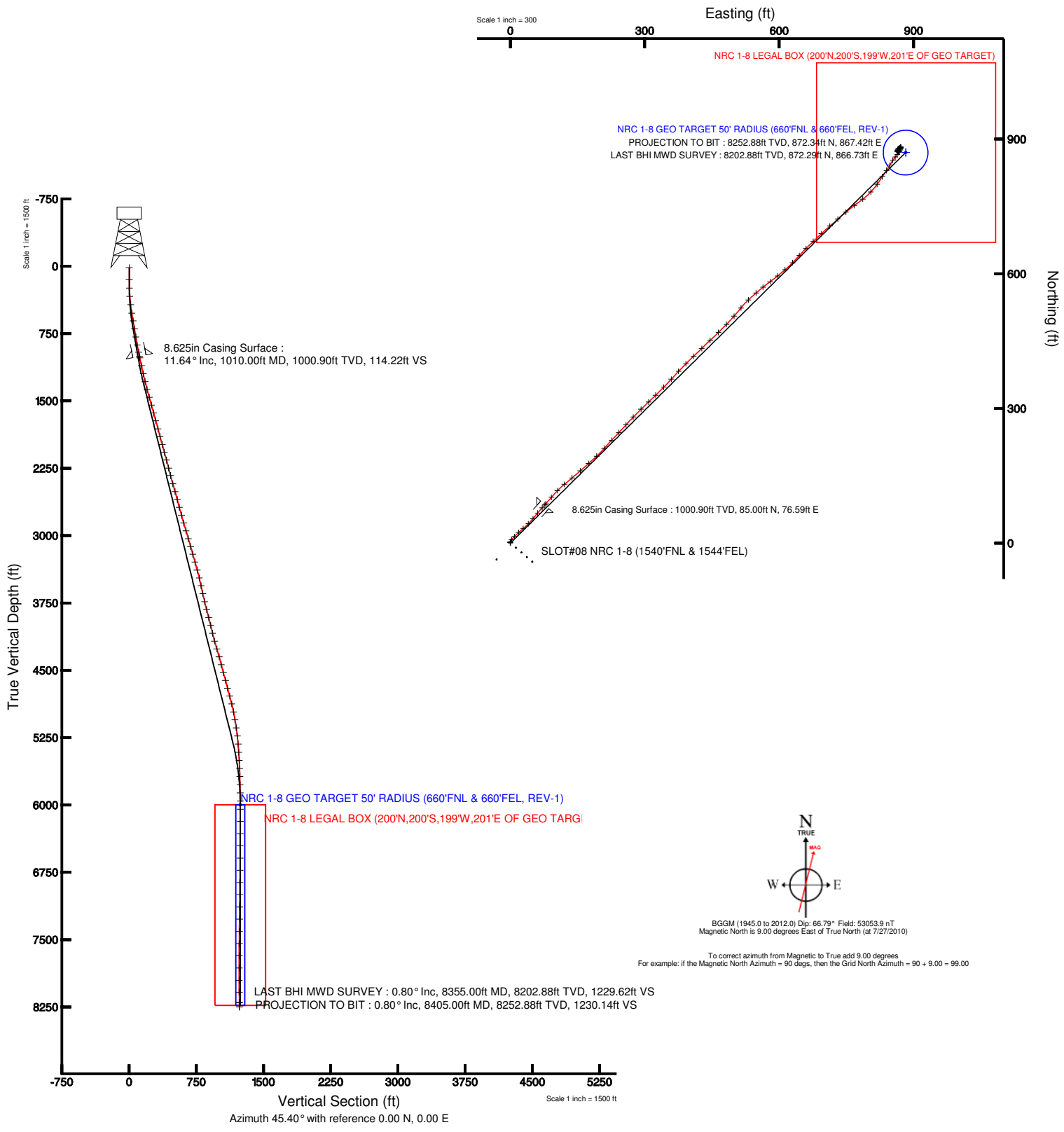


KERR MCGEE OIL & GAS ONSHORE LP



Location: COLORADO Slot: SLOT#08 NRC 1-8 (1540'FNL & 1544'FEL)
 Field: WELD COUNTY (KERR MCGEE) Well: NRC 1-8
 Facility: SEC.08-T1N-R67W Wellbore: NRC 1-8 PWB

Plot reference wellpath is NRC 1-8 (REV-A.0) PWP	
True vertical depths are referenced to XTREME 12 (RT)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 12 (RT)	North Reference: True north
XTREME 12 (RT) to Mean Sea Level: 5023 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.08-T1N-R67W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: bensjaj on 7/27/2010





Actual Wellpath Report

NRC 1-8 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 NRC 1-8 (1540'FNL & 1544'FEL)
Area	COLORADO	Well	NRC 1-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NRC 1-8 AWB
Facility	SEC.08-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	Bensjacj
Scale	0.999962	Report Generated	7/27/2010 at 3:29:28 PM
Convergence at slot	0.38° East	Database/Source file	WA_Denver/_NRC_1-8_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	2699.76	-134.34	3164947.72	1268375.16	40°04'06.870"N	104°54'38.257"W
Facility Reference Pt			3165100.01	1265676.46	40°03'40.190"N	104°54'36.529"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 (RT) to Facility Vertical Datum	5023.00ft
Horizontal Reference Pt	Slot	XTREME 12 (RT) to Mean Sea Level	5023.00ft
Vertical Reference Pt	XTREME 12 (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 12 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	45.40°



Actual Wellpath Report

NRC 1-8 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 NRC 1-8 (1540'FNL & 1544'FEL)
Area	COLORADO	Well	NRC 1-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NRC 1-8 AWP
Facility	SEC.08-T1N-R67W		

WELLPATH DATA (87 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	319.800	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	319.800	15.00	0.00	0.00	0.00	0.00	
150.00	1.000	319.800	149.99	0.09	0.90	-0.76	0.74	
243.00	2.200	25.200	242.96	1.83	3.14	-0.52	2.15	
335.00	4.500	40.700	334.80	7.08	7.47	2.58	2.66	
428.00	7.000	43.100	427.32	16.38	14.37	8.83	2.70	
523.00	8.600	48.000	521.44	29.26	23.35	18.07	1.82	
609.00	9.800	49.800	606.34	42.99	32.38	28.44	1.43	
700.00	9.800	44.900	696.01	58.45	42.87	39.82	0.92	
791.00	9.900	39.600	785.67	73.98	54.38	50.27	1.00	
882.00	10.100	40.300	875.29	89.71	66.49	60.42	0.26	
965.00	11.500	41.300	956.82	105.21	78.26	70.59	1.70	
1027.00	11.700	42.400	1017.55	117.65	87.55	78.91	0.48	
1118.00	12.400	40.000	1106.54	136.60	101.84	91.41	0.95	
1209.00	12.800	44.500	1195.35	156.40	116.52	104.75	1.16	
1300.00	14.000	50.500	1283.88	177.45	130.71	120.32	2.02	
1390.00	14.900	50.200	1371.03	199.82	145.04	137.61	1.00	
1481.00	15.900	48.400	1458.76	223.93	160.81	155.92	1.22	
1572.00	15.600	48.400	1546.35	248.60	177.21	174.39	0.33	
1663.00	15.400	47.300	1634.04	272.89	193.53	192.42	0.39	
1753.00	15.900	41.400	1720.71	297.13	210.88	209.35	1.85	
1845.00	15.200	43.100	1809.34	321.76	229.14	225.93	0.91	
1935.00	14.700	43.500	1896.29	344.96	246.04	241.85	0.57	
2026.00	15.200	42.800	1984.21	368.42	263.16	257.90	0.58	
2116.00	15.700	43.500	2070.96	392.37	280.65	274.30	0.59	
2207.00	15.600	45.600	2158.59	416.92	298.15	291.52	0.63	
2298.00	14.300	47.300	2246.50	440.38	314.33	308.52	1.51	
2385.00	14.500	45.200	2330.77	462.01	329.29	324.15	0.64	
2480.00	16.500	45.600	2422.31	487.40	347.11	342.23	2.11	
2570.00	15.400	41.000	2508.85	512.10	365.07	359.20	1.86	
2661.00	15.000	44.200	2596.67	535.92	382.64	375.34	1.02	
2752.00	15.000	44.500	2684.57	559.47	399.48	391.80	0.09	
2843.00	15.500	47.000	2772.36	583.40	416.17	408.95	0.91	
2933.00	17.000	44.900	2858.77	608.58	433.69	427.03	1.79	
3024.00	16.300	47.700	2945.95	634.64	451.71	445.87	1.17	
3115.00	16.300	45.600	3033.29	660.17	469.24	464.44	0.65	
3206.00	16.300	43.800	3120.64	685.71	487.39	482.40	0.56	
3296.00	15.500	41.400	3207.19	710.33	505.53	499.10	1.15	
3387.00	15.200	38.900	3294.95	734.31	523.93	514.63	0.80	
3478.00	15.900	46.600	3382.63	758.63	541.79	531.18	2.39	
3569.00	13.700	50.200	3470.60	781.83	557.25	548.52	2.62	
3659.00	12.000	50.900	3558.35	801.77	569.97	563.97	1.90	
3750.00	13.700	53.300	3647.07	821.86	582.38	579.95	1.96	
3841.00	13.100	50.500	3735.59	842.81	595.38	596.55	0.97	
3932.00	14.100	50.500	3824.04	864.12	608.99	613.06	1.10	



Actual Wellpath Report

NRC 1-8 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 NRC 1-8 (1540'FNL & 1544'FEL)
Area	COLORADO	Well	NRC 1-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NRC 1-8 AWB
Facility	SEC.08-T1N-R67W		

WELLPATH DATA (87 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4023.00	15.300	43.500	3912.06	887.16	624.75	629.88	2.35	
4113.00	13.500	42.800	3999.23	909.53	641.08	645.19	2.01	
4204.00	13.600	44.500	4087.70	930.83	656.50	659.91	0.45	
4295.00	15.400	47.300	4175.80	953.61	672.33	676.29	2.12	
4386.00	16.700	46.300	4263.25	978.76	689.56	694.62	1.46	
4476.00	15.800	49.100	4349.65	1003.92	706.51	713.23	1.33	
4567.00	14.200	49.100	4437.55	1027.42	721.93	731.03	1.76	
4658.00	16.100	49.800	4525.38	1051.14	737.39	749.11	2.10	
4749.00	14.800	53.300	4613.10	1075.24	752.48	768.07	1.76	
4839.00	15.500	52.600	4699.97	1098.55	766.65	786.84	0.80	
4930.00	14.900	44.100	4787.79	1122.32	782.44	804.64	2.53	
5020.00	13.800	35.100	4875.00	1144.45	799.53	818.87	2.76	
5111.00	12.000	33.600	4963.70	1164.39	816.30	830.34	2.01	
5202.00	9.700	34.000	5053.06	1181.17	830.53	839.87	2.53	
5292.00	8.300	30.500	5141.95	1194.88	842.42	847.40	1.67	
5383.00	7.300	33.300	5232.11	1206.88	852.91	853.91	1.18	
5474.00	4.800	40.300	5322.60	1216.33	860.64	859.55	2.86	
5565.00	3.900	36.800	5413.33	1223.18	866.03	863.87	1.03	
5655.00	2.800	28.400	5503.18	1228.31	870.41	866.74	1.34	
5746.00	2.300	32.200	5594.09	1232.21	873.91	868.77	0.58	
5837.00	1.800	25.500	5685.03	1235.33	876.75	870.36	0.61	
5928.00	1.400	16.800	5776.00	1237.65	879.10	871.30	0.51	
6019.00	1.000	358.100	5866.98	1239.17	880.96	871.59	0.61	
6109.00	1.000	341.300	5956.96	1240.04	882.49	871.32	0.32	
6200.00	0.700	151.800	6047.96	1240.23	882.75	871.32	1.86	
6336.00	0.400	193.600	6183.95	1239.59	881.56	871.61	0.35	
6472.00	0.200	244.600	6319.95	1238.97	880.99	871.28	0.23	
6608.00	0.300	264.600	6455.95	1238.47	880.86	870.71	0.10	
6745.00	0.100	262.500	6592.95	1238.09	880.81	870.24	0.15	
6881.00	0.500	253.700	6728.95	1237.48	880.63	869.55	0.30	
7017.00	0.700	237.500	6864.94	1236.14	880.01	868.28	0.19	
7153.00	0.600	236.100	7000.93	1234.63	879.17	866.99	0.07	
7289.00	0.500	223.800	7136.92	1233.34	878.34	865.98	0.11	
7425.00	0.600	208.700	7272.92	1232.06	877.29	865.23	0.13	
7562.00	0.900	204.500	7409.91	1230.37	875.68	864.44	0.22	
7698.00	0.400	205.500	7545.90	1228.92	874.28	863.79	0.37	
7834.00	0.600	155.300	7681.89	1228.24	873.21	863.89	0.34	
7970.00	0.300	82.500	7817.89	1228.28	872.61	864.54	0.43	
8106.00	0.200	109.900	7953.89	1228.66	872.57	865.11	0.11	
8242.00	0.300	112.400	8089.89	1228.91	872.36	865.67	0.07	
8355.00	0.800	86.400	8202.88	1229.62	872.29	866.73	0.48	LAST BHI MWD SURVEY
8405.00	0.800	86.400	8252.88	1230.14	872.34	867.42	0.00	PROJECTION TO BIT



Actual Wellpath Report

NRC 1-8 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 NRC 1-8 (1540'FNL & 1544'FEL)
Area	COLORADO	Well	NRC 1-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NRC 1-8 AWB
Facility	SEC.08-T1N-R67W		

HOLE & CASING SECTIONS Ref Wellbore: NRC 1-8 AWB Ref Wellpath: NRC 1-8 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	1020.00	1005.00	15.00	1010.69	0.00	0.00	86.50	77.95
8.625in Casing Surface	15.00	1010.00	995.00	15.00	1000.90	0.00	0.00	85.00	76.59
7.875in Open Hole	1010.00	8405.00	7395.00	1000.90	8252.88	85.00	76.59	872.34	867.42

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
NRC 1-8 GEO TARGET 50' RADIUS (660'FNL & 660'FEL, REV-1)		6000.00	870.31	882.44	3165824.32	1269251.28	40°04'15.470"N	104°54'26.906"W	circle
NRC 1-8 LEGAL BOX (200'N,200'S,199'W,201'E OF GEO TARGET)		6000.00	870.31	883.44	3165825.32	1269251.29	40°04'15.470"N	104°54'26.894"W	square

WELLPATH COMPOSITION Ref Wellbore: NRC 1-8 AWB Ref Wellpath: NRC 1-8 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	8355.00	NaviTrak (Standard)	BHI MWD <150-8355>	NRC 1-8 AWB
8355.00	8405.00	Blind Drilling (std)	Projection to bit	NRC 1-8 AWB



Actual Wellpath Report

NRC 1-8 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 NRC 1-8 (1540'FNL & 1544'FEL)
Area	COLORADO	Well	NRC 1-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NRC 1-8 AWB
Facility	SEC.08-T1N-R67W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8355.00	0.800	86.400	8202.88	LAST BHI MWD SURVEY
8405.00	0.800	86.400	8252.88	PROJECTION TO BIT