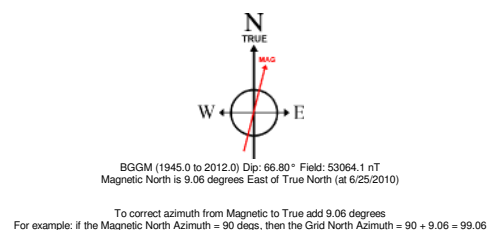
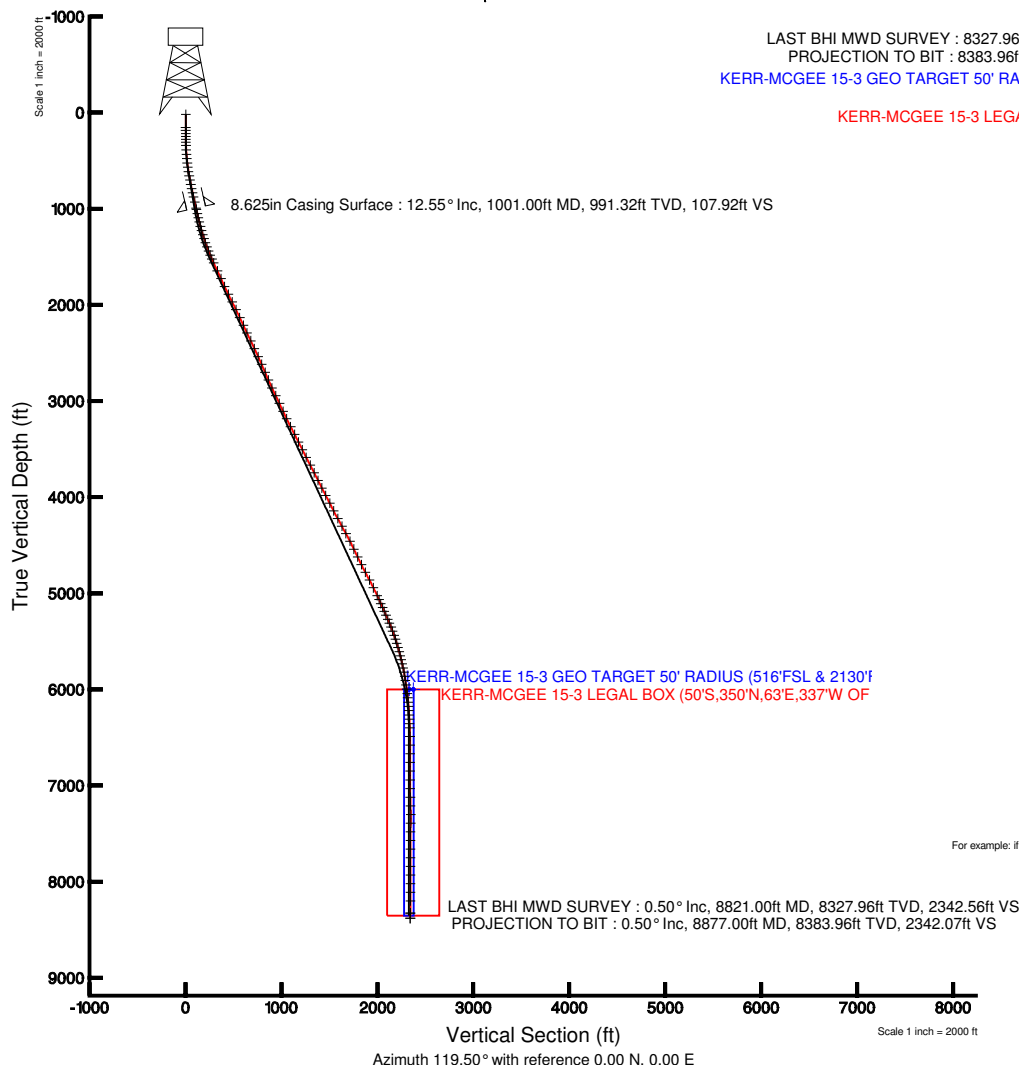
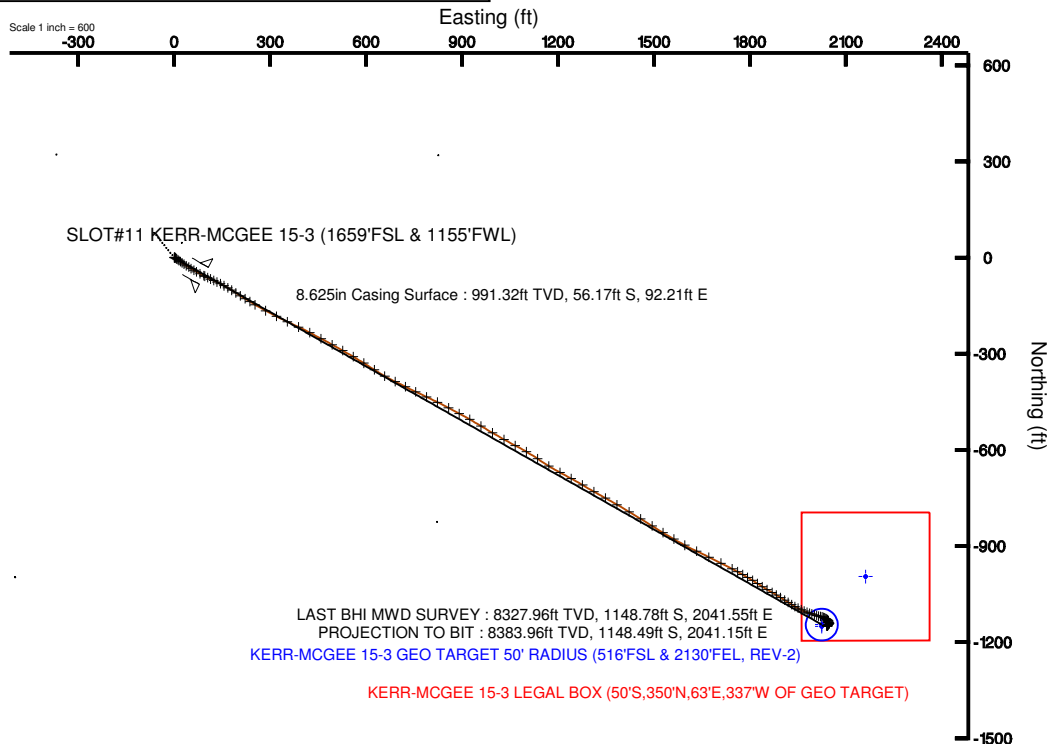


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#11 KERR-MCGEE 15-3 (1659'FSL & 1155'FWL)
 Field: WELD COUNTY (KERR MCGEE) Well: KERR-MCGEE 15-3
 Facility: SEC.03-T1N-R68W Wellbore: KERR-MCGEE 15-3 PWB



Plot reference wellpath is KERR-MCGEE 15-3 (REV-A.0) PWP	
True vertical depths are referenced to XTREME 8 (RT)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 8 (RT)	North Reference: True north
XTREME 8 (RT) to Mean Sea Level: 5059 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.03-T1N-R68W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: bensjacj on 8/18/2010





Actual Wellpath Report

KERR-MCGEE 15-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#11 KERR-MCGEE 15-3 (1659'FSL & 1155'FWL)
Area	COLORADO	Well	KERR-MCGEE 15-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 15-3 AWB
Facility	SEC.03-T1N-R68W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet	Software System	WellArchitect® 2.0
North Reference	True	User	Bensjacj
Scale	0.999961	Report Generated	8/18/2010 at 2:32:03 PM
Convergence at slot	0.33° East	Database/Source file	WA_Denver/KERR-MCGEE_15-3_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-47.36	-22.95	3141368.47	1271510.01	40°04'39.288"N	104°59'41.323"W
Facility Reference Pt			3141391.14	1271557.49	40°04'39.756"N	104°59'41.028"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 8 (RT) to Facility Vertical Datum	5059.00ft
Horizontal Reference Pt	Slot	XTREME 8 (RT) to Mean Sea Level	5059.00ft
Vertical Reference Pt	XTREME 8 (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 8 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	119.50°



Actual Wellpath Report

KERR-MCGEE 15-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#11 KERR-MCGEE 15-3 (1659'FSL & 1155'FWL)
Area	COLORADO	Well	KERR-MCGEE 15-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 15-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (133 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	24.500	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	24.500	17.00	0.00	0.00	0.00	0.00	
152.00	0.600	24.500	152.00	-0.06	0.64	0.29	0.44	
183.00	0.500	31.900	183.00	-0.07	0.91	0.43	0.40	
214.00	0.500	73.000	214.00	0.03	1.06	0.63	1.13	
245.00	0.700	85.000	244.99	0.28	1.12	0.95	0.76	
276.00	1.300	119.000	275.99	0.79	0.96	1.45	2.64	
307.00	2.000	127.900	306.98	1.67	0.46	2.18	2.40	
338.00	2.400	123.300	337.95	2.86	-0.23	3.15	1.41	
386.00	3.300	126.100	385.89	5.23	-1.60	5.11	1.90	
431.00	4.400	129.700	430.79	8.22	-3.46	7.48	2.50	
477.00	5.400	126.100	476.62	12.10	-5.86	10.59	2.27	
521.00	6.300	127.200	520.39	16.55	-8.54	14.18	2.06	
566.00	7.900	125.800	565.05	22.07	-11.84	18.66	3.58	
612.00	9.100	126.500	610.54	28.83	-15.86	24.15	2.62	
657.00	10.300	123.700	654.90	36.37	-20.21	30.36	2.86	
702.00	10.700	121.900	699.14	44.56	-24.65	37.25	1.15	
748.00	11.100	120.200	744.31	53.25	-29.13	44.70	1.12	
793.00	11.900	120.200	788.41	62.22	-33.64	52.46	1.78	
838.00	12.500	121.600	832.39	71.73	-38.53	60.61	1.49	
883.00	13.200	120.200	876.27	81.73	-43.67	69.20	1.70	
938.00	12.800	118.400	929.86	94.10	-49.72	79.99	1.03	
1014.00	12.500	117.000	1004.01	110.74	-57.46	94.72	0.56	
1059.00	13.500	115.200	1047.86	120.84	-61.91	103.81	2.40	
1104.00	13.800	114.800	1091.59	131.43	-66.40	113.44	0.70	
1150.00	13.800	115.200	1136.26	142.37	-71.03	123.38	0.21	
1195.00	14.600	116.600	1179.88	153.38	-75.86	133.31	1.93	
1240.00	15.700	117.700	1223.32	165.13	-81.23	143.77	2.53	
1285.00	17.000	119.500	1266.50	177.80	-87.30	154.89	3.10	
1330.00	18.200	119.100	1309.39	191.40	-93.95	166.76	2.68	
1375.00	19.200	121.900	1352.02	205.82	-101.28	179.18	2.99	
1421.00	20.800	123.000	1395.24	221.53	-109.73	192.45	3.57	
1466.00	22.100	123.000	1437.12	237.96	-118.69	206.25	2.89	
1512.00	22.800	120.900	1479.64	255.51	-127.98	221.16	2.31	
1557.00	23.600	121.200	1521.00	273.23	-137.13	236.35	1.80	
1602.00	24.700	120.200	1562.06	291.63	-146.52	252.18	2.61	
1693.00	25.300	118.400	1644.53	330.09	-165.33	285.71	1.06	
1782.00	25.000	117.000	1725.10	367.89	-182.92	319.20	0.75	
1872.00	25.100	115.200	1806.63	405.93	-199.68	353.42	0.85	
1963.00	25.800	115.200	1888.80	444.92	-216.33	388.80	0.77	
2052.00	26.500	118.000	1968.69	484.08	-233.90	423.86	1.59	
2141.00	26.600	118.000	2048.31	523.85	-252.57	458.98	0.11	
2232.00	25.000	118.800	2130.24	563.45	-271.40	493.82	1.80	
2321.00	25.000	120.200	2210.90	601.06	-289.92	526.56	0.66	
2410.00	25.600	120.200	2291.36	639.09	-309.06	559.43	0.67	



Actual Wellpath Report

KERR-MCGEE 15-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#11 KERR-MCGEE 15-3 (1659'FSL & 1155'FWL)
Area	COLORADO	Well	KERR-MCGEE 15-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 15-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (133 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2500.00	25.600	122.200	2372.53	677.96	-329.20	592.69	0.96	
2590.00	25.400	122.300	2453.76	716.66	-349.87	625.46	0.23	
2681.00	24.300	120.200	2536.33	754.88	-369.72	658.14	1.55	
2771.00	24.000	115.200	2618.47	791.65	-386.83	690.71	2.30	
2860.00	23.400	117.000	2699.96	827.35	-402.56	722.83	1.06	
2949.00	24.200	116.000	2781.39	863.22	-418.58	754.98	1.01	
3038.00	25.000	114.900	2862.31	900.17	-434.50	788.43	1.04	
3128.00	25.800	116.300	2943.61	938.69	-451.18	823.24	1.11	
3218.00	24.800	117.700	3024.98	977.11	-468.64	857.51	1.29	
3307.00	25.400	118.400	3105.58	1014.85	-486.39	890.83	0.75	
3395.00	26.100	119.800	3184.84	1053.08	-504.99	924.23	1.05	
3486.00	27.300	121.200	3266.13	1093.95	-525.75	959.45	1.49	
3576.00	27.300	119.800	3346.11	1135.22	-546.70	995.02	0.71	
3667.00	27.200	119.800	3427.01	1176.89	-567.40	1031.17	0.11	
3756.00	25.900	117.700	3506.63	1216.66	-586.55	1066.04	1.80	
3845.00	27.200	119.800	3586.24	1256.43	-605.69	1100.90	1.80	
3935.00	27.600	123.700	3666.15	1297.80	-627.49	1136.10	2.04	
4025.00	27.600	122.300	3745.91	1339.41	-650.19	1171.06	0.72	
4114.00	26.500	118.400	3825.18	1379.86	-670.66	1205.96	2.34	
4203.00	27.300	118.000	3904.55	1420.12	-689.68	1241.45	0.92	
4292.00	27.100	120.900	3983.71	1460.79	-709.68	1276.86	1.51	
4382.00	27.400	119.500	4063.72	1501.99	-730.40	1312.48	0.79	
4472.00	26.900	119.100	4143.81	1543.06	-750.50	1348.29	0.59	
4562.00	28.700	119.800	4223.41	1585.03	-771.14	1384.84	2.03	
4652.00	28.900	121.200	4302.28	1628.38	-793.15	1422.19	0.78	
4741.00	28.700	121.900	4380.27	1671.23	-815.58	1458.73	0.44	
4831.00	27.000	121.900	4459.85	1713.23	-837.80	1494.42	1.89	
4921.00	25.300	120.900	4540.63	1752.87	-858.47	1528.27	1.95	
5012.00	26.200	120.500	4622.60	1792.40	-878.66	1562.27	1.01	
5101.00	26.300	118.000	4702.42	1831.75	-897.88	1596.61	1.25	
5192.00	28.300	115.000	4783.28	1873.42	-916.47	1633.96	2.67	
5282.00	28.300	117.000	4862.53	1916.00	-935.17	1672.31	1.05	
5373.00	26.500	116.300	4943.32	1957.83	-953.96	1709.73	2.01	
5463.00	24.800	117.300	5024.44	1996.74	-971.51	1744.51	1.95	
5509.00	24.500	118.400	5066.25	2015.91	-980.48	1761.47	1.19	
5554.00	24.100	119.100	5107.27	2034.43	-989.38	1777.70	1.10	
5599.00	23.400	120.000	5148.45	2052.55	-998.32	1793.47	1.75	
5643.00	23.800	122.600	5188.78	2070.16	-1007.47	1808.52	2.53	
5688.00	24.300	123.300	5229.87	2088.46	-1017.45	1823.91	1.28	
5733.00	24.000	120.900	5270.93	2106.85	-1027.23	1839.50	2.28	
5776.00	23.200	120.500	5310.34	2124.06	-1036.02	1854.30	1.90	
5822.00	22.200	120.500	5352.77	2141.81	-1045.03	1869.59	2.17	
5867.00	20.200	121.200	5394.72	2158.08	-1053.37	1883.57	4.48	
5912.00	19.300	121.900	5437.08	2173.27	-1061.32	1896.53	2.07	
5957.00	18.200	122.600	5479.69	2187.72	-1069.04	1908.76	2.50	



Actual Wellpath Report

KERR-MCGEE 15-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#11 KERR-MCGEE 15-3 (1659'FSL & 1155'FWL)
Area	COLORADO	Well	KERR-MCGEE 15-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 15-3 AWP
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (133 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
6001.00	16.900	122.400	5521.64	2200.97	-1076.17	1919.95	2.96	
6046.00	16.100	122.300	5564.79	2213.73	-1083.01	1930.75	1.78	
6091.00	15.400	119.800	5608.10	2225.94	-1089.31	1941.21	2.17	
6135.00	14.700	117.000	5650.59	2237.36	-1094.75	1951.25	2.29	
6178.00	13.900	114.200	5692.25	2247.96	-1099.34	1960.82	2.46	
6223.00	12.700	114.900	5736.05	2258.27	-1103.64	1970.24	2.69	
6267.00	11.700	110.300	5779.05	2267.49	-1107.23	1978.81	3.17	
6310.00	11.000	108.600	5821.21	2275.83	-1110.05	1986.79	1.80	
6354.00	10.500	108.200	5864.44	2283.88	-1112.64	1994.58	1.15	
6399.00	9.900	106.400	5908.73	2291.67	-1115.01	2002.18	1.51	
6444.00	8.800	106.400	5953.13	2298.79	-1117.08	2009.19	2.44	
6489.00	8.000	106.800	5997.65	2305.20	-1118.95	2015.49	1.78	
6535.00	6.700	103.600	6043.27	2310.90	-1120.51	2021.17	2.96	
6580.00	5.800	105.400	6088.00	2315.63	-1121.73	2025.91	2.05	
6625.00	5.100	115.200	6132.80	2319.83	-1123.19	2029.91	2.58	
6670.00	4.700	116.300	6177.63	2323.67	-1124.85	2033.38	0.91	
6714.00	4.000	117.700	6221.51	2327.00	-1126.37	2036.35	1.61	
6759.00	3.600	120.900	6266.41	2329.98	-1127.82	2038.95	1.01	
6804.00	3.200	127.500	6311.33	2332.64	-1129.31	2041.16	1.24	
6849.00	2.500	136.700	6356.27	2334.82	-1130.79	2042.83	1.85	
6894.00	1.900	129.300	6401.24	2336.49	-1131.98	2044.08	1.47	
6984.00	1.500	140.500	6491.20	2339.06	-1133.83	2045.99	0.58	
7073.00	1.300	193.600	6580.18	2340.42	-1135.71	2046.49	1.42	
7163.00	0.900	188.000	6670.16	2340.96	-1137.40	2046.15	0.46	
7254.00	0.300	135.600	6761.16	2341.45	-1138.28	2046.22	0.83	
7344.00	1.100	223.500	6851.15	2341.47	-1139.08	2045.79	1.26	
7435.00	0.200	299.800	6942.14	2341.10	-1139.63	2045.05	1.18	
7525.00	1.000	50.200	7032.14	2341.22	-1139.05	2045.52	1.21	
7616.00	1.200	118.800	7123.13	2342.46	-1139.00	2046.96	1.37	
7706.00	1.900	139.500	7213.09	2344.80	-1140.59	2048.76	0.98	
7796.00	1.100	214.400	7303.07	2346.13	-1142.44	2049.24	2.15	
7887.00	1.400	227.400	7394.05	2345.71	-1143.91	2047.92	0.45	
7975.00	1.400	221.800	7482.02	2345.15	-1145.44	2046.42	0.16	
8066.00	1.000	226.300	7573.00	2344.69	-1146.82	2045.10	0.45	
8156.00	1.200	227.000	7662.98	2344.18	-1148.00	2043.84	0.22	
8247.00	0.440	185.900	7753.97	2344.03	-1149.00	2043.11	1.01	
8336.00	0.300	190.800	7842.97	2344.24	-1149.57	2043.03	0.16	
8426.00	0.200	219.700	7932.97	2344.29	-1149.92	2042.89	0.18	
8516.00	0.100	200.700	8022.97	2344.27	-1150.12	2042.76	0.12	
8606.00	0.200	242.900	8112.97	2344.20	-1150.26	2042.59	0.16	
8696.00	0.700	339.000	8202.97	2343.69	-1149.82	2042.26	0.83	
8821.00	0.500	306.800	8327.96	2342.56	-1148.78	2041.55	0.31	LAST BHI MWD SURVEY
8877.00	0.500	306.800	8383.96	2342.07	-1148.49	2041.15	0.00	PROJECTION TO BIT



Actual Wellpath Report

KERR-MCGEE 15-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#11 KERR-MCGEE 15-3 (1659'FSL & 1155'FWL)
Area	COLORADO	Well	KERR-MCGEE 15-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 15-3 AWB
Facility	SEC.03-T1N-R68W		

HOLE & CASING SECTIONS Ref Wellbore: KERR-MCGEE 15-3 AWB Ref Wellpath: KERR-MCGEE 15-3 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]
12.25in Open Hole	17.00	1001.00	984.00	17.00	991.32	0.00	0.00	-56.17	92.21
8.625in Casing Surface	17.00	1001.00	984.00	17.00	991.32	0.00	0.00	-56.17	92.21
7.875in Open Hole	1001.00	8877.00	7876.00	991.32	8383.96	-56.17	92.21	-1148.49	2041.15

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
KERR-MCGEE 15-3 BHL ON PLAT (510'FSL & 2130'FEL, REV-1)		6000.00	-1151.81	2025.34	3143400.25	1270369.80	40°04'27.905"N	104°59'15.270"W	point
KERR-MCGEE 15-3 GEO TARGET 50' RADIUS (516'FSL & 2130'FEL, REV-2)		6000.00	-1145.81	2025.34	3143400.22	1270375.80	40°04'27.964"N	104°59'15.270"W	circle
KERR-MCGEE 15-3 LEGAL BOX (50'S,350'N,63'E,337'W OF GEO TARGET)		6000.00	-995.81	2162.34	3143536.36	1270526.57	40°04'29.446"N	104°59'13.508"W	square

WELLPATH COMPOSITION Ref Wellbore: KERR-MCGEE 15-3 AWB Ref Wellpath: KERR-MCGEE 15-3 AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	8821.00	NaviTrak (Standard)	BHI MWD SURVEYS <152-8821>	KERR-MCGEE 15-3 AWB
8821.00	8877.00	Blind Drilling (std)	Projection to bit	KERR-MCGEE 15-3 AWB



Actual Wellpath Report

KERR-MCGEE 15-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#11 KERR-MCGEE 15-3 (1659'FSL & 1155'FWL)
Area	COLORADO	Well	KERR-MCGEE 15-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 15-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8821.00	0.500	306.800	8327.96	LAST BHI MWD SURVEY
8877.00	0.500	306.800	8383.96	PROJECTION TO BIT