

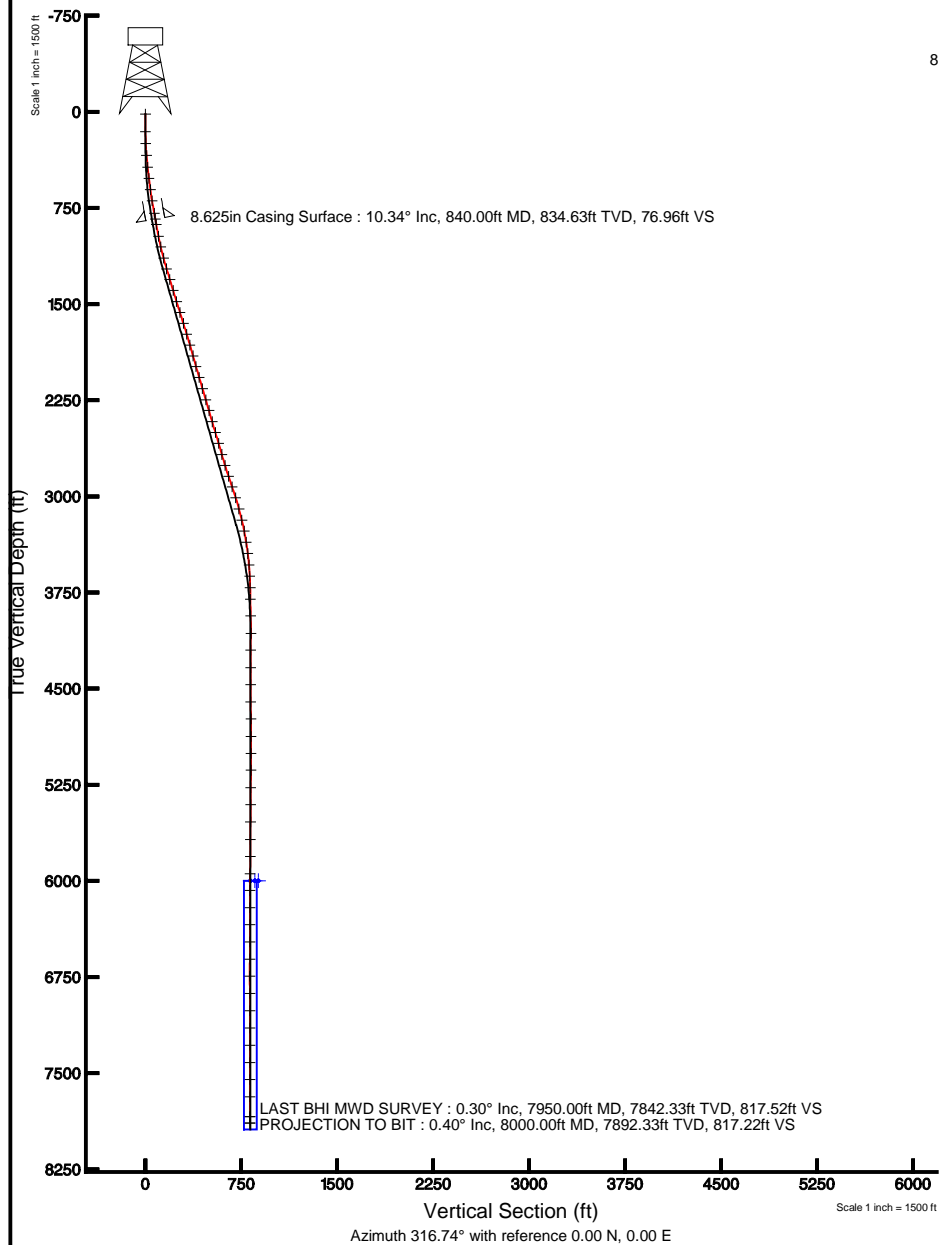
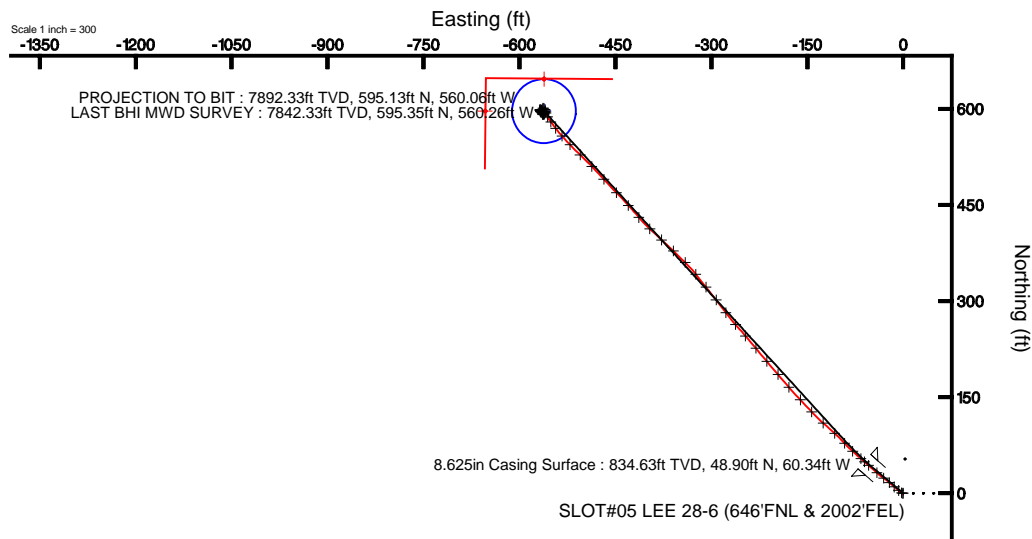


# KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#05 LEE 28-6 (646°FNL & 2002°FEL)  
Field: WELD COUNTY (KERR MCGEE) Well: LEE 28-6  
Facility: SEC.06-T2N-R65W Wellbore: LEE 28-6 PWB



Plot reference wellpath is LEE 28-6 (REV-B.0) PWP	
True vertical depths are referenced to XTREME 15 (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (601), US feet
Measured depths are referenced to XTREME 15 (RKB)	North Reference: True north
XTREME 15 (RKB) to Mean Sea Level: 4977 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#05 LEE 28-6 (646°FNL & 2002°FEL)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Set	Created by: cookdarm on 8/11/2011



BGGM (1945.0 to 2012.0) Dip: 66.89° Field: 53016.4 nT  
Magnetic North is 8.75 degrees East of True North (at 8/2/2011)

To correct azimuth from Magnetic to True add 8.75 degrees  
For example: if the Magnetic North Azimuth = 90 degs, then the True North Azimuth = 90 + 8.75 = 98.75



# Actual Wellpath Report

LEE 28-6 awp

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 LEE 28-6 (646'FNL & 2002'FEL)
Area	COLORADO	Well	LEE 28-6
Field	WELD COUNTY (KERR MCGEE)	Wellbore	LEE 28-6 awb
Facility	SEC.06-T2N-R65W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 3.0.1
North Reference	True	User	Cookdanm
Scale	0.999958	Report Generated	8/11/2011 at 9:47:29 PM
Convergence at slot	0.51° East	Database/Source file	WA_Denver/LEE_28-6_awb.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.32	-64.03	3222419.56	1306833.70	40°10'22.490"N	104°42'14.584"W
Facility Reference Pt			3222483.59	1306833.95	40°10'22.487"N	104°42'13.759"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 15 (RKB) to Facility Vertical Datum	4977.00ft
Horizontal Reference Pt	Slot	XTREME 15 (RKB) to Mean Sea Level	4977.00ft
Vertical Reference Pt	XTREME 15 (RKB)	XTREME 15 (RKB) to Mud Line at Slot (SLOT#05 LEE 28-6 (646'FNL & 2002'FEL))	4977.00ft
MD Reference Pt	XTREME 15 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	316.74°



# Actual Wellpath Report

LEE 28-6 awp

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## REFERENCE WELLPATH IDENTIFICATION

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Area	COLORADO	Well	LEE 28-6
Field	WELD COUNTY (KERR MCGEE)	Wellbore	LEE 28-6 awb
Facility	SEC.06-T2N-R65W		

## WELLPATH DATA (76 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	212.300	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	212.300	15.00	0.00	0.00	0.00	0.00	
153.00	0.400	212.300	153.00	-0.12	-0.41	-0.26	0.29	
245.00	2.800	302.000	244.96	1.97	0.51	-2.34	3.07	
338.00	4.500	310.800	337.77	7.80	4.10	-7.02	1.92	
430.00	6.200	309.700	429.37	16.32	9.63	-13.58	1.85	
518.00	7.100	310.000	516.77	26.44	16.16	-21.40	1.02	
608.00	7.600	306.500	606.03	37.82	23.28	-30.45	0.75	
696.00	9.800	311.500	693.02	51.00	31.70	-40.73	2.64	
795.00	10.900	311.100	790.40	68.71	43.44	-54.10	1.11	
883.00	9.800	311.500	876.97	84.45	53.87	-65.98	1.25	
977.00	11.100	312.200	969.41	101.44	65.25	-78.67	1.39	
1062.00	13.200	317.100	1052.50	119.30	77.86	-91.34	2.75	
1152.00	14.900	312.200	1139.81	141.11	93.16	-106.91	2.30	
1239.00	17.100	311.800	1223.44	165.01	109.20	-124.73	2.53	
1326.00	16.700	316.400	1306.68	190.25	126.78	-142.89	1.60	
1416.00	16.800	316.700	1392.86	216.19	145.61	-160.73	0.15	
1506.00	17.500	319.500	1478.86	242.71	165.37	-178.44	1.20	
1595.00	16.900	318.500	1563.88	269.01	185.23	-195.70	0.75	
1685.00	17.900	320.600	1649.76	295.89	205.72	-213.15	1.31	
1774.00	17.100	320.200	1734.64	322.59	226.34	-230.21	0.91	
1863.00	15.800	318.800	1820.00	347.77	245.51	-246.56	1.53	
1949.00	15.700	319.200	1902.77	371.09	263.13	-261.88	0.17	
2037.00	16.300	322.400	1987.36	395.28	281.92	-277.19	1.21	
2125.00	16.500	322.400	2071.78	420.00	301.61	-292.35	0.23	
2216.00	16.200	321.700	2159.10	445.51	321.81	-308.10	0.39	
2306.00	16.700	321.300	2245.42	470.90	341.76	-323.97	0.57	
2394.00	16.400	314.600	2329.78	495.93	360.35	-340.72	2.19	
2485.00	16.300	313.600	2417.10	521.51	378.17	-359.12	0.33	
2573.00	17.100	312.900	2501.39	546.75	395.50	-377.54	0.94	
2661.00	16.200	312.900	2585.70	571.91	412.66	-396.01	1.02	
2751.00	15.800	319.900	2672.22	596.67	430.58	-413.10	2.19	
2840.00	16.900	317.800	2757.62	621.71	449.43	-429.60	1.40	
2929.00	19.000	316.000	2842.28	649.13	469.44	-448.35	2.44	
3018.00	18.500	317.100	2926.56	677.74	490.21	-468.03	0.69	
3107.00	17.600	316.400	3011.18	705.31	510.29	-486.92	1.04	
3197.00	15.600	313.600	3097.43	731.01	528.50	-505.07	2.39	
3287.00	13.400	316.700	3184.56	753.52	544.43	-520.99	2.59	
3374.00	10.800	318.100	3269.62	771.75	557.84	-533.34	3.01	
3463.00	9.400	322.700	3357.24	787.32	569.83	-543.32	1.81	
3553.00	6.900	323.400	3446.32	800.00	580.02	-551.00	2.78	
3642.00	4.900	332.500	3534.85	808.97	587.68	-555.94	2.47	
3730.00	3.600	343.100	3622.60	815.06	593.66	-558.48	1.72	
3820.00	1.300	355.400	3712.51	818.39	597.38	-559.38	2.61	
3909.00	1.200	338.500	3801.49	820.05	599.25	-559.80	0.43	



# Actual Wellpath Report

LEE 28-6 awp

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 LEE 28-6 (646'FNL & 2002'FEL)
Area	COLORADO	Well	LEE 28-6
Field	WELD COUNTY (KERR MCGEE)	Wellbore	LEE 28-6 awb
Facility	SEC.06-T2N-R65W		

## WELLPATH DATA (76 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4041.00	1.400	296.700	3933.46	822.85	601.26	-561.75	0.72	
4176.00	0.800	199.300	4068.45	823.96	601.12	-563.54	1.26	
4308.00	1.100	201.100	4200.43	822.99	599.06	-564.30	0.23	
4444.00	0.300	168.400	4336.42	822.12	597.50	-564.70	0.63	
4576.00	0.300	330.800	4468.42	822.16	597.46	-564.80	0.45	
4711.00	0.400	291.800	4603.41	822.93	597.94	-565.41	0.19	
4845.00	0.800	314.300	4737.41	824.29	598.77	-566.51	0.34	
4981.00	0.400	246.100	4873.40	825.40	599.24	-567.62	0.55	
5113.00	0.300	245.400	5005.40	825.66	598.91	-568.36	0.08	
5245.00	1.000	151.500	5137.39	824.66	597.75	-568.12	0.81	
5381.00	0.400	155.700	5273.38	823.06	596.28	-567.36	0.44	
5514.00	0.400	130.000	5406.38	822.16	595.56	-566.81	0.13	
5649.00	0.500	108.300	5541.37	821.17	595.07	-565.89	0.15	
5785.00	0.300	139.900	5677.37	820.30	594.61	-565.10	0.21	
5919.00	0.500	159.600	5811.37	819.41	593.79	-564.67	0.18	
6053.00	0.500	139.500	5945.36	818.28	592.80	-564.09	0.13	
6184.00	0.300	126.200	6076.36	817.38	592.16	-563.44	0.17	
6318.00	0.200	203.200	6210.36	816.94	591.74	-563.25	0.24	
6451.00	0.100	142.700	6343.36	816.73	591.44	-563.27	0.13	
6585.00	0.400	42.200	6477.36	816.65	591.69	-562.89	0.32	
6719.00	0.500	97.400	6611.35	816.24	591.96	-561.99	0.32	
6852.00	0.100	357.200	6744.35	815.87	592.00	-561.42	0.40	
6987.00	0.600	304.800	6879.35	816.66	592.52	-562.01	0.40	
7122.00	0.500	32.700	7014.34	817.49	593.42	-562.27	0.57	
7257.00	0.700	84.000	7149.34	817.13	594.00	-561.13	0.41	
7392.00	0.400	301.300	7284.33	817.09	594.34	-560.71	0.78	
7527.00	0.200	328.700	7419.33	817.77	594.78	-561.24	0.18	
7660.00	0.300	74.500	7552.33	817.84	595.07	-561.02	0.30	
7795.00	0.200	16.800	7687.33	817.79	595.39	-560.62	0.19	
7950.00	0.300	137.400	7842.33	817.52	595.35	-560.26	0.28	LAST BHI MWD SURVEY
8000.00	0.400	137.400	7892.33	817.22	595.13	-560.06	0.20	PROJECTION TO BIT

## HOLE & CASING SECTIONS - Ref Wellbore: LEE 28-6 awb Ref Wellpath: LEE 28-6 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	850.00	835.00	15.00	844.47	0.00	0.00	50.08	-61.68
8.625in Casing Surface	15.00	840.00	825.00	15.00	834.63	0.00	0.00	48.90	-60.34
7.875in Open Hole	850.00	8000.00	7150.00	844.47	7892.33	50.08	-61.68	595.13	-560.06



# Actual Wellpath Report

LEE 28-6 awp

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 LEE 28-6 (646'FNL & 2002'FEL)
Area	COLORADO	Well	LEE 28-6
Field	WELD COUNTY (KERR MCGEE)	Wellbore	LEE 28-6 awb
Facility	SEC.06-T2N-R65W		

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
LEE 28-6 GEO TARGET 50' RADIUS (50'FNL & 2570'FEL, REV-1)		6000.00	596.77	-561.66	3221852.59	1307425.37	40°10'28.387"N	104°42'21.820"W	circle
LEE 28-6 HARDLINE 50'N OF GEO TARGET		6000.00	646.77	-561.66	3221852.15	1307475.37	40°10'28.881"N	104°42'21.820"W	point
LEE 28-6 HARDLINE 92'W OF GEO TARGET		6000.00	596.77	-653.66	3221760.60	1307424.55	40°10'28.387"N	104°42'23.005"W	point

## WELLPATH COMPOSITION - Ref Wellbore: LEE 28-6 awb Ref Wellpath: LEE 28-6 awp

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	7950.00	NaviTrak (Standard)	BHI MWD SURVEYS <153-7950>	LEE 28-6 awb
7950.00	8000.00	Blind Drilling (std)	Projection to bit	LEE 28-6 awb



# Actual Wellpath Report

LEE 28-6 awp

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Area	COLORADO	Well	LEE 28-6
Field	WELD COUNTY (KERR MCGEE)	Wellbore	LEE 28-6 awb
Facility	SEC.06-T2N-R65W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7950.00	0.300	137.400	7842.33	LAST BHI MWD SURVEY
8000.00	0.400	137.400	7892.33	PROJECTION TO BIT