

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#16 REYNOLDS CATTLE 6N-19HZ (2101'FNL & 338'FEL, SEC.23)
Area	COLORADO	Well	REYNOLDS CATTLE 6N-19HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REYNOLDS CATTLE 6N-19HZ AWB
Facility	SEC.23-T3N-R68W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.0.0
North Reference	True	User	Robiale01
Scale	0.999957	Report Generated	23/Jul/2014 at 11:49
Convergence at slot	n/a	Database/Source file	WellArchitectDB/REYNOLDS_CATTLE_6N-19HZ_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-1857.06	2849.85	3150251.71	1320949.30	40°12'47.347"N	104°57'43.186"W
Facility Reference Pt			3147390.98	1322789.28	40°13'05.700"N	104°58'19.920"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM

Calculation method	Minimum curvature	XTREME 24 (16'RKB) (RKB) to Facility Vertical Datum	4972.00ft
Horizontal Reference Pt	Slot	XTREME 24 (16'RKB) (RKB) to Mean Sea Level	4972.00ft
Vertical Reference Pt	XTREME 24 (16'RKB) (RKB)	XTREME 24 (16'RKB) (RKB) to Mud Line at Slot (SLOT#16 REYNOLDS CATTLE 6N-19HZ (2101'FNL & 338'FEL, SEC.23))	4972.00ft
MD Reference Pt	XTREME 24 (16'RKB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	91.31°

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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	273.440	0.00	0.00	0.00	0.00	40°12'47.347"N	104°57'43.186"W	0.00	
16.00	0.000	273.440	16.00	0.00	0.00	0.00	40°12'47.347"N	104°57'43.186"W	0.00	TIE ON
116.00	0.770	273.440	116.00	-0.67	0.04	-0.67	40°12'47.347"N	104°57'43.195"W	0.77	BEGIN GYRO SURVEYS
216.00	0.410	242.640	215.99	-1.66	-0.08	-1.66	40°12'47.346"N	104°57'43.207"W	0.47	
316.00	0.170	248.910	315.99	-2.11	-0.30	-2.12	40°12'47.344"N	104°57'43.213"W	0.24	
416.00	0.280	19.810	415.99	-2.17	-0.13	-2.17	40°12'47.346"N	104°57'43.214"W	0.41	
516.00	0.600	333.320	515.99	-2.34	0.57	-2.32	40°12'47.353"N	104°57'43.216"W	0.46	
616.00	0.750	311.810	615.98	-3.08	1.48	-3.05	40°12'47.362"N	104°57'43.225"W	0.29	
716.00	0.710	278.240	715.97	-4.19	2.00	-4.15	40°12'47.367"N	104°57'43.239"W	0.42	
816.00	0.500	258.630	815.97	-5.23	2.00	-5.19	40°12'47.367"N	104°57'43.253"W	0.29	
916.00	0.180	206.650	915.97	-5.73	1.78	-5.69	40°12'47.365"N	104°57'43.259"W	0.41	
1016.00	0.250	353.900	1015.97	-5.82	1.85	-5.78	40°12'47.365"N	104°57'43.261"W	0.41	
1116.00	0.550	316.300	1115.96	-6.19	2.42	-6.13	40°12'47.371"N	104°57'43.265"W	0.38	
1216.00	0.870	298.590	1215.96	-7.20	3.13	-7.13	40°12'47.378"N	104°57'43.278"W	0.38	
1266.00	0.900	289.060	1265.95	-7.91	3.44	-7.84	40°12'47.381"N	104°57'43.287"W	0.30	TIE ONTO GYRO SURVEYS
1405.00	0.620	278.430	1404.94	-9.70	3.91	-9.61	40°12'47.386"N	104°57'43.310"W	0.22	BEGIN BHI MWD+IFR SURVEYS
1499.00	0.680	292.740	1498.93	-10.72	4.20	-10.63	40°12'47.388"N	104°57'43.323"W	0.18	
1593.00	0.900	289.180	1592.92	-11.95	4.65	-11.84	40°12'47.393"N	104°57'43.339"W	0.24	
1688.00	0.930	36.450	1687.91	-12.21	5.52	-12.09	40°12'47.402"N	104°57'43.342"W	1.55	
1784.00	2.620	55.560	1783.87	-9.98	7.39	-9.82	40°12'47.420"N	104°57'43.313"W	1.84	
1876.00	3.870	69.040	1875.72	-5.40	9.69	-5.18	40°12'47.443"N	104°57'43.253"W	1.58	
1973.00	5.900	65.370	1972.36	2.11	12.94	2.41	40°12'47.475"N	104°57'43.155"W	2.12	
2065.00	7.180	61.820	2063.76	11.37	17.62	11.77	40°12'47.521"N	104°57'43.034"W	1.46	
2159.00	8.610	53.690	2156.87	22.06	24.56	22.62	40°12'47.590"N	104°57'42.894"W	1.93	
2251.00	10.100	55.670	2247.64	34.07	33.19	34.83	40°12'47.675"N	104°57'42.737"W	1.66	
2344.00	10.750	55.460	2339.11	47.73	42.71	48.71	40°12'47.769"N	104°57'42.558"W	0.70	
2437.00	9.880	60.300	2430.61	61.60	51.58	62.79	40°12'47.857"N	104°57'42.377"W	1.32	
2531.00	10.080	68.530	2523.19	76.10	58.59	77.45	40°12'47.926"N	104°57'42.188"W	1.53	
2624.00	10.410	65.120	2614.71	91.14	65.10	92.65	40°12'47.990"N	104°57'41.992"W	0.74	
2717.00	10.700	63.090	2706.13	106.29	72.54	107.97	40°12'48.064"N	104°57'41.794"W	0.51	
2810.00	9.800	61.610	2797.65	120.77	80.21	122.63	40°12'48.140"N	104°57'41.605"W	1.01	
2904.00	9.610	61.140	2890.30	134.50	87.80	136.54	40°12'48.215"N	104°57'41.426"W	0.22	
2996.00	9.840	61.880	2980.98	147.99	95.22	150.20	40°12'48.288"N	104°57'41.250"W	0.28	
3088.00	9.190	64.590	3071.72	161.40	102.07	163.77	40°12'48.356"N	104°57'41.075"W	0.86	
3180.00	9.200	59.640	3162.53	174.22	108.94	176.75	40°12'48.424"N	104°57'40.908"W	0.86	
3272.00	8.730	63.760	3253.41	186.67	115.75	189.36	40°12'48.491"N	104°57'40.745"W	0.86	
3364.00	7.320	61.180	3344.51	197.93	121.66	200.75	40°12'48.549"N	104°57'40.598"W	1.58	
3456.00	6.480	58.690	3435.84	207.37	127.18	210.33	40°12'48.604"N	104°57'40.475"W	0.97	
3548.00	5.600	55.840	3527.33	215.40	132.40	218.48	40°12'48.655"N	104°57'40.370"W	1.01	
3640.00	3.180	49.870	3619.05	220.97	136.57	224.14	40°12'48.697"N	104°57'40.297"W	2.67	
3731.00	2.840	47.650	3709.93	224.50	139.71	227.74	40°12'48.728"N	104°57'40.250"W	0.39	
3823.00	1.650	54.920	3801.86	227.21	142.01	230.51	40°12'48.750"N	104°57'40.215"W	1.33	
3915.00	0.490	357.150	3893.84	228.25	143.16	231.57	40°12'48.762"N	104°57'40.201"W	1.58	
4007.00	0.590	16.620	3985.84	228.35	144.01	231.69	40°12'48.770"N	104°57'40.200"W	0.23	
4191.00	1.070	316.820	4169.82	227.39	146.17	230.78	40°12'48.791"N	104°57'40.211"W	0.50	

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4375.00	1.150	312.030	4353.78	224.79	148.66	228.23	40°12'48.816"N	104°57'40.244"W	0.07	
4467.00	2.010	293.000	4445.75	222.59	149.91	226.06	40°12'48.828"N	104°57'40.272"W	1.08	
4559.00	0.830	335.750	4537.72	220.80	151.15	224.30	40°12'48.841"N	104°57'40.295"W	1.64	
4740.00	0.760	345.420	4718.70	219.91	153.50	223.46	40°12'48.864"N	104°57'40.306"W	0.08	
4825.00	0.620	349.390	4803.70	219.66	154.50	223.24	40°12'48.874"N	104°57'40.308"W	0.17	
4996.00	0.590	338.110	4974.69	219.12	156.23	222.74	40°12'48.891"N	104°57'40.315"W	0.07	
5166.00	0.400	324.710	5144.68	218.42	157.52	222.07	40°12'48.904"N	104°57'40.324"W	0.13	
5336.00	0.280	317.930	5314.68	217.79	158.32	221.45	40°12'48.911"N	104°57'40.332"W	0.07	
5506.00	0.420	330.880	5484.68	217.18	159.17	220.87	40°12'48.920"N	104°57'40.339"W	0.09	
5676.00	0.940	86.210	5654.67	218.26	159.81	221.96	40°12'48.926"N	104°57'40.325"W	0.70	
5846.00	0.790	52.490	5824.65	220.56	160.61	224.28	40°12'48.934"N	104°57'40.295"W	0.31	
6016.00	0.960	48.220	5994.63	222.51	162.27	226.27	40°12'48.951"N	104°57'40.269"W	0.11	
6101.00	1.270	91.810	6079.62	223.98	162.72	227.74	40°12'48.955"N	104°57'40.250"W	1.03	
6186.00	0.590	180.940	6164.61	224.92	162.25	228.67	40°12'48.950"N	104°57'40.238"W	1.64	
6442.00	0.180	144.480	6420.60	225.17	160.61	228.89	40°12'48.934"N	104°57'40.236"W	0.18	
6527.00	0.250	210.100	6505.60	225.16	160.34	228.87	40°12'48.931"N	104°57'40.236"W	0.28	
6612.00	4.170	94.870	6590.53	228.16	159.91	231.86	40°12'48.927"N	104°57'40.197"W	5.04	
6697.00	10.840	89.890	6674.75	239.24	159.67	242.94	40°12'48.925"N	104°57'40.054"W	7.88	
6783.00	16.290	85.060	6758.32	259.33	160.72	263.06	40°12'48.935"N	104°57'39.795"W	6.47	
6868.00	21.710	87.960	6838.67	286.90	162.31	290.67	40°12'48.951"N	104°57'39.439"W	6.47	
6953.00	29.540	88.450	6915.25	323.58	163.44	327.39	40°12'48.962"N	104°57'38.966"W	9.22	
6996.00	34.300	87.210	6951.73	346.27	164.31	350.10	40°12'48.971"N	104°57'38.673"W	11.17	
7038.00	39.130	86.900	6985.39	371.30	165.61	375.17	40°12'48.983"N	104°57'38.350"W	11.51	
7123.00	48.900	87.390	7046.45	430.13	168.52	434.08	40°12'49.012"N	104°57'37.591"W	11.50	
7208.00	59.770	87.380	7095.93	498.93	171.67	502.97	40°12'49.043"N	104°57'36.703"W	12.79	
7293.00	70.550	90.030	7131.59	575.86	173.33	579.96	40°12'49.060"N	104°57'35.710"W	12.99	
7378.00	81.730	92.180	7151.92	658.25	171.71	662.33	40°12'49.044"N	104°57'34.649"W	13.38	
7463.00	89.130	93.200	7158.69	742.90	167.73	746.91	40°12'49.004"N	104°57'33.558"W	8.79	
7513.00	89.850	93.990	7159.13	792.85	164.59	796.81	40°12'48.973"N	104°57'32.915"W	2.14	
7563.00†	90.426	94.404	7159.01	842.79	160.93	846.68	40°12'48.937"N	104°57'32.272"W	1.42	7" CASING POINT
7612.00	90.990	94.810	7158.41	891.70	157.00	895.51	40°12'48.898"N	104°57'31.643"W	1.42	
7674.00	89.880	94.980	7157.94	953.58	151.71	957.28	40°12'48.846"N	104°57'30.847"W	1.81	
7767.00	91.450	95.170	7156.86	1046.37	143.48	1049.91	40°12'48.765"N	104°57'29.653"W	1.70	
7860.00	91.610	93.590	7154.38	1139.20	136.38	1142.60	40°12'48.694"N	104°57'28.458"W	1.71	
7953.00	91.480	91.700	7151.87	1232.14	132.09	1235.47	40°12'48.652"N	104°57'27.261"W	2.04	
8046.00	91.620	90.040	7149.35	1325.10	130.68	1328.42	40°12'48.638"N	104°57'26.063"W	1.79	
8138.00	91.720	88.750	7146.67	1417.00	131.65	1420.37	40°12'48.648"N	104°57'24.878"W	1.41	
8230.00	92.170	88.780	7143.55	1508.86	133.63	1512.30	40°12'48.667"N	104°57'23.693"W	0.49	
8322.00	92.320	88.980	7139.94	1600.71	135.43	1604.21	40°12'48.685"N	104°57'22.508"W	0.27	
8414.00	91.950	88.940	7136.52	1692.57	137.10	1696.13	40°12'48.701"N	104°57'21.323"W	0.40	
8598.00	91.840	88.880	7130.43	1876.31	140.60	1880.00	40°12'48.736"N	104°57'18.953"W	0.07	
8781.00	89.570	89.800	7128.18	2059.17	142.71	2062.96	40°12'48.756"N	104°57'16.595"W	1.34	
8965.00	90.860	88.580	7127.49	2243.04	145.31	2246.93	40°12'48.782"N	104°57'14.223"W	0.96	
9149.00	91.910	88.510	7123.04	2426.77	149.98	2430.81	40°12'48.828"N	104°57'11.853"W	0.57	
9333.00	92.080	89.640	7116.64	2610.51	152.95	2614.67	40°12'48.857"N	104°57'09.483"W	0.62	

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9517.00	90.960	91.130	7111.76	2794.42	151.71	2798.60	40°12'48.845"N	104°57'07.112"W	1.01	
9701.00	89.290	91.310	7111.36	2978.41	147.79	2982.55	40°12'48.806"N	104°57'04.741"W	0.91	
9871.00	88.200	90.510	7115.08	3148.36	145.09	3152.48	40°12'48.779"N	104°57'02.551"W	0.80	
9956.00	89.820	90.620	7116.55	3233.34	144.25	3237.46	40°12'48.770"N	104°57'01.456"W	1.91	
10041.00	91.660	90.520	7115.45	3318.32	143.41	3322.45	40°12'48.762"N	104°57'00.360"W	2.17	
10126.00	92.160	90.440	7112.62	3403.26	142.70	3407.40	40°12'48.755"N	104°56'59.265"W	0.60	
10211.00	91.850	91.070	7109.64	3488.21	141.58	3492.34	40°12'48.744"N	104°56'58.170"W	0.83	
10296.00	91.370	91.750	7107.25	3573.17	139.49	3577.28	40°12'48.723"N	104°56'57.075"W	0.98	
10381.00	89.690	92.360	7106.47	3658.16	136.44	3662.22	40°12'48.693"N	104°56'55.981"W	2.10	
10467.00	90.460	93.690	7106.36	3744.12	131.90	3748.09	40°12'48.648"N	104°56'54.874"W	1.79	
10552.00	91.300	93.720	7105.05	3829.03	126.41	3832.90	40°12'48.593"N	104°56'53.780"W	0.99	
10637.00	91.980	93.770	7102.62	3913.92	120.86	3917.69	40°12'48.538"N	104°56'52.688"W	0.80	
10722.00	90.620	93.550	7100.69	3998.82	115.43	4002.49	40°12'48.485"N	104°56'51.594"W	1.62	
10892.00	90.950	94.190	7098.36	4168.64	103.96	4172.09	40°12'48.371"N	104°56'49.408"W	0.42	
10977.00	89.410	93.090	7098.09	4253.56	98.57	4256.91	40°12'48.317"N	104°56'48.315"W	2.23	
11147.00	89.970	93.320	7099.01	4423.46	89.06	4426.64	40°12'48.223"N	104°56'46.127"W	0.36	
11317.00	89.810	93.010	7099.34	4593.37	79.68	4596.38	40°12'48.130"N	104°56'43.939"W	0.21	
11487.00	91.260	93.250	7097.75	4763.28	70.39	4766.12	40°12'48.038"N	104°56'41.752"W	0.86	
11658.00	90.830	92.740	7094.63	4934.17	61.46	4936.85	40°12'47.949"N	104°56'39.551"W	0.39	
11828.00	90.370	91.220	7092.85	5104.15	55.59	5106.74	40°12'47.891"N	104°56'37.361"W	0.93	
11998.00	88.610	90.270	7094.37	5274.12	53.38	5276.71	40°12'47.869"N	104°56'35.170"W	1.18	
12168.00	88.950	89.990	7097.99	5444.05	52.99	5446.67	40°12'47.865"N	104°56'32.979"W	0.26	
12338.00	88.150	89.630	7102.29	5613.93	53.56	5616.61	40°12'47.870"N	104°56'30.789"W	0.52	
12508.00	88.640	90.380	7107.05	5783.82	53.54	5786.54	40°12'47.869"N	104°56'28.598"W	0.53	
12593.00	89.940	91.320	7108.10	5868.81	52.28	5871.52	40°12'47.857"N	104°56'27.503"W	1.89	
12678.00	92.000	91.820	7106.66	5953.79	49.95	5956.47	40°12'47.834"N	104°56'26.408"W	2.49	
12849.00	92.750	91.370	7099.58	6124.64	45.20	6127.26	40°12'47.786"N	104°56'24.207"W	0.51	
12934.00	92.350	91.980	7095.80	6209.55	42.71	6212.14	40°12'47.761"N	104°56'23.113"W	0.86	
13019.00	91.080	92.710	7093.25	6294.50	39.24	6297.03	40°12'47.727"N	104°56'22.018"W	1.72	
13104.00	91.290	92.630	7091.49	6379.46	35.28	6381.92	40°12'47.687"N	104°56'20.924"W	0.26	
13189.00	90.120	93.410	7090.45	6464.41	30.80	6466.79	40°12'47.643"N	104°56'19.830"W	1.65	
13274.00	90.430	93.370	7090.04	6549.35	25.77	6551.64	40°12'47.593"N	104°56'18.737"W	0.37	
13360.00	89.880	92.610	7089.81	6635.31	21.29	6637.52	40°12'47.549"N	104°56'17.630"W	1.09	
13445.00	90.000	92.770	7089.90	6720.29	17.30	6722.43	40°12'47.509"N	104°56'16.535"W	0.24	
13530.00	89.690	91.970	7090.13	6805.27	13.78	6807.35	40°12'47.474"N	104°56'15.440"W	1.01	
13615.00	89.850	92.040	7090.47	6890.27	10.81	6892.30	40°12'47.444"N	104°56'14.346"W	0.21	
13700.00	89.750	92.030	7090.76	6975.26	7.79	6977.25	40°12'47.414"N	104°56'13.251"W	0.12	
13785.00	90.030	92.100	7090.93	7060.25	4.73	7062.19	40°12'47.384"N	104°56'12.156"W	0.34	
13871.00	90.310	92.170	7090.67	7146.24	1.53	7148.13	40°12'47.352"N	104°56'11.048"W	0.34	
13956.00	90.950	91.910	7089.74	7231.23	-1.50	7233.07	40°12'47.322"N	104°56'09.953"W	0.81	
14126.00	92.130	92.170	7085.17	7401.15	-7.55	7402.90	40°12'47.261"N	104°56'07.764"W	0.71	
14296.00	92.740	92.000	7077.95	7570.98	-13.73	7572.63	40°12'47.200"N	104°56'05.576"W	0.37	
14359.00	92.900	92.140	7074.85	7633.90	-16.00	7635.52	40°12'47.177"N	104°56'04.766"W	0.34	LAST BHI MWD+IFR SURVEY
14421.00	92.900	92.140	7071.71	7695.81	-18.31	7697.39	40°12'47.154"N	104°56'03.968"W	0.00	PROJECTION TO BIT

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#16 REYNOLDS CATTLE 6N-19HZ (2101'FNL & 338'FEL, SEC.23)
Area	COLORADO	Well	REYNOLDS CATTLE 6N-19HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REYNOLDS CATTLE 6N-19HZ AWB
Facility	SEC.23-T3N-R68W		

HOLE & CASING SECTIONS - Ref Wellbore: REYNOLDS CATTLE 6N-19HZ AWB Ref Wellpath: REYNOLDS CATTLE 6N-19HZ 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	1349.00	1333.00	16.00	1348.94	0.00	0.00	3.78	-8.97
9.625in Casing Surface	16.00	1349.00	1333.00	16.00	1348.94	0.00	0.00	3.78	-8.97
8.75in Open Hole	1349.00	7570.00	6221.00	1348.94	7158.96	3.78	-8.97	160.39	853.65
7in Casing Intermediate	16.00	7563.00	7547.00	16.00	7159.01	0.00	0.00	160.93	846.68
6.125in Open Hole	7570.00	14358.00	6788.00	7158.96	7074.90	160.39	853.65	-15.96	7634.52

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.19-T3N-R67W SECTION LINES		24.00	1540.65	170.67	3150413.01	1322490.88	40°13'02.572"N	104°57'40.986"W	polygon
SEC.23-T3N-R68W SECTION LINES		24.00	1540.65	170.67	3150413.01	1322490.88	40°13'02.572"N	104°57'40.986"W	polygon
SEC.24-T3N-R68W SECTION LINES		24.00	1540.65	170.67	3150413.01	1322490.88	40°13'02.572"N	104°57'40.986"W	polygon
REYNOLDS CATTLE 6N-19HZ BHL ON PLAT REV-1 (2113'FNL & 2071'FWL, SEC. 19)		7052.00	-15.17	7722.14	3157973.45	1320980.98	40°12'47.185"N	104°56'03.649"W	point
REYNOLDS CATTLE 6N-19HZ LANDBOX		7052.00	0.00	0.00	3150251.71	1320949.30	40°12'47.347"N	104°57'43.186"W	polygon
REYNOLDS CATTLE 6N-19HZ BHL ON PLAT REV-2 (2113'FNL & 2071'FWL, SEC. 19)		7082.00	-15.17	7722.14	3157973.45	1320980.98	40°12'47.185"N	104°56'03.649"W	point
REYNOLDS CATTLE 6N-19HZ BHL ON PLAT REV-3 (1963'FNL & 2071'FWL, SEC. 19)		7082.00	134.83	7722.14	3157972.54	1321130.97	40°12'48.667"N	104°56'03.649"W	point

WELLPATH COMPOSITION - Ref Wellbore: REYNOLDS CATTLE 6N-19HZ AWB Ref Wellpath: REYNOLDS CATTLE 6N-19HZ AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	1266.00	Generic gyro - continuous (Standard)	MS ENERGY GYRODATA SURVEYS <116-1266>	REYNOLDS CATTLE 6N-19HZ AWB
1266.00	7513.00	NaviTrak (IFR)	BHI MWD+IFR SURVEYS 8 3/4" HOLE <1405-7513>	REYNOLDS CATTLE 6N-19HZ AWB
7513.00	14359.00	NaviTrak (IFR)	BHI MWD+IFR SURVEYS 6 1/8" HOLE <7612-14359>	REYNOLDS CATTLE 6N-19HZ AWB
14359.00	14421.00	Blind Drilling (std)	Projection to bit	REYNOLDS CATTLE 6N-19HZ AWB

Actual Wellpath Report

REYNOLDS CATTLE 6N-19HZ AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#16 REYNOLDS CATTLE 6N-19HZ (2101'FNL & 338'FEL, SEC.23)
Area	COLORADO	Well	REYNOLDS CATTLE 6N-19HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REYNOLDS CATTLE 6N-19HZ AWB
Facility	SEC.23-T3N-R68W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
16.00	0.000	273.440	16.00	TIE ON
116.00	0.770	273.440	116.00	BEGIN GYRO SURVEYS
1266.00	0.900	289.060	1265.95	TIE ONTO GYRO SURVEYS
1405.00	0.620	278.430	1404.94	BEGIN BHI MWD+IFR SURVEYS
7563.00	90.426	94.404	7159.01	7" CASING POINT
14359.00	92.900	92.140	7074.85	LAST BHI MWD+IFR SURVEY
14421.00	92.900	92.140	7071.71	PROJECTION TO BIT