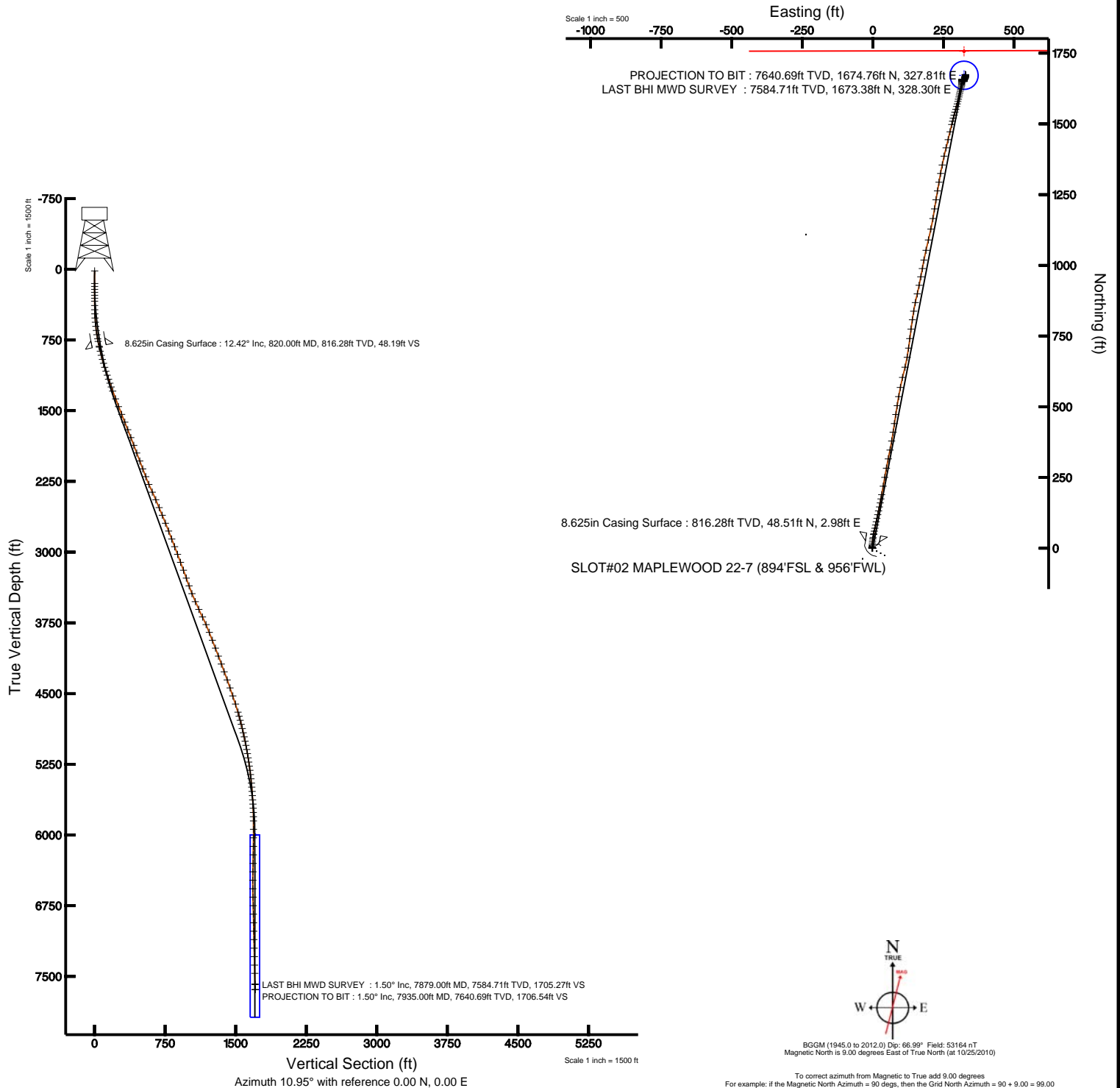


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#02 MAPLEWOOD 22-7 (894'FSL & 956'FWL)
 Field: WELD COUNTY (KERR MCGEE) Well: MAPLEWOOD 22-7
 Facility: SEC.07-T4N-R67W Wellbore: MAPLEWOOD 22-7 PWB

Plot reference wellpath is MAPLEWOOD 22-7 (REV-A.0) PWP	
True vertical depths are referenced to XTREME 8 (RKB)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 8 (RKB)	North Reference: True north
XTREME 8 (RKB) to Mean Sea Level: 4865 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.07-T4N-R67W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdamm on 1/12/2011





Actual Wellpath Report

MAPLEWOOD 22-7 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 MAPLEWOOD 22-7 (894'FSL & 956'FWL)
Area	COLORADO	Well	MAPLEWOOD 22-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 22-7 AWP
Facility	SEC.07-T4N-R67W		

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	1/12/2011 at 10:42:20 PM
Convergence at slot	0.36° East	Database/Source file	Denver Server/MAPLEWOOD_22-7_AWP.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-7.29	11.15	3156606.55	1361162.38	40°19'24.348"N	104°56'17.988"W
Facility Reference Pt			3156595.35	1361169.60	40°19'24.420"N	104°56'18.132"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 (RKB) to Facility Vertical Datum	4865.00ft
Horizontal Reference Pt	Slot	XTREME 8 (RKB) to Mean Sea Level	4865.00ft
Vertical Reference Pt	XTREME 8 (RKB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 8 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	10.95°



Actual Wellpath Report

MAPLEWOOD 22-7 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 MAPLEWOOD 22-7 (894'FSL & 956'FWL)
Area	COLORADO	Well	MAPLEWOOD 22-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 22-7 AWP
Facility	SEC.07-T4N-R67W		

WELLPATH DATA (118 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	274.100	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	274.100	17.00	0.00	0.00	0.00	0.00	
151.00	0.800	274.100	151.00	-0.11	0.07	-0.93	0.60	
182.00	0.700	275.800	181.99	-0.15	0.10	-1.34	0.33	
213.00	0.700	274.100	212.99	-0.19	0.13	-1.71	0.07	
244.00	0.600	273.700	243.99	-0.24	0.16	-2.07	0.32	
275.00	0.600	257.600	274.99	-0.32	0.13	-2.39	0.54	
306.00	0.500	258.200	305.99	-0.44	0.07	-2.68	0.32	
338.00	0.500	262.100	337.98	-0.54	0.02	-2.95	0.11	
384.00	0.400	323.300	383.98	-0.49	0.12	-3.25	1.01	
429.00	1.100	12.200	428.98	0.04	0.67	-3.25	1.98	
473.00	2.500	13.900	472.96	1.42	2.02	-2.93	3.18	
516.00	3.800	9.000	515.89	3.78	4.34	-2.48	3.08	
562.00	5.200	5.800	561.75	7.38	7.91	-2.03	3.09	
605.00	6.500	4.100	604.52	11.74	12.28	-1.66	3.05	
650.00	7.900	3.700	649.17	17.34	17.91	-1.28	3.11	
695.00	9.400	3.700	693.65	24.05	24.66	-0.84	3.33	
739.00	10.900	8.300	736.96	31.77	32.36	-0.01	3.87	
767.00	11.500	10.400	764.43	37.21	37.73	0.88	2.59	
830.00	12.600	11.800	826.04	50.36	50.63	3.41	1.81	
873.00	13.000	11.500	867.97	59.89	59.96	5.34	0.94	
918.00	14.200	12.200	911.71	70.47	70.32	7.51	2.69	
963.00	15.400	11.100	955.22	81.96	81.58	9.83	2.74	
1007.00	16.100	11.800	997.57	93.90	93.28	12.20	1.65	
1051.00	17.100	12.200	1039.73	106.47	105.58	14.82	2.29	
1094.00	17.900	11.500	1080.74	119.40	118.23	17.47	1.92	
1138.00	18.500	13.600	1122.54	133.13	131.64	20.46	2.02	
1183.00	18.900	11.500	1165.16	147.55	145.72	23.59	1.74	
1228.00	18.900	10.400	1207.74	162.13	160.03	26.36	0.79	
1271.00	19.300	9.700	1248.37	176.20	173.89	28.82	1.07	
1317.00	20.000	9.400	1291.69	191.66	189.14	31.38	1.54	
1405.00	20.600	10.800	1374.23	222.19	219.20	36.74	0.88	
1493.00	21.500	9.700	1456.35	253.79	250.30	42.36	1.12	
1582.00	22.200	10.800	1538.96	286.91	282.89	48.26	0.91	
1671.00	22.100	12.200	1621.39	320.46	315.77	54.95	0.60	
1757.00	21.400	10.400	1701.27	352.32	347.02	61.20	1.12	
1847.00	21.000	10.100	1785.18	384.87	379.04	66.99	0.46	
1935.00	20.700	8.700	1867.42	416.18	409.94	72.11	0.66	
2022.00	20.800	8.300	1948.77	446.97	440.43	76.66	0.20	
2113.00	20.900	9.400	2033.82	479.34	472.43	81.65	0.44	
2202.00	21.100	8.700	2116.90	511.21	503.93	86.66	0.36	
2291.00	21.200	9.400	2199.91	543.31	535.64	91.71	0.31	
2379.00	23.000	10.800	2281.44	576.41	568.23	97.53	2.13	
2469.00	24.700	13.900	2363.76	612.77	603.76	105.35	2.35	
2558.00	24.800	13.900	2444.58	649.99	639.93	114.30	0.11	



Actual Wellpath Report

MAPLEWOOD 22-7 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 MAPLEWOOD 22-7 (894'FSL & 956'FWL)
Area	COLORADO	Well	MAPLEWOOD 22-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 22-7 AWB
Facility	SEC.07-T4N-R67W		

WELLPATH DATA (118 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2648.00	22.200	11.100	2527.11	685.85	674.94	122.11	3.14	
2736.00	21.600	5.800	2608.77	718.61	707.37	126.95	2.35	
2827.00	22.100	7.200	2693.23	752.37	741.02	130.78	0.79	
2917.00	22.200	8.000	2776.59	786.25	774.65	135.27	0.35	
3008.00	20.600	9.000	2861.31	819.42	807.49	140.17	1.80	
3095.00	20.900	9.400	2942.67	850.23	837.92	145.10	0.38	
3182.00	20.800	11.800	3023.97	881.18	868.35	150.79	0.99	
3272.00	20.500	13.200	3108.19	912.91	899.33	157.66	0.64	
3361.00	20.200	11.100	3191.64	943.85	929.59	164.17	0.89	
3450.00	19.900	11.500	3275.24	974.36	959.51	170.15	0.37	
3538.00	19.400	9.700	3358.12	1003.95	988.59	175.60	0.89	
3626.00	21.400	11.100	3440.60	1034.62	1018.75	181.16	2.34	
3718.00	23.700	13.200	3525.56	1069.88	1053.23	188.61	2.65	
3808.00	25.800	12.900	3607.29	1107.53	1089.93	197.11	2.34	
3898.00	26.300	12.200	3688.14	1147.04	1128.51	205.70	0.65	
3987.00	24.000	10.400	3768.70	1184.86	1165.59	213.13	2.72	
4076.00	21.700	8.700	3850.71	1219.40	1199.67	218.89	2.69	
4166.00	20.900	9.000	3934.57	1252.07	1231.97	223.92	0.90	
4256.00	20.700	9.700	4018.70	1284.02	1263.50	229.11	0.35	
4346.00	20.000	10.400	4103.08	1315.31	1294.32	234.57	0.82	
4436.00	20.500	11.100	4187.52	1346.46	1324.92	240.38	0.62	
4524.00	20.400	10.000	4269.97	1377.21	1355.15	246.01	0.45	
4615.00	20.300	13.200	4355.30	1408.84	1386.14	252.37	1.23	
4705.00	19.100	15.000	4440.03	1439.13	1415.56	259.75	1.49	
4796.00	19.200	13.900	4525.99	1468.92	1444.47	267.20	0.41	
4886.00	18.100	12.500	4611.27	1497.68	1472.48	273.78	1.32	
4976.00	16.100	13.900	4697.28	1524.12	1498.25	279.80	2.27	
5021.00	14.900	12.900	4740.65	1536.13	1509.95	282.59	2.73	
5065.00	14.000	15.000	4783.25	1547.10	1520.60	285.23	2.37	
5110.00	14.000	15.300	4826.92	1557.95	1531.11	288.08	0.16	
5156.00	13.800	16.700	4871.57	1568.96	1541.73	291.12	0.85	
5202.00	13.200	16.000	4916.30	1579.65	1552.03	294.15	1.35	
5247.00	12.700	15.700	4960.15	1589.70	1561.74	296.90	1.12	
5293.00	11.800	14.300	5005.11	1599.43	1571.16	299.43	2.06	
5338.00	10.600	13.900	5049.25	1608.16	1579.64	301.56	2.67	
5383.00	10.500	13.600	5093.49	1616.39	1587.64	303.52	0.25	
5428.00	9.900	12.500	5137.78	1624.35	1595.40	305.32	1.40	
5473.00	8.900	10.400	5182.17	1631.70	1602.60	306.79	2.35	
5519.00	8.500	10.800	5227.64	1638.66	1609.44	308.07	0.88	
5562.00	8.100	16.700	5270.19	1644.85	1615.47	309.53	2.19	
5607.00	7.500	14.600	5314.78	1650.94	1621.35	311.18	1.48	
5652.00	7.000	15.000	5359.42	1656.60	1626.84	312.63	1.12	
5697.00	6.300	13.200	5404.11	1661.80	1631.89	313.91	1.62	
5743.00	5.300	6.500	5449.88	1666.44	1636.46	314.72	2.62	
5786.00	4.900	4.100	5492.71	1670.25	1640.26	315.08	1.05	



Actual Wellpath Report

MAPLEWOOD 22-7 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 MAPLEWOOD 22-7 (894'FSL & 956'FWL)
Area	COLORADO	Well	MAPLEWOOD 22-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 22-7 AWB
Facility	SEC.07-T4N-R67W		

WELLPATH DATA (118 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5831.00	4.600	358.500	5537.55	1673.92	1643.98	315.17	1.23	
5876.00	3.800	355.300	5582.43	1677.12	1647.27	315.00	1.85	
5921.00	3.600	2.000	5627.34	1679.95	1650.17	314.93	1.06	
5966.00	3.400	8.300	5672.26	1682.68	1652.90	315.17	0.96	
6010.00	2.800	21.300	5716.19	1685.04	1655.20	315.75	2.09	
6055.00	1.900	16.000	5761.15	1686.86	1656.94	316.35	2.06	
6100.00	0.700	18.500	5806.14	1687.88	1657.91	316.65	2.67	
6145.00	0.400	106.000	5851.14	1688.14	1658.13	316.89	1.76	
6234.00	0.500	84.600	5940.14	1688.22	1658.08	317.57	0.22	
6324.00	0.600	100.800	6030.13	1688.33	1658.03	318.42	0.20	
6415.00	1.500	131.000	6121.12	1687.73	1657.16	319.79	1.13	
6505.00	1.500	145.500	6211.09	1686.32	1655.42	321.35	0.42	
6596.00	1.500	158.800	6302.06	1684.47	1653.32	322.45	0.38	
6685.00	1.100	160.900	6391.03	1682.75	1651.43	323.15	0.45	
6775.00	1.000	235.400	6481.02	1681.44	1650.17	322.79	1.42	
6865.00	1.200	356.700	6571.01	1681.79	1650.66	322.09	2.13	
6954.00	1.500	18.100	6659.99	1683.85	1652.70	322.40	0.65	
7044.00	1.300	26.600	6749.96	1686.00	1654.73	323.22	0.32	
7134.00	1.200	43.500	6839.94	1687.78	1656.33	324.33	0.42	
7225.00	1.100	26.600	6930.92	1689.43	1657.80	325.37	0.39	
7315.00	1.400	29.400	7020.90	1691.30	1659.53	326.30	0.34	
7404.00	1.500	26.900	7109.87	1693.45	1661.52	327.36	0.13	
7495.00	1.400	20.600	7200.84	1695.69	1663.62	328.29	0.21	
7585.00	1.600	7.600	7290.81	1698.03	1665.90	328.84	0.44	
7675.00	1.400	5.100	7380.78	1700.38	1668.24	329.11	0.23	
7763.00	1.500	351.400	7468.75	1702.53	1670.45	329.03	0.41	
7879.00	1.500	340.500	7584.71	1705.27	1673.38	328.30	0.25	LAST BHI MWD SURVEY
7935.00	1.500	340.500	7640.69	1706.54	1674.76	327.81	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: MAPLEWOOD 22-7 AWB Ref Wellpath: MAPLEWOOD 22-7 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	820.00	803.00	17.00	816.28	0.00	0.00	48.51	2.98
8.625in Casing Surface	17.00	820.00	803.00	17.00	816.28	0.00	0.00	48.51	2.98
7.875in Open Hole	820.00	7935.00	7115.00	816.28	7640.69	48.51	2.98	1674.76	327.81



Actual Wellpath Report

MAPLEWOOD 22-7 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 MAPLEWOOD 22-7 (894'FSL & 956'FWL)
Area	COLORADO	Well	MAPLEWOOD 22-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 22-7 AWB
Facility	SEC.07-T4N-R67W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
MAPLEWOOD 22-7 GEO TARGET 50' RADIUS (2580'FSL & 1280'FWL, REV- 1)		6000.00	1672.17	323.43	3156919.36	1362836.49	40°19'40.872"N	104°56'13.812"W	circle
MAPLEWOOD 22-7 HARDLINE 85'N OF GEO TARGET		6000.00	1757.17	323.43	3156918.83	1362921.49	40°19'41.712"N	104°56'13.812"W	point

WELLPATH COMPOSITION					Ref Wellbore: MAPLEWOOD 22-7 AWB	Ref Wellpath: MAPLEWOOD 22-7 AWP
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore	
17.00	830.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <151-830>		MAPLEWOOD 22-7 AWB	
830.00	7879.00	NaviTrak (Standard)	BHI MWD SURVEY 7.875 HOLE <873-7879>		MAPLEWOOD 22-7 AWB	
7879.00	7935.00	Blind Drilling (std)	Projection to bit		MAPLEWOOD 22-7 AWB	



Actual Wellpath Report

MAPLEWOOD 22-7 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 MAPLEWOOD 22-7 (894'FSL & 956'FWL)
Area	COLORADO	Well	MAPLEWOOD 22-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 22-7 AWB
Facility	SEC.07-T4N-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7879.00	1.500	340.500	7584.71	LAST BHI MWD SURVEY
7935.00	1.500	340.500	7640.69	PROJECTION TO BIT