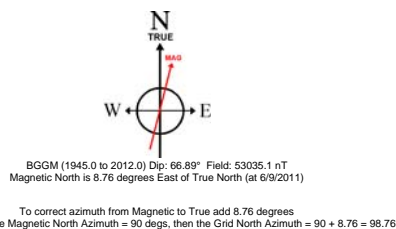
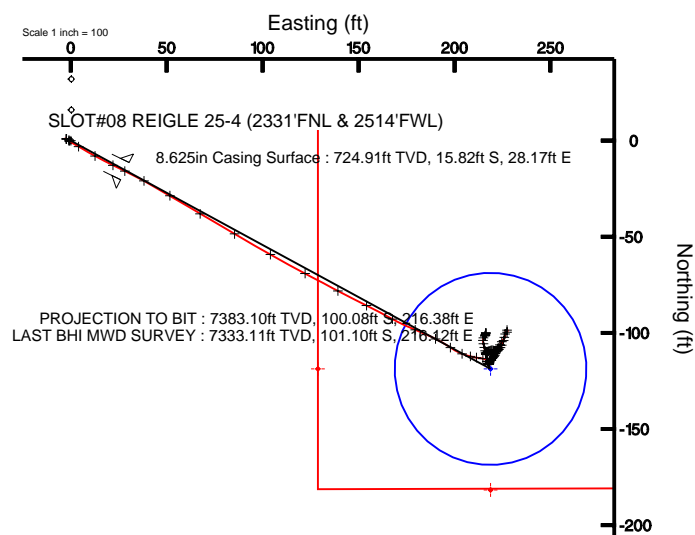
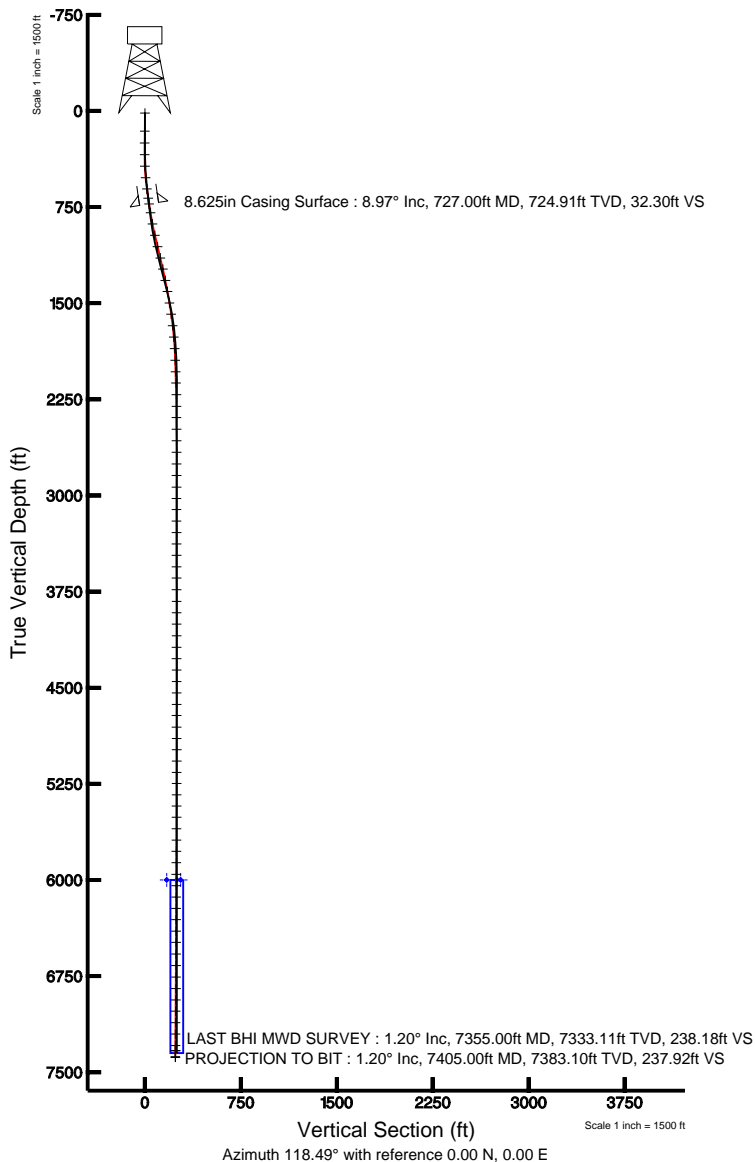




KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#08 REIGLE 25-4 (2331'FNL & 2514'FWL)
 Field: WELD COUNTY (KERR MCGEE) Well: REIGLE 25-4
 Facility: SEC.04-T2N-R65W Wellbore: REIGLE 25-4 PWB

Plot reference wellpath is REIGLE 25-4 (REV-A.0) PWP	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
True vertical depths are referenced to XTREME 6 (RKB)	North Reference: True north
Measured depths are referenced to XTREME 6 (RKB)	Scale: True distance
XTREME 6 (RKB) to Mean Sea Level: 4874 feet	Depths are in feet
Mean Sea Level to Mud line (Facility: SEC.04-T2N-R65W): 0 feet	Created by: cook/dann on 6/10/2011
Coordinates are in feet referenced to Slot	





Actual Wellpath Report

REIGLE 25-4 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 REIGLE 25-4 (2331'FNL & 2514'FWL)
Area	COLORADO	Well	REIGLE 25-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 25-4 AWB
Facility	SEC.04-T2N-R65W		

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	0.999958	Report Generated	6/10/2011 at 5:44:08 PM
Convergence at slot	0.54° East	Database/Source file	WA_DENVER/REIGLE_25-4_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-111.84	-1.40	3232187.08	1305227.53	40°10'05.732"N	104°40'08.951"W
Facility Reference Pt			3232187.43	1305339.38	40°10'06.838"N	104°40'08.933"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 6 (RKB) to Facility Vertical Datum	4874.00ft
Horizontal Reference Pt	Slot	XTREME 6 (RKB) to Mean Sea Level	4874.00ft
Vertical Reference Pt	XTREME 6 (RKB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 6 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	118.49°



Actual Wellpath Report

REIGLE 25-4 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 REIGLE 25-4 (2331'FNL & 2514'FWL)
Area	COLORADO	Well	REIGLE 25-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 25-4 AWP
Facility	SEC.04-T2N-R65W		

WELLPATH DATA (85 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	289.400	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	289.400	16.00	0.00	0.00	0.00	0.00	
157.00	0.800	289.400	157.00	-0.97	0.33	-0.93	0.57	
249.00	0.900	297.100	248.99	-2.33	0.87	-2.18	0.16	
340.00	0.500	139.900	339.98	-2.67	0.89	-2.56	1.51	
430.00	2.100	120.300	429.96	-0.66	-0.24	-0.88	1.82	
521.00	5.100	119.500	520.77	5.05	-3.07	4.08	3.30	
609.00	7.800	119.900	608.20	14.93	-7.98	12.66	3.07	
682.00	8.700	115.300	680.45	25.40	-12.81	21.95	1.53	
797.00	9.400	117.800	794.01	43.47	-20.90	38.12	0.70	
886.00	10.800	121.300	881.63	59.07	-28.63	51.67	1.72	
976.00	12.700	120.600	969.74	77.38	-38.04	67.40	2.12	
1067.00	13.700	119.900	1058.34	98.15	-48.51	85.35	1.11	
1158.00	13.700	119.900	1146.75	119.70	-59.25	104.03	0.00	
1247.00	13.100	117.400	1233.33	140.32	-69.15	122.12	0.94	
1338.00	11.500	118.200	1322.24	159.70	-78.18	139.27	1.77	
1426.00	10.400	116.000	1408.63	176.41	-85.81	154.14	1.34	
1517.00	8.900	119.200	1498.34	191.65	-92.84	167.67	1.75	
1605.00	8.300	110.800	1585.36	204.76	-98.42	179.55	1.58	
1696.00	6.400	118.200	1675.61	216.34	-103.15	190.16	2.33	
1785.00	5.200	123.100	1764.15	225.32	-107.70	197.91	1.46	
1875.00	3.600	110.100	1853.88	232.18	-110.89	203.99	2.08	
1966.00	2.100	103.400	1944.77	236.62	-112.26	208.29	1.69	
2056.00	2.100	98.500	2034.71	239.76	-112.89	211.53	0.20	
2144.00	2.300	99.500	2122.64	242.94	-113.42	214.86	0.23	
2235.00	1.500	156.800	2213.60	245.60	-114.81	217.13	2.15	
2326.00	0.100	133.300	2304.59	246.62	-115.96	217.66	1.55	
2414.00	0.100	156.100	2392.59	246.75	-116.09	217.75	0.04	
2505.00	0.100	210.600	2483.59	246.81	-116.23	217.74	0.10	
2595.00	0.200	111.100	2573.59	246.96	-116.35	217.84	0.26	
2685.00	0.100	17.300	2663.59	247.10	-116.33	218.01	0.25	
2776.00	0.200	27.100	2754.59	247.09	-116.12	218.11	0.11	
2866.00	0.300	21.100	2844.59	247.05	-115.76	218.27	0.11	
2956.00	0.300	358.300	2934.59	246.90	-115.30	218.34	0.13	
3045.00	0.300	356.200	3023.58	246.66	-114.84	218.32	0.01	
3132.00	0.200	37.600	3110.58	246.56	-114.49	218.40	0.23	
3221.00	0.300	68.600	3199.58	246.74	-114.28	218.71	0.19	
3311.00	0.200	118.900	3289.58	247.05	-114.27	219.07	0.26	
3400.00	0.000	38.000	3378.58	247.20	-114.35	219.20	0.22	
3489.00	0.200	331.500	3467.58	247.07	-114.21	219.13	0.22	
3578.00	0.200	2.800	3556.58	246.87	-113.92	219.06	0.12	
3666.00	0.200	54.900	3644.58	246.88	-113.68	219.20	0.20	
3757.00	0.500	58.000	3735.58	247.14	-113.37	219.66	0.33	
3848.00	0.400	45.000	3826.58	247.43	-112.94	220.22	0.16	
3937.00	0.500	24.300	3915.57	247.49	-112.37	220.60	0.21	



Actual Wellpath Report

REIGLE 25-4 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 REIGLE 25-4 (2331'FNL & 2514'FWL)
Area	COLORADO	Well	REIGLE 25-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 25-4 AWB
Facility	SEC.04-T2N-R65W		

WELLPATH DATA (85 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4025.00	0.600	35.900	4003.57	247.52	-111.64	221.03	0.17	
4117.00	0.800	14.400	4095.56	247.43	-110.63	221.47	0.36	
4206.00	1.100	28.200	4184.55	247.27	-109.27	222.03	0.42	
4295.00	1.100	29.900	4273.53	247.29	-107.78	222.86	0.04	
4384.00	1.100	28.200	4362.52	247.30	-106.29	223.69	0.04	
4474.00	1.400	33.400	4452.50	247.39	-104.61	224.71	0.36	
4563.00	2.000	26.700	4541.46	247.44	-102.31	226.00	0.71	
4652.00	1.900	29.900	4630.41	247.43	-99.65	227.44	0.17	
4739.00	1.000	256.300	4717.39	246.90	-98.58	227.42	3.09	
4830.00	2.300	187.100	4808.36	246.98	-100.58	226.42	2.37	
4918.00	2.300	199.400	4896.29	247.90	-103.99	225.61	0.56	
5006.00	1.100	205.000	4984.25	248.23	-106.43	224.67	1.38	
5095.00	0.800	213.800	5073.23	248.22	-107.72	223.96	0.37	
5183.00	0.700	224.700	5161.23	248.02	-108.61	223.24	0.20	
5269.00	0.500	225.700	5247.22	247.76	-109.24	222.61	0.23	
5358.00	0.400	261.600	5336.22	247.40	-109.56	222.02	0.33	
5445.00	0.100	325.600	5423.22	247.09	-109.54	221.68	0.42	
5533.00	0.300	254.900	5511.22	246.85	-109.54	221.41	0.32	
5623.00	0.100	242.300	5601.22	246.64	-109.64	221.11	0.23	
5711.00	0.400	311.500	5689.22	246.29	-109.47	220.82	0.43	
5799.00	0.400	283.400	5777.22	245.70	-109.19	220.29	0.22	
5888.00	0.400	282.700	5866.21	245.10	-109.05	219.68	0.01	
5978.00	0.400	242.300	5956.21	244.62	-109.13	219.10	0.31	
6067.00	0.400	254.600	6045.21	244.22	-109.36	218.52	0.10	
6156.00	0.400	251.400	6134.21	243.79	-109.54	217.93	0.03	
6244.00	0.400	237.300	6222.20	243.43	-109.80	217.38	0.11	
6332.00	0.400	218.000	6310.20	243.23	-110.21	216.93	0.15	
6422.00	0.300	194.800	6400.20	243.24	-110.69	216.68	0.19	
6509.00	0.200	218.000	6487.20	243.27	-111.03	216.53	0.16	
6600.00	0.000	188.800	6578.20	243.24	-111.15	216.43	0.22	
6690.00	0.300	351.900	6668.20	243.10	-110.92	216.40	0.33	
6780.00	0.400	348.400	6758.20	242.76	-110.38	216.30	0.11	
6870.00	1.000	342.400	6848.19	241.99	-109.32	216.00	0.67	
6959.00	1.300	349.100	6937.17	240.79	-107.59	215.57	0.37	
7046.00	1.300	344.900	7024.15	239.48	-105.67	215.13	0.11	
7136.00	1.000	1.400	7114.13	238.42	-103.90	214.88	0.49	
7225.00	0.700	24.300	7203.12	238.03	-102.63	215.13	0.50	
7314.00	0.800	47.500	7292.12	238.19	-101.71	215.81	0.36	
7355.00	1.200	14.100	7333.11	238.18	-101.10	216.12	1.68	LAST BHI MWD SURVEY
7405.00	1.200	14.100	7383.10	237.92	-100.08	216.38	0.00	PROJECTION TO BIT



Actual Wellpath Report

REIGLE 25-4 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 REIGLE 25-4 (2331'FNL & 2514'FWL)
Area	COLORADO	Well	REIGLE 25-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 25-4 AWB
Facility	SEC.04-T2N-R65W		

HOLE & CASING SECTIONS Ref Wellbore: REIGLE 25-4 AWB Ref Wellpath: REIGLE 25-4 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	16.00	737.00	721.00	16.00	734.79	0.00	0.00	-16.51	29.57
8.625in Casing Surface	16.00	727.00	711.00	16.00	724.91	0.00	0.00	-15.82	28.17
7.875in Open Hole	727.00	7405.00	6678.00	724.91	7383.10	-15.82	28.17	-100.08	216.38

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
REIGLE 25-4 GEO TARGET 50' RADIUS (2450'FNL & 2555'FEL, REV-1)		6000.00	-118.76	218.83	3232407.01	1305110.83	40°10'04.559"N	104°40'06.132"W	circle
REIGLE 25-4 HARDLINE 63'S OF GEO TARGET		6000.00	-181.76	218.83	3232407.60	1305047.84	40°10'03.936"N	104°40'06.132"W	point
REIGLE 25-4 HARDLINE 90'W OF GEO TARGET		6000.00	-118.76	128.83	3232317.01	1305109.99	40°10'04.559"N	104°40'07.291"W	point

WELLPATH COMPOSITION Ref Wellbore: REIGLE 25-4 AWB Ref Wellpath: REIGLE 25-4 AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	682.00	NaviTrak (Standard)	BHI NAVITRAK 12.25 HOLE <157-682>	REIGLE 25-4 AWB
682.00	7355.00	NaviTrak (Standard)	BHI NAVITRAK 7.875 HOLE <797-7355>	REIGLE 25-4 AWB
7355.00	7405.00	Blind Drilling (std)	Projection to bit	REIGLE 25-4 AWB



Actual Wellpath Report

REIGLE 25-4 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 REIGLE 25-4 (2331'FNL & 2514'FWL)
Area	COLORADO	Well	REIGLE 25-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	REIGLE 25-4 AWB
Facility	SEC.04-T2N-R65W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7355.00	1.200	14.100	7333.11	LAST BHI MWD SURVEY
7405.00	1.200	14.100	7383.10	PROJECTION TO BIT