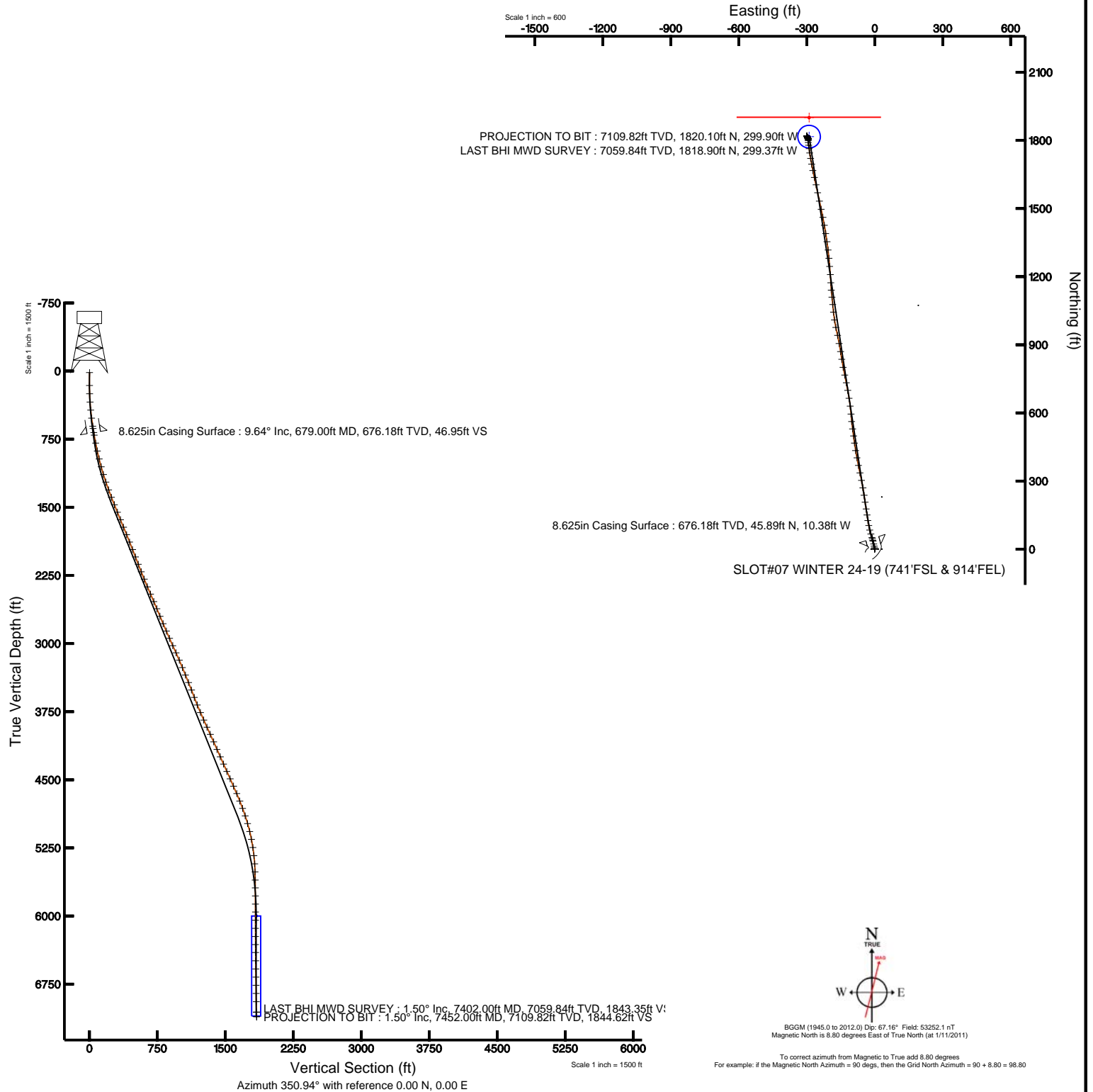


# KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#07 WINTER 24-19 (741'FSL & 914'FEL)  
 Field: WELD COUNTY (KERR MCGEE) Well: WINTER 24-19  
 Facility: SEC.19-T6N-R64W Wellbore: WINTER 24-19 PWB



Plot reference wellpath is WINTER 24-19 (REV-A.0) PWB	
True vertical depths are referenced to XTREME 6 (RKB)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 6 (RKB)	North Reference: True north
XTREME 6 (RKB) to Mean Sea Level: 4721 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.19-T6N-R64W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdarn on 4/15/2011





# Actual Wellpath Report

WINTER 24-19 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#07 WINTER 24-19 (741'FSL & 914'FEL)
Area	COLORADO	Well	WINTER 24-19
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WINTER 24-19 AWB
Facility	SEC.19-T6N-R64W		

## 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	0.999964	Report Generated	4/15/2011 at 5:46:54 PM
Convergence at slot	0.59° East	Database/Source file	Denver Server/WINTER_24-19_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-1177.72	2344.52	3254030.37	1413997.56	40°27'58.446"N	104°35'13.157"W
Facility Reference Pt			3251674.04	1415151.26	40°28'10.085"N	104°35'43.490"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	4721.00ft
Horizontal Reference Pt	Slot	XTREME 6 (RKB) to Mean Sea Level	4721.00ft
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	350.94°



# Actual Wellpath Report

WINTER 24-19 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#07 WINTER 24-19 (741'FSL & 914'FEL)
Area	COLORADO	Well	WINTER 24-19
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WINTER 24-19 AWB
Facility	SEC.19-T6N-R64W		

## 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	104.400	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	104.400	16.00	0.00	0.00	0.00	0.00	
158.00	0.100	104.400	158.00	-0.05	-0.03	0.12	0.07	
250.00	1.900	349.100	249.98	1.44	1.45	-0.09	2.11	
341.00	3.800	349.500	340.87	5.97	5.89	-0.93	2.09	
430.00	5.300	347.400	429.58	13.02	12.81	-2.36	1.70	
519.00	7.400	347.700	518.03	22.84	22.42	-4.48	2.36	
608.00	9.100	346.300	606.11	35.58	34.86	-7.37	1.92	
634.00	9.100	345.600	631.78	39.68	38.85	-8.36	0.43	
708.00	10.000	340.700	704.76	51.83	50.58	-11.94	1.64	
797.00	11.200	343.100	792.24	67.99	66.14	-17.01	1.44	
886.00	12.500	345.300	879.34	86.14	83.73	-21.97	1.55	
976.00	13.700	349.800	967.00	106.49	103.64	-26.33	1.75	
1065.00	15.600	350.200	1053.10	129.00	125.81	-30.23	2.14	
1154.00	16.700	352.600	1138.59	153.75	150.28	-33.91	1.45	
1242.00	18.500	351.200	1222.46	180.35	176.62	-37.68	2.10	
1333.00	20.300	351.600	1308.29	210.57	206.51	-42.19	1.98	
1420.00	21.500	350.900	1389.57	241.61	237.18	-46.92	1.41	
1508.00	22.300	351.200	1471.22	274.43	269.60	-52.02	0.92	
1597.00	22.200	347.700	1553.59	308.10	302.72	-58.19	1.49	
1686.00	22.000	348.800	1636.06	341.55	335.50	-65.01	0.52	
1775.00	22.400	348.400	1718.46	375.15	368.46	-71.66	0.48	
1865.00	22.200	349.100	1801.73	409.27	401.96	-78.32	0.37	
1952.00	22.000	349.500	1882.34	441.99	434.12	-84.40	0.29	
2041.00	21.800	353.700	1964.92	475.17	466.94	-89.25	1.77	
2128.00	21.100	352.800	2045.89	506.95	498.53	-92.99	0.89	
2215.00	21.100	350.500	2127.06	538.27	529.51	-97.53	0.95	
2304.00	21.800	354.700	2209.90	570.78	561.77	-101.70	1.90	
2392.00	22.700	355.400	2291.35	604.01	594.97	-104.57	1.07	
2483.00	22.600	352.600	2375.33	639.00	629.81	-108.24	1.19	
2571.00	23.700	350.900	2456.24	673.59	664.04	-113.21	1.46	
2660.00	23.700	350.200	2537.74	709.36	699.33	-119.08	0.32	
2746.00	22.900	349.100	2616.72	743.36	732.79	-125.19	1.06	
2836.00	22.200	346.700	2699.85	777.82	766.54	-132.41	1.28	
2925.00	23.600	349.500	2781.83	812.40	800.42	-139.53	1.99	
3014.00	23.900	352.300	2863.30	848.24	835.80	-145.19	1.31	
3101.00	23.200	349.800	2943.05	882.99	870.14	-150.59	1.40	
3189.00	25.100	349.800	3023.35	918.99	905.57	-156.96	2.16	
3276.00	24.500	348.100	3102.32	955.45	941.38	-163.95	1.07	
3365.00	22.800	347.400	3183.85	991.10	976.27	-171.52	1.94	
3453.00	22.400	352.300	3265.10	1024.88	1009.53	-177.48	2.19	
3542.00	23.000	353.000	3347.20	1059.21	1043.59	-181.87	0.74	
3631.00	21.800	355.100	3429.49	1093.07	1077.32	-185.41	1.62	
3720.00	21.200	354.000	3512.29	1125.62	1109.79	-188.50	0.81	
3807.00	20.700	354.400	3593.54	1156.68	1140.74	-191.64	0.60	



# Actual Wellpath Report

WINTER 24-19 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#07 WINTER 24-19 (741'FSL & 914'FEL)
Area	COLORADO	Well	WINTER 24-19
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WINTER 24-19 AWB
Facility	SEC.19-T6N-R64W		

## WELLPATH DATA (86 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3896.00	22.500	357.600	3676.29	1189.30	1173.41	-193.89	2.42	
3987.00	23.500	355.800	3760.06	1224.67	1208.90	-195.95	1.34	
4077.00	24.200	355.100	3842.37	1260.95	1245.18	-198.84	0.84	
4164.00	24.800	354.700	3921.54	1296.94	1281.11	-202.05	0.72	
4251.00	25.000	353.700	4000.45	1333.51	1317.55	-205.75	0.54	
4341.00	23.200	350.900	4082.60	1370.24	1353.96	-210.64	2.37	
4432.00	24.300	351.200	4165.90	1406.89	1390.17	-216.34	1.22	
4521.00	24.200	350.200	4247.04	1443.44	1426.24	-222.25	0.47	
4609.00	24.000	349.100	4327.37	1479.37	1461.59	-228.70	0.56	
4698.00	24.000	346.700	4408.68	1515.51	1496.98	-236.29	1.10	
4787.00	25.000	348.400	4489.67	1552.35	1533.01	-244.24	1.37	
4876.00	24.900	348.400	4570.36	1589.85	1569.79	-251.78	0.11	
4965.00	22.200	348.100	4651.94	1625.37	1604.60	-259.02	3.04	
5054.00	21.800	346.000	4734.46	1658.63	1637.09	-266.49	0.99	
5141.00	20.100	349.500	4815.71	1689.67	1667.47	-273.12	2.43	
5228.00	18.000	350.000	4897.94	1718.06	1695.41	-278.18	2.42	
5317.00	16.500	348.800	4982.94	1744.44	1721.35	-283.02	1.73	
5408.00	14.100	352.300	5070.71	1768.44	1745.01	-287.02	2.82	
5496.00	11.000	354.100	5156.59	1787.54	1763.99	-289.32	3.55	
5587.00	8.300	347.400	5246.30	1802.77	1779.04	-291.64	3.21	
5678.00	7.000	356.900	5336.49	1814.84	1790.99	-293.37	1.99	
5768.00	3.900	5.000	5426.08	1823.27	1799.52	-293.40	3.54	
5857.00	1.300	336.100	5514.98	1827.18	1803.46	-293.55	3.18	
5947.00	1.000	3.200	5604.96	1828.93	1805.17	-293.92	0.68	
6033.00	0.600	348.400	5690.95	1830.12	1806.36	-293.97	0.52	
6122.00	0.500	354.000	5779.95	1830.97	1807.21	-294.10	0.13	
6212.00	0.200	15.100	5869.95	1831.51	1807.75	-294.10	0.36	
6299.00	0.300	50.300	5956.95	1831.76	1808.04	-293.89	0.21	
6389.00	0.200	18.600	6046.95	1832.02	1808.34	-293.66	0.19	
6478.00	0.200	278.800	6135.95	1832.21	1808.51	-293.76	0.34	
6569.00	0.100	253.800	6226.95	1832.24	1808.51	-293.99	0.13	
6657.00	0.200	277.400	6314.95	1832.28	1808.51	-294.22	0.13	
6745.00	0.500	331.900	6402.94	1832.68	1808.87	-294.55	0.47	
6836.00	0.900	330.800	6493.94	1833.73	1809.84	-295.09	0.44	
6926.00	1.300	341.700	6583.92	1835.40	1811.43	-295.75	0.50	
7015.00	0.600	338.200	6672.91	1836.85	1812.82	-296.24	0.79	
7105.00	0.800	310.400	6762.90	1837.79	1813.67	-296.90	0.43	
7195.00	1.000	328.400	6852.89	1838.99	1814.74	-297.79	0.38	
7286.00	1.200	344.900	6943.87	1840.67	1816.34	-298.45	0.41	
7402.00	1.500	336.500	7059.84	1843.35	1818.90	-299.37	0.31	LAST BHI MWD SURVEY
7452.00	1.500	336.500	7109.82	1844.62	1820.10	-299.90	0.00	PROJECTION TO BIT



# Actual Wellpath Report

WINTER 24-19 AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#07 WINTER 24-19 (741'FSL & 914'FEL)
Area	COLORADO	Well	WINTER 24-19
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WINTER 24-19 AWB
Facility	SEC.19-T6N-R64W		

## HOLE & CASING SECTIONS Ref Wellbore: WINTER 24-19 AWB Ref Wellpath: WINTER 24-19 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	689.00	673.00	16.00	686.04	0.00	0.00	47.49	-10.90
8.625in Casing Surface	16.00	679.00	663.00	16.00	676.18	0.00	0.00	45.89	-10.38
7.875in Open Hole	679.00	7452.00	6773.00	676.18	7109.82	45.89	-10.38	1820.10	-299.90

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
WINTER 24-19 GEO TARGET 50' RADIUS (2560'FSL & 1200'FEL, REV-1)		6000.00	1816.85	-289.64	3253722.05	1415811.26	40°28'16.399"N	104°35'16.904"W	circle
WINTER 24-19 HARDLINE 84'N OF GEO TARGET		6000.00	1900.85	-289.64	3253721.18	1415895.25	40°28'17.229"N	104°35'16.904"W	point

## WELLPATH COMPOSITION Ref Wellbore: WINTER 24-19 AWB Ref Wellpath: WINTER 24-19 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	634.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <158-634>	WINTER 24-19 AWB
634.00	7402.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <708-7402>	WINTER 24-19 AWB
7402.00	7452.00	Blind Drilling (std)	Projection to bit	WINTER 24-19 AWB



# Actual Wellpath Report

WINTER 24-19 AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#07 WINTER 24-19 (741'FSL & 914'FEL)
Area	COLORADO	Well	WINTER 24-19
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WINTER 24-19 AWB
Facility	SEC.19-T6N-R64W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7402.00	1.500	336.500	7059.84	LAST BHI MWD SURVEY
7452.00	1.500	336.500	7109.82	PROJECTION TO BIT