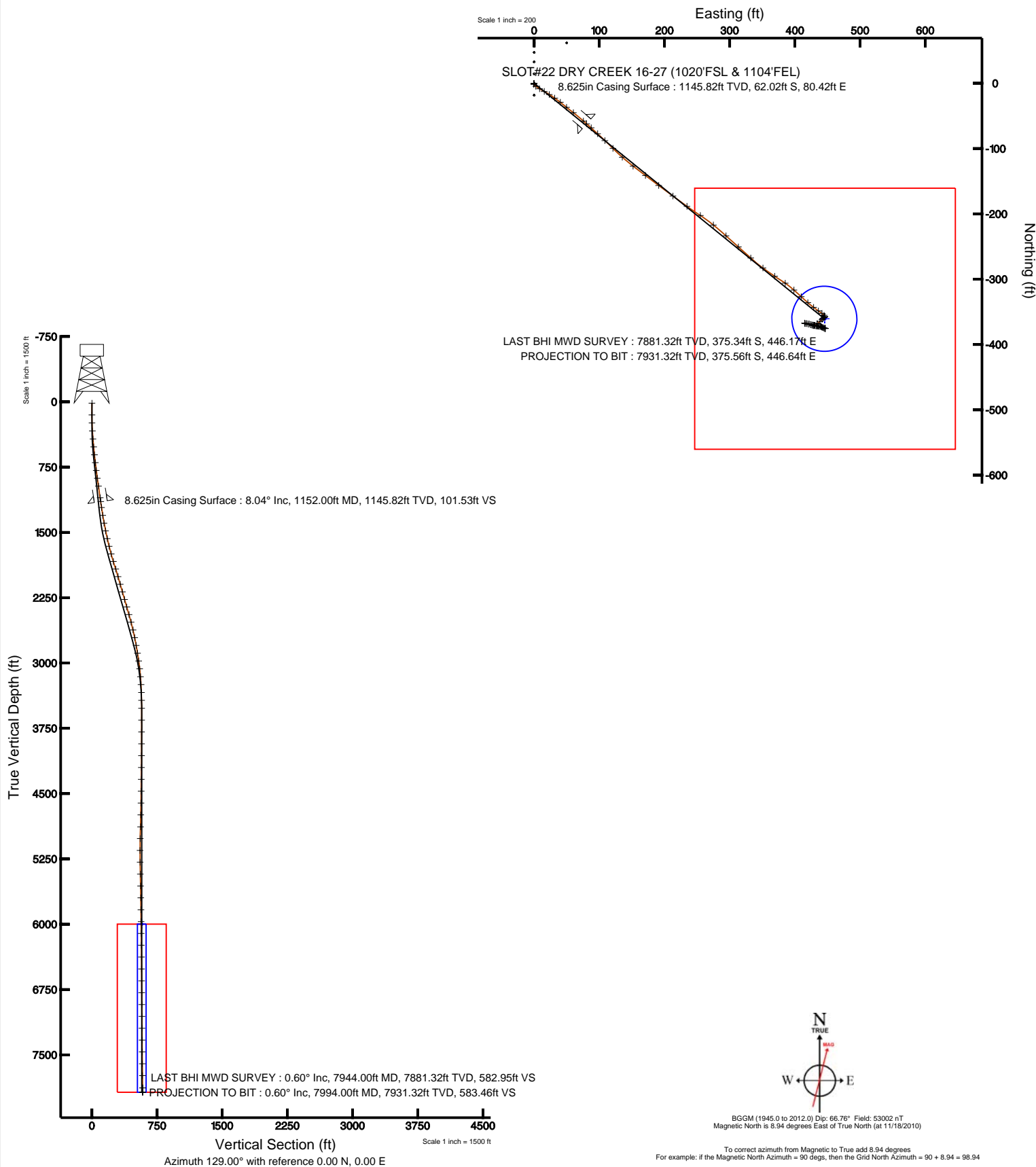


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#22 DRY CREEK 16-27 (1020'FSL & 1104'FEL)
 Field: WELD COUNTY (KERR MCGEE) Well: DRY CREEK 16-27
 Facility: SEC.27-T1N-R67W Wellbore: DRY CREEK 16-27 PWB



Plot reference wellpath is DRY CREEK 16-27 (REV-A.0) PWB	
True vertical depths are referenced to XTREME 12 (RKB)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 12 (RKB)	North Reference: True north
XTREME 12 (RKB) to Mean Sea Level: 5059 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.27-T1N-R67W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdarm on 12/29/2010





Actual Wellpath Report

DRY CREEK 16-27 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#22 DRY CREEK 16-27 (1020'FSL & 1104'FEL)
Area	COLORADO	Well	DRY CREEK 16-27
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DRY CREEK 16-27 AWB
Facility	SEC.27-T1N-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	0.999965	Report Generated	12/29/2010 at 12:14:16 PM
Convergence at slot	0.41° East	Database/Source file	Denver Server/DRY_CREEK_16-27_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-3085.34	3002.58	3176121.89	1249904.39	40°01'03.576"N	104°52'16.212"W
Facility Reference Pt			3173097.99	1252968.61	40°01'34.068"N	104°52'54.804"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM

Calculation method	Minimum curvature	XTTREME 12 (RKB) to Facility Vertical Datum	5059.00ft
Horizontal Reference Pt	Slot	XTTREME 12 (RKB) to Mean Sea Level	5059.00ft
Vertical Reference Pt	XTTREME 12 (RKB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTTREME 12 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	129.00°



Actual Wellpath Report

DRY CREEK 16-27 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#22 DRY CREEK 16-27 (1020'FSL & 1104'FEL)
Area	COLORADO	Well	DRY CREEK 16-27
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DRY CREEK 16-27 AWB
Facility	SEC.27-T1N-R67W		

WELLPATH DATA (73 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	243.100	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	243.100	15.00	0.00	0.00	0.00	0.00	
150.00	0.700	243.100	150.00	-0.34	-0.37	-0.74	0.52	
242.00	1.600	146.800	241.98	0.66	-1.70	-0.53	1.97	
334.00	3.500	126.700	333.89	4.69	-4.46	2.42	2.25	
427.00	5.100	121.100	426.62	11.62	-8.29	8.24	1.78	
518.00	5.300	118.600	517.25	19.76	-12.39	15.39	0.33	
609.00	6.200	124.300	607.79	28.79	-17.17	23.14	1.17	
700.00	6.400	121.400	698.24	38.71	-22.58	31.53	0.41	
790.00	7.300	130.900	787.60	49.40	-28.94	40.13	1.60	
881.00	8.200	128.100	877.77	61.67	-36.73	49.61	1.07	
972.00	8.700	127.800	967.78	75.04	-44.95	60.16	0.55	
1107.00	8.400	131.600	1101.28	95.10	-57.76	75.60	0.47	
1221.00	7.500	130.900	1214.19	110.85	-68.16	87.45	0.79	
1312.00	9.400	133.400	1304.19	124.20	-77.15	97.34	2.13	
1403.00	10.000	133.400	1393.89	139.48	-87.69	108.48	0.66	
1493.00	12.100	134.100	1482.22	156.67	-99.62	120.93	2.34	
1584.00	12.900	133.000	1571.06	176.31	-113.19	135.21	0.92	
1675.00	14.400	126.400	1659.49	197.75	-126.83	151.75	2.37	
1766.00	15.900	127.400	1747.33	221.51	-141.12	170.76	1.67	
1856.00	16.900	126.700	1833.67	246.91	-156.42	191.04	1.13	
1947.00	17.900	126.400	1920.50	274.09	-172.63	212.90	1.10	
2038.00	16.300	125.700	2007.48	300.82	-188.38	234.53	1.77	
2129.00	15.400	123.200	2095.02	325.59	-202.45	255.01	1.24	
2220.00	16.200	128.800	2182.58	350.30	-217.02	275.02	1.89	
2311.00	16.400	132.300	2269.93	375.82	-233.62	294.41	1.10	
2401.00	16.500	131.300	2356.24	401.28	-250.61	313.41	0.33	
2492.00	16.000	132.300	2443.61	426.71	-267.57	332.40	0.63	
2583.00	14.800	126.400	2531.34	450.84	-282.91	351.03	2.17	
2674.00	13.200	123.200	2619.64	472.79	-295.50	369.08	1.95	
2765.00	11.400	123.900	2708.55	492.09	-306.21	385.24	1.98	
2856.00	10.100	132.300	2797.95	509.02	-316.59	398.61	2.23	
2946.00	9.300	133.000	2886.67	524.15	-326.87	409.76	0.90	
3037.00	8.000	130.600	2976.63	537.81	-336.00	419.95	1.48	
3128.00	6.400	127.400	3066.91	549.22	-343.20	428.79	1.81	
3219.00	5.300	125.000	3157.43	558.48	-348.70	436.26	1.24	
3310.00	3.100	126.000	3248.18	565.13	-352.55	441.69	2.42	
3401.00	2.300	137.300	3339.08	569.39	-355.34	444.92	1.05	
3491.00	0.700	173.100	3429.05	571.57	-357.21	446.21	1.98	
3582.00	0.400	242.700	3520.05	571.85	-357.91	446.00	0.74	
3718.00	0.700	232.900	3656.04	571.46	-358.63	444.91	0.23	
3854.00	0.800	227.100	3792.03	571.12	-359.78	443.56	0.09	
3990.00	1.400	223.700	3928.00	570.85	-361.63	441.71	0.44	
4127.00	2.200	227.600	4064.94	570.32	-364.61	438.61	0.59	
4263.00	2.500	232.500	4200.82	569.24	-368.17	434.33	0.27	



Actual Wellpath Report

DRY CREEK 16-27 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#22 DRY CREEK 16-27 (1020'FSL & 1104'FEL)
Area	COLORADO	Well	DRY CREEK 16-27
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DRY CREEK 16-27 AWB
Facility	SEC.27-T1N-R67W		

WELLPATH DATA (73 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4399.00	1.100	238.900	4336.75	568.10	-370.65	430.86	1.04	
4535.00	1.000	276.100	4472.73	566.66	-371.20	428.56	0.50	
4671.00	0.800	307.800	4608.71	564.72	-370.49	426.63	0.39	
4807.00	1.100	289.100	4744.69	562.54	-369.49	424.65	0.31	
4944.00	1.800	274.000	4881.65	559.54	-368.90	421.26	0.58	
5080.00	1.600	301.100	5017.59	555.91	-367.78	417.50	0.60	
5216.00	0.900	242.700	5153.56	553.60	-367.28	414.93	1.00	
5351.00	1.500	102.100	5288.55	554.75	-368.14	415.71	1.68	
5488.00	1.300	85.600	5425.51	557.48	-368.40	419.02	0.33	
5624.00	1.300	107.000	5561.48	560.03	-368.73	422.03	0.35	
5760.00	0.700	114.400	5697.45	562.26	-369.52	424.26	0.45	
5897.00	1.100	101.400	5834.44	564.24	-370.13	426.31	0.33	
6033.00	0.700	90.500	5970.42	566.05	-370.40	428.42	0.32	
6169.00	0.500	121.100	6106.41	567.28	-370.71	429.76	0.27	
6305.00	0.800	113.000	6242.40	568.78	-371.39	431.15	0.23	
6441.00	0.800	84.900	6378.39	570.38	-371.67	432.97	0.29	
6578.00	0.200	106.900	6515.39	571.29	-371.66	434.15	0.45	
6714.00	0.500	95.100	6651.38	572.00	-371.78	434.96	0.23	
6850.00	0.500	92.600	6787.38	572.97	-371.86	436.15	0.02	
6986.00	0.600	114.400	6923.37	574.14	-372.18	437.39	0.17	
7122.00	0.700	78.900	7059.36	575.36	-372.31	438.85	0.30	
7258.00	0.400	122.500	7195.36	576.36	-372.41	440.07	0.36	
7395.00	0.600	135.200	7332.35	577.55	-373.18	440.98	0.17	
7531.00	0.500	100.700	7468.35	578.78	-373.79	442.06	0.25	
7667.00	0.700	120.400	7604.34	580.13	-374.32	443.36	0.21	
7803.00	0.600	101.400	7740.33	581.58	-374.88	444.78	0.17	
7944.00	0.600	115.100	7881.32	582.95	-375.34	446.17	0.10	LAST BHI MWD SURVEY
7994.00	0.600	115.100	7931.32	583.46	-375.56	446.64	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: DRY CREEK 16-27 AWB Ref Wellpath: DRY CREEK 16-27 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	15.00	1162.00	1147.00	15.00	1155.72	0.00	0.00	-62.94	81.46
8.625in Casing Surface	15.00	1152.00	1137.00	15.00	1145.82	0.00	0.00	-62.02	80.42
7.875in Open Hole	1152.00	7994.00	6842.00	1145.82	7931.32	-62.02	80.42	-375.56	446.64



Actual Wellpath Report

DRY CREEK 16-27 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#22 DRY CREEK 16-27 (1020'FSL & 1104'FEL)
Area	COLORADO	Well	DRY CREEK 16-27
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DRY CREEK 16-27 AWB
Facility	SEC.27-T1N-R67W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
DRY CREEK 16-27 GEO TARGET 50' RADIUS (660'FSL & 660'FEL, REV-1)		6000.00	-360.64	445.35	3176569.77	1249546.93	40°01'00.012"N	104°52'10.488"W	circle
DRY CREEK 16-27 LEGAL BOX (200'N,200'S,201'E,199'W OF GEO TARGET)		6000.00	-360.64	446.35	3176570.77	1249546.94	40°01'00.012"N	104°52'10.475"W	square

WELLPATH COMPOSITION					Ref Wellbore: DRY CREEK 16-27 AWB	Ref Wellpath: DRY CREEK 16-27 AWP
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore	
15.00	1107.00	NaviTrak (Standard)	BHI MWD SURVEY 12.25 HOLE <150-1107>		DRY CREEK 16-27 AWB	
1107.00	7944.00	NaviTrak (Standard)	BHI MWD SURVEY 7.875 HOLE <1221-7944>		DRY CREEK 16-27 AWB	
7944.00	7994.00	Blind Drilling (std)	Projection to bit		DRY CREEK 16-27 AWB	



Actual Wellpath Report

DRY CREEK 16-27 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#22 DRY CREEK 16-27 (1020'FSL & 1104'FEL)
Area	COLORADO	Well	DRY CREEK 16-27
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DRY CREEK 16-27 AWB
Facility	SEC.27-T1N-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7944.00	0.600	115.100	7881.32	LAST BHI MWD SURVEY
7994.00	0.600	115.100	7931.32	PROJECTION TO BIT