

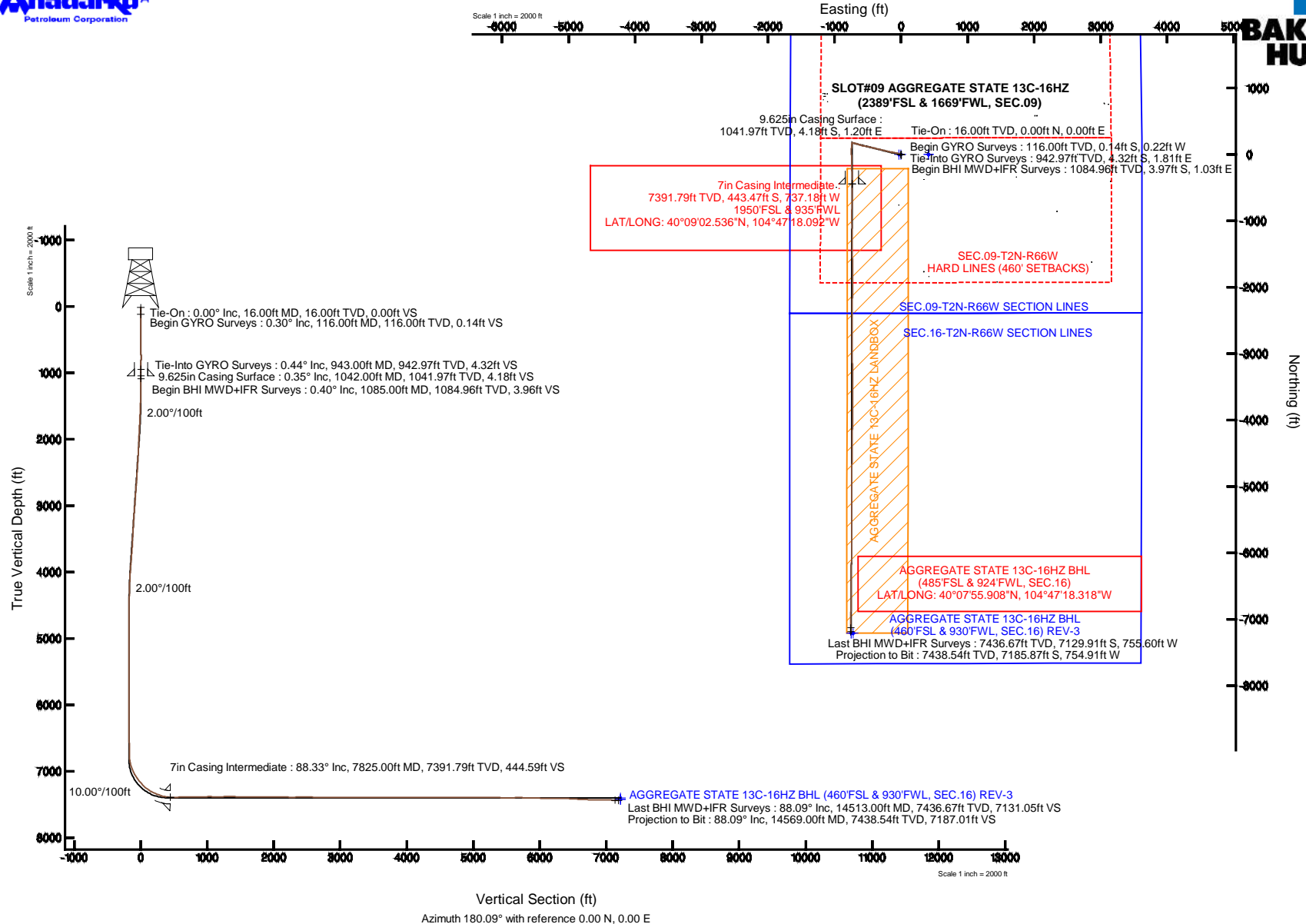
KERR-MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#09 AGGREGATE STATE 13C-16HZ (2389'FSL & 1669'FWL, SEC.09)
 Field: WELD COUNTY (KERR MCGEE) Well: AGGREGATE STATE 13C-16HZ
 Facility: SEC.09-T2N-R66W Wellbore: AGGREGATE STATE 13C-16HZ PWB



Plot reference wellpath is AGGREGATE STATE 13C-16HZ (REV-B.0) PWP

True vertical depths are referenced to XTREME 20 (16KB) (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to XTREME 20 (16KB) (RKB)	North Reference: True north
XTREME 20 (16KB) (RKB) to Mean Sea Level: 4920 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#09 AGGREGATE STATE 13C-16HZ (2389'FSL & 1669'FWL, SEC.09)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by precain on 21/May/2014



REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#09 AGGREGATE STATE 13C-16HZ (2389'FSL & 1669'FWL, SEC.09)
Area	COLORADO	Well	AGGREGATE STATE 13C-16HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	AGGREGATE STATE 13C-16HZ AWB
Facility	SEC.09-T2N-R66W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.0.0
North Reference	True	User	Precain
Scale	0.999958	Report Generated	21/May/2014 at 10:12
Convergence at slot	n/a	Database/Source file	WellArchitectDB/_AGGREGATE_STATE_13C-16HZ_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-771.41	-3053.14	3199659.62	1298992.63	40°09'06.919"N	104°47'08.599"W
Facility Reference Pt			3202706.22	1299788.95	40°09'14.544"N	104°46'29.280"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 20 (16'KB) (RKB) to Facility Vertical Datum	4920.00ft
Horizontal Reference Pt	Slot	XTREME 20 (16'KB) (RKB) to Mean Sea Level	4920.00ft
Vertical Reference Pt	XTREME 20 (16'KB) (RKB)	XTREME 20 (16'KB) (RKB) to Mud Line at Slot (SLOT#09 AGGREGATE STATE 13C-16HZ (2389'FSL & 1669'FWL, SEC.09))	4920.00ft
MD Reference Pt	XTREME 20 (16'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	180.09°

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#09 AGGREGATE STATE 13C-16HZ (2389'FSL & 1669'FWL, SEC.09)
Area	COLORADO	Well	AGGREGATE STATE 13C-16HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	AGGREGATE STATE 13C-16HZ AWB
Facility	SEC.09-T2N-R66W		

WELLPATH DATA (168 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	237.800	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	237.800	16.00	0.00	0.00	0.00	0.00	Tie-On
116.00	0.300	237.800	116.00	0.14	-0.14	-0.22	0.30	Begin GYRO Surveys
216.00	0.320	232.420	216.00	0.45	-0.45	-0.66	0.04	
316.00	0.640	160.080	316.00	1.15	-1.14	-0.70	0.62	
416.00	0.550	163.120	415.99	2.13	-2.13	-0.37	0.10	
516.00	0.590	139.690	515.98	2.98	-2.98	0.11	0.23	
616.00	0.760	142.580	615.98	3.90	-3.90	0.84	0.17	
716.00	0.520	114.250	715.97	4.61	-4.61	1.66	0.39	
816.00	0.300	38.740	815.97	4.59	-4.60	2.24	0.53	
916.00	0.450	279.400	915.97	4.32	-4.33	2.01	0.65	
943.00	0.440	261.750	942.97	4.32	-4.32	1.81	0.51	Tie-Into GYRO Surveys
1085.00	0.400	331.940	1084.96	3.96	-3.97	1.03	0.34	Begin BHI MWD+IFR Surveys
1178.00	0.350	342.390	1177.96	3.41	-3.41	0.79	0.09	
1271.00	1.350	310.830	1270.95	2.42	-2.42	-0.12	1.15	
1366.00	4.320	301.400	1365.83	-0.17	0.18	-4.02	3.15	
1459.00	4.880	292.140	1458.53	-3.47	3.49	-10.68	1.00	
1555.00	6.070	292.230	1554.09	-6.92	6.95	-19.16	1.24	
1646.00	7.770	292.080	1644.42	-11.04	11.08	-29.31	1.87	
1738.00	8.580	286.080	1735.49	-15.26	15.32	-41.67	1.28	
1829.00	9.660	285.430	1825.34	-19.15	19.23	-55.55	1.19	
1922.00	11.780	283.990	1916.71	-23.50	23.60	-72.29	2.30	
2013.00	13.480	279.640	2005.50	-27.49	27.63	-91.76	2.14	
2105.00	15.300	279.910	2094.61	-31.34	31.51	-114.29	1.98	
2197.00	16.900	281.620	2183.00	-36.08	36.29	-139.35	1.81	
2288.00	16.090	281.030	2270.26	-41.12	41.37	-164.68	0.91	
2380.00	17.330	282.330	2358.37	-46.45	46.74	-190.58	1.41	
2471.00	16.480	281.510	2445.44	-51.88	52.21	-216.47	0.97	
2563.00	16.520	281.950	2533.65	-57.15	57.52	-242.05	0.14	
2655.00	16.440	284.510	2621.87	-63.08	63.49	-267.45	0.79	
2747.00	17.450	283.840	2709.88	-69.61	70.05	-293.45	1.12	
2838.00	17.160	283.470	2796.76	-75.96	76.44	-319.75	0.34	
2930.00	16.700	283.410	2884.77	-82.14	82.67	-345.81	0.50	
3021.00	17.470	284.240	2971.75	-88.50	89.06	-371.77	0.89	
3112.00	16.970	283.910	3058.67	-95.01	95.61	-397.90	0.56	
3204.00	15.620	282.690	3146.98	-100.92	101.56	-423.02	1.51	
3296.00	16.410	282.980	3235.40	-106.52	107.20	-447.76	0.86	
3388.00	16.520	284.300	3323.63	-112.63	113.35	-473.10	0.42	
3480.00	16.360	279.950	3411.87	-118.06	118.82	-498.54	1.35	
3572.00	16.180	278.650	3500.19	-122.19	122.99	-523.97	0.44	
3657.00	16.360	280.470	3581.79	-126.11	126.95	-547.45	0.64	
3742.00	16.770	283.310	3663.26	-131.08	131.94	-571.16	1.07	
3827.00	15.690	285.190	3744.87	-136.88	137.78	-594.19	1.41	
3912.00	15.460	289.620	3826.75	-143.66	144.59	-615.95	1.42	
3997.00	14.410	288.860	3908.88	-150.85	151.82	-636.63	1.26	

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#09 AGGREGATE STATE 13C-16HZ (2389'FSL & 1669'FWL, SEC.09)
Area	COLORADO	Well	AGGREGATE STATE 13C-16HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	AGGREGATE STATE 13C-16HZ AWB
Facility	SEC.09-T2N-R66W		

WELLPATH DATA (168 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4083.00	12.780	285.450	3992.47	-156.81	157.81	-655.93	2.11	
4168.00	12.260	286.510	4075.45	-161.86	162.88	-673.64	0.67	
4253.00	10.830	282.970	4158.73	-166.19	167.24	-690.08	1.88	
4339.00	8.460	279.550	4243.51	-169.03	170.10	-704.19	2.83	
4423.00	7.130	286.270	4326.73	-171.50	172.59	-715.29	1.92	
4508.00	4.290	279.370	4411.30	-173.48	174.58	-723.49	3.43	
4593.00	3.770	273.310	4496.09	-174.15	175.26	-729.42	0.79	
4678.00	2.870	292.710	4580.95	-175.13	176.24	-734.17	1.68	
4764.00	1.760	313.290	4666.88	-176.86	177.98	-737.12	1.59	
4849.00	0.410	12.440	4751.86	-178.05	179.17	-738.00	1.87	
4933.00	0.220	119.810	4835.86	-178.27	179.39	-737.80	0.62	
5189.00	0.380	114.740	5091.86	-177.67	178.79	-736.60	0.06	
5444.00	0.570	108.790	5346.85	-176.91	178.02	-734.63	0.08	
5699.00	0.780	117.450	5601.83	-175.70	176.82	-731.89	0.09	
5955.00	0.440	115.590	5857.82	-174.48	175.59	-729.46	0.13	
6210.00	0.410	54.590	6112.81	-174.59	175.69	-727.83	0.17	
6465.00	1.260	261.570	6367.80	-174.70	175.81	-729.86	0.64	
6635.00	1.170	231.020	6537.76	-173.33	174.45	-733.06	0.38	
6720.00	1.280	218.950	6622.74	-172.05	173.16	-734.33	0.33	
6805.00	0.920	236.690	6707.72	-170.93	172.05	-735.50	0.58	
6848.00	1.260	247.270	6750.72	-170.56	171.68	-736.22	0.92	
6890.00	3.620	199.950	6792.68	-169.13	170.25	-737.10	6.94	
6933.00	8.150	186.550	6835.44	-164.82	165.94	-737.91	10.94	
6975.00	12.050	191.450	6876.78	-157.56	158.69	-739.12	9.50	
7018.00	16.890	190.230	6918.41	-147.01	148.13	-741.12	11.28	
7060.00	21.140	186.520	6958.11	-133.47	134.60	-743.07	10.52	
7103.00	24.690	186.420	6997.71	-116.83	117.97	-744.95	8.26	
7145.00	28.940	185.140	7035.18	-97.99	99.12	-746.85	10.21	
7188.00	31.110	183.330	7072.41	-76.53	77.66	-748.42	5.47	
7230.00	35.570	180.880	7107.49	-53.47	54.61	-749.24	11.09	
7273.00	37.000	177.120	7142.16	-28.04	29.17	-748.78	6.15	
7316.00	41.520	176.470	7175.44	-0.88	2.01	-747.26	10.55	
7359.00	44.830	175.800	7206.80	28.47	-27.34	-745.27	7.77	
7401.00	49.360	177.330	7235.39	59.17	-58.04	-743.44	11.11	
7444.00	52.140	178.340	7262.59	92.44	-91.31	-742.19	6.72	
7486.00	57.120	180.430	7286.90	126.67	-125.54	-741.84	12.53	
7529.00	59.870	179.580	7309.36	163.33	-162.20	-741.84	6.61	
7571.00	65.420	178.870	7328.66	200.61	-199.49	-741.33	13.30	
7614.00	67.860	177.700	7345.70	240.06	-238.94	-740.14	6.20	
7657.00	70.510	178.600	7360.98	280.23	-279.11	-738.85	6.47	
7700.00	74.160	179.750	7374.03	321.19	-320.07	-738.26	8.86	
7741.00	79.690	179.700	7383.30	361.11	-359.99	-738.07	13.49	
7789.00	85.000	179.050	7389.69	408.66	-407.54	-737.55	11.14	
7825.00†	88.327	179.765	7391.79	444.59	-443.47	-737.18	9.45	7" Casing Point
7847.00	90.360	180.200	7392.04	466.59	-465.47	-737.17	9.45	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#09 AGGREGATE STATE 13C-16HZ (2389'FSL & 1669'FWL, SEC.09)
Area	COLORADO	Well	AGGREGATE STATE 13C-16HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	AGGREGATE STATE 13C-16HZ AWP
Facility	SEC.09-T2N-R66W		

WELLPATH DATA (168 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
7939.00	90.860	180.460	7391.06	558.58	-557.46	-737.70	0.61	
8031.00	91.630	180.580	7389.06	650.56	-649.44	-738.54	0.85	
8122.00	91.660	180.260	7386.45	741.52	-740.40	-739.20	0.35	
8214.00	90.800	180.090	7384.48	833.50	-832.37	-739.49	0.95	
8305.00	90.150	180.370	7383.72	924.49	-923.37	-739.85	0.78	
8397.00	90.210	179.540	7383.43	1016.49	-1015.37	-739.78	0.90	
8489.00	89.190	179.570	7383.91	1108.48	-1107.36	-739.06	1.11	
8581.00	90.700	179.850	7384.00	1200.48	-1199.36	-738.60	1.67	
8672.00	90.730	179.350	7382.87	1291.47	-1290.35	-737.96	0.55	
8764.00	89.100	178.330	7383.00	1383.44	-1382.33	-736.10	2.09	
8856.00	89.410	178.820	7384.20	1475.40	-1474.29	-733.81	0.63	
8947.00	90.120	178.880	7384.57	1566.38	-1565.27	-731.99	0.78	
9039.00	90.360	178.790	7384.19	1658.36	-1657.25	-730.12	0.28	
9131.00	88.790	178.980	7384.87	1750.33	-1749.23	-728.33	1.72	
9222.00	89.160	179.920	7386.50	1841.31	-1840.21	-727.45	1.11	
9314.00	89.630	180.600	7387.47	1933.30	-1932.20	-727.87	0.90	
9406.00	89.530	181.220	7388.14	2025.29	-2024.19	-729.33	0.68	
9497.00	89.320	181.160	7389.06	2116.27	-2115.16	-731.22	0.24	
9589.00	88.610	180.580	7390.72	2208.25	-2207.14	-732.62	1.00	
9680.00	90.740	180.820	7391.23	2299.23	-2298.12	-733.73	2.36	
9772.00	89.810	180.710	7390.79	2391.22	-2390.11	-734.96	1.02	
9863.00	90.210	179.780	7390.78	2482.22	-2481.11	-735.35	1.11	
9955.00	89.720	180.200	7390.83	2574.22	-2573.11	-735.33	0.70	
10047.00	89.410	179.930	7391.53	2666.22	-2665.11	-735.44	0.45	
10139.00	88.610	179.520	7393.12	2758.20	-2757.09	-734.99	0.98	
10231.00	90.150	180.170	7394.12	2850.19	-2849.08	-734.74	1.82	
10316.00	89.810	179.330	7394.15	2935.19	-2934.08	-734.37	1.07	
10401.00	89.320	179.440	7394.79	3020.18	-3019.07	-733.46	0.59	
10486.00	89.960	179.340	7395.33	3105.17	-3104.06	-732.56	0.76	
10571.00	90.670	179.100	7394.86	3190.16	-3189.06	-731.40	0.88	
10656.00	90.300	179.660	7394.14	3275.15	-3274.05	-730.48	0.79	
10741.00	89.870	178.850	7394.01	3360.14	-3359.04	-729.37	1.08	
10826.00	89.290	179.470	7394.64	3445.13	-3444.03	-728.13	1.00	
10911.00	89.660	179.400	7395.41	3530.12	-3529.02	-727.29	0.44	
10996.00	90.330	178.620	7395.42	3615.10	-3614.00	-725.82	1.21	
11080.00	90.240	180.500	7395.00	3699.09	-3698.00	-725.18	2.24	
11165.00	90.670	180.920	7394.33	3784.09	-3782.99	-726.23	0.71	
11251.00	90.860	181.160	7393.18	3870.07	-3868.97	-727.79	0.36	
11336.00	90.610	181.640	7392.09	3955.04	-3953.93	-729.87	0.64	
11421.00	90.090	180.130	7391.57	4040.02	-4038.92	-731.18	1.88	
11506.00	90.430	180.860	7391.19	4125.02	-4123.91	-731.91	0.95	
11591.00	89.870	180.300	7390.96	4210.02	-4208.91	-732.78	0.93	
11677.00	89.630	180.910	7391.34	4296.01	-4294.90	-733.68	0.76	
11762.00	89.380	181.140	7392.07	4381.00	-4379.89	-735.20	0.40	
11847.00	88.920	181.170	7393.33	4465.97	-4464.86	-736.92	0.54	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#09 AGGREGATE STATE 13C-16HZ (2389'FSL & 1669'FWL, SEC.09)
Area	COLORADO	Well	AGGREGATE STATE 13C-16HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	AGGREGATE STATE 13C-16HZ AWP
Facility	SEC.09-T2N-R66W		

WELLPATH DATA (168 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
11932.00	89.690	180.890	7394.36	4550.95	-4549.84	-738.44	0.96	
12017.00	90.760	180.300	7394.03	4635.95	-4634.83	-739.33	1.44	
12102.00	89.720	180.620	7393.67	4720.94	-4719.83	-740.01	1.28	
12187.00	89.190	180.670	7394.48	4805.94	-4804.82	-740.97	0.63	
12272.00	89.900	180.720	7395.16	4890.93	-4889.81	-742.00	0.84	
12358.00	90.860	180.940	7394.59	4976.92	-4975.80	-743.24	1.15	
12443.00	90.180	180.330	7393.82	5061.91	-5060.79	-744.19	1.07	
12528.00	89.930	180.460	7393.73	5146.91	-5145.78	-744.77	0.33	
12613.00	88.890	179.930	7394.61	5231.90	-5230.78	-745.06	1.37	
12698.00	88.760	179.870	7396.35	5316.88	-5315.76	-744.91	0.17	
12783.00	88.670	179.980	7398.26	5401.86	-5400.74	-744.80	0.17	
12868.00	89.040	179.970	7399.96	5486.85	-5485.72	-744.76	0.44	
12953.00	91.600	180.050	7399.48	5571.84	-5570.71	-744.78	3.01	
13038.00	90.670	180.030	7397.80	5656.82	-5655.69	-744.84	1.09	
13123.00	88.550	179.900	7398.38	5741.81	-5740.69	-744.79	2.50	
13208.00	88.670	179.860	7400.44	5826.79	-5825.66	-744.61	0.15	
13293.00	88.730	180.100	7402.37	5911.76	-5910.64	-744.58	0.29	
13378.00	87.470	180.550	7405.19	5996.71	-5995.59	-745.06	1.57	
13463.00	89.660	180.680	7407.32	6081.68	-6080.55	-745.97	2.58	
13549.00	89.870	181.110	7407.67	6167.67	-6166.54	-747.32	0.56	
13634.00	88.520	180.250	7408.86	6252.65	-6251.53	-748.32	1.88	
13719.00	89.930	180.310	7410.01	6337.64	-6336.51	-748.74	1.66	
13804.00	87.160	180.620	7412.17	6422.61	-6421.48	-749.43	3.28	
13889.00	86.170	180.240	7417.11	6507.46	-6506.33	-750.07	1.25	
13974.00	86.540	180.740	7422.52	6592.28	-6591.15	-750.79	0.73	
14059.00	88.150	180.380	7426.46	6677.19	-6676.05	-751.62	1.94	
14145.00	89.100	180.780	7428.52	6763.16	-6762.02	-752.49	1.20	
14230.00	89.160	180.980	7429.81	6848.14	-6847.00	-753.80	0.25	
14315.00	88.210	180.480	7431.76	6933.11	-6931.97	-754.88	1.26	
14400.00	88.760	180.490	7434.01	7018.08	-7016.94	-755.60	0.65	
14486.00	88.700	179.800	7435.91	7104.06	-7102.92	-755.82	0.81	
14513.00	88.090	179.290	7436.67	7131.05	-7129.91	-755.60	2.94	Last BHI MWD+IFR Surveys
14569.00	88.090	179.290	7438.54	7187.01	-7185.87	-754.91	0.00	Projection to Bit

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#09 AGGREGATE STATE 13C-16HZ (2389'FSL & 1669'FWL, SEC.09)
Area	COLORADO	Well	AGGREGATE STATE 13C-16HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	AGGREGATE STATE 13C-16HZ AWB
Facility	SEC.09-T2N-R66W		

HOLE & CASING SECTIONS - Ref Wellbore: AGGREGATE STATE 13C-16HZ AWB Ref Wellpath: AGGREGATE STATE 13C-16HZ 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	1047.00	1031.00	16.00	1046.97	0.00	0.00	-4.16	1.18
9.625in Casing Surface	16.00	1042.00	1026.00	16.00	1041.97	0.00	0.00	-4.18	1.20
8.75in Open Hole	1047.00	7836.00	6789.00	1046.97	7392.01	-4.16	1.18	-454.47	-737.16
7in Casing Intermediate	16.00	7825.00	7809.00	16.00	7391.79	0.00	0.00	-443.47	-737.18
6.125in Open Hole	16.00	16.00	0.00	16.00	16.00	0.00	0.00	0.00	0.00

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.09-T2N-R66W SECTION LINES		-7.00	0.41	413.72	3200073.31	1298996.37	40°09'06.923"N	104°47'03.271"W	polygon
SEC.16-T2N-R66W SECTION LINES		-7.00	0.41	413.72	3200073.31	1298996.37	40°09'06.923"N	104°47'03.271"W	polygon
SEC.09-T2N-R66W HARD LINES (460' SETBACKS)		0.00	0.00	-29.90	3199629.73	1298992.39	40°09'06.919"N	104°47'08.984"W	polygon
AGGREGATE STATE 13C-16HZ BHL (460'FSL & 930'FWL, SEC.16) REV-3		7400.00	-7211.21	-748.37	3198969.39	1291775.95	40°07'55.657"N	104°47'18.234"W	point
AGGREGATE STATE 13C-16HZ BHL (460'FSL & 930'FWL, SEC.16) REV-2		7425.00	-7211.21	-748.37	3198969.39	1291775.95	40°07'55.657"N	104°47'18.234"W	point
AGGREGATE STATE 13C-16HZ BHL ON PLAT (460'FSL & 960'FWL, SEC.16) REV-1		7425.00	-7211.21	-718.37	3198999.40	1291776.19	40°07'55.657"N	104°47'17.848"W	point
AGGREGATE STATE 13C-16HZ LANDBOX		7425.00	0.00	0.00	3199659.62	1298992.63	40°09'06.919"N	104°47'08.599"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: AGGREGATE STATE 13C-16HZ AWB Ref Wellpath: AGGREGATE STATE 13C-16HZ AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	943.00	Generic gyro - continuous (Standard)	MS ENERGY SERVICES GYRO SURVEYS <116-943>	AGGREGATE STATE 13C-16HZ AWB
943.00	7789.00	NaviTrak (MAGCORR,IFR)	BHI MWD+IFR SURVEYS 8 3/4" HOLE <1085-7789>	AGGREGATE STATE 13C-16HZ AWB
7789.00	14513.00	NaviTrak (MAGCORR,IFR)	BHI MWD+IFR SURVEY 6 1/8" HOLE <7847-14153>	AGGREGATE STATE 13C-16HZ AWB
14513.00	14569.00	Blind Drilling (std)	Projection to bit	AGGREGATE STATE 13C-16HZ AWB

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#09 AGGREGATE STATE 13C-16HZ (2389'FSL & 1669'FWL, SEC.09)
Area	COLORADO	Well	AGGREGATE STATE 13C-16HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	AGGREGATE STATE 13C-16HZ AWB
Facility	SEC.09-T2N-R66W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
16.00	0.000	237.800	16.00	Tie-On
116.00	0.300	237.800	116.00	Begin GYRO Surveys
943.00	0.440	261.750	942.97	Tie-Into GYRO Surveys
1085.00	0.400	331.940	1084.96	Begin BHI MWD+IFR Surveys
7825.00	88.327	179.765	7391.79	7" Casing Point
14513.00	88.090	179.290	7436.67	Last BHI MWD+IFR Surveys
14569.00	88.090	179.290	7438.54	Projection to Bit