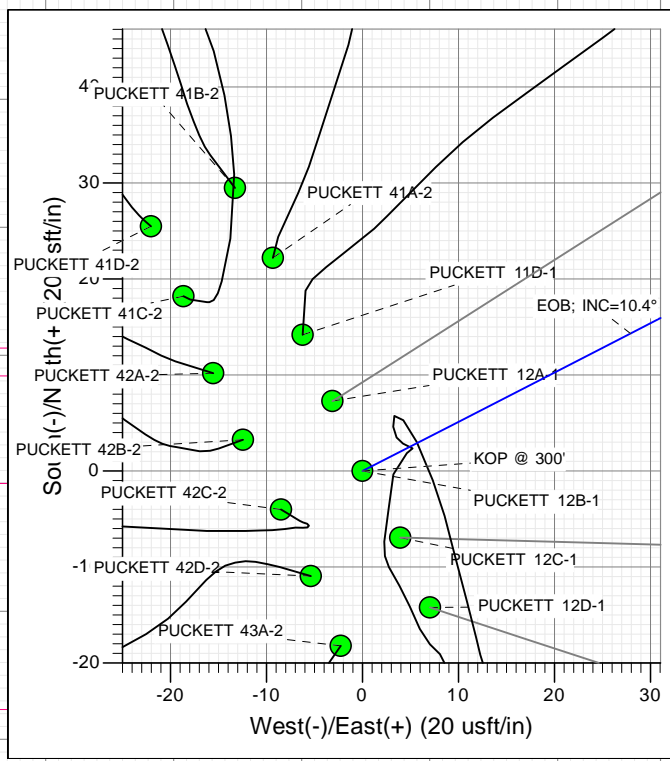
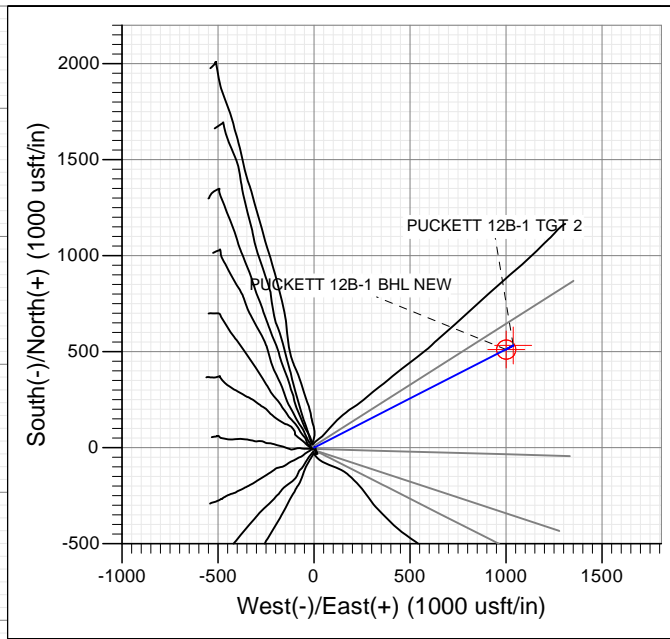
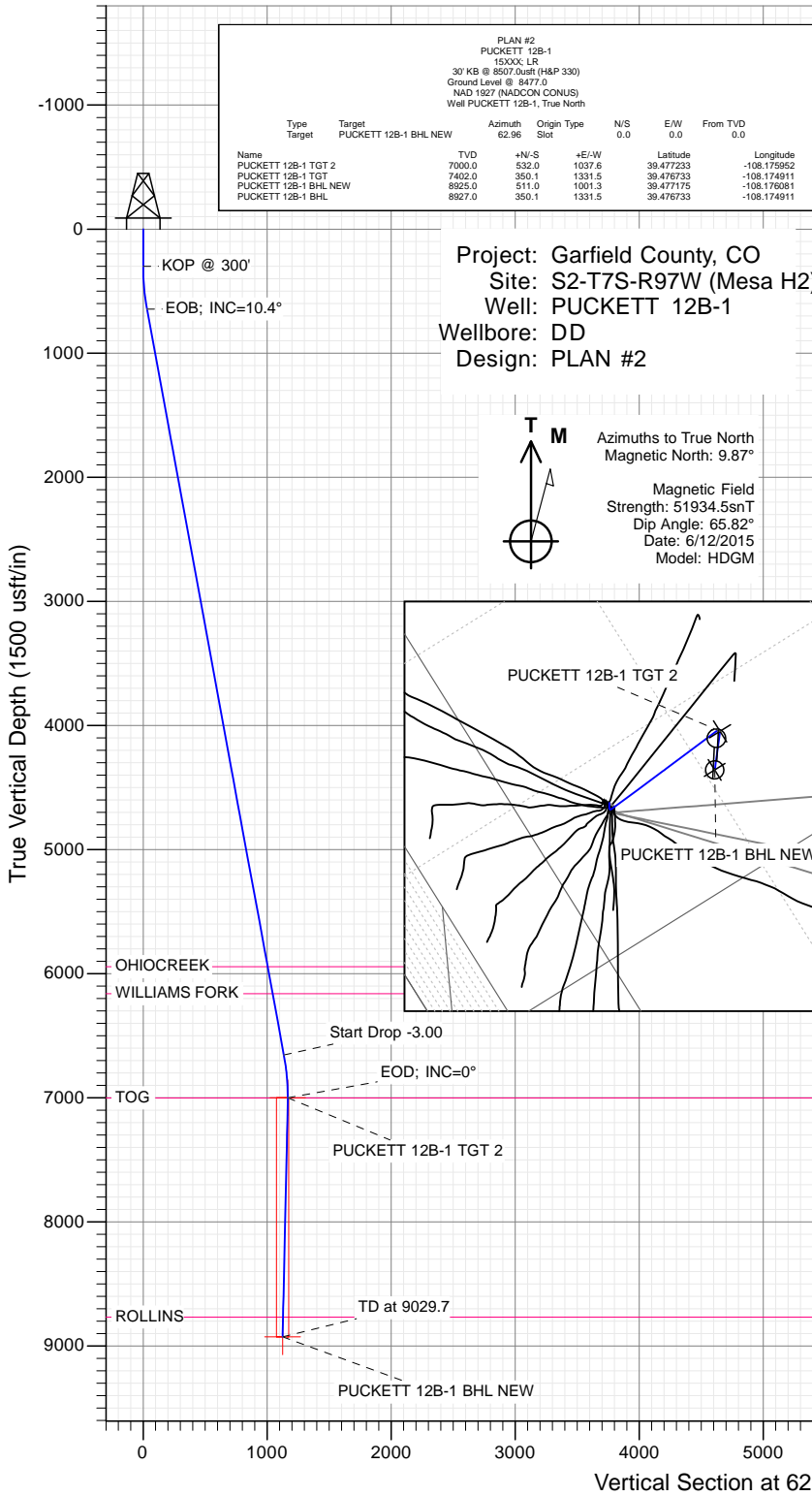




SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0		KOP @ 300'
3	646.7	10.40	62.85	644.8	14.3	27.9	3.00	62.85	31.4		EOB; INC=10.4°
4	6757.5	10.40	62.85	6655.2	517.7	1009.7	0.00	0.00	1134.7		Start Drop -3.00
5	7104.2	0.00	0.00	7000.0	532.0	1037.6	3.00	180.00	1166.1	PUCKETT 12B-1 TGT 2	EOD; INC=0°
6	7233.6	1.29	240.00	7129.3	531.3	1036.4	1.00	240.00	1164.6		
7	9029.7	1.29	240.00	8925.0	511.0	1001.3	0.00	0.00	1124.1	PUCKETT 12B-1 BHL NEW	TD at 9029.7



WELL DETAILS: PUCKETT 12B-1

Ground Level: 8477.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	609321.98	1243680.46	39.475772	-108.179628

## Planning Report

<b>Database:</b> USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b> Well PUCKETT 12B-1
<b>Company:</b> Caerus Oil & Gas (NAD 27)	<b>TVD Reference:</b> 30' KB @ 8507.0usft (H&P 330)
<b>Project:</b> Garfield County, CO	<b>MD Reference:</b> 30' KB @ 8507.0usft (H&P 330)
<b>Site:</b> S2-T7S-R97W (Mesa H2)	<b>North Reference:</b> True
<b>Well:</b> PUCKETT 12B-1	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Wellbore:</b> DD	
<b>Design:</b> PLAN #2	

<b>Project</b> Garfield County, CO		
<b>Map System:</b> US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b> NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b> Colorado Central 502		

<b>Site</b> S2-T7S-R97W (Mesa H2)			
<b>Site Position:</b>	<b>Northing:</b>	609,295.74 usft	<b>Latitude:</b> 39.475700
<b>From:</b> Lat/Long	<b>Easting:</b>	1,243,680.53 usft	<b>Longitude:</b> -108.179625
<b>Position Uncertainty:</b> 0.0 usft	<b>Slot Radius:</b> 13-3/16"		<b>Grid Convergence:</b> -1.69 °

<b>Well</b> PUCKETT 12B-1					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	609,321.98 usft	<b>Latitude:</b> 39.475772
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	1,243,680.46 usft	<b>Longitude:</b> -108.179628
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	0.0 usft	<b>Ground Level:</b> 8,477.0 usft

<b>Wellbore</b> DD					
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF2010	9/22/2014	(°) 10.01	(°) 65.60	(nT) 51,866

<b>Design</b> PLAN #2				
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	62.96

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
646.7	10.40	62.85	644.8	14.3	27.9	3.00	3.00	0.00	62.85	
6,757.5	10.40	62.85	6,655.2	517.7	1,009.7	0.00	0.00	0.00	0.00	
7,104.2	0.00	0.00	7,000.0	532.0	1,037.6	3.00	-3.00	0.00	180.00	PUCKETT 12B-1 TG1
7,233.6	1.29	240.00	7,129.3	531.3	1,036.4	1.00	1.00	-92.78	240.00	
9,029.7	1.29	240.00	8,925.0	511.0	1,001.3	0.00	0.00	0.00	0.00	PUCKETT 12B-1 BHL

Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well PUCKETT 12B-1
<b>Company:</b>	Caerus Oil & Gas (NAD 27)	<b>TVD Reference:</b>	30' KB @ 8507.0usft (H&P 330)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	30' KB @ 8507.0usft (H&P 330)
<b>Site:</b>	S2-T7S-R97W (Mesa H2)	<b>North Reference:</b>	True
<b>Well:</b>	PUCKETT 12B-1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	PLAN #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	KOP @ 300'
400.0	3.00	62.85	400.0	1.2	2.3	2.6	3.00	3.00	
500.0	6.00	62.85	499.6	4.8	9.3	10.5	3.00	3.00	
600.0	9.00	62.85	598.8	10.7	20.9	23.5	3.00	3.00	
646.7	10.40	62.85	644.8	14.3	27.9	31.4	3.00	3.00	EOB; INC=10.4°
700.0	10.40	62.85	697.2	18.7	36.5	41.0	0.00	0.00	
800.0	10.40	62.85	795.6	26.9	52.6	59.1	0.00	0.00	
900.0	10.40	62.85	893.9	35.2	68.6	77.1	0.00	0.00	
1,000.0	10.40	62.85	992.3	43.4	84.7	95.2	0.00	0.00	
1,100.0	10.40	62.85	1,090.6	51.7	100.8	113.2	0.00	0.00	
1,200.0	10.40	62.85	1,189.0	59.9	116.8	131.3	0.00	0.00	
1,300.0	10.40	62.85	1,287.4	68.1	132.9	149.3	0.00	0.00	
1,400.0	10.40	62.85	1,385.7	76.4	149.0	167.4	0.00	0.00	
1,500.0	10.40	62.85	1,484.1	84.6	165.0	185.4	0.00	0.00	
1,600.0	10.40	62.85	1,582.4	92.9	181.1	203.5	0.00	0.00	
1,700.0	10.40	62.85	1,680.8	101.1	197.2	221.6	0.00	0.00	
1,800.0	10.40	62.85	1,779.1	109.3	213.2	239.6	0.00	0.00	
1,900.0	10.40	62.85	1,877.5	117.6	229.3	257.7	0.00	0.00	
2,000.0	10.40	62.85	1,975.9	125.8	245.4	275.7	0.00	0.00	
2,100.0	10.40	62.85	2,074.2	134.0	261.4	293.8	0.00	0.00	
2,200.0	10.40	62.85	2,172.6	142.3	277.5	311.8	0.00	0.00	
2,300.0	10.40	62.85	2,270.9	150.5	293.5	329.9	0.00	0.00	
2,400.0	10.40	62.85	2,369.3	158.8	309.6	347.9	0.00	0.00	
2,500.0	10.40	62.85	2,467.6	167.0	325.7	366.0	0.00	0.00	
2,600.0	10.40	62.85	2,566.0	175.2	341.7	384.1	0.00	0.00	
2,700.0	10.40	62.85	2,664.4	183.5	357.8	402.1	0.00	0.00	
2,800.0	10.40	62.85	2,762.7	191.7	373.9	420.2	0.00	0.00	
2,900.0	10.40	62.85	2,861.1	199.9	389.9	438.2	0.00	0.00	
3,000.0	10.40	62.85	2,959.4	208.2	406.0	456.3	0.00	0.00	
3,100.0	10.40	62.85	3,057.8	216.4	422.1	474.3	0.00	0.00	
3,200.0	10.40	62.85	3,156.1	224.7	438.1	492.4	0.00	0.00	
3,300.0	10.40	62.85	3,254.5	232.9	454.2	510.4	0.00	0.00	
3,400.0	10.40	62.85	3,352.8	241.1	470.3	528.5	0.00	0.00	
3,500.0	10.40	62.85	3,451.2	249.4	486.3	546.6	0.00	0.00	
3,600.0	10.40	62.85	3,549.6	257.6	502.4	564.6	0.00	0.00	
3,700.0	10.40	62.85	3,647.9	265.8	518.5	582.7	0.00	0.00	
3,800.0	10.40	62.85	3,746.3	274.1	534.5	600.7	0.00	0.00	
3,900.0	10.40	62.85	3,844.6	282.3	550.6	618.8	0.00	0.00	
4,000.0	10.40	62.85	3,943.0	290.6	566.7	636.8	0.00	0.00	
4,100.0	10.40	62.85	4,041.3	298.8	582.7	654.9	0.00	0.00	
4,200.0	10.40	62.85	4,139.7	307.0	598.8	672.9	0.00	0.00	
4,300.0	10.40	62.85	4,238.1	315.3	614.9	691.0	0.00	0.00	
4,400.0	10.40	62.85	4,336.4	323.5	630.9	709.0	0.00	0.00	
4,500.0	10.40	62.85	4,434.8	331.8	647.0	727.1	0.00	0.00	
4,600.0	10.40	62.85	4,533.1	340.0	663.1	745.2	0.00	0.00	
4,700.0	10.40	62.85	4,631.5	348.2	679.1	763.2	0.00	0.00	
4,800.0	10.40	62.85	4,729.8	356.5	695.2	781.3	0.00	0.00	
4,900.0	10.40	62.85	4,828.2	364.7	711.3	799.3	0.00	0.00	
5,000.0	10.40	62.85	4,926.6	372.9	727.3	817.4	0.00	0.00	

Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well PUCKETT 12B-1
<b>Company:</b>	Caerus Oil & Gas (NAD 27)	<b>TVD Reference:</b>	30' KB @ 8507.0usft (H&P 330)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	30' KB @ 8507.0usft (H&P 330)
<b>Site:</b>	S2-T7S-R97W (Mesa H2)	<b>North Reference:</b>	True
<b>Well:</b>	PUCKETT 12B-1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	PLAN #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
5,100.0	10.40	62.85	5,024.9	381.2	743.4	835.4	0.00	0.00	
5,200.0	10.40	62.85	5,123.3	389.4	759.5	853.5	0.00	0.00	
5,300.0	10.40	62.85	5,221.6	397.7	775.5	871.5	0.00	0.00	
5,400.0	10.40	62.85	5,320.0	405.9	791.6	889.6	0.00	0.00	
5,500.0	10.40	62.85	5,418.3	414.1	807.7	907.7	0.00	0.00	
5,600.0	10.40	62.85	5,516.7	422.4	823.7	925.7	0.00	0.00	
5,700.0	10.40	62.85	5,615.1	430.6	839.8	943.8	0.00	0.00	
5,800.0	10.40	62.85	5,713.4	438.8	855.9	961.8	0.00	0.00	
5,900.0	10.40	62.85	5,811.8	447.1	871.9	979.9	0.00	0.00	
6,000.0	10.40	62.85	5,910.1	455.3	888.0	997.9	0.00	0.00	
6,034.4	10.40	62.85	5,944.0	458.2	893.5	1,004.1	0.00	0.00	OHIOCREEK
6,100.0	10.40	62.85	6,008.5	463.6	904.1	1,016.0	0.00	0.00	
6,200.0	10.40	62.85	6,106.8	471.8	920.1	1,034.0	0.00	0.00	
6,255.1	10.40	62.85	6,161.0	476.3	929.0	1,044.0	0.00	0.00	WILLIAMS FORK
6,300.0	10.40	62.85	6,205.2	480.0	936.2	1,052.1	0.00	0.00	
6,400.0	10.40	62.85	6,303.5	488.3	952.3	1,070.2	0.00	0.00	
6,500.0	10.40	62.85	6,401.9	496.5	968.3	1,088.2	0.00	0.00	
6,600.0	10.40	62.85	6,500.3	504.8	984.4	1,106.3	0.00	0.00	
6,700.0	10.40	62.85	6,598.6	513.0	1,000.5	1,124.3	0.00	0.00	
6,757.5	10.40	62.85	6,655.2	517.7	1,009.7	1,134.7	0.00	0.00	Start Drop -3.00
6,800.0	9.13	62.85	6,697.1	521.0	1,016.1	1,141.9	3.00	-3.00	
6,900.0	6.13	62.85	6,796.2	527.1	1,027.9	1,155.2	3.00	-3.00	
7,000.0	3.13	62.85	6,895.8	530.7	1,035.1	1,163.2	3.00	-3.00	
7,100.0	0.13	62.85	6,995.8	532.0	1,037.6	1,166.1	3.00	-3.00	
7,104.2	0.00	0.00	7,000.0	532.0	1,037.6	1,166.1	3.00	-3.00	EOD; INC=0°
7,105.2	0.01	240.00	7,001.0	532.0	1,037.6	1,166.1	1.00	1.00	TOG
7,200.0	0.96	240.00	7,095.8	531.6	1,036.9	1,165.3	1.00	1.00	
7,233.6	1.29	240.00	7,129.3	531.3	1,036.4	1,164.6	1.00	1.00	
7,300.0	1.29	240.00	7,195.7	530.6	1,035.1	1,163.1	0.00	0.00	
7,400.0	1.29	240.00	7,295.7	529.4	1,033.1	1,160.9	0.00	0.00	
7,500.0	1.29	240.00	7,395.7	528.3	1,031.2	1,158.6	0.00	0.00	
7,600.0	1.29	240.00	7,495.7	527.2	1,029.2	1,156.4	0.00	0.00	
7,700.0	1.29	240.00	7,595.6	526.1	1,027.3	1,154.1	0.00	0.00	
7,800.0	1.29	240.00	7,695.6	524.9	1,025.3	1,151.9	0.00	0.00	
7,900.0	1.29	240.00	7,795.6	523.8	1,023.3	1,149.6	0.00	0.00	
8,000.0	1.29	240.00	7,895.6	522.7	1,021.4	1,147.4	0.00	0.00	
8,100.0	1.29	240.00	7,995.5	521.5	1,019.4	1,145.1	0.00	0.00	
8,200.0	1.29	240.00	8,095.5	520.4	1,017.5	1,142.8	0.00	0.00	
8,300.0	1.29	240.00	8,195.5	519.3	1,015.5	1,140.6	0.00	0.00	
8,400.0	1.29	240.00	8,295.5	518.2	1,013.6	1,138.3	0.00	0.00	
8,500.0	1.29	240.00	8,395.4	517.0	1,011.6	1,136.1	0.00	0.00	
8,600.0	1.29	240.00	8,495.4	515.9	1,009.7	1,133.8	0.00	0.00	
8,700.0	1.29	240.00	8,595.4	514.8	1,007.7	1,131.6	0.00	0.00	
8,800.0	1.29	240.00	8,695.4	513.6	1,005.7	1,129.3	0.00	0.00	
8,871.7	1.29	240.00	8,767.0	512.8	1,004.3	1,127.7	0.00	0.00	ROLLINS
8,900.0	1.29	240.00	8,795.3	512.5	1,003.8	1,127.1	0.00	0.00	
9,000.0	1.29	240.00	8,895.3	511.4	1,001.8	1,124.8	0.00	0.00	
9,029.7	1.29	240.00	8,925.0	511.0	1,001.3	1,124.1	0.00	0.00	TD at 9029.7

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well PUCKETT 12B-1
<b>Company:</b>	Caerus Oil & Gas (NAD 27)	<b>TVD Reference:</b>	30' KB @ 8507.0usft (H&P 330)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	30' KB @ 8507.0usft (H&P 330)
<b>Site:</b>	S2-T7S-R97W (Mesa H2)	<b>North Reference:</b>	True
<b>Well:</b>	PUCKETT 12B-1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	PLAN #2		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
PUCKETT 12B-1 TGT - plan misses target center by 349.3usft at 7502.4usft MD (7398.1 TVD, 528.3 N, 1031.1 E) - Point	0.00	0.00	7,402.0	350.1	1,331.5	609,632.63	1,245,021.74	39.476733	-108.174911
PUCKETT 12B-1 BHL N - plan hits target center - Circle (radius 50.0)	0.00	0.00	8,925.0	511.0	1,001.3	609,803.27	1,244,696.35	39.477175	-108.176081
PUCKETT 12B-1 TGT 2 - plan hits target center - Point	0.00	0.00	7,000.0	532.0	1,037.6	609,823.19	1,244,733.33	39.477233	-108.175952
PUCKETT 12B-1 BHL - plan misses target center by 367.4usft at 9027.1usft MD (8922.4 TVD, 511.1 N, 1001.3 E) - Circle (radius 50.0)	0.00	0.00	8,927.0	350.1	1,331.5	609,632.63	1,245,021.74	39.476733	-108.174911

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
6,034.4	5,944.0	OHIOCREEK		0.00	
6,255.1	6,161.0	WILLIAMS FORK		0.00	
7,105.2	7,001.0	TOG		0.00	
8,871.7	8,767.0	ROLLINS		0.00	

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(usft)	(usft)	+N/-S	+E/-W		
		(usft)	(usft)		
300.0	300.0	0.0	0.0	KOP @ 300'	
646.7	644.8	14.3	27.9	EOB; INC=10.4°	
6,757.5	6,655.2	517.7	1,009.7	Start Drop -3.00	
7,104.2	7,000.0	532.0	1,037.6	EOD; INC=0°	
9,029.7	8,925.0	531.3	1,036.4	TD at 9029.7	