0.20	
7699.00	0.560	348.800	7698.38	9.66	-15.25	18.38	609776.18	540197.65	32°29'04.600"N	103°58'38.375"W	0.23	
7832.00	0.490	105.140	7831.38	10.04	-14.76	8.81	609776.61	540198.14	32°29'04.604"N	103°58'38.370"W	0.67	
7896.00	0.730	111.940	7895.37	10.69	-14.99	9.45	609777.25	540197.91	32°29'04.602"N	103°58'38.363"W	0.39	
7926.00	1.970	120.220	7925.37	11.34	-15.32	10.07	609777.87	540197.58	32°29'04.599"N	103°58'38.355"W	4.17	
7958.00	4.190	129.790	7957.32	12.80	-16.34	11.45	609779.24	540196.56	32°29'04.589"N	103°58'38.339"W	7.10	
7989.00	6.200	127.420	7988.19	15.14	-18.08	13.65	609781.44	540194.82	32°29'04.571"N	103°58'38.314"W	6.52	
8021.00	7.850	128.350	8019.95	18.42	-20.49	16.73	609784.53	540192.41	32°29'04.548"N	103°58'38.278"W	5.17	
8053.00	10.280	132.580	8051.55	22.51	-23.78	20.55	609788.35	540189.12	32°29'04.515"N	103°58'38.233"W	7.87	
8084.00	12.600	135.550	8081.93	27.26	-28.07	24.95	609792.75	540184.84	32°29'04.472"N	103°58'38.182"W	7.72	
8116.00	14.540	139.640	8113.03	32.76	-33.62	30.00	609797.80	540179.28	32°29'04.417"N	103°58'38.123"W	6.76	
8147.00	17.160	136.620	8142.85	38.94	-39.91	35.66	609803.46	540172.99	32°29'04.355"N	103°58'38.058"W	8.86	
8179.00	18.980	134.880	8173.27	46.45	-47.01	42.59	609810.39	540165.89	32°29'04.284"N	103°58'37.977"W	5.93	
8210.00	20.270	134.350	8202.47	54.46	-54.32	50.00	609817.80	540158.58	32°29'04.212"N	103°58'37.891"W	4.20	
8242.00	22.350	135.010	8232.28	63.40	-62.50	58.27	609826.07	540150.40	32°29'04.130"N	103°58'37.795"W	6.54	
8273.00	23.870	134.670	8260.79	72.73	-71.08	66.90	609834.69	540141.82	32°29'04.045"N	103°58'37.694"W	4.92	
8305.00	25.340	134.450	8289.89	82.99	-80.43	76.39	609844.19	540132.48	32°29'03.952"N	103°58'37.584"W	4.60	
8337.00	27.490	132.400	8318.55	94.13	-90.21	86.74	609854.53	540122.70	32°29'03.855"N	103°58'37.463"W	7.30	
8368.00	30.100	134.890	8345.71	105.76	-100.52	97.53	609865.32	540112.39	32°29'03.753"N	103°58'37.338"W	9.26	
8400.00	32.480	135.270	8373.05	118.46	-112.29	109.26	609877.05	540100.62	32°29'03.636"N	103°58'37.201"W	7.46	
8431.00	35.160	136.700	8398.81	131.46	-124.70	121.24	609889.03	540088.21	32°29'03.513"N	103°58'37.062"W	9.02	
8463.00	37.340	138.290	8424.61	145.38	-138.65	134.02	609901.81	540074.26	32°29'03.374"N	103°58'36.913"W	7.42	
8494.00	39.230	138.930	8448.94	159.26	-153.06	146.72	609914.51	540059.85	32°29'03.231"N	103°58'36.766"W	6.23	
8526.00	39.800	138.360	8473.63	173.97	-168.34	160.17	609927.96	540044.57	32°29'03.080"N	103°58'36.609"W	2.11	
8558.00	40.760	138.050	8498.04	189.03	-183.77	173.96	609941.75	540029.15	32°29'02.927"N	103°58'36.449"W	3.06	
8589.00	42.050	137.410	8521.29	204.07	-198.94	187.75	609955.54	540013.98	32°29'02.776"N	103°58'36.288"W	4.38	
8621.00	43.100	136.010	8544.86	220.21	-214.69	202.60	609970.38	539998.22	32°29'02.620"N	103°58'36.116"W	4.42	
8652.00	43.990	136.200	8567.33	236.27	-230.08	217.40	609985.19	539982.83	32°29'02.467"N	103°58'35.943"W	2.90	
8684.00	44.740	135.700	8590.21	253.15	-246.16	232.96	610000.74	539966.75	32°29'02.307"N	103°58'35.762"W	2.59	
8715.00	47.060	136.040	8611.78	269.96	-262.14	248.46	610016.24	539950.78	32°29'02.149"N	103°58'35.582"W	7.53	
8747.00	49.920	135.840	8632.98	288.03	-279.36	265.12	610032.90	539933.56	32°29'01.978"N	103°58'35.388"W	8.95	
8779.00	52.730	136.850	8652.98	306.75	-297.44	282.36	610050.14	539915.49	32°29'01.798"N	103°58'35.188"W	9.12	



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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	BEU DI28 No.254H
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H AWB
Facility	Big Eddy Unit DI-28	Sidetrack from	No 254H AWB (pilot) at 7699.00 MD

WELLPATH DATA (283 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
8810.00	55.710	134.270	8671.10	325.83	-315.38	299.98	610067.75	539897.54	32°29'01.620"N	103°58'34.983"W	11.75	
8842.00	58.460	134.230	8688.49	346.60	-334.12	319.22	610086.99	539878.80	32°29'01.434"N	103°58'34.759"W	8.59	
8873.00	61.800	133.980	8703.93	367.43	-352.83	338.52	610106.29	539860.10	32°29'01.248"N	103°58'34.534"W	10.80	
8905.00	65.470	134.190	8718.14	389.65	-372.77	359.11	610126.88	539840.16	32°29'01.050"N	103°58'34.295"W	11.48	
8936.00	69.100	134.140	8730.10	411.79	-392.69	379.62	610147.39	539820.24	32°29'00.853"N	103°58'34.056"W	11.71	
8968.00	70.840	133.290	8741.06	435.22	-413.47	401.35	610169.12	539799.46	32°29'00.646"N	103°58'33.803"W	5.98	
9000.00	70.890	133.750	8751.55	458.84	-434.29	423.27	610191.04	539778.65	32°29'00.440"N	103°58'33.548"W	1.37	
9031.00	70.940	132.860	8761.69	481.80	-454.38	444.59	610212.35	539758.56	32°29'00.240"N	103°58'33.300"W	2.72	
9063.00	70.640	133.540	8772.22	505.51	-475.07	466.62	610234.38	539737.87	32°29'00.035"N	103°58'33.044"W	2.21	
9094.00	70.560	133.000	8782.52	528.44	-495.11	487.91	610255.67	539717.83	32°28'59.836"N	103°58'32.796"W	1.66	
9126.00	69.800	133.400	8793.37	552.06	-515.72	509.85	610277.61	539697.23	32°28'59.631"N	103°58'32.541"W	2.65	
9158.00	70.020	133.400	8804.36	575.58	-536.36	531.69	610299.45	539676.58	32°28'59.426"N	103°58'32.287"W	0.69	
9189.00	72.800	133.720	8814.24	598.53	-556.61	552.98	610320.73	539656.33	32°28'59.225"N	103°58'32.039"W	9.02	
9221.00	76.470	133.570	8822.72	622.59	-577.90	575.30	610343.06	539635.04	32°28'59.013"N	103°58'31.779"W	11.48	
9252.00	79.670	133.970	8829.12	646.20	-598.88	597.20	610364.95	539614.07	32°28'58.805"N	103°58'31.524"W	10.40	
9284.00	80.080	133.300	8834.75	670.77	-620.62	620.00	610387.75	539592.33	32°28'58.589"N	103°58'31.259"W	2.43	
9315.00	80.990	132.990	8839.85	694.79	-641.53	642.31	610410.06	539571.42	32°28'58.382"N	103°58'30.999"W	3.10	
9347.00	81.550	133.250	8844.71	719.64	-663.15	665.40	610433.14	539549.80	32°28'58.167"N	103°58'30.731"W	1.93	
9378.00	83.030	134.000	8848.86	743.61	-684.34	687.63	610455.38	539528.61	32°28'57.956"N	103°58'30.472"W	5.34	
9410.00	84.260	133.220	8852.41	768.42	-706.28	710.66	610478.40	539506.68	32°28'57.739"N	103°58'30.204"W	4.54	
9441.00	85.890	132.650	8855.07	792.75	-727.32	733.27	610501.01	539485.64	32°28'57.530"N	103°58'29.941"W	5.57	
9473.00	87.440	131.860	8856.93	818.14	-748.80	756.92	610524.66	539464.16	32°28'57.316"N	103°58'29.666"W	5.43	
9504.00	88.120	129.900	8858.13	843.21	-769.07	780.34	610548.07	539443.89	32°28'57.115"N	103°58'29.393"W	6.69	
9536.00	87.590	129.180	8859.33	869.52	-789.43	805.00	610572.73	539423.54	32°28'56.913"N	103°58'29.106"W	2.79	
9567.00	87.000	127.280	8860.79	895.39	-808.59	829.32	610597.05	539404.38	32°28'56.722"N	103°58'28.823"W	6.41	
9599.00	88.240	127.030	8862.12	922.43	-827.90	854.80	610622.53	539385.07	32°28'56.530"N	103°58'28.526"W	3.95	
9630.00	89.910	126.440	8862.62	948.76	-846.44	879.64	610647.37	539366.53	32°28'56.346"N	103°58'28.237"W	5.71	
9662.00	90.120	126.530	8862.61	976.02	-865.46	905.37	610673.10	539347.50	32°28'56.157"N	103°58'27.937"W	0.71	
9694.00	89.690	124.520	8862.66	1003.56	-884.06	931.41	610699.14	539328.91	32°28'55.972"N	103°58'27.634"W	6.42	
9725.00	89.480	123.440	8862.89	1030.65	-901.38	957.12	610724.84	539311.59	32°28'55.800"N	103°58'27.335"W	3.55	
9757.00	89.050	121.890	8863.30	1058.97	-918.65	984.05	610751.77	539294.32	32°28'55.628"N	103°58'27.021"W	5.03	
9788.00	89.070	121.760	8863.81	1086.60	-935.00	1010.39	610778.11	539277.98	32°28'55.466"N	103°58'26.714"W	0.42	
9820.00	89.480	120.870	8864.21	1115.26	-951.63	1037.72	610805.44	539261.35	32°28'55.300"N	103°58'26.396"W	3.06	
9851.00	89.690	120.150	8864.44	1143.21	-967.36	1064.43	610832.15	539245.61	32°28'55.143"N	103°58'26.084"W	2.42	
9883.00	89.170	118.450	8864.76	1172.35	-983.02	1092.33	610860.05	539229.95	32°28'54.988"N	103°58'25.759"W	5.56	
9914.00	89.010	118.360	8865.25	1200.78	-997.77	1119.60	610887.31	539215.21	32°28'54.841"N	103°58'25.442"W	0.59	
9946.00	89.260	117.810	8865.73	1230.19	-1012.83	1147.83	610915.54	539200.15	32°28'54.691"N	103°58'25.113"W	1.89	
9977.00	89.080	117.400	8866.18	1258.79	-1027.19	1175.30	610943.00	539185.79	32°28'54.548"N	103°58'24.793"W	1.44	
10009.00	88.980	116.810	8866.72	1288.41	-1041.77	1203.78	610971.48	539171.21	32°28'54.403"N	103°58'24.461"W	1.87	
10040.00	88.580	115.040	8867.38	1317.34	-1055.32	1231.65	610999.35	539157.66	32°28'54.268"N	103°58'24.136"W	5.85	
10072.00	88.300	114.270	8868.25	1347.44	-1068.67	1260.72	611028.42	539144.32	32°28'54.135"N	103°58'23.797"W	2.56	
10103.00	88.460	114.150	8869.13	1376.69	-1081.37	1288.98	611056.68	539131.61	32°28'54.008"N	103°58'23.468"W	0.65	
10135.00	88.090	113.370	8870.09	1406.96	-1094.26	1318.26	611085.95	539118.73	32°28'53.879"N	103°58'23.126"W	2.70	
10166.00	87.750	112.280	8871.22	1436.43	-1106.28	1346.81	611114.50	539106.71	32°28'53.759"N	103°58'22.794"W	3.68	
10198.00	87.220	110.910	8872.62	1467.05	-1118.04	1376.53	611144.23	539094.95	32°28'53.642"N	103°58'22.447"W	4.59	



Actual Wellpath Report

No.254H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	BEU DI28 No.254H
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H AWB
Facility	Big Eddy Unit DI-28	Sidetrack from	No 254H AWB (pilot) at 7699.00 MD

WELLPATH DATA (283 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
10229.00	87.100	106.840	8874.16	1497.09	-1128.06	1405.83	611173.51	539084.93	32°28'53.542"N	103°58'22.106"W	13.12	
10261.00	87.380	106.830	8875.70	1528.37	-1137.31	1436.42	611204.11	539075.68	32°28'53.449"N	103°58'21.749"W	0.88	
10293.00	87.220	103.190	8877.21	1559.83	-1145.59	1467.29	611234.97	539067.40	32°28'53.366"N	103°58'21.389"W	11.37	
10324.00	87.100	100.270	8878.74	1590.57	-1151.89	1497.60	611265.28	539061.11	32°28'53.303"N	103°58'21.035"W	9.42	
10356.00	86.860	98.030	8880.43	1622.43	-1156.97	1529.15	611296.83	539056.02	32°28'53.252"N	103°58'20.667"W	7.03	
10387.00	86.260	96.170	8882.29	1653.35	-1160.79	1559.85	611327.53	539052.20	32°28'53.213"N	103°58'20.309"W	6.29	
10419.00	86.480	94.400	8884.32	1685.29	-1163.73	1591.65	611359.32	539049.26	32°28'53.183"N	103°58'19.938"W	5.56	
10450.00	86.510	94.260	8886.21	1716.23	-1166.07	1622.50	611390.18	539046.92	32°28'53.159"N	103°58'19.578"W	0.46	
10482.00	87.690	96.140	8887.83	1748.18	-1168.97	1654.33	611422.00	539044.03	32°28'53.129"N	103°58'19.206"W	6.93	
10514.00	88.370	96.030	8888.93	1780.16	-1172.36	1686.13	611453.80	539040.64	32°28'53.094"N	103°58'18.835"W	2.15	
10545.00	89.290	94.630	8889.56	1811.15	-1175.23	1716.99	611484.65	539037.76	32°28'53.065"N	103°58'18.475"W	5.40	
10576.00	89.600	93.660	8889.86	1842.15	-1177.48	1747.91	611515.57	539035.52	32°28'53.042"N	103°58'18.114"W	3.28	
10596.00	89.910	92.990	8889.95	1862.14	-1178.64	1767.87	611535.53	539034.36	32°28'53.029"N	103°58'17.881"W	3.69	
10710.00	90.300	90.100	8889.74	1975.93	-1181.71	1881.82	611649.47	539031.29	32°28'52.995"N	103°58'16.551"W	2.56	
10805.00	90.300	89.700	8889.24	2070.57	-1181.54	1976.82	611744.46	539031.45	32°28'52.994"N	103°58'15.442"W	0.42	
10900.00	90.300	89.700	8888.75	2165.17	-1181.05	2071.81	611839.45	539031.95	32°28'52.995"N	103°58'14.333"W	0.00	
10996.00	90.900	89.500	8887.74	2260.76	-1180.38	2167.81	611935.43	539032.62	32°28'52.999"N	103°58'13.213"W	0.66	
11091.00	90.300	89.000	8886.75	2355.29	-1179.13	2262.79	612030.41	539033.86	32°28'53.008"N	103°58'12.104"W	0.82	
11186.00	90.300	88.600	8886.25	2449.75	-1177.14	2357.77	612125.38	539035.85	32°28'53.024"N	103°58'10.995"W	0.42	
11281.00	90.600	89.000	8885.50	2544.21	-1175.15	2452.74	612220.35	539037.84	32°28'53.041"N	103°58'09.886"W	0.53	
11376.00	90.400	88.900	8884.67	2638.69	-1173.41	2547.73	612315.32	539039.58	32°28'53.055"N	103°58'08.778"W	0.24	
11471.00	90.400	89.500	8884.01	2733.22	-1172.09	2642.71	612410.30	539040.91	32°28'53.065"N	103°58'07.669"W	0.63	
11566.00	90.400	89.700	8883.35	2827.81	-1171.42	2737.71	612505.29	539041.57	32°28'53.068"N	103°58'06.560"W	0.21	
11661.00	90.000	89.800	8883.02	2922.42	-1171.01	2832.71	612600.28	539041.98	32°28'53.069"N	103°58'05.451"W	0.43	
11756.00	90.100	90.300	8882.93	3017.08	-1171.09	2927.71	612695.27	539041.90	32°28'53.065"N	103°58'04.342"W	0.54	
11851.00	90.100	91.500	8882.77	3111.85	-1172.58	3022.69	612790.25	539040.41	32°28'53.047"N	103°58'03.233"W	1.26	
11947.00	90.900	92.100	8881.93	3207.70	-1175.60	3118.64	612886.19	539037.39	32°28'53.014"N	103°58'02.113"W	1.04	
12042.00	91.000	92.200	8880.35	3302.58	-1179.16	3213.56	612981.11	539033.83	32°28'52.975"N	103°58'01.005"W	0.15	
12137.00	89.400	91.600	8880.02	3397.45	-1182.31	3308.50	613076.04	539030.68	32°28'52.941"N	103°57'59.897"W	1.80	
12233.00	90.200	91.300	8880.36	3493.27	-1184.74	3404.47	613172.00	539028.25	32°28'52.914"N	103°57'58.727"W	0.89	
12328.00	90.800	90.900	8879.53	3588.06	-1186.56	3499.45	613266.97	539026.43	32°28'52.892"N	103°57'57.668"W	0.76	
12423.00	90.200	90.400	8878.70	3682.79	-1187.64	3594.44	613361.96	539025.35	32°28'52.879"N	103°57'56.559"W	0.82	
12518.00	89.900	90.500	8878.62	3777.51	-1188.39	3689.44	613456.95	539024.61	32°28'52.868"N	103°57'55.451"W	0.33	
12614.00	89.700	90.200	8878.95	3873.20	-1188.97	3785.43	613552.93	539024.02	32°28'52.859"N	103°57'54.330"W	0.38	
12709.00	88.800	89.900	8880.20	3967.85	-1189.06	3880.43	613647.92	539023.94	32°28'52.855"N	103°57'53.221"W	1.00	
12804.00	90.300	88.900	8880.94	4062.41	-1188.06	3975.41	613742.90	539024.93	32°28'52.861"N	103°57'52.112"W	1.90	
12900.00	88.600	88.500	8881.86	4157.84	-1185.88	4071.38	613838.86	539027.11	32°28'52.880"N	103°57'50.992"W	1.82	
12995.00	88.600	89.200	8884.18	4252.28	-1183.98	4166.33	613933.80	539029.02	32°28'52.895"N	103°57'49.883"W	0.74	
13090.00	88.600	88.900	8886.50	4346.75	-1182.40	4261.29	614028.75	539030.59	32°28'52.908"N	103°57'48.775"W	0.32	
13185.00	88.400	88.400	8888.99	4441.16	-1180.17	4356.23	614123.69	539032.83	32°28'52.926"N	103°57'47.666"W	0.57	
13280.00	88.700	88.100	8891.40	4535.49	-1177.27	4451.16	614218.60	539035.73	32°28'52.952"N	103°57'46.558"W	0.45	
13376.00	88.600	88.500	8893.66	4630.82	-1174.42	4547.09	614314.53	539038.57	32°28'52.977"N	103°57'45.438"W	0.43	
13471.00	88.800	88.300	8895.81	4725.19	-1171.77	4642.03	614409.46	539041.23	32°28'53.000"N	103°57'44.330"W	0.30	
13566.00	88.700	89.000	8897.89	4819.60	-1169.53	4736.98	614504.40	539043.46	32°28'53.019"N	103°57'43.221"W	0.74	
13661.00	88.900	89.300	8899.87	4914.10	-1168.12	4831.94	614599.36	539044.87	32°28'53.029"N	103°57'42.113"W	0.38	



Actual Wellpath Report

No.254H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	BEU DI28 No.254H
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H AWP
Facility	Big Eddy Unit DI-28	Sidetrack from	No 254H AWP (pilot) at 7699.00 MD

WELLPATH DATA (283 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
13757.00	89.100	89.500	8901.55	5009.64	-1167.12	4927.92	614695.33	539045.88	32°28'53.036"N	103°57'40.992"W	0.29	
13852.00	88.800	90.600	8903.29	5104.29	-1167.20	5022.91	614790.31	539045.79	32°28'53.032"N	103°57'39.884"W	1.20	
13947.00	88.400	92.000	8905.61	5199.07	-1169.35	5117.85	614885.25	539043.64	32°28'53.007"N	103°57'38.775"W	1.53	
14042.00	88.200	91.900	8908.43	5293.90	-1172.58	5212.75	614980.14	539040.41	32°28'52.972"N	103°57'37.668"W	0.24	
14138.00	88.100	91.600	8911.53	5389.70	-1175.51	5308.66	615076.04	539037.48	32°28'52.940"N	103°57'36.548"W	0.33	
14233.00	88.300	92.300	8914.51	5484.53	-1178.75	5403.56	615170.93	539034.25	32°28'52.904"N	103°57'35.441"W	0.77	
14328.00	89.300	94.100	8916.50	5579.46	-1184.05	5498.38	615265.75	539028.95	32°28'52.849"N	103°57'34.334"W	2.17	
14424.00	89.700	93.600	8917.34	5675.44	-1190.49	5594.16	615361.52	539022.50	32°28'52.782"N	103°57'33.216"W	0.67	
14519.00	90.100	92.900	8917.51	5770.40	-1195.88	5689.01	615456.36	539017.12	32°28'52.725"N	103°57'32.109"W	0.85	
14614.00	90.200	92.000	8917.26	5865.31	-1199.94	5783.92	615551.26	539013.06	32°28'52.681"N	103°57'31.001"W	0.95	
14709.00	90.700	92.100	8916.51	5960.19	-1203.34	5878.86	615646.19	539009.66	32°28'52.645"N	103°57'29.893"W	0.54	
14804.00	91.600	92.500	8914.61	6055.07	-1207.15	5973.76	615741.09	539005.85	32°28'52.604"N	103°57'28.786"W	1.04	
14899.00	91.200	92.400	8912.28	6149.96	-1211.21	6068.64	615835.96	539001.79	32°28'52.560"N	103°57'27.678"W	0.43	
14995.00	90.800	93.000	8910.61	6245.87	-1215.73	6164.52	615931.84	538997.27	32°28'52.512"N	103°57'26.559"W	0.75	
15090.00	90.800	93.600	8909.28	6340.82	-1221.20	6259.36	616026.66	538991.80	32°28'52.455"N	103°57'25.452"W	0.63	
15185.00	89.700	92.400	8908.87	6435.77	-1226.17	6354.22	616121.52	538986.83	32°28'52.402"N	103°57'24.345"W	1.71	
15280.00	87.900	90.300	8910.86	6530.56	-1228.41	6449.16	616216.45	538984.59	32°28'52.377"N	103°57'23.237"W	2.91	
15375.00	88.500	89.100	8913.84	6625.12	-1227.91	6544.11	616311.40	538985.09	32°28'52.378"N	103°57'22.129"W	1.41	
15470.00	88.000	87.600	8916.74	6719.45	-1225.18	6639.03	616406.30	538987.82	32°28'52.402"N	103°57'21.020"W	1.66	
15565.00	86.300	87.600	8921.47	6813.56	-1221.20	6733.82	616501.09	538991.79	32°28'52.438"N	103°57'19.914"W	1.79	
15660.00	86.400	87.500	8927.51	6907.58	-1217.15	6828.54	616595.80	538995.85	32°28'52.475"N	103°57'18.808"W	0.15	
15755.00	86.300	90.900	8933.56	7001.91	-1215.83	6923.33	616690.58	538997.17	32°28'52.484"N	103°57'17.701"W	3.57	
15850.00	86.500	93.600	8939.53	7096.61	-1219.55	7018.06	616785.30	538993.45	32°28'52.444"N	103°57'16.596"W	2.84	
15944.00	86.400	91.700	8945.35	7190.35	-1223.89	7111.77	616879.01	538989.11	32°28'52.398"N	103°57'15.502"W	2.02	
16039.00	86.400	85.600	8951.32	7284.56	-1221.65	7206.51	616973.74	538991.34	32°28'52.417"N	103°57'14.396"W	6.41	
16134.00	86.400	87.000	8957.29	7378.30	-1215.54	7301.13	617068.35	538997.46	32°28'52.474"N	103°57'13.291"W	1.47	
16229.00	87.700	89.200	8962.18	7472.50	-1212.39	7395.94	617163.16	539000.60	32°28'52.502"N	103°57'12.184"W	2.69	
16324.00	90.200	90.400	8963.92	7567.10	-1212.06	7490.92	617258.12	539000.94	32°28'52.502"N	103°57'11.076"W	2.92	
16417.00	89.000	91.300	8964.57	7659.86	-1213.44	7583.90	617351.10	538999.56	32°28'52.485"N	103°57'09.990"W	1.61	
16510.00	88.800	91.200	8966.35	7752.65	-1215.47	7676.86	617444.05	538997.53	32°28'52.461"N	103°57'08.905"W	0.24	
16605.00	88.800	91.700	8968.34	7847.46	-1217.87	7771.81	617538.99	538995.12	32°28'52.434"N	103°57'07.797"W	0.53	
16700.00	88.900	92.200	8970.25	7942.31	-1221.10	7866.74	617633.91	538991.89	32°28'52.399"N	103°57'06.689"W	0.54	
16795.00	88.400	91.800	8972.49	8037.17	-1224.42	7961.65	617728.82	538988.58	32°28'52.363"N	103°57'05.581"W	0.67	
16890.00	88.400	88.800	8975.14	8131.81	-1224.92	8056.60	617823.76	538988.08	32°28'52.355"N	103°57'04.473"W	3.16	
16985.00	88.500	88.500	8977.71	8226.21	-1222.68	8151.54	617918.70	538990.32	32°28'52.373"N	103°57'03.364"W	0.33	
17081.00	88.300	88.800	8980.39	8321.60	-1220.42	8247.48	618014.62	538992.58	32°28'52.392"N	103°57'02.244"W	0.38	
17176.00	88.300	89.000	8983.21	8416.04	-1218.59	8342.42	618109.56	538994.40	32°28'52.407"N	103°57'01.136"W	0.21	
17269.00	88.300	89.400	8985.97	8508.54	-1217.30	8435.37	618202.50	538995.70	32°28'52.417"N	103°57'00.051"W	0.43	
17365.00	88.200	90.100	8988.90	8604.11	-1216.88	8531.32	618298.45	538996.12	32°28'52.417"N	103°56'58.931"W	0.74	
17460.00	88.300	90.800	8991.80	8698.78	-1217.62	8626.27	618393.39	538995.37	32°28'52.406"N	103°56'57.822"W	0.74	
17555.00	88.300	91.900	8994.62	8793.55	-1219.86	8721.20	618488.31	538993.14	32°28'52.381"N	103°56'56.714"W	1.16	
17651.00	88.300	92.500	8997.47	8889.40	-1223.54	8817.09	618584.19	538989.45	32°28'52.341"N	103°56'55.595"W	0.62	
17746.00	88.300	92.900	9000.28	8984.29	-1228.02	8911.94	618679.04	538984.98	32°28'52.293"N	103°56'54.488"W	0.42	
17842.00	88.200	90.600	9003.22	9080.09	-1230.95	9007.85	618774.93	538982.05	32°28'52.261"N	103°56'53.369"W	2.40	
17937.00	88.800	89.400	9005.70	9174.71	-1230.95	9102.81	618869.89	538982.05	32°28'52.258"N	103°56'52.260"W	1.41	



Actual Wellpath Report

No.254H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	BEU DI28 No.254H
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H AWB
Facility	Big Eddy Unit DI-28	Sidetrack from	No 254H AWB (pilot) at 7699.00 MD

WELLPATH DATA (283 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
18032.00	88.900	89.700	9007.61	9269.28	-1230.20	9197.79	618964.86	538982.80	32°28'52.262"N	103°56'51.152"W	0.33	
18127.00	89.200	90.800	9009.19	9363.95	-1230.62	9292.77	619059.84	538982.38	32°28'52.254"N	103°56'50.043"W	1.20	
18222.00	88.800	91.500	9010.84	9458.73	-1232.52	9387.74	619154.80	538980.47	32°28'52.232"N	103°56'48.934"W	0.85	
18318.00	88.800	91.400	9012.85	9554.53	-1234.95	9483.69	619250.74	538978.05	32°28'52.204"N	103°56'47.814"W	0.10	
18413.00	88.900	89.500	9014.76	9649.22	-1235.70	9578.66	619345.70	538977.30	32°28'52.194"N	103°56'46.706"W	2.00	
18508.00	89.000	89.100	9016.50	9743.75	-1234.54	9673.64	619440.67	538978.46	32°28'52.202"N	103°56'45.597"W	0.43	
18600.00	88.400	88.100	9018.59	9835.17	-1232.29	9765.58	619532.61	538980.71	32°28'52.221"N	103°56'44.524"W	1.27	
18695.00	88.600	88.400	9021.08	9929.50	-1229.39	9860.51	619627.53	538983.61	32°28'52.246"N	103°56'43.415"W	0.38	
18789.00	88.600	89.100	9023.37	10022.93	-1227.34	9954.46	619721.47	538985.66	32°28'52.263"N	103°56'42.319"W	0.74	
18884.00	88.600	89.500	9025.69	10117.45	-1226.18	10049.42	619816.43	538986.82	32°28'52.271"N	103°56'41.210"W	0.42	
18977.00	88.600	89.600	9027.97	10210.01	-1225.45	10142.39	619909.39	538987.55	32°28'52.275"N	103°56'40.125"W	0.11	
19072.00	88.600	89.900	9030.29	10304.60	-1225.03	10237.36	620004.35	538987.96	32°28'52.275"N	103°56'39.016"W	0.32	
19168.00	88.600	89.800	9032.63	10400.20	-1224.78	10333.33	620100.31	538988.21	32°28'52.274"N	103°56'37.896"W	0.10	
19263.00	88.600	89.900	9034.95	10494.80	-1224.53	10428.30	620195.28	538988.46	32°28'52.273"N	103°56'36.787"W	0.11	
19358.00	88.600	90.600	9037.27	10589.46	-1224.95	10523.27	620290.24	538988.05	32°28'52.266"N	103°56'35.679"W	0.74	
19453.00	88.600	90.800	9039.60	10684.18	-1226.11	10618.24	620385.20	538986.89	32°28'52.251"N	103°56'34.570"W	0.21	
19548.00	88.600	91.200	9041.92	10778.93	-1227.77	10713.19	620480.15	538985.23	32°28'52.231"N	103°56'33.462"W	0.42	
19643.00	88.700	91.400	9044.15	10873.71	-1229.92	10808.14	620575.09	538983.08	32°28'52.206"N	103°56'32.353"W	0.24	
19739.00	88.600	91.200	9046.42	10969.50	-1232.10	10904.09	620671.03	538980.90	32°28'52.181"N	103°56'31.233"W	0.23	
19834.00	88.600	91.100	9048.74	11064.27	-1234.01	10999.05	620765.98	538978.99	32°28'52.159"N	103°56'30.125"W	0.11	
19929.00	88.700	91.500	9050.98	11159.05	-1236.16	11093.99	620860.92	538976.84	32°28'52.134"N	103°56'29.017"W	0.43	
20024.00	88.600	92.300	9053.21	11253.89	-1239.31	11188.91	620955.83	538973.69	32°28'52.100"N	103°56'27.909"W	0.85	
20120.00	88.700	91.300	9055.48	11349.73	-1242.32	11284.84	621051.75	538970.68	32°28'52.066"N	103°56'26.789"W	1.05	
20215.00	88.700	87.700	9057.63	11444.26	-1241.49	11379.80	621146.70	538971.50	32°28'52.071"N	103°56'25.681"W	3.79	
20310.00	88.700	88.300	9059.79	11538.55	-1238.18	11474.71	621241.61	538974.82	32°28'52.100"N	103°56'24.573"W	0.63	
20405.00	88.600	88.700	9062.03	11632.93	-1235.69	11569.65	621336.54	538977.30	32°28'52.122"N	103°56'23.464"W	0.43	
20500.00	88.600	89.300	9064.35	11727.40	-1234.04	11664.61	621431.49	538978.96	32°28'52.134"N	103°56'22.356"W	0.63	
20595.00	88.900	89.400	9066.42	11821.93	-1232.96	11759.58	621526.45	538980.04	32°28'52.142"N	103°56'21.247"W	0.33	
20691.00	88.700	88.900	9068.43	11917.43	-1231.54	11855.55	621622.41	538981.46	32°28'52.152"N	103°56'20.127"W	0.56	
20786.00	88.500	89.200	9070.75	12011.90	-1229.96	11950.51	621717.36	538983.04	32°28'52.164"N	103°56'19.018"W	0.38	
20881.00	88.100	89.700	9073.57	12106.43	-1229.05	12045.46	621812.31	538983.95	32°28'52.170"N	103°56'17.910"W	0.67	
20977.00	88.600	89.100	9076.33	12201.95	-1228.04	12141.42	621908.26	538984.95	32°28'52.176"N	103°56'16.790"W	0.81	
21072.00	88.400	89.300	9078.82	12296.44	-1226.72	12236.37	622003.21	538986.28	32°28'52.186"N	103°56'15.681"W	0.30	
21167.00	88.500	90.100	9081.39	12391.02	-1226.22	12331.34	622098.16	538986.78	32°28'52.187"N	103°56'14.573"W	0.85	
21262.00	88.700	90.000	9083.71	12485.65	-1226.30	12426.31	622193.13	538986.69	32°28'52.183"N	103°56'13.464"W	0.24	
21358.00	88.400	89.800	9086.14	12581.25	-1226.14	12522.28	622289.09	538986.86	32°28'52.181"N	103°56'12.344"W	0.38	
21453.00	87.900	89.800	9089.21	12675.83	-1225.80	12617.23	622384.03	538987.19	32°28'52.181"N	103°56'11.235"W	0.53	
21548.00	88.500	88.700	9092.19	12770.32	-1224.56	12712.17	622478.96	538988.44	32°28'52.190"N	103°56'10.127"W	1.32	
21643.00	87.800	88.900	9095.26	12864.73	-1222.57	12807.10	622573.89	538990.42	32°28'52.206"N	103°56'09.019"W	0.77	
21738.00	87.900	87.800	9098.82	12959.04	-1219.84	12901.99	622668.77	538993.16	32°28'52.230"N	103°56'07.911"W	1.16	
21833.00	88.200	86.400	9102.05	13053.10	-1215.04	12996.81	622763.58	538997.96	32°28'52.274"N	103°56'06.804"W	1.51	
21928.00	88.200	85.600	9105.04	13146.91	-1208.41	13091.53	622858.30	539004.58	32°28'52.336"N	103°56'05.698"W	0.84	
22023.00	88.200	86.600	9108.02	13240.74	-1201.95	13186.27	622953.02	539011.04	32°28'52.396"N	103°56'04.592"W	1.05	
22118.00	87.400	88.200	9111.67	13334.86	-1197.65	13281.09	623047.84	539015.35	32°28'52.435"N	103°56'03.485"W	1.88	
22213.00	87.400	89.900	9115.98	13429.26	-1196.07	13375.98	623142.72	539016.92	32°28'52.447"N	103°56'02.377"W	1.79	



Actual Wellpath Report

No.254H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	BEU DI28 No.254H
Area	Eddy County, NM	Well	No.254H
Field	Big Eddy	Wellbore	No.254H AWB
Facility	Big Eddy Unit DI-28	Sidetrack from	No 254H AWB (pilot) at 7699.00 MD

WELLPATH DATA (283 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
22308.00	88.200	94.600	9119.63	13524.06	-1199.80	13470.81	623237.54	539013.19	32°28'52.407"N	103°56'01.270"W	5.01	
22403.00	87.800	94.500	9122.94	13619.00	-1207.33	13565.45	623332.18	539005.66	32°28'52.329"N	103°56'00.166"W	0.43	
22498.00	88.300	91.600	9126.18	13713.89	-1212.38	13660.25	623426.97	539000.61	32°28'52.275"N	103°55'59.059"W	3.10	
22593.00	88.500	90.200	9128.83	13808.62	-1213.88	13755.20	623521.91	538999.12	32°28'52.257"N	103°55'57.951"W	1.49	
22687.00	88.000	91.000	9131.70	13902.31	-1214.86	13849.15	623615.85	538998.14	32°28'52.244"N	103°55'56.854"W	1.00	
22781.00	88.000	91.700	9134.98	13996.07	-1217.07	13943.07	623709.76	538995.92	32°28'52.218"N	103°55'55.758"W	0.74	
22876.00	87.800	91.000	9138.46	14090.82	-1219.31	14037.98	623804.67	538993.69	32°28'52.193"N	103°55'54.650"W	0.77	
22970.00	88.300	90.100	9141.66	14184.49	-1220.21	14131.92	623898.60	538992.79	32°28'52.180"N	103°55'53.554"W	1.09	
23065.00	88.300	91.100	9144.48	14279.18	-1221.21	14226.87	623993.54	538991.79	32°28'52.167"N	103°55'52.445"W	1.05	
23159.00	87.800	91.600	9147.68	14372.95	-1223.42	14320.79	624087.45	538989.58	32°28'52.141"N	103°55'51.349"W	0.75	
23254.00	87.900	94.500	9151.24	14467.82	-1228.47	14415.57	624182.23	538984.53	32°28'52.088"N	103°55'50.243"W	3.05	
23337.00	88.900	93.800	9153.56	14550.78	-1234.47	14498.32	624264.98	538978.52	32°28'52.025"N	103°55'49.277"W	1.47	
23413.00	88.900	93.800	9155.02	14626.75	-1239.51	14574.14	624340.79	538973.49	32°28'51.973"N	103°55'48.392"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
No.254H PBHL		9154.00	-1247.60	14544.05	624310.70	538965.40	32°28'51.894"N	103°55'48.744"W	point

WELLPATH COMPOSITION - Ref Wellbore: No.254H AWB Ref Wellpath: No.254H AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
4.55	3107.00	Generic gyro - northseeking (Standard)	GyroData Gyro <100-3107>	No 254H AWB (pilot)
3107.00	7699.00	NaviTrak (Standard)	BHI MWD NaviTrak <3252-XXXX>	No 254H AWB (pilot)
7699.00	23337.00	NaviTrak (Standard)	BHI MWD <7832-22337>	No.254H AWB
23337.00	23413.00	Blind Drilling (std)	Projection to bit	No.254H AWB



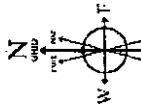
BOPCO, L.P.

Location: Eddy County, NM
Field: Big Eddy
Facility: Big Eddy Unit DI-28

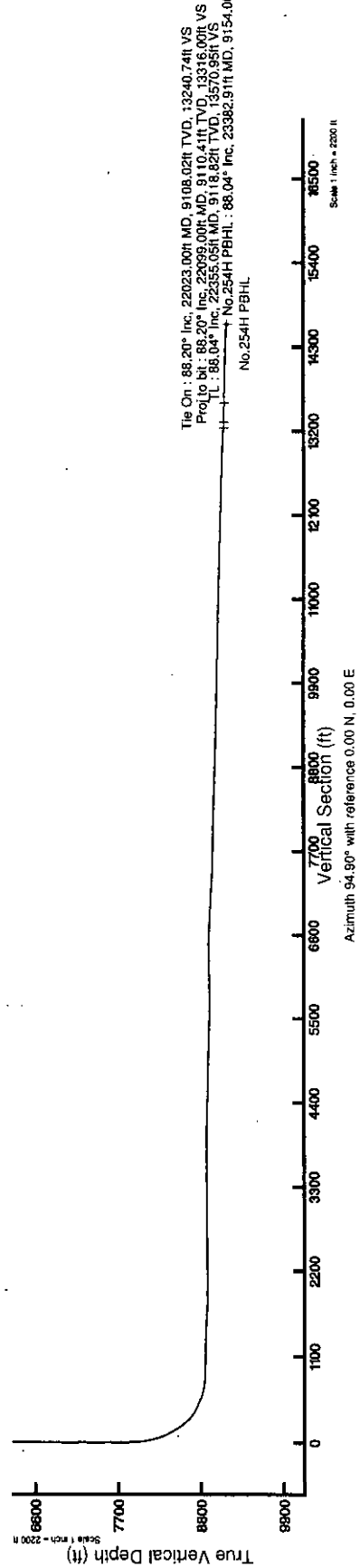
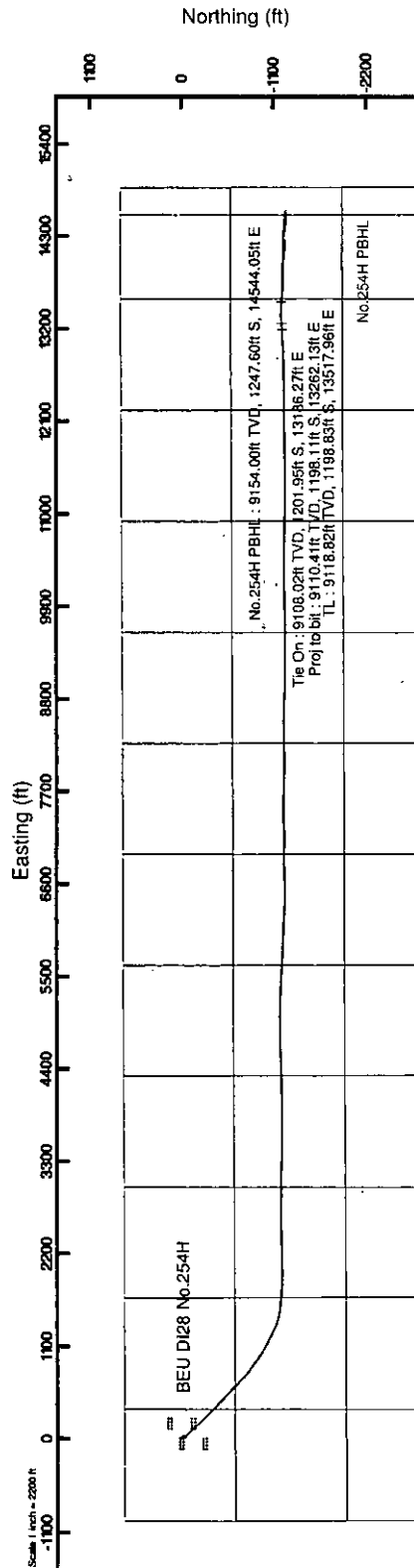
Slot: BEU DI28 No.254H
Well: No.254H
Wellbore: No.254H PWB

This information is for informational purposes only.	
Grid Section: 36N27E / T4S Range 36W / Eastern Zone (2001) 38 feet	Grid Section: 36N27E / T4S Range 36W / Eastern Zone (2001) 38 feet
Horizontal distance is measured in feet on the 254H BSE (70)	Horizontal distance is measured in feet on the 254H BSE (70)
Vertical distance is measured in feet on the 254H BSE (70)	Vertical distance is measured in feet on the 254H BSE (70)
Grid on No.254H BSE (70) is based on Mean Sea Level (MSL) 2 feet	Grid on No.254H BSE (70) is based on Mean Sea Level (MSL) 2 feet
Mean Sea Level is based on the 254H BSE (70)	Mean Sea Level is based on the 254H BSE (70)
Contributions are to be referenced to MSL	Contributions are to be referenced to MSL

Well Profile Data									
Design Comment	MD (ft)	IC (ft)	IC (ft)	IC (ft)	IC (ft)	IC (ft)	IC (ft)	IC (ft)	IC (ft)
254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)
254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)
254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)
254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)
254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)
254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)
254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)
254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)	254H BSE (70)



BOPCO, L.P. 254H BSE (70) 254H BSE (70) 254H BSE (70)
Magnetic North is 7.38 degrees East of True North
Grid North is 0.18 degrees East of True North
To correct azimuth from True to Grid add/subtract 0.18 degrees
To correct azimuth from Magnetic to Grid add 7.56 degrees



Tie On : 88.20° Inc. 22023.00ft MD, 9108.02ft TVD, 13240.74ft VS
Proj to bit : 88.20° Inc. 22099.00ft MD, 9110.41ft TVD, 13316.00ft VS
TL : 88.04° Inc. 22355.05ft MD, 9118.82ft TVD, 13570.95ft VS
No.254H PBHL : 88.04° Inc. 23382.91ft MD, 9154.00ft TVD, 14597.46ft VS

Vertical Section (ft)
Azimuth 94.90° with reference 0.00 N, 0.00 E

Scale 1 inch = 200 ft