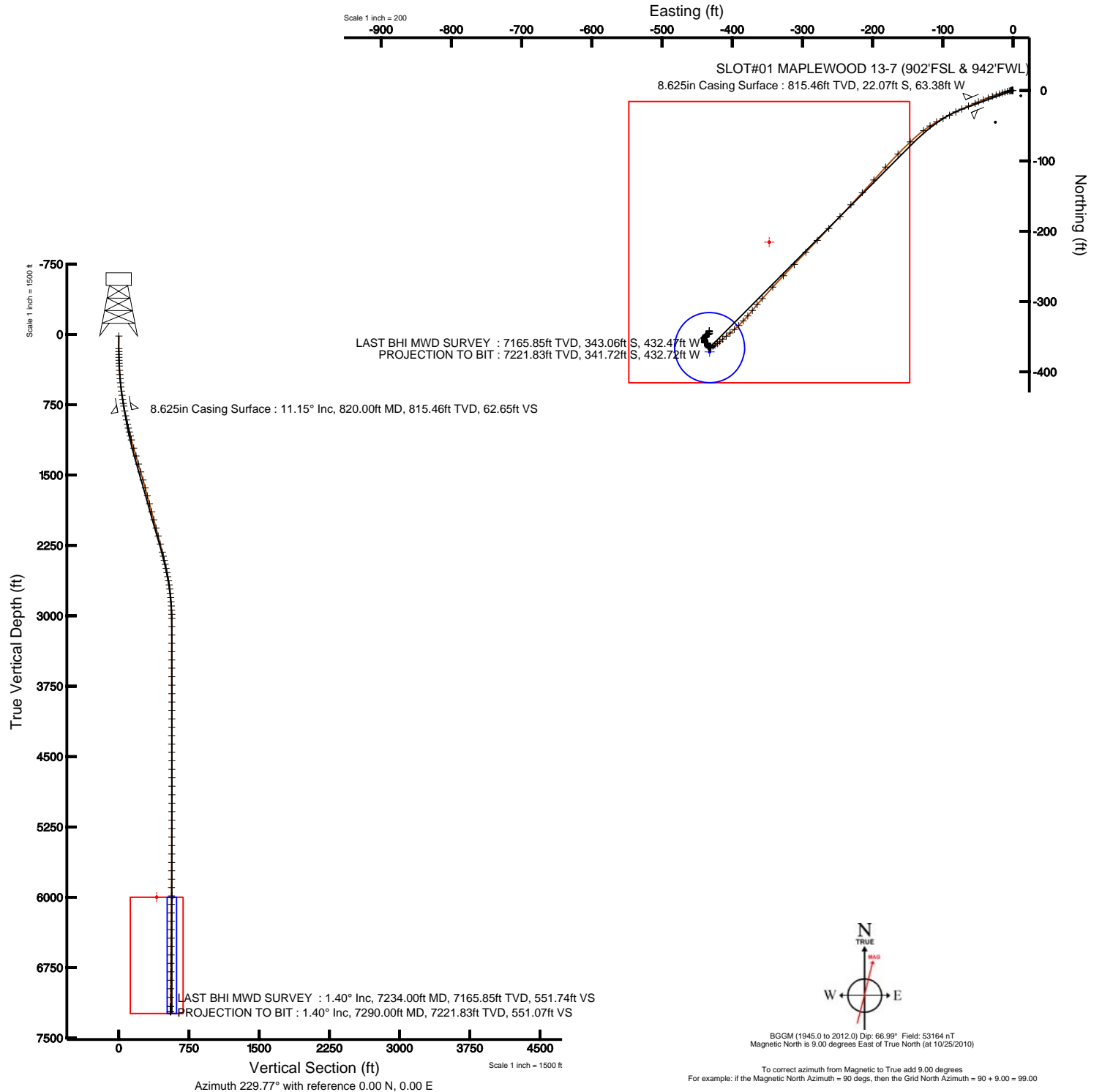


# KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#01 MAPLEWOOD 13-7 (902'FSL & 942'FWL)  
 Field: WELD COUNTY (KERR MCGEE) Well: MAPLEWOOD 13-7  
 Facility: SEC.07-T4N-R67W Wellbore: MAPLEWOOD 13-7 PWB



Plot reference wellpath is MAPLEWOOD 13-7 (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: cookdarn on 1/12/2011





# Actual Wellpath Report

MAPLEWOOD 13-7 AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 MAPLEWOOD 13-7 (902'FSL & 942'FWL)
Area	COLORADO	Well	MAPLEWOOD 13-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 13-7 AWB
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 2:24:30 PM
Convergence at slot	0.36° East	Database/Source file	Denver Server/MAPLEWOOD_13-7_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	3156595.35	1361169.60	40°19'24.420"N	104°56'18.132"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	229.77°



# Actual Wellpath Report

MAPLEWOOD 13-7 AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 MAPLEWOOD 13-7 (902'FSL & 942'FWL)
Area	COLORADO	Well	MAPLEWOOD 13-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 13-7 AWB
Facility	SEC.07-T4N-R67W		

## WELLPATH DATA (103 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	298.700	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	298.700	17.00	0.00	0.00	0.00	0.00	
151.00	0.470	298.700	151.00	0.20	0.26	-0.48	0.35	
182.00	0.500	269.200	182.00	0.35	0.32	-0.73	0.80	
213.00	1.000	269.200	212.99	0.66	0.32	-1.13	1.61	
244.00	1.500	259.700	243.99	1.22	0.24	-1.80	1.74	
275.00	1.900	258.300	274.97	2.02	0.06	-2.71	1.30	
306.00	2.500	256.900	305.95	3.08	-0.19	-3.87	1.94	
337.00	3.300	257.600	336.91	4.47	-0.54	-5.40	2.58	
383.00	4.000	253.700	382.82	7.11	-1.27	-8.23	1.61	
428.00	4.700	254.400	427.69	10.22	-2.21	-11.51	1.56	
472.00	5.300	249.500	471.52	13.77	-3.41	-15.15	1.67	
516.00	5.900	252.300	515.31	17.77	-4.80	-19.21	1.50	
561.00	7.000	251.900	560.02	22.45	-6.36	-24.02	2.45	
605.00	7.800	248.800	603.66	27.75	-8.27	-29.35	2.03	
650.00	8.800	248.400	648.19	33.90	-10.64	-35.40	2.23	
695.00	9.800	248.100	692.59	40.80	-13.34	-42.15	2.22	
738.00	10.500	248.100	734.92	47.99	-16.17	-49.19	1.63	
767.00	10.700	247.700	763.43	53.06	-18.17	-54.13	0.73	
873.00	11.600	245.600	867.42	72.68	-26.31	-72.94	0.93	
918.00	12.600	242.400	911.42	81.82	-30.45	-81.41	2.68	
963.00	13.400	243.100	955.27	91.69	-35.09	-90.41	1.81	
1007.00	13.600	243.800	998.05	101.67	-39.68	-99.60	0.59	
1050.00	14.200	240.700	1039.80	111.75	-44.49	-108.73	2.22	
1094.00	15.000	235.800	1082.38	122.71	-50.33	-118.15	3.34	
1137.00	15.900	232.200	1123.82	134.13	-57.07	-127.41	3.06	
1228.00	15.600	227.000	1211.41	158.81	-73.06	-146.21	1.59	
1316.00	16.800	224.200	1295.92	183.28	-90.24	-163.73	1.63	
1405.00	16.800	223.100	1381.12	208.86	-108.86	-181.48	0.36	
1493.00	15.900	221.300	1465.56	233.41	-127.20	-198.13	1.17	
1582.00	16.000	223.500	1551.13	257.67	-145.25	-214.62	0.69	
1670.00	15.200	223.100	1635.89	281.18	-162.48	-230.85	0.92	
1757.00	15.100	223.100	1719.87	303.76	-179.08	-246.38	0.11	
1846.00	15.400	222.800	1805.73	327.01	-196.21	-262.33	0.35	
1935.00	15.300	225.900	1891.56	350.45	-213.05	-278.79	0.93	
2022.00	15.900	222.400	1975.36	373.72	-229.84	-295.07	1.28	
2113.00	14.800	223.800	2063.11	397.65	-247.44	-311.52	1.28	
2201.00	14.500	224.500	2148.25	419.80	-263.41	-327.03	0.40	
2290.00	14.300	222.400	2234.45	441.79	-279.47	-342.25	0.63	
2379.00	14.500	222.100	2320.66	463.73	-295.86	-357.13	0.24	
2424.00	14.400	219.200	2364.23	474.82	-304.37	-364.44	1.62	
2469.00	13.600	219.200	2407.90	485.52	-312.81	-371.32	1.78	
2513.00	12.800	221.300	2450.73	495.43	-320.48	-377.81	2.12	
2558.00	12.000	222.800	2494.68	505.00	-327.66	-384.28	1.92	
2603.00	11.100	225.900	2538.77	513.96	-334.10	-390.57	2.43	



# Actual Wellpath Report

MAPLEWOOD 13-7 AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 MAPLEWOOD 13-7 (902'FSL & 942'FWL)
Area	COLORADO	Well	MAPLEWOOD 13-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 13-7 AWB
Facility	SEC.07-T4N-R67W		

## WELLPATH DATA (103 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2648.00	10.700	229.800	2582.96	522.46	-339.81	-396.87	1.86	
2692.00	9.900	231.500	2626.25	530.33	-344.81	-402.95	1.94	
2736.00	8.900	230.500	2669.66	537.51	-349.33	-408.54	2.30	
2781.00	7.600	228.400	2714.19	543.97	-353.52	-413.45	2.97	
2827.00	6.200	229.400	2759.86	549.50	-357.15	-417.61	3.05	
2872.00	5.200	237.200	2804.64	553.95	-359.84	-421.17	2.81	
2917.00	4.700	240.300	2849.47	557.78	-361.86	-424.48	1.26	
2962.00	3.900	242.100	2894.34	561.09	-363.49	-427.44	1.80	
3007.00	3.600	253.700	2939.25	563.88	-364.60	-430.15	1.81	
3051.00	3.700	284.300	2983.16	565.96	-364.64	-432.85	4.38	
3095.00	1.100	299.700	3027.12	566.93	-364.08	-434.59	6.04	
3182.00	2.100	99.700	3114.10	566.19	-363.93	-433.74	3.63	
3272.00	0.600	101.500	3204.08	564.84	-364.30	-431.66	1.67	
3361.00	0.400	99.700	3293.07	564.35	-364.45	-430.89	0.23	
3450.00	0.300	161.900	3382.07	564.24	-364.72	-430.52	0.42	
3538.00	0.200	189.700	3470.07	564.44	-365.09	-430.47	0.18	
3626.00	0.300	227.000	3558.07	564.79	-365.40	-430.66	0.21	
3717.00	0.400	214.300	3649.07	565.33	-365.82	-431.02	0.14	
3807.00	0.400	233.300	3739.07	565.95	-366.27	-431.45	0.15	
3898.00	0.400	312.400	3830.07	566.31	-366.25	-431.94	0.56	
3987.00	0.600	339.500	3919.06	566.19	-365.60	-432.33	0.34	
4075.00	0.800	337.000	4007.06	565.85	-364.60	-432.73	0.23	
4166.00	1.400	317.700	4098.04	565.71	-363.20	-433.73	0.77	
4255.00	1.600	352.800	4187.01	565.07	-361.16	-434.61	1.04	
4345.00	0.700	318.000	4276.99	564.40	-359.51	-435.14	1.22	
4436.00	0.500	290.600	4367.99	564.61	-358.95	-435.88	0.38	
4524.00	0.700	255.500	4455.98	565.28	-358.95	-436.76	0.46	
4614.00	0.600	280.800	4545.98	566.07	-359.00	-437.76	0.33	
4705.00	0.900	309.200	4636.97	566.50	-358.46	-438.78	0.52	
4795.00	0.200	238.900	4726.96	566.79	-358.10	-439.46	0.95	
4885.00	0.100	51.900	4816.96	566.87	-358.13	-439.53	0.33	
4976.00	0.300	19.200	4907.96	566.58	-357.85	-439.39	0.24	
5065.00	0.200	18.500	4996.96	566.25	-357.49	-439.27	0.11	
5156.00	0.200	53.300	5087.96	565.95	-357.24	-439.09	0.13	
5247.00	0.200	10.100	5178.96	565.67	-356.99	-438.93	0.16	
5337.00	0.400	326.500	5268.96	565.52	-356.57	-439.08	0.32	
5428.00	0.200	4.400	5359.96	565.37	-356.15	-439.24	0.30	
5518.00	0.400	358.500	5449.96	565.06	-355.68	-439.24	0.22	
5607.00	0.700	342.300	5538.95	564.66	-354.85	-439.41	0.38	
5697.00	1.100	343.000	5628.94	564.11	-353.50	-439.83	0.44	
5786.00	0.700	336.300	5717.93	563.61	-352.19	-440.30	0.46	
5876.00	0.400	105.700	5807.93	563.28	-351.77	-440.22	1.11	
5966.00	0.400	42.400	5897.93	562.79	-351.62	-439.71	0.47	
6055.00	0.700	21.000	5986.92	562.01	-350.88	-439.30	0.40	
6145.00	0.500	63.500	6076.92	561.15	-350.20	-438.75	0.53	



# Actual Wellpath Report

MAPLEWOOD 13-7 AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 MAPLEWOOD 13-7 (902'FSL & 942'FWL)
Area	COLORADO	Well	MAPLEWOOD 13-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 13-7 AWB
Facility	SEC.07-T4N-R67W		

## WELLPATH DATA (103 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
6234.00	0.500	30.800	6165.92	560.40	-349.69	-438.21	0.32	
6324.00	0.800	9.700	6255.91	559.55	-348.73	-437.90	0.42	
6414.00	0.400	35.700	6345.91	558.76	-347.86	-437.61	0.53	
6505.00	0.300	72.600	6436.90	558.24	-347.53	-437.20	0.26	
6595.00	0.400	79.300	6526.90	557.75	-347.40	-436.66	0.12	
6684.00	0.700	43.500	6615.90	556.93	-346.95	-435.98	0.50	
6774.00	0.300	116.200	6705.89	556.29	-346.65	-435.39	0.75	
6864.00	0.400	122.600	6795.89	556.11	-346.93	-434.92	0.12	
6953.00	0.900	72.600	6884.89	555.37	-346.88	-433.99	0.80	
7044.00	0.800	53.700	6975.88	554.08	-346.29	-432.80	0.33	
7134.00	1.000	1.600	7065.87	552.93	-345.14	-432.27	0.90	
7234.00	1.400	349.300	7165.85	551.74	-343.06	-432.47	0.47	LAST BHI MWD SURVEY
7290.00	1.400	349.300	7221.83	551.07	-341.72	-432.72	0.00	PROJECTION TO BIT

## HOLE & CASING SECTIONS Ref Wellbore: MAPLEWOOD 13-7 AWB Ref Wellpath: MAPLEWOOD 13-7 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	830.00	813.00	17.00	825.27	0.00	0.00	-22.85	-65.16
8.625in Casing Surface	17.00	820.00	803.00	17.00	815.46	0.00	0.00	-22.07	-63.38
7.875in Open Hole	820.00	7290.00	6470.00	815.46	7221.83	-22.07	-63.38	-341.72	-432.72

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
MAPLEWOOD 13-7 BHL ON PLAT (510'FSL & 510'FWL, REV-1)		6000.00	-371.59	-432.20	3156165.52	1360795.29	40°19'20.748"N	104°56'23.712"W	point
MAPLEWOOD 13-7 GEO TARGET 50' RADIUS (516'FSL 7 510'FWL, REV-2)		6000.00	-365.59	-432.20	3156165.49	1360801.29	40°19'20.807"N	104°56'23.712"W	circle
MAPLEWOOD 13-7 LEGAL BOX (50'S,350'N,115'W,285'E OF GEO TARGET)		6000.00	-215.59	-347.20	3156249.54	1360951.82	40°19'22.290"N	104°56'22.615"W	square

## WELLPATH COMPOSITION Ref Wellbore: MAPLEWOOD 13-7 AWB Ref Wellpath: MAPLEWOOD 13-7 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	873.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <151-873>	MAPLEWOOD 13-7 AWB
873.00	7234.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <918-7234>	MAPLEWOOD 13-7 AWB
7234.00	7290.00	Blind Drilling (std)	Projection to bit	MAPLEWOOD 13-7 AWB



# Actual Wellpath Report

MAPLEWOOD 13-7 AWP

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**INTEQ**

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 MAPLEWOOD 13-7 (902'FSL & 942'FWL)
Area	COLORADO	Well	MAPLEWOOD 13-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 13-7 AWB
Facility	SEC.07-T4N-R67W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7234.00	1.400	349.300	7165.85	LAST BHI MWD SURVEY
7290.00	1.400	349.300	7221.83	PROJECTION TO BIT