

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#41 SEKICH STATE 40N-17HZ (2060'FSL & 380'FWL, SEC.18)
Area	COLORADO	Well	SEKICH STATE 40N-17HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SEKICH STATE 40N-17HZ AWB
Facility	SEC.18-T3N-R67W		

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	28/Apr/2014 at 16:38
Convergence at slot	n/a	Database/Source file	WellArchitectDB/SEKICH_STATE_40N-17HZ__AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-1218.14	-1532.50	3156259.64	1325202.85	40°13'29.014"N	104°56'25.397"W
Facility Reference Pt			3157784.27	1326430.67	40°13'41.052"N	104°56'05.640"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	H&P 307 (25'KB) (RKB) to Installation Vertical Datum	4880.00ft
Horizontal Reference Pt	Slot	H&P 307 (25'KB) (RKB) to Mean Sea Level	4880.00ft
Vertical Reference Pt	H&P 307 (25'KB) (RKB)	H&P 307 (25'KB) (RKB) to Mud Line at Slot (SLOT#41 SEKICH STATE 40N-17HZ (2060'FSL & 380'FWL, SEC.18))	4880.00ft
MD Reference Pt	H&P 307 (25'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	91.09°

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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	29.510	0.00	0.00	0.00	0.00	40°13'29.014"N	104°56'25.397"W	0.00	
25.00	0.000	29.510	25.00	0.00	0.00	0.00	40°13'29.014"N	104°56'25.397"W	0.00	TIE ON
125.00	0.390	29.510	125.00	0.16	0.30	0.17	40°13'29.017"N	104°56'25.395"W	0.39	BEGIN GYRO SURVEYS
225.00	0.450	36.190	225.00	0.55	0.91	0.57	40°13'29.023"N	104°56'25.390"W	0.08	
325.00	0.510	158.720	324.99	0.94	0.81	0.96	40°13'29.022"N	104°56'25.385"W	0.84	
425.00	0.720	235.880	424.99	0.60	0.04	0.60	40°13'29.014"N	104°56'25.389"W	0.78	
525.00	0.510	202.130	524.98	-0.07	-0.72	-0.09	40°13'29.007"N	104°56'25.398"W	0.41	
625.00	0.360	131.950	624.98	0.01	-1.34	-0.02	40°13'29.001"N	104°56'25.397"W	0.51	
725.00	0.450	125.580	724.98	0.57	-1.78	0.53	40°13'28.996"N	104°56'25.390"W	0.10	
825.00	0.440	93.200	824.98	1.27	-2.03	1.24	40°13'28.994"N	104°56'25.381"W	0.25	
925.00	0.510	127.960	924.97	2.01	-2.33	1.97	40°13'28.991"N	104°56'25.372"W	0.29	
1025.00	0.570	142.610	1024.97	2.68	-3.00	2.62	40°13'28.984"N	104°56'25.363"W	0.15	
1125.00	0.450	343.950	1124.97	2.87	-3.01	2.82	40°13'28.984"N	104°56'25.361"W	1.00	
1189.00	0.820	244.190	1188.97	2.39	-2.97	2.33	40°13'28.985"N	104°56'25.367"W	1.56	TIE ONTO GYRO SURVEYS
1313.00	0.570	290.520	1312.96	1.02	-3.14	0.96	40°13'28.983"N	104°56'25.385"W	0.48	BEGIN BHI MWD+IFR SURVEYS
1406.00	1.880	357.030	1405.94	0.47	-1.46	0.45	40°13'29.000"N	104°56'25.391"W	1.86	
1498.00	3.550	0.660	1497.83	0.35	2.90	0.40	40°13'29.043"N	104°56'25.392"W	1.82	
1591.00	5.990	5.540	1590.50	0.70	10.61	0.90	40°13'29.119"N	104°56'25.385"W	2.66	
1693.00	7.810	4.830	1691.76	1.57	22.81	2.00	40°13'29.239"N	104°56'25.371"W	1.79	
1786.00	8.370	9.650	1783.83	2.99	35.78	3.67	40°13'29.368"N	104°56'25.350"W	0.95	
1880.00	9.500	1.350	1876.70	4.04	50.28	5.00	40°13'29.511"N	104°56'25.333"W	1.82	
1972.00	10.540	357.880	1967.29	3.60	66.28	4.86	40°13'29.669"N	104°56'25.334"W	1.31	
2065.00	10.700	357.820	2058.70	2.64	83.41	4.22	40°13'29.838"N	104°56'25.343"W	0.17	
2158.00	10.130	356.660	2150.17	1.51	100.20	3.42	40°13'30.004"N	104°56'25.353"W	0.65	
2251.00	10.570	0.130	2241.65	0.74	116.90	2.96	40°13'30.169"N	104°56'25.359"W	0.82	
2344.00	9.740	358.380	2333.20	0.22	133.29	2.76	40°13'30.331"N	104°56'25.361"W	0.95	
2437.00	11.390	0.570	2424.62	-0.23	150.34	2.62	40°13'30.500"N	104°56'25.363"W	1.83	
2531.00	11.100	0.370	2516.81	-0.43	168.67	2.78	40°13'30.681"N	104°56'25.361"W	0.31	
2624.00	10.860	359.300	2608.11	-0.81	186.38	2.73	40°13'30.856"N	104°56'25.362"W	0.34	
2718.00	9.930	358.250	2700.57	-1.49	203.34	2.37	40°13'31.023"N	104°56'25.366"W	1.01	
2811.00	10.180	0.740	2792.14	-1.94	219.57	2.23	40°13'31.184"N	104°56'25.368"W	0.54	
2905.00	10.650	358.820	2884.59	-2.33	236.56	2.16	40°13'31.352"N	104°56'25.369"W	0.62	
2998.00	9.680	357.710	2976.13	-3.13	252.97	1.67	40°13'31.514"N	104°56'25.375"W	1.06	
3091.00	10.910	0.930	3067.63	-3.62	269.58	1.50	40°13'31.678"N	104°56'25.378"W	1.46	
3184.00	9.810	1.080	3159.11	-3.64	286.30	1.79	40°13'31.843"N	104°56'25.374"W	1.18	
3278.00	9.840	353.500	3251.74	-4.70	302.29	1.03	40°13'32.001"N	104°56'25.384"W	1.38	
3371.00	10.350	352.340	3343.30	-7.02	318.46	-0.98	40°13'32.161"N	104°56'25.410"W	0.59	
3466.00	9.440	350.350	3436.88	-9.77	334.60	-3.42	40°13'32.321"N	104°56'25.441"W	1.02	
3561.00	8.350	351.180	3530.74	-12.41	349.10	-5.79	40°13'32.464"N	104°56'25.472"W	1.16	
3655.00	8.100	351.800	3623.77	-14.66	362.40	-7.78	40°13'32.595"N	104°56'25.497"W	0.28	
3749.00	6.850	350.600	3716.97	-16.74	374.48	-9.64	40°13'32.715"N	104°56'25.521"W	1.34	
3843.00	5.810	347.070	3810.40	-18.92	384.65	-11.62	40°13'32.815"N	104°56'25.547"W	1.18	
3938.00	3.380	347.780	3905.09	-20.73	392.08	-13.29	40°13'32.888"N	104°56'25.568"W	2.56	
4032.00	1.420	336.810	3999.00	-21.84	395.86	-14.33	40°13'32.926"N	104°56'25.582"W	2.13	
4126.00	0.760	318.760	4092.98	-22.74	397.40	-15.20	40°13'32.941"N	104°56'25.593"W	0.78	

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Facility	SEC.18-T3N-R67W		

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4504.00	0.830	293.210	4470.95	-26.97	400.36	-19.37	40°13'32.970"N	104°56'25.647"W	0.09	
4598.00	0.400	266.020	4564.94	-27.92	400.61	-20.32	40°13'32.973"N	104°56'25.659"W	0.54	
4975.00	0.640	274.690	4941.93	-31.34	400.69	-23.73	40°13'32.974"N	104°56'25.703"W	0.07	
5353.00	0.500	276.380	5319.91	-35.09	401.04	-27.48	40°13'32.977"N	104°56'25.751"W	0.04	
5730.00	0.600	316.680	5696.89	-38.10	402.66	-30.47	40°13'32.993"N	104°56'25.790"W	0.10	
6108.00	1.420	293.140	6074.83	-43.83	405.94	-36.13	40°13'33.025"N	104°56'25.863"W	0.24	
6297.00	1.450	285.930	6263.77	-48.31	407.52	-40.58	40°13'33.041"N	104°56'25.920"W	0.10	
6391.00	0.180	118.010	6357.76	-49.33	407.78	-41.60	40°13'33.044"N	104°56'25.933"W	1.73	
6486.00	3.630	97.100	6452.70	-46.21	407.33	-38.48	40°13'33.039"N	104°56'25.893"W	3.64	
6533.00	10.310	94.290	6499.32	-40.52	406.83	-32.80	40°13'33.034"N	104°56'25.820"W	14.23	
6580.00	15.880	93.580	6545.08	-29.89	406.12	-22.18	40°13'33.027"N	104°56'25.683"W	11.86	
6627.00	19.720	90.550	6589.82	-15.53	405.64	-7.83	40°13'33.023"N	104°56'25.498"W	8.40	
6674.00	22.350	87.460	6633.69	1.32	405.96	9.03	40°13'33.026"N	104°56'25.281"W	6.07	
6721.00	26.750	87.030	6676.43	20.80	406.90	28.53	40°13'33.035"N	104°56'25.029"W	9.37	
6769.00	30.240	90.400	6718.61	43.67	407.38	51.41	40°13'33.040"N	104°56'24.734"W	8.00	
6816.00	33.250	92.560	6758.58	68.39	406.72	76.13	40°13'33.033"N	104°56'24.416"W	6.84	
6863.00	38.280	92.030	6796.70	95.85	405.63	103.56	40°13'33.022"N	104°56'24.062"W	10.72	
6910.00	44.510	91.160	6831.94	126.91	404.78	134.62	40°13'33.014"N	104°56'23.662"W	13.31	
6958.00	49.160	92.070	6864.77	161.91	403.78	169.60	40°13'33.004"N	104°56'23.210"W	9.79	
7005.00	52.420	93.270	6894.48	198.30	402.08	205.97	40°13'32.987"N	104°56'22.742"W	7.21	
7052.00	56.560	93.770	6921.77	236.52	399.72	244.15	40°13'32.964"N	104°56'22.249"W	8.85	
7099.00	62.910	94.070	6945.45	277.04	396.95	284.63	40°13'32.937"N	104°56'21.728"W	13.52	
7146.00	70.430	94.840	6964.05	320.09	393.59	327.62	40°13'32.903"N	104°56'21.173"W	16.07	
7193.00	74.680	94.610	6978.14	364.83	389.90	372.30	40°13'32.867"N	104°56'20.597"W	9.05	
7241.00	78.200	94.210	6989.39	411.41	386.31	418.82	40°13'32.831"N	104°56'19.998"W	7.38	
7288.00	81.960	93.300	6997.48	457.64	383.28	465.01	40°13'32.802"N	104°56'19.402"W	8.22	
7321.00	84.260	92.880	7001.44	490.38	381.52	497.72	40°13'32.784"N	104°56'18.980"W	7.08	
7370.00†	86.162	93.021	7005.53	539.19	379.00	546.48	40°13'32.759"N	104°56'18.352"W	3.89	7" CASING POINT
7422.00	88.180	93.170	7008.10	591.09	376.20	598.34	40°13'32.732"N	104°56'17.683"W	3.89	
7484.00	88.640	93.040	7009.82	653.02	372.84	660.22	40°13'32.698"N	104°56'16.885"W	0.77	
7579.00	88.890	93.010	7011.87	747.95	367.83	755.07	40°13'32.649"N	104°56'15.663"W	0.27	
7673.00	88.920	92.820	7013.66	841.88	363.05	848.93	40°13'32.601"N	104°56'14.452"W	0.20	
7768.00	88.670	92.650	7015.66	936.82	358.52	943.80	40°13'32.557"N	104°56'13.229"W	0.32	
7862.00	90.000	92.110	7016.75	1030.79	354.62	1037.71	40°13'32.518"N	104°56'12.019"W	1.53	
7956.00	89.960	92.020	7016.79	1124.78	351.23	1131.65	40°13'32.485"N	104°56'10.808"W	0.10	
8050.00	90.150	91.540	7016.70	1218.77	348.31	1225.60	40°13'32.456"N	104°56'09.596"W	0.55	
8145.00	90.460	91.610	7016.19	1313.76	345.70	1320.57	40°13'32.430"N	104°56'08.372"W	0.33	
8239.00	90.640	91.370	7015.29	1407.76	343.25	1414.53	40°13'32.406"N	104°56'07.161"W	0.32	
8333.00	91.160	91.190	7013.81	1501.75	341.15	1508.49	40°13'32.385"N	104°56'05.949"W	0.59	
8428.00	90.830	91.110	7012.16	1596.73	339.25	1603.46	40°13'32.366"N	104°56'04.725"W	0.36	
8522.00	90.610	91.630	7010.98	1690.72	337.00	1697.43	40°13'32.344"N	104°56'03.513"W	0.60	
8617.00	89.780	92.070	7010.66	1785.71	333.93	1792.37	40°13'32.313"N	104°56'02.289"W	0.99	
8711.00	89.780	91.980	7011.02	1879.70	330.61	1886.31	40°13'32.280"N	104°56'01.078"W	0.10	
8806.00	89.660	91.750	7011.48	1974.69	327.52	1981.26	40°13'32.250"N	104°55'59.854"W	0.27	
8900.00	90.670	91.500	7011.21	2068.68	324.85	2075.22	40°13'32.223"N	104°55'58.643"W	1.11	

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8994.00	90.120	91.710	7010.56	2162.68	322.22	2169.18	40°13'32.197"N	104°55'57.432"W	0.63	
9089.00	89.780	92.040	7010.65	2257.67	319.11	2264.13	40°13'32.166"N	104°55'56.207"W	0.50	
9183.00	90.060	92.090	7010.78	2351.65	315.73	2358.07	40°13'32.133"N	104°55'54.996"W	0.30	
9278.00	90.360	92.040	7010.43	2446.64	312.30	2453.01	40°13'32.099"N	104°55'53.772"W	0.32	
9372.00	89.190	92.300	7010.80	2540.62	308.74	2546.94	40°13'32.064"N	104°55'52.561"W	1.28	
9466.00	89.440	92.480	7011.92	2634.59	304.82	2640.85	40°13'32.025"N	104°55'51.351"W	0.33	
9559.00	89.630	92.240	7012.68	2727.56	300.99	2733.77	40°13'31.987"N	104°55'50.153"W	0.33	
9745.00	90.090	92.090	7013.13	2913.53	293.97	2919.64	40°13'31.917"N	104°55'47.757"W	0.26	
9931.00	90.360	91.800	7012.40	3099.51	287.66	3105.53	40°13'31.855"N	104°55'45.360"W	0.21	
10023.00	90.890	91.770	7011.40	3191.49	284.79	3197.48	40°13'31.826"N	104°55'44.175"W	0.58	
10117.00	90.430	92.520	7010.32	3285.47	281.27	3291.40	40°13'31.791"N	104°55'42.964"W	0.94	
10210.00	90.120	92.290	7009.87	3378.44	277.37	3384.32	40°13'31.753"N	104°55'41.766"W	0.42	
10303.00	90.580	92.460	7009.30	3471.42	273.52	3477.24	40°13'31.714"N	104°55'40.568"W	0.53	
10396.00	89.840	91.840	7008.96	3564.40	270.03	3570.17	40°13'31.680"N	104°55'39.370"W	1.04	
10490.00	90.460	91.320	7008.71	3658.40	267.43	3664.13	40°13'31.654"N	104°55'38.158"W	0.86	
10583.00	89.630	92.050	7008.64	3751.39	264.70	3757.09	40°13'31.627"N	104°55'36.960"W	1.19	
10676.00	89.810	92.430	7009.10	3844.37	261.07	3850.02	40°13'31.591"N	104°55'35.762"W	0.45	
10770.00	89.960	92.120	7009.28	3938.35	257.33	3943.95	40°13'31.554"N	104°55'34.551"W	0.37	
10863.00	90.550	93.980	7008.87	4031.29	252.39	4036.81	40°13'31.505"N	104°55'33.354"W	2.10	
10957.00	90.890	95.200	7007.69	4125.10	244.86	4130.50	40°13'31.430"N	104°55'32.146"W	1.35	
11050.00	92.310	95.660	7005.09	4217.80	236.07	4223.04	40°13'31.343"N	104°55'30.953"W	1.60	
11143.00	91.410	96.090	7002.07	4310.42	226.55	4315.50	40°13'31.249"N	104°55'29.761"W	1.07	
11237.00	90.000	96.260	7000.92	4404.04	216.44	4408.95	40°13'31.149"N	104°55'28.556"W	1.51	
11330.00	90.580	96.250	7000.45	4496.66	206.31	4501.39	40°13'31.049"N	104°55'27.365"W	0.62	
11423.00	89.930	95.370	7000.03	4589.35	196.90	4593.91	40°13'30.956"N	104°55'26.172"W	1.18	
11503.00	90.370	95.540	6999.82	4669.11	189.29	4673.55	40°13'30.880"N	104°55'25.145"W	0.59	
11607.00	89.250	95.140	7000.17	4772.83	179.61	4777.10	40°13'30.784"N	104°55'23.810"W	1.14	
11699.00	89.590	94.010	7001.10	4864.65	172.27	4868.80	40°13'30.712"N	104°55'22.628"W	1.28	
11791.00	89.780	92.710	7001.60	4956.57	166.88	4960.64	40°13'30.658"N	104°55'21.444"W	1.43	
11883.00	89.870	93.080	7001.89	5048.53	162.24	5052.52	40°13'30.612"N	104°55'20.260"W	0.41	
11974.00	89.780	92.440	7002.16	5139.49	157.85	5143.41	40°13'30.569"N	104°55'19.088"W	0.71	
12066.00	90.000	91.010	7002.34	5231.48	155.09	5235.37	40°13'30.541"N	104°55'17.902"W	1.57	
12158.00	90.060	89.280	7002.29	5323.46	154.85	5327.36	40°13'30.539"N	104°55'16.716"W	1.88	
12344.00	90.830	89.950	7000.85	5509.39	156.10	5513.35	40°13'30.551"N	104°55'14.318"W	0.55	
12439.00	89.900	89.440	7000.24	5604.36	156.61	5608.35	40°13'30.555"N	104°55'13.094"W	1.12	
12628.00	89.840	89.570	7000.67	5793.29	158.24	5797.34	40°13'30.571"N	104°55'10.657"W	0.08	
12816.00	90.460	89.770	7000.18	5981.23	159.32	5985.33	40°13'30.581"N	104°55'08.234"W	0.35	
12911.00	91.440	90.060	6998.60	6076.20	159.46	6080.32	40°13'30.582"N	104°55'07.009"W	1.08	
13005.00	89.690	89.390	6997.68	6170.16	159.92	6174.31	40°13'30.587"N	104°55'05.797"W	1.99	
13099.00	89.660	88.760	6998.21	6264.10	161.43	6268.29	40°13'30.601"N	104°55'04.586"W	0.67	
13288.00	91.070	89.210	6997.01	6452.96	164.78	6457.26	40°13'30.634"N	104°55'02.150"W	0.78	
13383.00	89.840	89.140	6996.25	6547.91	166.15	6552.24	40°13'30.647"N	104°55'00.925"W	1.30	
13477.00	89.840	89.140	6996.51	6641.85	167.56	6646.23	40°13'30.661"N	104°54'59.713"W	0.00	
13665.00	89.870	88.600	6996.99	6829.71	171.27	6834.19	40°13'30.697"N	104°54'57.290"W	0.29	
13854.00	90.550	88.940	6996.30	7018.55	175.32	7023.15	40°13'30.737"N	104°54'54.854"W	0.40	

REFERENCE WELLPATH IDENTIFICATION				
Operator	KERR-MCGEE OIL & GAS ONSHORE LP		Slot	SLOT#41 SEKICH STATE 40N-17HZ (2060'FSL & 380'FWL, SEC.18)
Area	COLORADO		Well	SEKICH STATE 40N-17HZ
Field	WELD COUNTY (KERR MCGEE)		Wellbore	SEKICH STATE 40N-17HZ AWB
Facility	SEC.18-T3N-R67W			

WELLPATH DATA (158 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13949.00	89.630	89.040	6996.15	7113.49	177.00	7118.13	40°13'30.753"N	104°54'53.629"W	0.97	
14138.00	90.640	89.170	6995.70	7302.37	179.95	7307.10	40°13'30.782"N	104°54'51.193"W	0.54	
14232.00	90.210	89.430	6995.01	7396.32	181.10	7401.09	40°13'30.793"N	104°54'49.981"W	0.53	
14326.00	89.100	89.470	6995.57	7490.28	182.00	7495.09	40°13'30.801"N	104°54'48.770"W	1.18	
14421.00	88.730	89.450	6997.37	7585.23	182.90	7590.07	40°13'30.810"N	104°54'47.545"W	0.39	
14515.00	89.350	89.990	6998.95	7679.18	183.36	7684.05	40°13'30.814"N	104°54'46.334"W	0.87	
14704.00	90.800	90.180	6998.70	7868.15	183.08	7873.04	40°13'30.811"N	104°54'43.897"W	0.77	
14893.00	88.640	90.530	6999.62	8057.12	181.90	8062.03	40°13'30.799"N	104°54'41.461"W	1.16	
15081.00	89.530	90.860	7002.62	8245.09	179.62	8249.99	40°13'30.775"N	104°54'39.037"W	0.50	
15175.00	89.250	89.730	7003.62	8339.07	179.14	8343.98	40°13'30.770"N	104°54'37.826"W	1.24	
15364.00	89.720	89.110	7005.32	8527.99	181.05	8532.96	40°13'30.789"N	104°54'35.389"W	0.41	
15459.00	89.900	89.230	7005.64	8622.93	182.43	8627.95	40°13'30.802"N	104°54'34.165"W	0.23	
15553.00	89.840	88.840	7005.85	8716.87	184.01	8721.94	40°13'30.817"N	104°54'32.953"W	0.42	
15647.00	89.840	89.470	7006.11	8810.82	185.40	8815.93	40°13'30.831"N	104°54'31.741"W	0.67	
15742.00	90.180	89.590	7006.10	8905.78	186.18	8910.92	40°13'30.838"N	104°54'30.517"W	0.38	
15836.00	90.330	89.890	7005.68	8999.75	186.61	9004.92	40°13'30.842"N	104°54'29.305"W	0.36	
16025.00	91.050	90.470	7003.40	9188.71	186.01	9193.90	40°13'30.835"N	104°54'26.868"W	0.49	
16119.00	89.930	89.650	7002.60	9282.69	185.91	9287.90	40°13'30.834"N	104°54'25.657"W	1.48	
16213.00	90.400	87.800	7002.33	9376.61	188.00	9381.87	40°13'30.854"N	104°54'24.445"W	2.03	
16402.00	90.800	87.980	7000.35	9565.30	194.96	9570.73	40°13'30.922"N	104°54'22.010"W	0.23	
16591.00	91.870	88.250	6995.95	9754.00	201.18	9759.57	40°13'30.983"N	104°54'19.576"W	0.58	
16692.00	92.150	88.290	6992.40	9854.81	204.23	9860.47	40°13'31.013"N	104°54'18.275"W	0.28	LAST BHI MWD+IFR SURVEY
16766.00	92.150	88.290	6989.63	9928.67	206.43	9934.38	40°13'31.034"N	104°54'17.322"W	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS - Ref Wellbore: SEKICH STATE 40N-17HZ AWB Ref Wellpath: SEKICH STATE 40N-17HZ 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	25.00	1240.00	1215.00	25.00	1239.96	0.00	0.00	-3.19	1.72
9.625in Casing Surface	25.00	1228.00	1203.00	25.00	1227.96	0.00	0.00	-3.15	1.85
8.75in Open Hole	1240.00	7377.00	6137.00	1239.96	7005.99	-3.19	1.72	378.63	553.45
7in Casing Intermediate	25.00	7370.00	7345.00	25.00	7005.53	0.00	0.00	379.00	546.48
6.125in Open Hole	7377.00	16766.00	9389.00	7005.99	6989.63	378.63	553.45	206.43	9934.38

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#41 SEKICH STATE 40N-17HZ (2060'FSL & 380'FWL, SEC.18)
Area	COLORADO	Well	SEKICH STATE 40N-17HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SEKICH STATE 40N-17HZ AWB
Facility	SEC.18-T3N-R67W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.17-T3N-R67W SECTION LINES		6.00	0.00	0.00	3156259.63	1325202.85	40°13'29.014"N	104°56'25.397"W	polygon
SEC.18-T3N-R67W SECTION LINES		27.00	2422.96	4188.24	3160432.31	1327652.08	40°13'52.954"N	104°55'31.397"W	polygon
SEKICH STATE 40N-17HZ BHL ON PLAT REV-1 (2560'FSL & 50'FEL, SEC.17)		6993.00	349.13	9934.50	3166191.29	1325614.65	40°13'32.444"N	104°54'17.320"W	point
SEKICH STATE 40N-17HZ BHL REV-2 (2410'FSL & 50'FEL, SEC.17)		6993.00	199.13	9934.50	3166192.23	1325464.66	40°13'30.962"N	104°54'17.320"W	point
SEKICH STATE 40N-17HZ LANDBOX		6993.00	0.00	0.00	3156259.63	1325202.85	40°13'29.014"N	104°56'25.397"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: SEKICH STATE 40N-17HZ AWB Ref Wellpath: SEKICH STATE 40N-17HZ AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.00	1189.00	Generic gyro - continuous (Standard)	MS ENERGY GYRO SURVEYS <125-1189>	SEKICH STATE 40N-17HZ AWB
1189.00	7321.00	NaviTrak (IFR)	BHI NAVITRAK MWD+IFR 8 3/4" <1313-7321>	SEKICH STATE 40N-17HZ AWB
7321.00	16692.00	NaviTrak (IFR)	BHI NAVITRAK MWD+IFR 6 1/8" <7422-16692>	SEKICH STATE 40N-17HZ AWB
16692.00	16766.00	Blind Drilling (std)	Projection to bit	SEKICH STATE 40N-17HZ AWB

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#41 SEKICH STATE 40N-17HZ (2060'FSL & 380'FWL, SEC.18)
Area	COLORADO	Well	SEKICH STATE 40N-17HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SEKICH STATE 40N-17HZ AWB
Facility	SEC.18-T3N-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
25.00	0.000	29.510	25.00	TIE ON
125.00	0.390	29.510	125.00	BEGIN GYRO SURVEYS
1189.00	0.820	244.190	1188.97	TIE ONTO GYRO SURVEYS
1313.00	0.570	290.520	1312.96	BEGIN BHI MWD+IFR SURVEYS
7370.00	86.162	93.021	7005.53	7" CASING POINT
16692.00	92.150	88.290	6992.40	LAST BHI MWD+IFR SURVEY
16766.00	92.150	88.290	6989.63	PROJECTION TO BIT