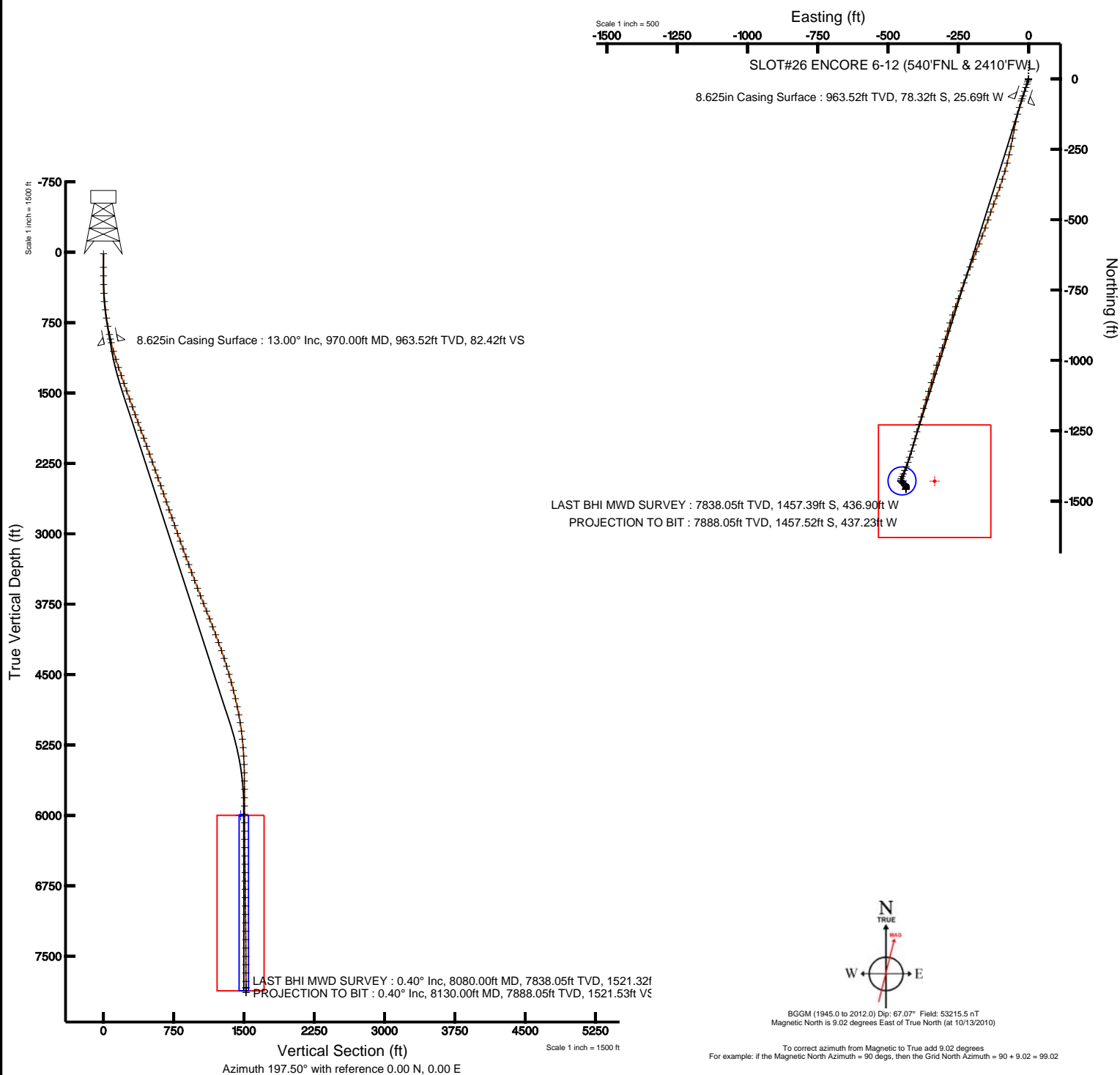




Location:	COLORADO	Slot:	SLOT#26 ENCORE 6-12 (540'FNL & 2410'FWL)
Field:	LARIMER COUNTY	Well:	ENCORE 6-12
Facility:	SEC.12-T5N-R68W	Wellbore:	ENCORE 6-12 PWB

Plot reference wellpath is ENCORE 6-12 (REV-A.0) PWP	
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: 4995 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.12-T5N-R68W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdahn on 1/12/2011





Actual Wellpath Report

ENCORE 6-12 AWP

Page 1 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 ENCORE 6-12 (540'FNL & 2410'FWL)
Area	COLORADO	Well	ENCORE 6-12
Field	LARIMER COUNTY	Wellbore	ENCORE 6-12 AWB
Facility	SEC.12-T5N-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	Cookdanm
Scale	0.999961	Report Generated	1/12/2011 at 12:45:21 PM
Convergence at slot	0.35° East	Database/Source file	Denver Server/ENCORE_6-12_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	2288.04	-2787.18	3151619.21	1396334.12	40°25'12.220"N	104°57'19.591"W
Facility Reference Pt			3154420.53	1394063.64	40°24'49.612"N	104°56'43.555"W
Field Reference Pt			3154420.53	1394063.64	40°24'49.612"N	104°56'43.555"W

WELLPATH DATUM

Calculation method	Minimum curvature	XTREME 6 (RKB) to Facility Vertical Datum	4995.00ft
Horizontal Reference Pt	Slot	XTREME 6 (RKB) to Mean Sea Level	4995.00ft
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	197.50°



Actual Wellpath Report

ENCORE 6-12 AWP

Page 2 of 5



REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 ENCORE 6-12 (540'FNL & 2410'FWL)
Area	COLORADO	Well	ENCORE 6-12
Field	LARIMER COUNTY	Wellbore	ENCORE 6-12 AWB
Facility	SEC.12-T5N-R68W		

WELLPATH DATA (93 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	66.700	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	66.700	16.00	0.00	0.00	0.00	0.00	
161.00	0.200	66.700	161.00	-0.17	0.10	0.23	0.14	
251.00	0.100	280.100	251.00	-0.26	0.18	0.30	0.32	
344.00	1.400	196.400	343.99	0.89	-0.90	-0.10	1.50	
437.00	3.100	200.300	436.92	4.54	-4.35	-1.29	1.83	
525.00	5.000	196.100	524.69	10.75	-10.26	-3.18	2.18	
613.00	6.700	198.200	612.23	19.71	-18.83	-5.85	1.95	
703.00	8.800	197.800	701.40	31.85	-30.37	-9.60	2.33	
791.00	10.500	199.200	788.15	46.60	-44.35	-14.29	1.95	
880.00	11.700	198.200	875.49	63.73	-60.58	-19.78	1.37	
930.00	11.700	198.900	924.45	73.86	-70.20	-23.00	0.28	
1065.00	16.100	195.700	1055.47	106.27	-101.18	-32.51	3.31	
1154.00	16.900	195.600	1140.80	131.54	-125.52	-39.32	0.90	
1244.00	18.400	192.200	1226.56	158.76	-152.01	-45.84	2.02	
1335.00	19.800	189.400	1312.55	188.32	-181.25	-51.40	1.84	
1424.00	20.000	190.400	1396.24	218.35	-211.10	-56.61	0.44	
1511.00	19.500	193.200	1478.12	247.59	-239.87	-62.61	1.23	
1602.00	20.000	192.200	1563.77	278.23	-269.86	-69.37	0.66	
1691.00	19.900	193.600	1647.43	308.50	-299.46	-76.14	0.55	
1780.00	19.400	197.800	1731.25	338.39	-328.26	-84.22	1.68	
1867.00	20.100	197.500	1813.13	367.79	-356.28	-93.14	0.81	
1956.00	20.500	197.800	1896.60	398.67	-385.70	-102.50	0.46	
2046.00	20.300	199.900	1980.96	430.03	-415.38	-112.63	0.84	
2137.00	20.000	201.700	2066.39	461.32	-444.69	-123.76	0.76	
2227.00	19.400	199.600	2151.13	491.61	-473.07	-134.46	1.03	
2316.00	19.400	198.900	2235.07	521.16	-500.98	-144.21	0.26	
2407.00	19.600	199.900	2320.85	551.51	-529.63	-154.30	0.43	
2496.00	19.900	201.000	2404.62	581.55	-557.80	-164.81	0.54	
2585.00	20.000	202.000	2488.28	611.84	-586.06	-175.94	0.40	
2676.00	18.600	200.600	2574.16	641.85	-614.07	-186.88	1.62	
2767.00	18.600	201.700	2660.41	670.81	-641.14	-197.35	0.39	
2856.00	19.600	201.700	2744.51	699.85	-668.20	-208.12	1.12	
2947.00	19.800	201.300	2830.18	730.46	-696.74	-219.36	0.27	
3034.00	19.800	200.600	2912.04	759.87	-724.26	-229.89	0.27	
3123.00	19.700	198.200	2995.80	789.92	-752.62	-239.88	0.92	
3211.00	19.600	199.900	3078.68	819.50	-780.59	-249.54	0.66	
3300.00	20.300	199.600	3162.34	849.85	-809.17	-259.80	0.79	
3389.00	20.300	199.200	3245.81	880.71	-838.30	-270.06	0.16	
3477.00	19.600	197.100	3328.53	910.72	-866.82	-279.42	1.14	
3567.00	19.600	194.700	3413.32	940.90	-895.85	-287.69	0.89	
3656.00	20.700	198.900	3496.87	971.53	-925.17	-296.57	2.04	
3745.00	21.200	198.200	3579.99	1003.35	-955.34	-306.69	0.63	
3832.00	21.700	198.200	3660.96	1035.16	-985.57	-316.63	0.57	
3920.00	22.200	197.100	3742.58	1068.06	-1016.91	-326.60	0.74	



Actual Wellpath Report

ENCORE 6-12 AWP

Page 3 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 ENCORE 6-12 (540'FNL & 2410'FWL)
Area	COLORADO	Well	ENCORE 6-12
Field	LARIMER COUNTY	Wellbore	ENCORE 6-12 AWB
Facility	SEC.12-T5N-R68W		

WELLPATH DATA (93 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4007.00	21.800	197.500	3823.25	1100.65	-1048.03	-336.29	0.49	
4096.00	21.100	197.100	3906.08	1133.19	-1079.10	-345.97	0.80	
4187.00	20.200	197.800	3991.24	1165.28	-1109.72	-355.59	1.03	
4277.00	20.700	195.700	4075.57	1196.72	-1139.82	-364.64	0.99	
4367.00	20.700	195.700	4159.76	1228.52	-1170.45	-373.25	0.00	
4458.00	19.500	195.700	4245.21	1259.77	-1200.56	-381.71	1.32	
4545.00	18.400	196.500	4327.50	1288.02	-1227.70	-389.54	1.30	
4634.00	17.100	196.400	4412.26	1315.14	-1253.72	-397.23	1.46	
4723.00	15.600	195.600	4497.66	1340.19	-1277.80	-404.14	1.70	
4812.00	15.000	195.000	4583.50	1363.66	-1300.45	-410.34	0.70	
4901.00	14.900	195.000	4669.49	1386.59	-1322.63	-416.28	0.11	
4990.00	13.500	198.900	4755.77	1408.41	-1343.51	-422.61	1.90	
5079.00	11.700	198.900	4842.62	1427.82	-1361.88	-428.90	2.02	
5166.00	10.500	204.100	4927.99	1444.51	-1377.46	-434.99	1.79	
5252.00	9.100	201.700	5012.74	1459.08	-1390.94	-440.71	1.70	
5342.00	7.700	204.100	5101.77	1472.17	-1403.05	-445.80	1.60	
5429.00	5.900	205.200	5188.16	1482.39	-1412.42	-450.08	2.07	
5519.00	4.300	202.400	5277.80	1490.34	-1419.73	-453.34	1.80	
5610.00	3.300	182.300	5368.60	1496.27	-1425.50	-454.74	1.81	
5699.00	3.200	164.400	5457.46	1500.82	-1430.45	-454.18	1.14	
5788.00	2.500	120.500	5546.36	1503.34	-1433.83	-451.84	2.50	
5876.00	1.800	120.500	5634.30	1504.08	-1435.50	-448.99	0.80	
5965.00	1.400	113.100	5723.26	1504.50	-1436.64	-446.79	0.50	
6054.00	1.400	104.700	5812.23	1504.55	-1437.34	-444.74	0.23	
6143.00	1.200	117.300	5901.21	1504.66	-1438.05	-442.86	0.39	
6231.00	1.100	126.800	5989.19	1505.09	-1438.97	-441.36	0.24	
6321.00	1.000	134.900	6079.18	1505.74	-1440.05	-440.11	0.20	
6410.00	1.000	124.300	6168.16	1506.32	-1441.03	-438.92	0.21	
6498.00	1.000	155.000	6256.15	1507.11	-1442.16	-437.96	0.60	
6586.00	0.900	151.100	6344.14	1508.15	-1443.46	-437.31	0.14	
6675.00	0.800	160.200	6433.13	1509.13	-1444.66	-436.76	0.19	
6763.00	0.700	184.100	6521.12	1510.14	-1445.77	-436.59	0.37	
6852.00	0.700	173.200	6610.12	1511.17	-1446.85	-436.56	0.15	
6942.00	0.700	160.200	6700.11	1512.10	-1447.92	-436.31	0.18	
7030.00	0.900	181.300	6788.10	1513.20	-1449.11	-436.14	0.40	
7118.00	0.700	184.100	6876.09	1514.38	-1450.34	-436.20	0.23	
7207.00	0.900	163.400	6965.08	1515.49	-1451.55	-436.04	0.39	
7298.00	0.600	187.000	7056.08	1516.55	-1452.71	-435.89	0.47	
7387.00	0.600	182.300	7145.07	1517.46	-1453.64	-435.97	0.06	
7477.00	0.500	140.900	7235.07	1518.13	-1454.41	-435.74	0.44	
7566.00	0.400	188.000	7324.07	1518.65	-1455.02	-435.54	0.42	
7656.00	0.400	143.300	7414.06	1519.14	-1455.59	-435.39	0.34	
7746.00	0.200	175.300	7504.06	1519.47	-1456.00	-435.19	0.28	
7834.00	0.500	240.000	7592.06	1519.90	-1456.34	-435.51	0.51	
7922.00	0.300	216.000	7680.06	1520.40	-1456.72	-435.98	0.29	



Actual Wellpath Report

ENCORE 6-12 AWP

Page 4 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 ENCORE 6-12 (540'FNL & 2410'FWL)
Area	COLORADO	Well	ENCORE 6-12
Field	LARIMER COUNTY	Wellbore	ENCORE 6-12 AWB
Facility	SEC.12-T5N-R68W		

WELLPATH DATA (93 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8012.00	0.500	234.400	7770.06	1520.94	-1457.14	-436.44	0.26	
8080.00	0.400	249.500	7838.05	1521.32	-1457.39	-436.90	0.23	LAST BHI MWD SURVEY
8130.00	0.400	249.500	7888.05	1521.53	-1457.52	-437.23	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: ENCORE 6-12 AWB Ref Wellpath: ENCORE 6-12 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	980.00	964.00	16.00	973.26	0.00	0.00	-80.49	-26.37
8.625in Casing Surface	16.00	970.00	954.00	16.00	963.52	0.00	0.00	-78.32	-25.69
7.875in Open Hole	970.00	8130.00	7160.00	963.52	7888.05	-78.32	-25.69	-1457.52	-437.23

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
ENCORE 6-12 GEO TARGET 50' RADIUS (1980'FNL & 1980'FWL, REV-1)		6000.00	-1428.10	-450.26	3151177.74	1394903.34	40°24'58.108"N	104°57'25.412"W	circle
ENCORE 6-12 LEGAL BOX (199'N,201'S,84'W,316'E OF THE GEO TARGET)		6000.00	-1429.10	-334.26	3151293.75	1394903.05	40°24'58.098"N	104°57'23.913"W	square

WELLPATH COMPOSITION Ref Wellbore: ENCORE 6-12 AWB Ref Wellpath: ENCORE 6-12 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	930.00	NaviTrak (Standard)	BHI MWD SURVEY 12.25 HOLE <161-930>	ENCORE 6-12 AWB
930.00	8080.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <1065-8080>	ENCORE 6-12 AWB
8080.00	8130.00	Blind Drilling (std)	Projection to bit	ENCORE 6-12 AWB



Actual Wellpath Report

ENCORE 6-12 AWP

Page 5 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

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Area	COLORADO	Well	ENCORE 6-12
Field	LARIMER COUNTY	Wellbore	ENCORE 6-12 AWB
Facility	SEC.12-T5N-R68W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8080.00	0.400	249.500	7838.05	LAST BHI MWD SURVEY
8130.00	0.400	249.500	7888.05	PROJECTION TO BIT