

30-015-42324



Actual Wellpath Report

No. 195H AWP - Final

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, LP	Slot	No. 195H SHL
Area	Eddy County, NM	Well	No. 195H
Field	JRU NAD27	Wellbore	No. 195H AWB
Facility	JRU No. 195H		

REPORTS FILE 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	0.999937	Report Generated	6/17/2014 at 3:43:59 PM
Convergence at slot	0.27° East	Database/Source file	WA_MIDLAND/C:\Users\burnranj\AppData\Roaming\Well Explorer\temp\BOPCO, LP No. 195H 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	0.00	0.00	656623.70	489009.40	32°20'36.179"N	103°49'34.287"W
Facility Reference Pt			656623.70	489009.40	32°20'36.179"N	103°49'34.287"W
Field Reference Pt			652495.44	494904.92	32°21'34.711"N	103°50'22.090"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 195H SHL (KB) to Facility Vertical Datum	22.00ft
Horizontal Reference Pt	Slot	Rig on No. 195H SHL (KB) to Mean Sea Level	3332.00ft
Vertical Reference Pt	Rig on No. 195H SHL (KB)	Rig on No. 195H SHL (KB) to Mud Line at Slot (No. 195H SHL)	22.00ft
MD Reference Pt	Rig on No. 195H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	268.83°

NM OIL CONSERVATION

ARTESIA DISTRICT

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Operator	BOPCO, LP	Slot	No. 195H SHL
Area	Eddy County, NM	Well	No. 195H
Field	JRU NAD27	Wellbore	No. 195H AWP
Facility	JRU No. 195H		

WELLPATH DATA (177 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 [ft/100ft]	Comments
0.00*	0.00	96.690	0.00	0.00	0.00	0.00	656623.70	489009.40	0.00	
22.00	0.00	96.690	22.00	0.00	0.00	0.00	656623.70	489009.40	0.00	
100.00	0.670	96.690	100.00	-0.45	-0.05	0.45	656624.15	489009.35	0.86	
200.00	0.630	106.090	199.99	-1.56	-0.27	1.56	656625.26	489009.13	0.11	
300.00	0.390	103.750	299.99	-2.41	-0.51	2.42	656626.12	489008.89	0.24	
400.00	0.380	82.360	399.99	-3.07	-0.54	3.08	656626.78	489008.86	0.14	
500.00	0.160	100.340	499.98	-3.53	-0.52	3.55	656627.25	489008.88	0.23	
540.00	0.170	121.420	539.98	-3.64	-0.57	3.65	656627.35	489008.83	0.15	
732.00	0.500	140.300	731.98	-4.40	-1.36	4.43	656628.13	489008.04	0.18	
982.00	0.300	137.800	981.97	-5.51	-2.68	5.57	656629.27	489006.72	0.08	
1173.00	0.400	192.200	1172.97	-5.68	-3.70	5.76	656629.46	489005.70	0.17	
1363.00	0.400	196.300	1362.97	-5.33	-4.99	5.43	656629.13	489004.41	0.02	
1553.00	0.400	201.200	1552.96	-4.88	-6.24	5.01	656628.71	489003.16	0.02	
1743.00	0.400	210.900	1742.96	-4.28	-7.43	4.43	656628.13	489001.97	0.04	
1934.00	0.300	169.000	1933.95	-4.01	-8.49	4.18	656627.88	489000.91	0.14	
2123.00	0.300	123.900	2122.95	-4.50	-9.26	4.69	656628.39	489000.14	0.12	
2314.00	0.300	208.200	2313.95	-4.66	-9.98	4.87	656628.57	488999.42	0.21	
2504.00	0.200	211.700	2503.95	-4.24	-10.70	4.46	656628.16	488998.70	0.05	
2694.00	0.100	101.400	2693.95	-4.22	-11.01	4.44	656628.14	488998.39	0.13	
2884.00	0.200	130.300	2883.95	-4.63	-11.26	4.86	656628.56	488998.14	0.06	
3074.00	0.900	126.000	3073.94	-6.07	-12.35	6.32	656630.02	488997.05	0.37	
3264.00	1.400	140.600	3263.90	-8.69	-15.02	9.00	656632.70	488994.38	0.30	
3455.00	1.800	151.200	3454.82	-11.53	-19.45	11.93	656635.63	488989.95	0.26	
3644.00	2.300	196.100	3643.71	-11.78	-25.70	12.30	656636.00	488983.70	0.86	
3828.00	4.900	284.500	3827.44	-3.11	-27.28	3.67	656627.37	488982.12	2.91	
3867.00	5.200	304.420	3866.29	-0.07	-25.86	0.60	656624.30	488983.54	4.54	
3962.00	5.600	321.700	3960.87	6.23	-19.79	-5.83	656617.87	488989.61	1.76	
4057.00	3.700	321.900	4055.56	10.87	-13.74	-10.59	656613.11	488995.66	2.00	
4152.00	2.100	318.000	4150.43	13.85	-10.04	-13.65	656610.05	488999.37	1.70	
4247.00	0.500	304.100	4245.40	15.33	-8.51	-15.16	656608.54	489000.89	1.70	
4342.00	0.500	298.900	4340.40	16.03	-8.08	-15.86	656607.84	489001.32	0.05	
4437.00	0.500	303.000	4435.40	16.73	-7.65	-16.57	656607.13	489001.75	0.04	
4627.00	0.700	293.800	4625.39	18.46	-6.73	-18.33	656605.37	489002.67	0.12	
4817.00	0.600	298.000	4815.37	20.39	-5.80	-20.27	656603.43	489003.61	0.06	
5008.00	0.600	297.600	5006.36	22.14	-4.86	-22.04	656601.66	489004.54	0.00	
5198.00	0.400	298.800	5196.36	23.58	-4.08	-23.50	656600.20	489005.32	0.11	
5388.00	0.600	275.600	5386.35	25.14	-3.67	-25.08	656598.63	489005.73	0.15	
5577.00	0.600	10.500	5575.34	25.93	-2.60	-25.88	656597.82	489006.80	0.47	
5767.00	0.600	11.500	5765.33	25.51	-0.64	-25.50	656598.20	489008.76	0.01	
5957.00	0.600	3.300	5955.32	25.21	1.33	-25.24	656598.46	489010.73	0.05	
6147.00	0.400	353.800	6145.32	25.19	2.98	-25.26	656598.44	489012.38	0.11	
6337.00	0.800	93.700	6335.31	23.93	3.55	-24.01	656599.69	489012.95	0.50	
6527.00	0.400	87.500	6525.30	21.94	3.49	-22.02	656601.68	489012.89	0.21	
6718.00	0.200	95.700	6716.29	20.95	3.49	-21.02	656602.68	489012.89	0.11	
6908.00	0.300	113.000	6906.29	20.16	3.26	-20.23	656603.47	489012.66	0.07	



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Field	JRU NAD27	Wellbore	No. 195H AWB
Facility	JRU No.195H		

WELLPATH DATA (177 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
7098.00	0.300	147.800	7096.29	19.45	-2.65	-19.51	656604.19	489012.05	0.09	
7289.00	0.500	171.800	7287.29	19.09	1.40	-19.13	656604.57	489010.80	0.13	
7479.00	0.700	198.400	7477.28	19.38	-0.52	-19.37	656604.33	489008.88	0.18	
7669.00	0.700	218.600	7667.26	20.51	-2.53	-20.47	656603.24	489006.87	0.13	
7858.00	1.100	252.900	7856.24	23.00	-3.97	-22.92	656600.78	489005.43	0.35	
8050.00	2.300	233.900	8048.15	27.93	-6.78	-27.79	656595.91	489002.62	0.68	
8240.00	1.100	274.600	8238.07	32.87	-8.88	-32.69	656591.01	489000.52	0.86	
8430.00	0.700	302.600	8428.05	35.65	-8.11	-35.49	656588.21	489001.29	0.31	
8620.00	1.100	299.700	8618.02	38.18	-6.58	-38.05	656585.65	489002.82	0.21	
8811.00	1.400	270.600	8808.98	42.08	-5.64	-41.98	656581.73	489003.76	0.36	
9001.00	0.900	266.800	8998.94	45.89	-5.70	-45.79	656577.92	489003.70	0.27	
9192.00	1.200	279.300	9189.91	49.36	-5.46	-49.26	656574.45	489003.94	0.20	
9382.00	2.100	298.200	9379.83	54.35	-3.50	-54.29	656569.41	489005.90	0.55	
9572.00	0.800	278.100	9569.77	58.69	-1.67	-58.67	656565.03	489007.73	0.72	
9762.00	0.800	218.900	9759.75	60.86	-2.51	-60.82	656562.89	489006.89	0.42	
9984.00	2.200	222.700	9981.67	64.81	-6.85	-64.68	656559.02	489002.55	0.63	
10115.00	2.200	220.700	10112.57	68.23	-10.60	-68.03	656555.68	488998.80	0.06	
10179.00	2.500	241.100	10176.52	70.28	-12.21	-70.05	656553.66	488997.19	1.38	
10274.00	2.200	253.200	10271.44	73.87	-13.74	-73.61	656550.10	488995.66	0.61	
10338.00	3.400	258.100	10335.36	76.92	-14.48	-76.64	656547.06	488994.92	1.91	
10369.00	5.500	265.400	10366.27	79.31	-14.79	-79.02	656544.68	488994.61	7.00	
10401.00	7.100	270.600	10398.07	82.81	-14.89	-82.53	656541.18	488994.51	5.30	
10433.00	9.000	267.500	10429.76	87.29	-14.98	-87.01	656536.70	488994.42	6.09	
10465.00	11.100	263.900	10461.27	92.87	-15.42	-92.57	656531.14	488993.98	6.85	
10497.00	12.800	260.300	10492.57	99.44	-16.34	-99.13	656524.58	488993.06	5.80	
10528.00	14.800	262.300	10522.67	106.77	-17.45	-106.44	656517.27	488991.95	6.63	
10560.00	17.400	263.400	10553.42	115.60	-18.55	-115.24	656508.47	488990.85	8.18	
10592.00	20.000	264.800	10583.73	125.82	-19.60	-125.45	656498.26	488989.80	8.24	
10624.00	22.500	265.600	10613.55	137.39	-20.56	-137.00	656486.71	488988.84	7.86	
10656.00	24.800	265.300	10642.86	150.21	-21.58	-149.80	656473.91	488987.82	7.20	
10688.00	27.000	267.200	10671.64	164.17	-22.49	-163.74	656459.97	488986.91	7.35	
10720.00	29.400	266.600	10699.84	179.28	-23.31	-178.84	656444.87	488986.09	7.55	
10751.00	32.100	266.100	10726.48	195.11	-24.32	-194.66	656429.05	488985.08	8.75	
10783.00	34.900	267.200	10753.16	212.76	-25.35	-212.29	656411.43	488984.06	8.95	
10815.00	36.900	267.700	10779.08	231.52	-26.18	-231.03	656392.68	488983.22	6.32	
10847.00	39.200	270.300	10804.28	251.24	-26.51	-250.75	656372.97	488982.89	8.76	
10879.00	41.100	269.900	10828.74	271.86	-26.48	-271.38	656352.34	488982.93	5.99	
10911.00	42.800	271.500	10852.54	293.24	-26.21	-292.77	656330.95	488983.19	6.28	
10942.00	44.900	271.500	10874.89	314.69	-25.65	-314.23	656309.49	488983.75	6.77	
10974.00	47.900	270.700	10896.96	337.85	-25.21	-337.40	656286.32	488984.19	9.55	
11006.00	51.800	271.600	10917.59	362.28	-24.71	-361.85	656261.87	488984.69	12.38	
11038.00	55.100	271.100	10936.64	387.96	-24.11	-387.55	656236.18	488985.29	10.39	
11070.00	58.500	270.400	10954.16	414.72	-23.76	-414.32	656209.41	488985.64	10.78	
11102.00	60.600	271.000	10970.38	442.28	-23.42	-441.90	656181.83	488985.98	6.76	
11133.00	61.700	271.200	10985.34	469.42	-22.90	-469.05	656154.68	488986.50	3.59	



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**BAKER
HUGHES**

REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, LP	Slot	No. 195H SHL
Area	Eddy County, NM	Well	No. 195H
Field	JRU NAD27	Wellbore	No. 195H AWP
Facility	JRU No. 195H		

WELLPATH DATA (177 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [ft/100ft]	Comments
11165.00	63.000	270.500	11000.19	497.74	-22.48	-497.39	656126.34	488986.92	4.50	
11197.00	64.500	269.700	11014.34	526.43	-22.43	-526.09	656097.65	488986.97	5.20	
11229.00	66.800	269.900	11027.53	555.58	-22.53	-555.24	656068.50	488986.87	7.21	
11261.00	68.600	269.500	11039.68	585.18	-22.69	-584.84	656038.90	488986.71	5.74	
11293.00	71.600	270.000	11050.57	615.27	-22.82	-614.93	656008.81	488986.58	9.49	
11324.00	74.100	270.200	11059.71	644.88	-22.77	-644.55	655979.19	488986.63	8.09	
11356.00	77.500	269.700	11067.56	675.89	-22.80	-675.56	655948.18	488986.61	10.73	
11388.00	80.100	269.100	11073.77	707.28	-23.12	-706.95	655916.79	488986.28	8.33	
11420.00	82.000	269.500	11078.75	738.88	-23.51	-738.56	655885.19	488985.89	6.06	
11452.00	82.600	269.800	11083.04	770.59	-23.70	-770.27	655853.48	488985.70	2.09	
11484.00	83.500	269.600	11086.91	802.35	-23.87	-802.03	655821.72	488985.53	2.88	
11515.00	84.600	269.600	11090.12	833.18	-24.09	-832.86	655790.89	488985.32	3.55	
11547.00	87.500	270.100	11092.33	865.10	-24.17	-864.78	655758.97	488985.23	9.20	
11579.00	88.600	268.900	11093.42	897.08	-24.45	-896.76	655726.99	488984.95	5.09	
11611.00	90.400	269.700	11093.69	929.07	-24.84	-928.76	655695.00	488984.56	6.16	
11707.00	89.400	271.400	11093.86	1025.02	-23.92	-1024.75	655599.02	488985.48	2.05	
11802.00	91.500	275.800	11093.12	1119.66	-17.96	-1119.53	655504.24	488991.45	5.13	
11898.00	90.800	273.500	11091.19	1215.14	-10.18	-1215.19	655408.59	488999.23	12.50	
11993.00	87.900	271.500	11092.27	1309.93	-6.03	-1310.08	655313.71	489003.37	3.71	
12089.00	89.000	269.600	11094.86	1405.84	-5.11	-1406.03	655217.76	489004.29	2.29	
12184.00	90.000	269.800	11095.69	1500.83	-5.61	-1501.02	655122.77	489003.79	1.07	
12280.00	89.300	266.400	11096.28	1596.80	-8.79	-1596.96	655026.85	489000.61	3.62	
12375.00	91.300	266.700	11095.78	1691.72	-14.51	-1691.78	654932.03	488994.89	2.13	
12470.00	90.300	264.800	11094.45	1786.57	-21.55	-1786.50	654837.31	488987.85	2.26	
12565.00	91.000	264.300	11093.38	1881.30	-30.57	-1881.06	654742.76	488978.83	0.91	
12661.00	89.500	264.700	11092.96	1977.02	-39.77	-1976.62	654647.21	488969.63	1.62	
12756.00	89.300	266.400	11093.95	2071.85	-47.14	-2071.32	654552.51	488962.26	1.80	
12851.00	89.100	265.100	11095.28	2166.71	-54.18	-2166.05	654457.79	488955.22	1.38	
12947.00	90.300	265.400	11095.78	2262.52	-62.13	-2261.72	654362.13	488947.28	1.29	
12974.00	89.900	264.100	11095.74	2289.45	-64.60	-2288.60	654335.24	488944.81	5.04	
13069.00	90.300	264.200	11095.57	2384.13	-74.28	-2383.11	654240.75	488935.12	0.43	
13164.00	90.400	265.800	11094.99	2478.91	-82.56	-2477.74	654146.12	488926.84	1.69	
13260.00	88.600	267.400	11095.83	2574.83	-88.25	-2573.56	654050.30	488921.15	2.51	
13355.00	89.100	268.800	11097.73	2669.80	-91.40	-2668.49	653955.38	488918.00	1.56	
13451.00	88.900	268.900	11099.41	2765.78	-93.33	-2764.46	653859.42	488916.08	0.23	
13546.00	88.900	268.400	11101.23	2860.77	-95.57	-2859.41	653764.47	488913.84	0.53	
13642.00	89.400	269.200	11102.66	2956.75	-97.58	-2955.38	653668.51	488911.83	0.98	
13737.00	90.200	270.600	11102.99	3051.73	-97.74	-3050.37	653573.52	488911.66	1.70	
13832.00	90.100	270.600	11102.74	3146.69	-96.75	-3145.37	653478.53	488912.66	0.11	
13928.00	91.000	269.500	11101.82	3242.66	-96.66	-3241.36	653382.55	488912.74	1.48	
14023.00	90.300	267.500	11100.74	3337.65	-99.15	-3336.32	653287.60	488910.26	2.23	
14119.00	90.200	267.100	11100.32	3433.61	-103.67	-3432.21	653191.71	488905.73	0.43	
14214.00	90.300	267.900	11099.91	3528.58	-107.82	-3527.12	653096.81	488901.59	0.85	
14310.00	90.500	266.900	11099.24	3624.55	-112.17	-3623.02	653000.92	488897.24	1.06	
14405.00	89.500	266.400	11099.24	3719.48	-117.72	-3717.85	652906.09	488891.68	1.18	



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Field	JRU NAD27	Wellbore	No. 195H AWP
Facility	JRU No. 195H		

WELLPATH DATA (177 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
14501.00	88.500	266.800	11100.91	3815.39	-123.42	-3813.67	652810.28	488885.99	1.12	
14596.00	89.100	268.700	11102.90	3910.35	-127.14	-3908.57	652715.39	488882.26	2.10	
14692.00	89.900	269.000	11103.74	4006.34	-129.07	-4004.54	652619.42	488880.34	0.89	
14787.00	90.700	269.000	11103.24	4101.34	-130.73	-4099.53	652524.44	488878.68	0.84	
14883.00	92.000	269.100	11100.98	4197.31	-132.32	-4195.49	652428.49	488877.09	1.36	
14978.00	93.400	270.000	11096.51	4292.20	-133.07	-4290.37	652333.60	488876.34	1.75	
15074.00	92.900	269.500	11091.23	4388.04	-133.48	-4386.23	652237.76	488875.92	0.74	
15169.00	91.300	269.600	11087.75	4482.96	-134.23	-4481.16	652142.83	488875.18	1.69	
15265.00	90.000	269.500	11086.66	4578.95	-134.98	-4577.15	652046.85	488874.43	1.36	
15360.00	89.700	269.000	11086.91	4673.94	-136.23	-4672.14	651951.87	488873.18	0.61	
15456.00	89.800	268.400	11087.33	4769.94	-138.40	-4768.11	651855.90	488871.00	0.63	
15551.00	90.000	269.000	11087.49	4864.94	-140.56	-4863.09	651760.93	488868.85	0.67	
15647.00	90.200	268.600	11087.33	4960.94	-142.57	-4959.06	651664.96	488866.84	0.47	
15742.00	90.300	267.900	11086.91	5055.93	-145.47	-5054.02	651570.01	488863.94	0.74	
15838.00	89.200	268.600	11087.33	5151.93	-148.40	-5149.97	651474.06	488861.01	1.36	
15933.00	88.700	269.100	11089.07	5246.91	-150.31	-5244.94	651379.10	488859.10	0.74	
16029.00	89.400	270.200	11090.66	5342.89	-150.90	-5340.92	651283.13	488858.51	1.36	
16124.00	90.100	271.800	11091.08	5437.81	-149.24	-5435.90	651188.15	488860.17	1.84	
16221.00	90.100	272.400	11090.91	5534.65	-145.68	-5532.83	651091.22	488863.73	0.62	
16316.00	90.100	271.300	11090.74	5629.52	-142.62	-5627.78	650996.28	488866.79	1.16	
16411.00	90.400	270.800	11090.33	5724.45	-140.88	-5722.77	650901.31	488868.53	0.61	
16507.00	90.700	271.200	11089.41	5820.37	-139.20	-5818.75	650805.33	488870.21	0.52	
16602.00	90.900	269.800	11088.08	5915.32	-138.37	-5913.73	650710.35	488871.04	1.49	
16698.00	91.000	269.100	11086.49	6011.30	-139.29	-6009.71	650614.38	488870.12	0.74	
16793.00	90.300	268.600	11085.41	6106.30	-141.20	-6104.69	650519.41	488868.21	0.91	
16889.00	88.700	267.200	11086.25	6202.27	-144.72	-6200.61	650423.49	488864.69	2.21	
16984.00	88.300	267.700	11088.73	6297.21	-148.94	-6295.49	650328.62	488860.47	0.67	
17080.00	89.500	268.900	11090.58	6393.19	-151.79	-6391.42	650232.69	488857.62	1.77	
17175.00	89.600	269.300	11091.32	6488.18	-153.28	-6486.41	650137.71	488856.13	0.43	
17270.00	90.200	269.400	11091.49	6583.18	-154.36	-6581.40	650042.73	488855.05	0.64	
17366.00	91.000	271.200	11090.48	6679.14	-153.86	-6677.39	649946.74	488855.55	2.05	
17461.00	91.000	270.300	11088.83	6774.07	-152.61	-6772.37	649851.77	488856.80	0.95	
17557.00	90.700	269.700	11087.40	6870.04	-152.61	-6868.35	649755.79	488856.80	0.70	
17652.00	89.500	268.600	11087.24	6965.03	-154.02	-6963.34	649660.81	488855.39	1.71	
17747.00	88.600	268.800	11088.81	7060.02	-156.18	-7058.30	649565.86	488853.23	0.97	
17843.00	87.900	270.000	11091.74	7155.97	-157.18	-7154.25	649469.91	488852.23	1.45	
17938.00	88.800	270.200	11094.48	7250.90	-157.02	-7249.21	649374.96	488852.39	0.97	
18034.00	90.000	270.400	11095.48	7346.87	-156.51	-7345.20	649278.98	488852.90	1.27	
18129.00	89.600	270.100	11095.82	7441.84	-156.10	-7440.20	649183.98	488853.31	0.53	
18225.00	87.700	269.200	11098.08	7537.79	-156.69	-7536.17	649088.02	488852.72	2.19	
18301.00	87.800	269.000	11101.06	7613.73	-157.88	-7612.10	649012.10	488851.53	0.29	
18378.00	87.800	269.000	11104.02	7690.68	-159.22	-7689.03	648935.17	488850.19	0.00	

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No. 195H PBHL (Rev-1)		11095.00	-156.91	-7689.90	648934.30	488852.50	32°20'34.978"N	103°51'03.925"W	point

WELLPATH COMPOSITION - Ref Wellbore: No. 195H AWP - Final

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
22.00	540.00	Generic gyro - northseeking (Standard)	Surface Gyros <100-540>	No. 195H AWP
540.00	18301.00	NaviTrak (Standard)	BHA NaviGamma <732-18301>	No. 195H AWP
18301.00	18378.00	Blind Drilling (std)	Projection to bit	No. 195H AWP