

To correct azimuth from Magnetic to True add 8.91 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = $90 + 8.91 = 98.91$



Actual Wellpath Report

DRY CREEK 13-35 AWP

Page 1 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 DRY CREEK 13-35 (2011'FSL & 468'FWL)
Area	COLORADO	Well	DRY CREEK 13-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DRY CREEK 13-35 AWB
Facility	SEC.35-T1N-R67W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet	Software System	WellArchitect® 2.0
North Reference	True	User	Cookdanm
Scale	0.999966	Report Generated	2/6/2011 at 9:02:22 PM
Convergence at slot	0.41° East	Database/Source file	Denver Server/DRY_CREEK_13-35_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	3177746.16	1245631.99	40°00'21.240"N	104°51'55.728"W
Facility Reference Pt			3177746.16	1245631.99	40°00'21.240"N	104°51'55.728"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 12 (RKB) to Facility Vertical Datum	5045.00ft
Horizontal Reference Pt	Slot	XTREME 12 (RKB) to Mean Sea Level	5045.00ft
Vertical Reference Pt	XTREME 12 (RKB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 12 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	177.97°



Actual Wellpath Report

DRY CREEK 13-35 AWP

Page 2 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 DRY CREEK 13-35 (2011'FSL & 468'FWL)
Area	COLORADO	Well	DRY CREEK 13-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DRY CREEK 13-35 AWB
Facility	SEC.35-T1N-R67W		

WELLPATH DATA (86 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	116.900	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	116.900	15.00	0.00	0.00	0.00	0.00	
150.00	0.500	116.900	150.00	0.28	-0.27	0.53	0.37	
241.00	1.100	166.400	240.99	1.33	-1.30	1.08	0.95	
333.00	3.200	171.700	332.92	4.75	-4.69	1.66	2.29	
425.00	5.500	168.900	424.65	11.66	-11.56	2.88	2.51	
517.00	6.800	175.900	516.12	21.46	-21.32	4.12	1.63	
607.00	6.900	178.700	605.48	32.19	-32.04	4.62	0.39	
698.00	7.700	172.800	695.74	43.72	-43.56	5.51	1.20	
789.00	8.900	178.000	785.79	56.84	-56.64	6.52	1.55	
880.00	10.600	181.200	875.47	72.23	-72.04	6.59	1.96	
975.00	11.600	183.000	968.69	90.47	-90.32	5.91	1.11	
1061.00	12.300	179.100	1052.83	108.24	-108.11	5.60	1.24	
1145.00	12.000	178.400	1134.95	125.92	-125.79	5.99	0.40	
1221.00	12.400	175.200	1209.23	141.97	-141.82	6.89	1.03	
1312.00	12.500	170.000	1298.09	161.48	-161.25	9.42	1.24	
1403.00	14.000	171.000	1386.67	182.16	-181.82	12.85	1.67	
1494.00	15.000	171.000	1474.77	204.78	-204.33	16.41	1.10	
1585.00	16.400	177.700	1562.38	229.32	-228.80	18.77	2.51	
1676.00	17.800	185.100	1649.36	255.97	-255.49	18.05	2.84	
1766.00	20.300	185.400	1734.43	285.11	-284.74	15.36	2.78	
1857.00	20.500	184.500	1819.72	316.59	-316.34	12.62	0.41	
1948.00	20.000	179.100	1905.10	347.98	-347.79	11.62	2.13	
2039.00	20.800	174.500	1990.40	379.67	-379.44	13.41	1.97	
2129.00	20.300	177.300	2074.68	411.24	-410.94	15.68	1.23	
2220.00	19.100	177.300	2160.35	441.91	-441.58	17.12	1.32	
2311.00	19.300	177.300	2246.29	471.83	-471.47	18.53	0.22	
2402.00	19.500	181.200	2332.12	502.04	-501.68	18.92	1.44	
2493.00	19.300	179.800	2417.96	532.23	-531.90	18.66	0.56	
2584.00	16.800	173.100	2504.48	560.37	-560.01	20.29	3.57	
2674.00	17.000	174.200	2590.60	586.46	-586.01	23.18	0.42	
2765.00	18.700	181.900	2677.22	614.29	-613.83	24.04	3.19	
2856.00	17.300	183.700	2763.77	642.31	-641.91	22.69	1.66	
2947.00	15.500	187.900	2851.07	667.76	-667.46	20.14	2.37	
3038.00	15.900	191.400	2938.67	691.86	-691.73	16.01	1.13	
3129.00	16.300	184.700	3026.11	716.67	-716.67	12.49	2.09	
3219.00	19.300	188.500	3111.80	743.84	-743.98	9.26	3.57	
3310.00	19.900	184.400	3197.53	774.02	-774.30	5.85	1.65	
3401.00	18.400	180.900	3283.49	803.75	-804.10	4.44	2.08	
3492.00	16.300	180.200	3370.35	830.86	-831.23	4.17	2.32	
3583.00	15.100	179.100	3457.95	855.47	-855.86	4.31	1.36	
3673.00	18.100	173.800	3544.19	881.14	-881.48	6.00	3.73	
3764.00	19.400	177.300	3630.37	910.36	-910.64	8.24	1.89	
3855.00	20.200	175.600	3715.99	941.17	-941.40	10.16	1.08	
3946.00	20.000	174.200	3801.44	972.39	-972.54	12.94	0.57	



Actual Wellpath Report

DRY CREEK 13-35 AWP

Page 3 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 DRY CREEK 13-35 (2011'FSL & 468'FWL)
Area	COLORADO	Well	DRY CREEK 13-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DRY CREEK 13-35 AWB
Facility	SEC.35-T1N-R67W		

WELLPATH DATA (86 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4037.00	20.600	177.000	3886.79	1003.93	-1004.01	15.35	1.25	
4128.00	19.900	178.000	3972.17	1035.42	-1035.48	16.72	0.86	
4218.00	18.900	175.600	4057.06	1065.30	-1065.32	18.38	1.42	
4309.00	17.900	174.200	4143.41	1093.99	-1093.93	20.92	1.20	
4400.00	19.400	171.400	4229.63	1122.96	-1122.79	24.59	1.92	
4490.00	16.400	175.900	4315.26	1150.51	-1150.25	27.74	3.67	
4580.00	18.200	175.600	4401.19	1177.25	-1176.94	29.73	2.00	
4671.00	19.900	174.500	4487.20	1206.91	-1206.53	32.30	1.91	
4762.00	21.100	173.500	4572.44	1238.70	-1238.22	35.64	1.37	
4853.00	19.000	174.200	4657.92	1269.82	-1269.23	38.99	2.32	
4943.00	16.800	175.200	4743.56	1297.43	-1296.77	41.56	2.47	
5033.00	17.700	174.500	4829.51	1324.08	-1323.35	43.96	1.03	
5125.00	16.000	176.600	4917.56	1350.72	-1349.93	46.05	1.96	
5216.00	16.500	176.300	5004.92	1376.17	-1375.35	47.63	0.56	
5306.00	14.800	174.900	5091.58	1400.43	-1399.55	49.48	1.93	
5397.00	14.100	174.900	5179.70	1423.10	-1422.17	51.50	0.77	
5488.00	13.000	174.500	5268.17	1444.39	-1443.40	53.46	1.21	
5579.00	11.800	178.000	5357.04	1463.91	-1462.89	54.77	1.56	
5669.00	10.100	178.400	5445.40	1481.01	-1479.98	55.31	1.89	
5760.00	7.300	165.700	5535.35	1494.64	-1493.56	56.96	3.71	
5851.00	5.600	170.700	5625.78	1504.69	-1503.54	59.11	1.97	
5942.00	3.300	149.900	5716.50	1511.41	-1510.19	61.14	3.05	
6033.00	1.600	97.200	5807.42	1513.93	-1512.62	63.71	2.92	
6123.00	1.300	93.700	5897.40	1514.23	-1512.84	65.98	0.35	
6214.00	1.100	91.600	5988.38	1514.39	-1512.93	67.88	0.22	
6305.00	0.800	99.600	6079.36	1514.57	-1513.06	69.38	0.36	
6441.00	0.800	87.700	6215.35	1514.76	-1513.18	71.27	0.12	
6577.00	0.500	13.900	6351.34	1514.18	-1512.57	72.36	0.60	
6713.00	0.400	34.600	6487.34	1513.23	-1511.60	72.77	0.14	
6849.00	0.600	54.600	6623.33	1512.46	-1510.80	73.62	0.19	
6985.00	0.700	65.500	6759.32	1511.75	-1510.04	74.96	0.12	
7121.00	1.200	78.200	6895.31	1511.19	-1509.41	77.11	0.40	
7257.00	1.700	81.400	7031.26	1510.72	-1508.81	80.49	0.37	
7392.00	1.700	61.700	7166.20	1509.60	-1507.56	84.24	0.43	
7528.00	3.000	98.600	7302.09	1509.37	-1507.14	89.53	1.42	
7664.00	3.600	99.400	7437.87	1510.87	-1508.37	97.26	0.44	
7800.00	3.300	106.300	7573.62	1512.95	-1510.16	105.23	0.38	
7936.00	3.100	106.700	7709.41	1515.36	-1512.32	112.51	0.15	
8072.00	3.200	107.700	7845.20	1517.82	-1514.53	119.65	0.08	
8108.00	3.600	100.000	7881.14	1518.40	-1515.03	121.72	1.68	LAST BHI MWD SURVEY
8158.00	3.600	100.000	7931.04	1519.05	-1515.58	124.81	0.00	PROJECTION TO BIT



Actual Wellpath Report

DRY CREEK 13-35 AWP

Page 4 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 DRY CREEK 13-35 (2011'FSL & 468'FWL)
Area	COLORADO	Well	DRY CREEK 13-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DRY CREEK 13-35 AWP
Facility	SEC.35-T1N-R67W		

HOLE & CASING SECTIONS Ref Wellbore: DRY CREEK 13-35 AWP Ref Wellpath: DRY CREEK 13-35 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	15.00	1200.00	1185.00	15.00	1188.72	0.00	0.00	-137.34	6.55
8.625in Casing Surface	15.00	1190.00	1175.00	15.00	1178.94	0.00	0.00	-135.22	6.41
7.875in Open Hole	1190.00	8158.00	6968.00	1178.94	7931.04	-135.22	6.41	-1515.58	124.81

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
DRY CREEK 13-35 GEO TARGET 50' RADIUS (510'FSL & 510'FWL, REV-1)		6000.00	-1500.86	53.23	3177810.13	1244131.60	40°00'06.408"N	104°51'55.044"W	circle
DRY CREEK 13-35 LEGAL BOX (50'S,350'N,52'W,348'E OF GEO TARGET)		6000.00	-1350.86	201.23	3177957.04	1244282.65	40°00'07.890"N	104°51'53.142"W	square

WELLPATH COMPOSITION Ref Wellbore: DRY CREEK 13-35 AWP Ref Wellpath: DRY CREEK 13-35 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	1145.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <150-1145>	DRY CREEK 13-35 AWP
1145.00	8108.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <1221-8108>	DRY CREEK 13-35 AWP
8108.00	8158.00	Blind Drilling (std)	Projection to bit	DRY CREEK 13-35 AWP



Actual Wellpath Report

DRY CREEK 13-35 AWP

Page 5 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 DRY CREEK 13-35 (2011'FSL & 468'FWL)
Area	COLORADO	Well	DRY CREEK 13-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DRY CREEK 13-35 AWB
Facility	SEC.35-T1N-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8108.00	3.600	100.000	7881.14	LAST BHI MWD SURVEY
8158.00	3.600	100.000	7931.04	PROJECTION TO BIT