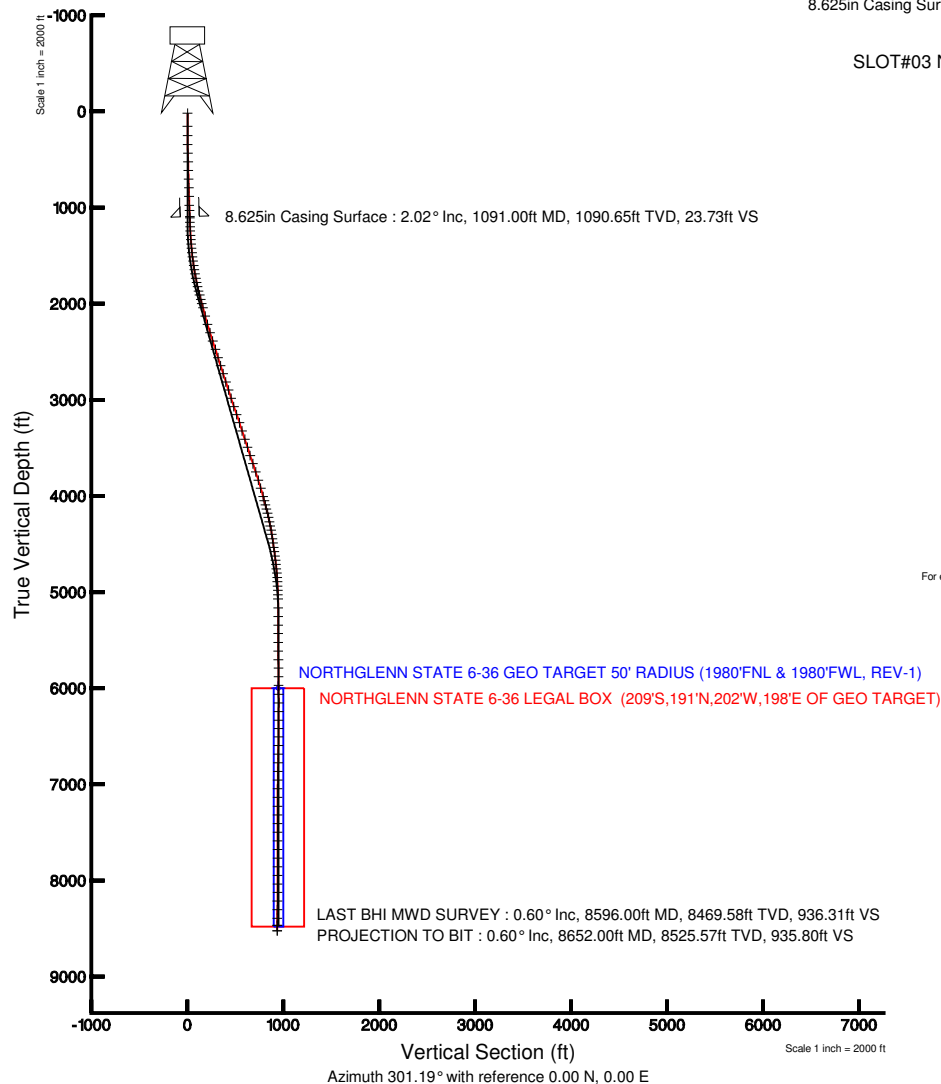
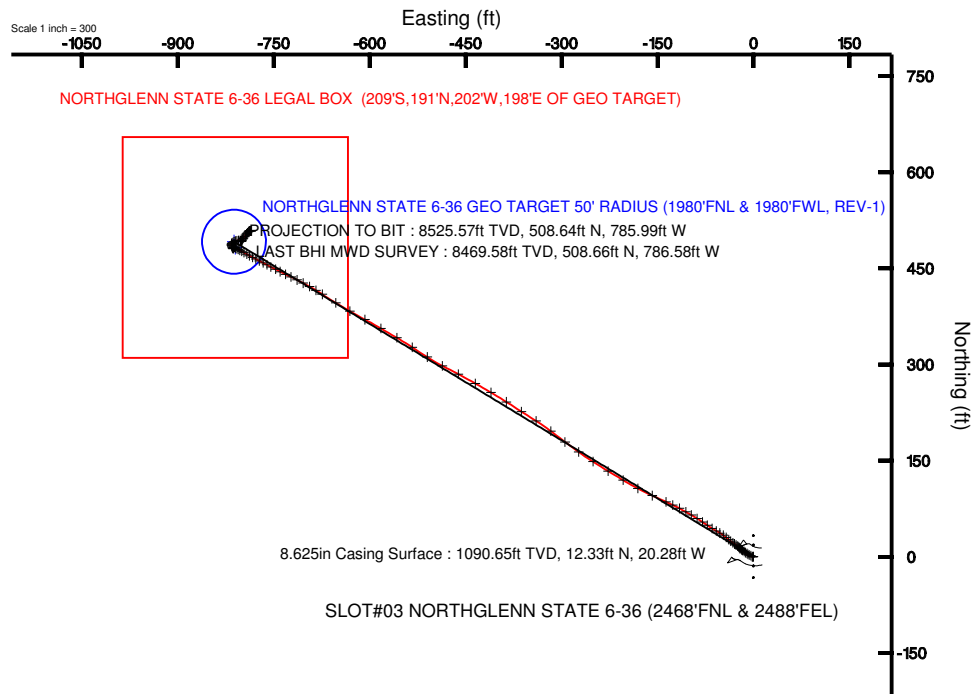


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#03 NORTHGLENN STATE 6-36 (2468'FNL & 2488'FEL)
 Field: WELD COUNTY (KERR MCGEE) Well: NORTHGLENN STATE 6-36
 Facility: SEC.36-T1N-R68W Wellbore: NORTHGLENN STATE 6-36 PWB



Plot reference wellpath is NORTHGLENN STATE 6-36 (REV-B.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: 5163 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.36-T1N-R68W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: bensjacj on 9/2/2010



BGGM (1945.0 to 2012.0) Dip: 66.74° Field: 53017.8 nT
 Magnetic North is 9.01 degrees East of True North (at 8/8/2010)

To correct azimuth from Magnetic to True add 9.01 degrees
 For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 9.01 = 99.01



Actual Wellpath Report

NORTHGLENN STATE 6-36 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 NORTHGLENN STATE 6-36 (2468'FNL & 2488'FEL)
Area	COLORADO	Well	NORTHGLENN STATE 6-36
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NORTHGLENN STATE 6-36 AWP
Facility	SEC.36-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	0.999966	Report Generated	9/2/2010 at 1:31:34 PM
Convergence at slot	0.35° East	Database/Source file	WA_Denver/NORTHGLENN_STATE_6-36_AWP.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-32.79	0.00	3153664.60	1246276.40	40°00'29.196"N	104°57'05.148"W
Facility Reference Pt			3153664.40	1246309.19	40°00'29.520"N	104°57'05.148"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	5163.00ft
Horizontal Reference Pt	Slot	XTREME 8 (RT) to Mean Sea Level	5163.00ft
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	301.19°



Actual Wellpath Report

NORTHGLENN STATE 6-36 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 NORTHGLENN STATE 6-36 (2468'FNL & 2488'FEL)
Area	COLORADO	Well	NORTHGLENN STATE 6-36
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NORTHGLENN STATE 6-36 AWB
Facility	SEC.36-T1N-R68W		

WELLPATH DATA (121 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	240.000	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	240.000	17.00	0.00	0.00	0.00	0.00	
154.00	0.400	240.000	154.00	0.23	-0.24	-0.41	0.29	
248.00	0.200	293.400	248.00	0.55	-0.34	-0.85	0.34	
341.00	1.100	297.300	340.99	1.60	0.14	-1.79	0.97	
433.00	2.000	301.200	432.96	4.09	1.37	-3.95	0.98	
522.00	1.600	291.300	521.91	6.87	2.63	-6.44	0.57	
612.00	1.200	304.000	611.89	9.05	3.61	-8.39	0.56	
703.00	1.500	307.100	702.86	11.18	4.86	-10.13	0.34	
793.00	1.700	301.900	792.83	13.69	6.28	-12.20	0.27	
883.00	1.900	304.000	882.78	16.51	7.82	-14.57	0.23	
974.00	2.000	305.000	973.73	19.60	9.57	-17.12	0.12	
1028.00	2.100	313.500	1027.69	21.51	10.79	-18.61	0.59	
1107.00	2.000	311.400	1106.64	24.28	12.70	-20.70	0.16	
1153.00	1.900	318.400	1152.62	25.80	13.80	-21.80	0.56	
1198.00	2.500	314.200	1197.58	27.47	15.05	-23.00	1.38	
1243.00	3.100	308.200	1242.53	29.63	16.48	-24.66	1.48	
1288.00	3.700	304.000	1287.45	32.29	18.05	-26.82	1.44	
1333.00	4.100	302.900	1332.35	35.35	19.73	-29.38	0.90	
1378.00	4.600	306.400	1377.22	38.75	21.68	-32.18	1.26	
1423.00	5.200	306.800	1422.05	42.58	23.97	-35.27	1.34	
1468.00	5.900	310.000	1466.84	46.90	26.68	-38.67	1.70	
1513.00	6.900	309.200	1511.56	51.86	29.87	-42.54	2.23	
1558.00	7.700	304.700	1556.19	57.54	33.30	-47.11	2.18	
1603.00	8.300	301.100	1600.76	63.80	36.69	-52.37	1.74	
1648.00	9.100	300.500	1645.24	70.61	40.18	-58.22	1.79	
1693.00	10.300	302.600	1689.59	78.19	44.15	-64.67	2.78	
1739.00	11.400	303.300	1734.77	86.84	48.86	-71.94	2.41	
1784.00	12.300	303.600	1778.81	96.08	53.96	-79.65	2.00	
1829.00	12.900	302.900	1822.73	105.89	59.34	-87.86	1.38	
1875.00	13.500	299.400	1867.51	116.39	64.76	-96.85	2.17	
1918.00	13.900	299.100	1909.29	126.56	69.74	-105.73	0.94	
1964.00	14.900	298.700	1953.84	137.99	75.26	-115.75	2.18	
2009.00	14.900	295.900	1997.33	149.54	80.57	-126.03	1.60	
2054.00	15.000	294.300	2040.81	161.08	85.49	-136.54	0.94	
2144.00	15.400	294.500	2127.66	184.51	95.24	-158.03	0.45	
2235.00	16.600	298.000	2215.13	209.49	106.36	-180.50	1.69	
2325.00	17.500	300.500	2301.18	235.86	119.26	-203.51	1.29	
2415.00	18.200	301.500	2386.85	263.44	133.47	-227.16	0.85	
2506.00	17.500	302.600	2473.47	291.33	148.27	-250.80	0.85	
2597.00	17.100	305.400	2560.35	318.35	163.39	-273.23	1.01	
2684.00	18.200	307.100	2643.25	344.63	179.00	-294.50	1.40	
2773.00	18.200	307.100	2727.80	372.28	195.76	-316.67	0.00	
2863.00	18.300	302.200	2813.28	400.39	211.77	-339.83	1.71	
2952.00	17.400	302.900	2898.00	427.66	226.45	-362.83	1.04	



Actual Wellpath Report

NORTHGLENN STATE 6-36 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 NORTHGLENN STATE 6-36 (2468'FNL & 2488'FEL)
Area	COLORADO	Well	NORTHGLENN STATE 6-36
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NORTHGLENN STATE 6-36 AWB
Facility	SEC.36-T1N-R68W		

WELLPATH DATA (121 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3043.00	18.500	302.600	2984.56	455.69	241.62	-386.42	1.21	
3132.00	18.400	300.100	3068.99	483.85	256.27	-410.47	0.90	
3220.00	19.300	299.800	3152.27	512.28	270.46	-435.10	1.03	
3311.00	19.100	297.600	3238.21	542.17	284.83	-461.35	0.82	
3401.00	17.300	297.300	3323.70	570.22	297.79	-486.29	2.00	
3491.00	18.500	302.600	3409.35	597.85	311.63	-510.21	2.25	
3580.00	18.200	303.300	3493.83	625.85	326.86	-533.73	0.42	
3670.00	18.400	300.100	3579.28	654.10	341.70	-557.76	1.14	
3760.00	18.700	300.500	3664.60	682.73	356.15	-582.48	0.36	
3851.00	17.900	298.000	3751.00	711.28	370.12	-607.40	1.23	
3940.00	17.700	300.100	3835.74	738.46	383.33	-631.18	0.76	
4028.00	16.200	300.800	3919.91	764.12	396.32	-653.30	1.72	
4119.00	15.600	303.600	4007.43	789.04	409.59	-674.40	1.07	
4164.00	14.900	301.900	4050.85	800.87	416.00	-684.35	1.85	
4209.00	14.900	299.100	4094.34	812.43	421.87	-694.32	1.60	
4252.00	14.800	297.300	4135.90	823.44	427.08	-704.03	1.10	
4297.00	13.400	296.900	4179.54	834.37	432.07	-713.78	3.12	
4343.00	12.500	295.500	4224.37	844.64	436.63	-723.03	2.07	
4388.00	12.600	296.200	4268.30	854.38	440.89	-731.83	0.40	
4433.00	11.300	296.600	4312.32	863.66	445.03	-740.18	2.89	
4476.00	10.500	296.900	4354.55	871.77	448.69	-747.44	1.87	
4522.00	9.400	296.900	4399.85	879.69	452.29	-754.53	2.39	
4568.00	8.800	297.600	4445.27	886.95	455.62	-760.99	1.33	
4613.00	8.400	298.000	4489.77	893.67	458.76	-766.95	0.90	
4659.00	8.000	298.000	4535.30	900.22	461.84	-772.74	0.87	
4704.00	7.400	298.000	4579.89	906.24	464.67	-778.06	1.33	
4750.00	7.200	296.900	4625.52	912.07	467.36	-783.25	0.53	
4795.00	6.800	297.600	4670.18	917.54	469.87	-788.13	0.91	
4838.00	6.400	300.100	4712.90	922.48	472.25	-792.46	1.15	
4884.00	5.800	299.800	4758.64	927.37	474.69	-796.69	1.31	
4929.00	4.800	298.400	4803.44	931.52	476.72	-800.32	2.24	
4974.00	4.000	299.800	4848.31	934.97	478.40	-803.34	1.79	
5018.00	3.200	300.800	4892.22	937.73	479.79	-805.72	1.82	
5064.00	3.200	295.900	4938.15	940.29	481.00	-807.98	0.59	
5109.00	2.200	294.500	4983.10	942.40	481.91	-809.90	2.23	
5154.00	1.600	304.300	5028.08	943.89	482.62	-811.20	1.51	
5199.00	0.500	318.000	5073.07	944.70	483.12	-811.85	2.49	
5290.00	0.500	287.100	5164.07	945.47	483.54	-812.50	0.29	
5380.00	0.500	233.000	5254.06	945.99	483.41	-813.19	0.51	
5470.00	0.900	177.700	5344.06	945.75	482.47	-813.47	0.82	
5559.00	0.800	188.700	5433.05	945.13	481.16	-813.54	0.21	
5650.00	0.500	292.300	5524.04	945.28	480.68	-814.00	1.14	
5740.00	1.200	344.100	5614.03	946.35	481.74	-814.62	1.08	
5830.00	1.000	336.000	5704.02	947.69	483.36	-815.20	0.28	
5918.00	0.900	344.800	5792.01	948.82	484.73	-815.70	0.20	



Actual Wellpath Report

NORTHGLENN STATE 6-36 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 NORTHGLENN STATE 6-36 (2468'FNL & 2488'FEL)
Area	COLORADO	Well	NORTHGLENN STATE 6-36
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NORTHGLENN STATE 6-36 AWB
Facility	SEC.36-T1N-R68W		

WELLPATH DATA (121 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
6008.00	0.800	343.000	5882.00	949.80	486.01	-816.06	0.11	
6099.00	0.700	356.400	5972.99	950.59	487.18	-816.28	0.22	
6189.00	0.600	12.900	6062.98	951.05	488.18	-816.21	0.23	
6279.00	0.600	32.900	6152.98	951.19	489.04	-815.85	0.23	
6370.00	0.700	49.800	6243.97	951.00	489.80	-815.17	0.24	
6459.00	1.100	55.800	6332.96	950.47	490.63	-814.05	0.46	
6547.00	1.400	60.700	6420.94	949.59	491.63	-812.41	0.36	
6635.00	1.000	67.000	6508.92	948.61	492.46	-810.77	0.48	
6725.00	0.600	74.100	6598.91	947.83	492.89	-809.59	0.46	
6815.00	1.400	76.100	6688.90	946.73	493.28	-808.07	0.89	
6904.00	2.200	77.600	6777.85	944.72	493.91	-805.35	0.90	
6994.00	1.000	129.200	6867.82	942.69	493.79	-803.05	1.96	
7084.00	0.600	135.200	6957.81	941.46	492.96	-802.11	0.45	
7174.00	0.400	105.700	7047.81	940.70	492.54	-801.48	0.36	
7264.00	0.200	62.100	7137.81	940.32	492.53	-801.03	0.32	
7355.00	0.400	33.600	7228.80	940.22	492.86	-800.72	0.27	
7445.00	0.600	33.600	7318.80	940.19	493.52	-800.28	0.22	
7536.00	0.700	32.900	7409.80	940.15	494.38	-799.72	0.11	
7626.00	1.000	26.200	7499.79	940.20	495.55	-799.07	0.35	
7715.00	0.800	40.300	7588.77	940.17	496.72	-798.33	0.33	
7805.00	1.300	50.900	7678.76	939.73	497.84	-797.13	0.59	
7895.00	1.800	33.600	7768.73	939.33	499.66	-795.55	0.75	
7986.00	1.700	28.400	7859.68	939.33	502.04	-794.12	0.21	
8075.00	1.500	41.400	7948.65	939.19	504.08	-792.72	0.46	
8165.00	1.400	44.500	8038.62	938.73	505.74	-791.17	0.14	
8253.00	1.100	41.700	8126.60	938.33	507.14	-789.86	0.35	
8344.00	0.500	40.700	8217.59	938.10	508.09	-789.02	0.66	
8433.00	0.700	63.200	8306.59	937.75	508.63	-788.28	0.34	
8523.00	0.600	103.900	8396.58	937.01	508.77	-787.33	0.51	
8596.00	0.600	92.000	8469.58	936.31	508.66	-786.58	0.17	LAST BHI MWD SURVEY
8652.00	0.600	92.000	8525.57	935.80	508.64	-785.99	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS									
Ref Wellbore: NORTHGLENN STATE 6-36 AWB					Ref Wellpath: NORTHGLENN STATE 6-36 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	1091.00	1074.00	17.00	1090.65	0.00	0.00	12.33	-20.28
8.625in Casing Surface	17.00	1091.00	1074.00	17.00	1090.65	0.00	0.00	12.33	-20.28
7.875in Open Hole	1091.00	8652.00	7561.00	1090.65	8525.57	12.33	-20.28	508.64	-785.99



Actual Wellpath Report

NORTHGLENN STATE 6-36 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 NORTHGLENN STATE 6-36 (2468'FNL & 2488'FEL)
Area	COLORADO	Well	NORTHGLENN STATE 6-36
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NORTHGLENN STATE 6-36 AWB
Facility	SEC.36-T1N-R68W		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
NORTHGLENN STATE 6-36 GEO TARGET 50' RADIUS (1980'FNL & 1980'FWL, REV-1)		6000.00	491.80	-812.36	3152849.24	1246763.15	40°00'34.056"N	104°57'15.588"W	circle
NORTHGLENN STATE 6-36 LEGAL BOX (209'S,191'N,202'W,198'E OF GEO TARGET)		6000.00	482.80	-810.36	3152851.30	1246754.16	40°00'33.967"N	104°57'15.562"W	square

WELLPATH COMPOSITION Ref Wellbore: NORTHGLENN STATE 6-36 AWB Ref Wellpath: NORTHGLENN STATE 6-36 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	8596.00	NaviTrak (Standard)	BHI MWD SURVEYS <154-8596>	NORTHGLENN STATE 6-36 AWB
8596.00	8652.00	Blind Drilling (std)	Projection to bit	NORTHGLENN STATE 6-36 AWB



Actual Wellpath Report

NORTHGLENN STATE 6-36 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 NORTHGLENN STATE 6-36 (2468'FNL & 2488'FEL)
Area	COLORADO	Well	NORTHGLENN STATE 6-36
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NORTHGLENN STATE 6-36 AWB
Facility	SEC.36-T1N-R68W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8596.00	0.600	92.000	8469.58	LAST BHI MWD SURVEY
8652.00	0.600	92.000	8525.57	PROJECTION TO BIT