



Actual Wellpath Report

SARCHET 37C-20HZ AWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#23 SARCHET 37C-20HZ (350'FNL & 2336'FEL, SEC.20)
Area	COLORADO	Well	SARCHET 37C-20HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	SARCHET 37C-20HZ AWB <12969>
Facility	SEC.20-T2N-R65W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / UTM Zone 13 North, US feet	Software System	WellArchitect® 4.0.0
North Reference	True	User	Amarcar
Scale	0.999609	Report Generated	23/Sep/2015 at 07:59
Convergence at slot	0.20° East	Database/Source file	KERR MCGEE UTM/SARCHET_37C-20HZ_AWB__12969_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	4510.44	1799.18	1727968.20	14574400.89	40°07'49.724"N	104°41'12.394"W
Facility Reference Pt			1726185.29	14569886.05	40°07'05.152"N	104°41'35.557"W
Field Reference Pt			1698235.31	14552047.82	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	XTREME 24 (16'KB) (RKB) to Facility Vertical Datum	4930.00ft
Horizontal Reference Pt	Slot	XTREME 24 (16'KB) (RKB) to Mean Sea Level	4930.00ft
Vertical Reference Pt	XTREME 24 (16'KB) (RKB)	XTREME 24 (16'KB) (RKB) to Mud Line at Slot (SLOT#23 SARCHET 37C-20HZ (350'FNL & 2336'FEL, SEC.20))	4930.00ft
MD Reference Pt	XTREME 24 (16'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	180.62°

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	310.230	0.00	0.00	0.00	0.00	40°07'49.724"N	104°41'12.394"W	0.00	
16.00	0.000	310.230	16.00	0.00	0.00	0.00	40°07'49.724"N	104°41'12.394"W	0.00	
125.00	0.480	310.230	125.00	-0.29	0.29	-0.35	40°07'49.727"N	104°41'12.398"W	0.44	BEGIN MWD SURVEYS
214.00	0.800	351.900	213.99	-1.14	1.15	-0.72	40°07'49.735"N	104°41'12.403"W	0.61	
304.00	1.970	34.110	303.97	-3.05	3.05	0.06	40°07'49.754"N	104°41'12.393"W	1.64	
427.00	3.640	47.350	426.82	-7.49	7.45	4.12	40°07'49.798"N	104°41'12.341"W	1.45	
517.00	5.300	48.970	516.54	-12.21	12.11	9.35	40°07'49.844"N	104°41'12.274"W	1.85	
607.00	6.340	51.300	606.08	-18.12	17.95	16.37	40°07'49.901"N	104°41'12.183"W	1.18	
698.00	7.580	45.080	696.40	-25.59	25.33	24.54	40°07'49.974"N	104°41'12.078"W	1.59	
788.00	8.290	45.240	785.54	-34.45	34.09	33.35	40°07'50.061"N	104°41'11.965"W	0.79	
878.00	8.710	43.250	874.55	-44.08	43.62	42.63	40°07'50.155"N	104°41'11.845"W	0.57	
968.00	9.010	39.980	963.48	-54.54	53.99	51.82	40°07'50.257"N	104°41'11.727"W	0.65	
1058.00	9.870	42.170	1052.26	-65.76	65.10	61.53	40°07'50.367"N	104°41'11.602"W	1.04	
1148.00	11.550	42.640	1140.69	-78.23	77.45	72.81	40°07'50.489"N	104°41'11.457"W	1.87	
1238.00	12.710	39.770	1228.68	-92.60	91.69	85.25	40°07'50.630"N	104°41'11.296"W	1.45	
1328.00	14.050	41.040	1316.23	-108.59	107.54	98.76	40°07'50.787"N	104°41'11.123"W	1.52	
1418.00	15.300	40.520	1403.30	-126.02	124.81	113.65	40°07'50.957"N	104°41'10.931"W	1.40	
1508.00	16.810	41.490	1489.78	-144.97	143.58	129.98	40°07'51.143"N	104°41'10.721"W	1.70	
1598.00	17.960	44.190	1575.67	-164.86	163.28	148.28	40°07'51.338"N	104°41'10.485"W	1.56	
1688.00	18.430	43.720	1661.17	-185.30	183.51	167.78	40°07'51.537"N	104°41'10.234"W	0.55	
1778.00	18.970	47.260	1746.42	-205.73	203.72	188.36	40°07'51.737"N	104°41'09.969"W	1.40	TIE-ONTO MWD SURVEYS
1952.00	18.450	50.690	1911.23	-242.82	240.36	230.43	40°07'52.099"N	104°41'09.427"W	0.70	BEGIN BHI MWD+IFR SURVEYS
2047.00	19.520	50.610	2001.06	-262.67	259.96	254.33	40°07'52.293"N	104°41'09.120"W	1.13	
2142.00	20.360	48.860	2090.37	-283.88	280.90	279.05	40°07'52.500"N	104°41'08.801"W	1.08	
2236.00	19.690	47.620	2178.69	-305.57	302.33	303.06	40°07'52.712"N	104°41'08.492"W	0.84	
2331.00	20.560	46.430	2267.89	-328.11	324.62	326.97	40°07'52.932"N	104°41'08.185"W	1.01	
2426.00	20.870	47.640	2356.74	-351.27	347.52	351.56	40°07'53.158"N	104°41'07.868"W	0.56	
2521.00	21.250	43.970	2445.40	-375.33	371.31	376.02	40°07'53.393"N	104°41'07.553"W	1.44	
2615.00	20.920	42.550	2533.11	-400.20	395.94	399.19	40°07'53.637"N	104°41'07.255"W	0.65	
2710.00	20.320	37.170	2622.03	-426.07	421.58	420.63	40°07'53.890"N	104°41'06.979"W	2.09	
2804.00	19.280	38.220	2710.47	-451.47	446.78	440.09	40°07'54.139"N	104°41'06.728"W	1.17	
2899.00	19.650	37.800	2800.04	-476.62	471.72	459.58	40°07'54.386"N	104°41'06.477"W	0.42	
2994.00	21.030	42.280	2889.12	-502.09	496.95	480.84	40°07'54.635"N	104°41'06.203"W	2.19	
3088.00	21.070	43.450	2976.85	-527.08	521.70	503.81	40°07'54.879"N	104°41'05.908"W	0.45	
3183.00	20.970	44.460	3065.53	-551.86	546.23	527.46	40°07'55.122"N	104°41'05.603"W	0.40	
3278.00	19.450	43.350	3154.68	-575.74	569.87	550.23	40°07'55.355"N	104°41'05.310"W	1.65	
3312.00†	19.457	43.010	3186.74	-584.08	578.12	557.98	40°07'55.437"N	104°41'05.210"W	0.33	ENTERED LANDBOX
3372.00	19.470	42.410	3243.31	-598.91	592.81	571.54	40°07'55.582"N	104°41'05.036"W	0.33	
3467.00	19.760	42.370	3332.80	-622.70	616.37	593.04	40°07'55.815"N	104°41'04.759"W	0.31	
3562.00	19.890	42.130	3422.16	-646.78	640.22	614.70	40°07'56.051"N	104°41'04.480"W	0.16	
3657.00	19.020	46.310	3511.74	-669.69	662.90	636.73	40°07'56.275"N	104°41'04.196"W	1.73	
3751.00	18.300	42.320	3600.81	-691.41	684.39	657.75	40°07'56.487"N	104°41'03.926"W	1.56	
3846.00	19.020	44.010	3690.81	-713.79	706.55	678.55	40°07'56.706"N	104°41'03.658"W	0.95	
3940.00	19.710	40.590	3779.50	-737.07	729.61	699.50	40°07'56.934"N	104°41'03.388"W	1.41	
4035.00	20.320	39.660	3868.76	-762.16	754.47	720.45	40°07'57.180"N	104°41'03.118"W	0.72	

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Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	SARCHET 37C-20HZ AWP <12969>
Facility	SEC.20-T2N-R65W		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4130.00	20.830	40.640	3957.70	-787.90	779.99	741.98	40°07'57.432"N	104°41'02.841"W	0.65	
4225.00	21.730	41.900	4046.22	-814.05	805.89	764.73	40°07'57.688"N	104°41'02.548"W	1.06	
4320.00	21.440	42.180	4134.56	-840.26	831.85	788.13	40°07'57.944"N	104°41'02.247"W	0.32	
4414.00	20.600	40.020	4222.30	-865.89	857.24	810.30	40°07'58.195"N	104°41'01.962"W	1.22	
4509.00	18.130	42.840	4311.92	-889.76	880.89	831.10	40°07'58.429"N	104°41'01.694"W	2.78	
4603.00	14.310	47.210	4402.17	-908.58	899.51	849.58	40°07'58.613"N	104°41'01.456"W	4.26	
4698.00	13.560	44.080	4494.37	-924.73	915.48	865.94	40°07'58.771"N	104°41'01.245"W	1.12	
4792.00	12.410	48.370	4585.97	-939.52	930.11	881.16	40°07'58.915"N	104°41'01.049"W	1.60	
4887.00	9.250	56.150	4679.27	-950.70	941.15	895.13	40°07'59.024"N	104°41'00.869"W	3.66	
4982.00	7.150	55.390	4773.30	-958.44	948.76	906.34	40°07'59.100"N	104°41'00.725"W	2.21	
5077.00	4.320	47.930	4867.81	-964.27	954.52	913.87	40°07'59.156"N	104°41'00.628"W	3.07	
5171.00	2.510	69.630	4961.65	-967.41	957.61	918.42	40°07'59.187"N	104°41'00.570"W	2.33	
5265.00	1.390	47.270	5055.59	-968.93	959.10	921.19	40°07'59.202"N	104°41'00.534"W	1.42	
5360.00	1.090	26.690	5150.57	-970.53	960.69	922.44	40°07'59.217"N	104°41'00.518"W	0.56	
5455.00	0.960	16.080	5245.55	-972.11	962.26	923.07	40°07'59.233"N	104°41'00.510"W	0.24	
5644.00	1.940	331.340	5434.50	-976.43	966.59	921.97	40°07'59.276"N	104°41'00.524"W	0.76	
5739.00	1.270	269.000	5529.46	-977.80	967.98	920.15	40°07'59.290"N	104°41'00.547"W	1.85	
5834.00	1.260	284.250	5624.44	-978.02	968.22	918.09	40°07'59.292"N	104°41'00.574"W	0.35	
5929.00	1.080	300.200	5719.42	-978.71	968.93	916.30	40°07'59.299"N	104°41'00.597"W	0.39	
6023.00	1.320	122.550	5813.41	-978.57	968.79	916.45	40°07'59.298"N	104°41'00.595"W	2.55	
6118.00	1.170	127.790	5908.39	-977.41	967.61	918.14	40°07'59.286"N	104°41'00.573"W	0.20	
6212.00	1.150	153.580	6002.37	-975.99	966.17	919.31	40°07'59.272"N	104°41'00.558"W	0.55	
6307.00	0.590	330.870	6097.37	-975.56	965.75	919.50	40°07'59.267"N	104°41'00.556"W	1.83	
6402.00	0.650	302.870	6192.36	-976.27	966.47	918.81	40°07'59.275"N	104°41'00.565"W	0.32	
6497.00	0.840	270.990	6287.36	-976.57	966.77	917.66	40°07'59.278"N	104°41'00.579"W	0.47	
6592.00	1.190	249.130	6382.34	-976.21	966.43	916.04	40°07'59.274"N	104°41'00.600"W	0.54	
6686.00	0.960	238.380	6476.32	-975.43	965.67	914.46	40°07'59.267"N	104°41'00.621"W	0.32	
6781.00	1.030	226.760	6571.31	-974.41	964.67	913.16	40°07'59.257"N	104°41'00.637"W	0.22	
6876.00	11.030	185.380	6665.68	-964.74	955.01	911.68	40°07'59.161"N	104°41'00.656"W	10.82	
6970.00	16.300	184.390	6756.99	-942.60	932.89	909.83	40°07'58.943"N	104°41'00.680"W	5.61	
7065.00	25.430	183.040	6845.66	-908.85	899.16	907.72	40°07'58.609"N	104°41'00.707"W	9.62	
7145.00†	26.461	179.580	6917.60	-873.86	864.18	906.94	40°07'58.264"N	104°41'00.717"W	2.29	SSPG
7159.00	26.650	179.000	6930.13	-867.61	857.92	907.02	40°07'58.202"N	104°41'00.716"W	2.29	
7217.00†	32.786	179.135	6980.47	-838.88	829.19	907.48	40°07'57.918"N	104°41'00.711"W	10.58	NBRR
7254.00	36.700	179.200	7010.87	-817.80	808.11	907.79	40°07'57.710"N	104°41'00.707"W	10.58	
7280.00†	38.238	179.755	7031.51	-801.99	792.29	907.93	40°07'57.553"N	104°41'00.705"W	6.06	N470_B_CK
7349.00	42.330	181.060	7084.13	-757.39	747.69	907.59	40°07'57.113"N	104°41'00.709"W	6.06	
7378.00†	45.673	181.084	7104.99	-737.25	727.55	907.22	40°07'56.914"N	104°41'00.714"W	11.53	N700_C_CK
7444.00	53.280	181.130	7147.84	-687.12	677.43	906.25	40°07'56.418"N	104°41'00.727"W	11.53	
7539.00	59.920	181.910	7200.11	-607.86	598.19	904.12	40°07'55.635"N	104°41'00.754"W	7.02	
7632.00†	67.617	181.781	7241.18	-524.52	514.87	901.44	40°07'54.812"N	104°41'00.788"W	8.28	FRHS
7633.00	67.700	181.780	7241.56	-523.60	513.95	901.41	40°07'54.803"N	104°41'00.789"W	8.28	
7701.00†	74.500	181.795	7263.58	-459.31	449.68	899.41	40°07'54.168"N	104°41'00.815"W	10.00	CDLL
7728.00	77.200	181.800	7270.18	-433.14	423.52	898.59	40°07'53.909"N	104°41'00.825"W	10.00	
7823.00	89.630	178.620	7281.05	-338.97	329.34	898.27	40°07'52.978"N	104°41'00.829"W	13.50	LANDING POINT

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7917.00	90.830	178.420	7280.68	-245.03	235.38	900.70	40°07'52.050"N	104°41'00.798"W	1.29	
8012.00	90.950	179.840	7279.20	-150.08	140.40	902.14	40°07'51.111"N	104°41'00.780"W	1.50	
8107.00	91.290	179.530	7277.34	-55.11	45.42	902.67	40°07'50.173"N	104°41'00.773"W	0.48	
8201.00	89.720	180.040	7276.52	38.87	-48.57	903.02	40°07'49.244"N	104°41'00.768"W	1.76	
8296.00	89.910	179.240	7276.82	133.86	-143.57	903.62	40°07'48.305"N	104°41'00.761"W	0.87	
8391.00	90.150	180.850	7276.77	228.85	-238.56	903.54	40°07'47.366"N	104°41'00.762"W	1.71	
8485.00	90.980	180.630	7275.85	322.85	-332.55	902.33	40°07'46.438"N	104°41'00.777"W	0.91	
8580.00	91.980	180.610	7273.39	417.81	-427.51	901.30	40°07'45.499"N	104°41'00.791"W	1.05	
8675.00	90.490	180.670	7271.34	512.79	-522.48	900.24	40°07'44.561"N	104°41'00.804"W	1.57	
8770.00	89.140	180.640	7271.65	607.79	-617.47	899.15	40°07'43.622"N	104°41'00.818"W	1.42	
8865.00	90.280	181.040	7272.13	702.78	-712.46	897.76	40°07'42.683"N	104°41'00.836"W	1.27	
8960.00	88.860	181.630	7272.84	797.77	-807.43	895.55	40°07'41.745"N	104°41'00.865"W	1.62	
9055.00	89.450	180.610	7274.25	892.75	-902.40	893.69	40°07'40.806"N	104°41'00.889"W	1.24	
9149.00	90.860	181.770	7273.99	986.74	-996.37	891.74	40°07'39.878"N	104°41'00.914"W	1.94	
9244.00	89.350	181.160	7273.82	1081.73	-1091.34	889.31	40°07'38.939"N	104°41'00.945"W	1.71	
9339.00	90.340	181.170	7274.07	1176.72	-1186.32	887.38	40°07'38.001"N	104°41'00.970"W	1.04	
9433.00	89.260	181.180	7274.40	1270.72	-1280.30	885.45	40°07'37.072"N	104°41'00.995"W	1.15	
9528.00	89.660	180.900	7275.30	1365.71	-1375.28	883.73	40°07'36.133"N	104°41'01.017"W	0.51	
9623.00	90.460	179.940	7275.20	1460.71	-1470.27	883.03	40°07'35.194"N	104°41'01.026"W	1.32	
9718.00	91.510	179.530	7273.57	1555.68	-1565.25	883.47	40°07'34.256"N	104°41'01.021"W	1.19	
9812.00	90.280	180.330	7272.10	1649.66	-1659.24	883.58	40°07'33.327"N	104°41'01.019"W	1.56	
9907.00	89.110	181.460	7272.60	1744.65	-1754.22	882.10	40°07'32.388"N	104°41'01.038"W	1.71	
10002.00	90.180	181.270	7273.19	1839.64	-1849.19	879.84	40°07'31.450"N	104°41'01.068"W	1.14	
10096.00	91.110	180.480	7272.13	1933.63	-1943.18	878.40	40°07'30.521"N	104°41'01.086"W	1.30	
10191.00	89.630	181.220	7271.52	2028.63	-2038.16	876.99	40°07'29.583"N	104°41'01.104"W	1.74	
10286.00	89.850	180.080	7271.95	2123.63	-2133.15	875.91	40°07'28.644"N	104°41'01.118"W	1.22	
10380.00	90.090	178.750	7272.00	2217.60	-2227.14	876.87	40°07'27.715"N	104°41'01.106"W	1.44	
10475.00	89.450	175.910	7272.38	2312.44	-2322.03	881.30	40°07'26.777"N	104°41'01.049"W	3.06	
10569.00	89.940	176.920	7272.88	2406.18	-2415.84	887.18	40°07'25.850"N	104°41'00.973"W	1.19	
10664.00	87.750	177.590	7274.80	2500.99	-2510.71	891.73	40°07'24.913"N	104°41'00.915"W	2.41	
10759.00	89.070	178.910	7277.43	2595.87	-2605.62	894.62	40°07'23.975"N	104°41'00.878"W	1.96	
10853.00	90.430	181.150	7277.84	2689.86	-2699.61	894.58	40°07'23.046"N	104°41'00.878"W	2.79	
10948.00	90.650	180.510	7276.95	2784.85	-2794.60	893.20	40°07'22.107"N	104°41'00.896"W	0.71	
11043.00	90.950	179.900	7275.62	2879.84	-2889.59	892.86	40°07'21.169"N	104°41'00.900"W	0.72	
11137.00	90.370	180.970	7274.54	2973.83	-2983.58	892.15	40°07'20.240"N	104°41'00.910"W	1.29	
11232.00	88.710	179.100	7275.30	3068.81	-3078.57	892.09	40°07'19.301"N	104°41'00.911"W	2.63	
11327.00	89.010	179.780	7277.19	3163.78	-3173.54	893.02	40°07'18.363"N	104°41'00.899"W	0.78	
11421.00	89.350	181.460	7278.54	3257.76	-3267.52	892.00	40°07'17.434"N	104°41'00.912"W	1.82	
11516.00	89.940	181.060	7279.13	3352.75	-3362.50	889.91	40°07'16.495"N	104°41'00.939"W	0.75	
11611.00	90.620	180.710	7278.66	3447.75	-3457.49	888.44	40°07'15.557"N	104°41'00.958"W	0.81	
11705.00	90.860	181.820	7277.45	3541.74	-3551.45	886.37	40°07'14.628"N	104°41'00.984"W	1.21	
11800.00	89.970	182.200	7276.76	3636.70	-3646.39	883.04	40°07'13.690"N	104°41'01.027"W	1.02	
11895.00	89.600	182.920	7277.12	3731.65	-3741.30	878.79	40°07'12.752"N	104°41'01.082"W	0.85	
11989.00	90.150	182.820	7277.32	3825.57	-3835.18	874.09	40°07'11.824"N	104°41'01.143"W	0.59	
12084.00	89.170	181.490	7277.88	3920.53	-3930.11	870.51	40°07'10.886"N	104°41'01.189"W	1.74	

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#23 SARCHET 37C-20HZ (350°FNL & 2336°FEL, SEC.20)
Area	COLORADO	Well	SARCHET 37C-20HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	SARCHET 37C-20HZ AWB <12969>
Facility	SEC.20-T2N-R65W		

WELLPATH DATA (145 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12179.00	89.850	180.790	7278.70	4015.53	-4025.08	868.62	40°07'09.948"N	104°41'01.213"W	1.03	
12274.00	90.460	180.810	7278.44	4110.53	-4120.07	867.30	40°07'09.009"N	104°41'01.230"W	0.64	
12368.00	91.420	180.010	7276.90	4204.51	-4214.05	866.62	40°07'08.080"N	104°41'01.239"W	1.33	
12463.00	89.880	181.080	7275.82	4299.50	-4309.04	865.72	40°07'07.141"N	104°41'01.250"W	1.97	
12558.00	90.650	180.710	7275.38	4394.50	-4404.03	864.24	40°07'06.203"N	104°41'01.270"W	0.90	
12653.00	88.590	181.410	7276.01	4489.49	-4499.00	862.48	40°07'05.264"N	104°41'01.292"W	2.29	
12748.00	89.230	180.980	7277.82	4584.46	-4593.96	860.50	40°07'04.326"N	104°41'01.318"W	0.81	
12842.00	89.850	180.740	7278.57	4678.46	-4687.95	859.09	40°07'03.397"N	104°41'01.336"W	0.71	
12918.00	90.650	180.270	7278.24	4754.46	-4763.95	858.42	40°07'02.646"N	104°41'01.345"W	1.22	LAST BHI MWD+IFR SURVEYS
12969.00	90.650	180.270	7277.66	4805.45	-4814.94	858.18	40°07'02.142"N	104°41'01.348"W	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS - Ref Wellbore: SARCHET 37C-20HZ AWB <12969> Ref Wellpath: SARCHET 37C-20HZ AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	16.00	1882.00	1866.00	16.00	1844.87	0.00	0.00	226.04	213.38
9.625in Casing Surface	16.00	1872.00	1856.00	16.00	1835.40	0.00	0.00	223.95	210.96
7.875in Open Hole	1882.00	12969.00	11087.00	1844.87	7277.66	226.04	213.38	-4814.94	858.18

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.20-T2N-R65W SECTION LINES	4930.00	-66.26	-60.93	1727907.53	14574334.44	40°07'49.069"N	104°41'13.178"W	polygon
SARCHET 37C-20HZ BHL ON PLAT REV-1 (180°FSL & 1489°FEL, SEC.20)	7271.00	-4815.56	853.03	1728837.85	14569590.26	40°07'02.136"N	104°41'01.414"W	point
SARCHET 37C-20HZ LANDBOX	7271.00	0.04	0.03	1727968.23	14574400.93	40°07'49.724"N	104°41'12.394"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: SARCHET 37C-20HZ AWB <12969> Ref Wellpath: SARCHET 37C-20HZ AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	1778.00	Custom APC_ISCWSA REV 2 MWD	SDI MWD SURVEYS 13.5" <125-1778>	SARCHET 37C-20HZ AWB <12969>
1778.00	12918.00	Custom APC_ISCWSA REV 2 MWD+IFR1+SC (approximation)	BHI MWD+IFR SURVEYS 7.875" <1952-12918>	SARCHET 37C-20HZ AWB <12969>
12918.00	12969.00	Blind Drilling (std)	Projection to bit	SARCHET 37C-20HZ AWB <12969>

Actual Wellpath Report

SARCHET 37C-20HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#23 SARCHET 37C-20HZ (350'FNL & 2336'FEL, SEC.20)
Area	COLORADO	Well	SARCHET 37C-20HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	SARCHET 37C-20HZ AWB <12969>
Facility	SEC.20-T2N-R65W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
125.00	0.480	310.230	125.00	BEGIN MWD SURVEYS
1778.00	18.970	47.260	1746.42	TIE-ONTO MWD SURVEYS
1952.00	18.450	50.690	1911.23	BEGIN BHI MWD+IFR SURVEYS
3312.00	19.457	43.010	3186.74	ENTERED LANDBOX
7145.00	26.461	179.580	6917.60	SSPG
7217.00	32.786	179.135	6980.47	NBRR
7280.00	38.238	179.755	7031.51	N470_B_CK
7378.00	45.673	181.084	7104.99	N700_C_CK
7632.00	67.617	181.781	7241.18	FRHS
7701.00	74.500	181.795	7263.58	CDLL
7823.00	89.630	178.620	7281.05	LANDING POINT
12918.00	90.650	180.270	7278.24	LAST BHI MWD+IFR SURVEYS
12969.00	90.650	180.270	7277.66	PROJECTION TO BIT