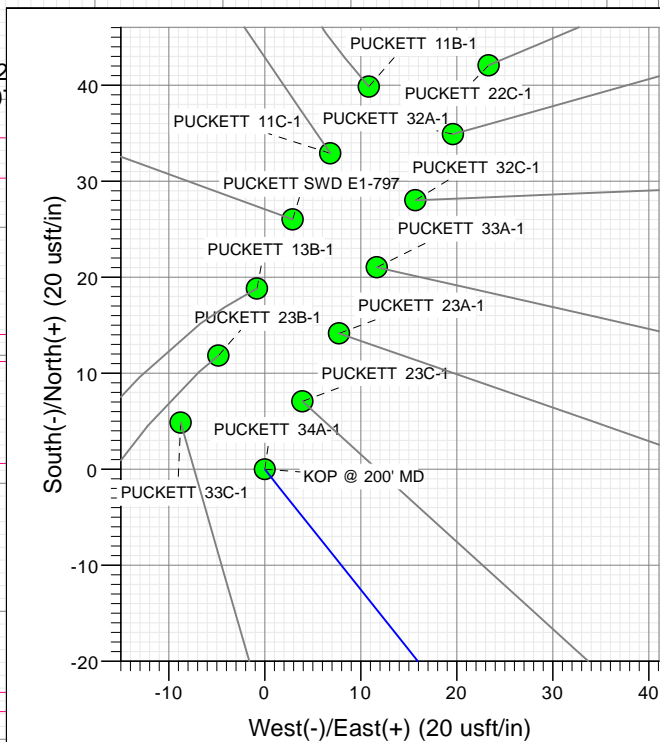
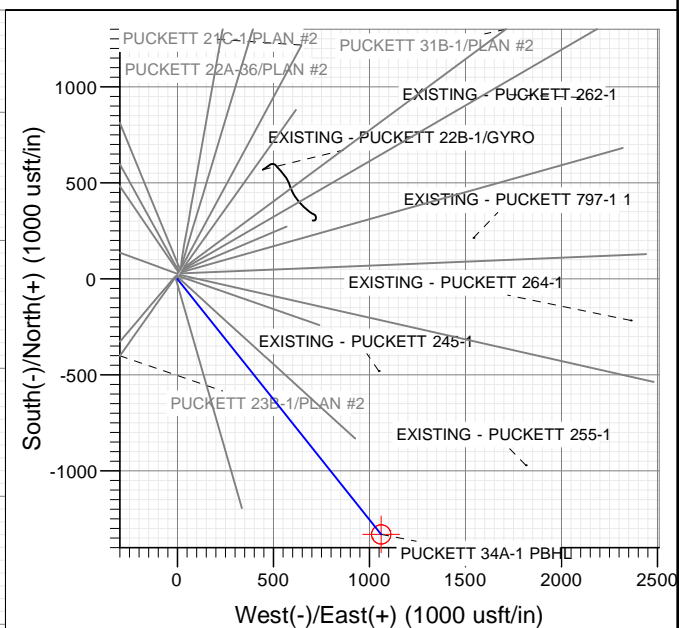
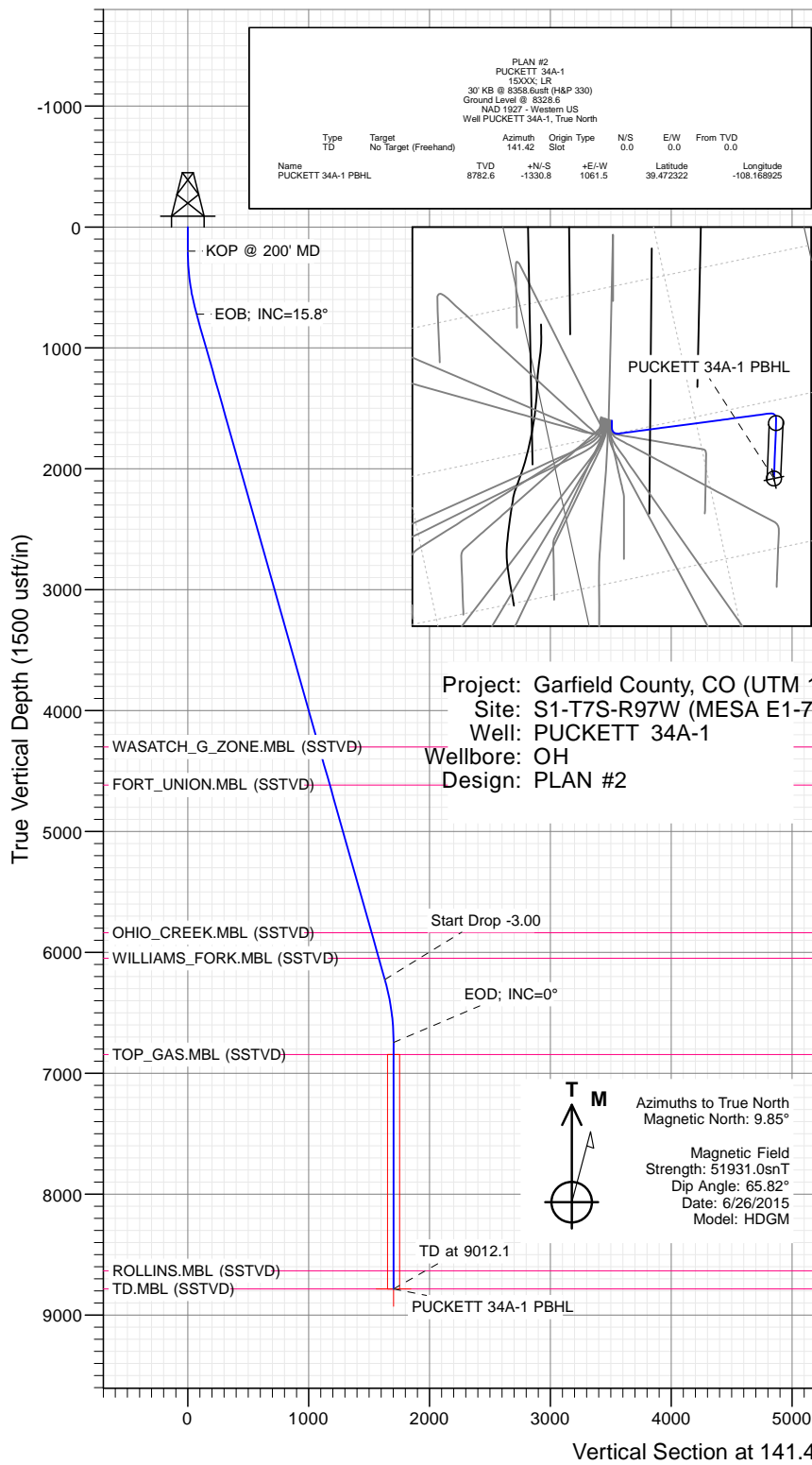




SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		KOP @ 200' MD
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0		EOB; INC=15.8°
3	726.8	15.80	141.42	720.1	-56.4	45.0	3.00	141.42	72.2		Start Drop -3.00
4	6447.4	15.80	141.42	6224.5	-1274.3	1016.4	0.00	0.00	1630.1		EOD; INC=0°
5	6974.1	0.00	0.00	6744.6	-1330.8	1061.5	3.00	180.00	1702.2		TD at 9012.1
6	9012.1	0.00	0.00	8782.6	-1330.8	1061.5	0.00	0.00	1702.2	PUCKETT 34A-1 PBHL	



WELL DETAILS: PUCKETT 34A-1

+N/-S	+E/-W	Northing	Ground Level:	8328.6	Latitude	Longitude
0.0	0.0	14347759.10	Easting	2438312.00	39.475975	-108.172683



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 34A-1
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8358.6usft (H&P 330)
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8358.6usft (H&P 330)
Site:	S1-T7S-R97W (MESA E1-797)	North Reference:	True
Well:	PUCKETT 34A-1	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #2		

Project	Garfield County, CO (UTM 12N)		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site		S1-T7S-R97W (MESA E1-797)			
Site Position:		Northing:		14,347,813.50 usft	
From:		Easting:		2,438,328.90 usft	
Position Uncertainty:		Slot Radius:		Grid Convergence:	
Map		0.0 usft		13-3/16 "	
				39.476123	
				-108.172618	
				1.80 °	

Well	PUCKETT 34A-1					
Well Position	+N/-S	0.0 usft	Northing:	14,347,759.10 usft	Latitude:	39.475975
	+E/-W	0.0 usft	Easting:	2,438,312.00 usft	Longitude:	-108.172683
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	8,328.6 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	6/26/2015	9.85	65.82	51,931

Design	PLAN #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	141.42

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
726.8	15.80	141.42	720.1	-56.4	45.0	3.00	3.00	0.00	141.42	
6,447.4	15.80	141.42	6,224.5	-1,274.3	1,016.4	0.00	0.00	0.00	0.00	
6,974.1	0.00	0.00	6,744.6	-1,330.8	1,061.5	3.00	-3.00	0.00	180.00	
9,012.1	0.00	0.00	8,782.6	-1,330.8	1,061.5	0.00	0.00	0.00	0.00	PUCKETT 34A-1 PBH

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 34A-1
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8358.6usft (H&P 330)
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8358.6usft (H&P 330)
Site:	S1-T7S-R97W (MESA E1-797)	North Reference:	True
Well:	PUCKETT 34A-1	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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	KOP @ 200' MD
300.0	3.00	141.42	300.0	-2.0	1.6	2.6	3.00	3.00	
400.0	6.00	141.42	399.6	-8.2	6.5	10.5	3.00	3.00	
500.0	9.00	141.42	498.8	-18.4	14.7	23.5	3.00	3.00	
600.0	12.00	141.42	597.1	-32.6	26.0	41.7	3.00	3.00	
700.0	15.00	141.42	694.3	-50.9	40.6	65.1	3.00	3.00	
726.8	15.80	141.42	720.1	-56.4	45.0	72.2	3.00	3.00	EOB; INC=15.8°
800.0	15.80	141.42	790.6	-72.0	57.4	92.1	0.00	0.00	
900.0	15.80	141.42	886.8	-93.3	74.4	119.4	0.00	0.00	
1,000.0	15.80	141.42	983.0	-114.6	91.4	146.6	0.00	0.00	
1,100.0	15.80	141.42	1,079.2	-135.9	108.4	173.8	0.00	0.00	
1,200.0	15.80	141.42	1,175.5	-157.2	125.4	201.1	0.00	0.00	
1,300.0	15.80	141.42	1,271.7	-178.5	142.4	228.3	0.00	0.00	
1,400.0	15.80	141.42	1,367.9	-199.8	159.3	255.5	0.00	0.00	
1,500.0	15.80	141.42	1,464.1	-221.1	176.3	282.8	0.00	0.00	
1,600.0	15.80	141.42	1,560.3	-242.3	193.3	310.0	0.00	0.00	
1,700.0	15.80	141.42	1,656.6	-263.6	210.3	337.2	0.00	0.00	
1,800.0	15.80	141.42	1,752.8	-284.9	227.3	364.5	0.00	0.00	
1,900.0	15.80	141.42	1,849.0	-306.2	244.2	391.7	0.00	0.00	
2,000.0	15.80	141.42	1,945.2	-327.5	261.2	418.9	0.00	0.00	
2,100.0	15.80	141.42	2,041.4	-348.8	278.2	446.2	0.00	0.00	
2,200.0	15.80	141.42	2,137.7	-370.1	295.2	473.4	0.00	0.00	
2,300.0	15.80	141.42	2,233.9	-391.4	312.2	500.6	0.00	0.00	
2,400.0	15.80	141.42	2,330.1	-412.7	329.2	527.9	0.00	0.00	
2,500.0	15.80	141.42	2,426.3	-434.0	346.1	555.1	0.00	0.00	
2,600.0	15.80	141.42	2,522.5	-455.2	363.1	582.3	0.00	0.00	
2,700.0	15.80	141.42	2,618.8	-476.5	380.1	609.6	0.00	0.00	
2,800.0	15.80	141.42	2,715.0	-497.8	397.1	636.8	0.00	0.00	
2,900.0	15.80	141.42	2,811.2	-519.1	414.1	664.0	0.00	0.00	
3,000.0	15.80	141.42	2,907.4	-540.4	431.0	691.2	0.00	0.00	
3,100.0	15.80	141.42	3,003.6	-561.7	448.0	718.5	0.00	0.00	
3,200.0	15.80	141.42	3,099.9	-583.0	465.0	745.7	0.00	0.00	
3,300.0	15.80	141.42	3,196.1	-604.3	482.0	772.9	0.00	0.00	
3,400.0	15.80	141.42	3,292.3	-625.6	499.0	800.2	0.00	0.00	
3,500.0	15.80	141.42	3,388.5	-646.8	515.9	827.4	0.00	0.00	
3,600.0	15.80	141.42	3,484.8	-668.1	532.9	854.6	0.00	0.00	
3,700.0	15.80	141.42	3,581.0	-689.4	549.9	881.9	0.00	0.00	
3,800.0	15.80	141.42	3,677.2	-710.7	566.9	909.1	0.00	0.00	
3,900.0	15.80	141.42	3,773.4	-732.0	583.9	936.3	0.00	0.00	
4,000.0	15.80	141.42	3,869.6	-753.3	600.9	963.6	0.00	0.00	
4,100.0	15.80	141.42	3,965.9	-774.6	617.8	990.8	0.00	0.00	
4,200.0	15.80	141.42	4,062.1	-795.9	634.8	1,018.0	0.00	0.00	
4,300.0	15.80	141.42	4,158.3	-817.2	651.8	1,045.3	0.00	0.00	
4,400.0	15.80	141.42	4,254.5	-838.5	668.8	1,072.5	0.00	0.00	
4,448.9	15.80	141.42	4,301.6	-848.9	677.1	1,085.8	0.00	0.00	WASATCH_G_ZONE.MBL (SSTVD)
4,500.0	15.80	141.42	4,350.7	-859.7	685.8	1,099.7	0.00	0.00	
4,600.0	15.80	141.42	4,447.0	-881.0	702.7	1,127.0	0.00	0.00	
4,700.0	15.80	141.42	4,543.2	-902.3	719.7	1,154.2	0.00	0.00	
4,775.3	15.80	141.42	4,615.6	-918.4	732.5	1,174.7	0.00	0.00	FORT_UNION.MBL (SSTVD)
4,800.0	15.80	141.42	4,639.4	-923.6	736.7	1,181.4	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 34A-1
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8358.6usft (H&P 330)
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8358.6usft (H&P 330)
Site:	S1-T7S-R97W (MESA E1-797)	North Reference:	True
Well:	PUCKETT 34A-1	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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
4,900.0	15.80	141.42	4,735.6	-944.9	753.7	1,208.7	0.00	0.00	
5,000.0	15.80	141.42	4,831.8	-966.2	770.7	1,235.9	0.00	0.00	
5,100.0	15.80	141.42	4,928.1	-987.5	787.6	1,263.1	0.00	0.00	
5,200.0	15.80	141.42	5,024.3	-1,008.8	804.6	1,290.4	0.00	0.00	
5,300.0	15.80	141.42	5,120.5	-1,030.1	821.6	1,317.6	0.00	0.00	
5,400.0	15.80	141.42	5,216.7	-1,051.4	838.6	1,344.8	0.00	0.00	
5,500.0	15.80	141.42	5,312.9	-1,072.6	855.6	1,372.1	0.00	0.00	
5,600.0	15.80	141.42	5,409.2	-1,093.9	872.6	1,399.3	0.00	0.00	
5,700.0	15.80	141.42	5,505.4	-1,115.2	889.5	1,426.5	0.00	0.00	
5,800.0	15.80	141.42	5,601.6	-1,136.5	906.5	1,453.8	0.00	0.00	
5,900.0	15.80	141.42	5,697.8	-1,157.8	923.5	1,481.0	0.00	0.00	
6,000.0	15.80	141.42	5,794.0	-1,179.1	940.5	1,508.2	0.00	0.00	
6,044.2	15.80	141.42	5,836.6	-1,188.5	948.0	1,520.3	0.00	0.00	OHIO_CREEK.MBL (SSTVD)
6,100.0	15.80	141.42	5,890.3	-1,200.4	957.5	1,535.5	0.00	0.00	
6,200.0	15.80	141.42	5,986.5	-1,221.7	974.4	1,562.7	0.00	0.00	
6,264.6	15.80	141.42	6,048.6	-1,235.4	985.4	1,580.3	0.00	0.00	WILLIAMS_FORK.MBL (SSTVD)
6,300.0	15.80	141.42	6,082.7	-1,243.0	991.4	1,589.9	0.00	0.00	
6,400.0	15.80	141.42	6,178.9	-1,264.3	1,008.4	1,617.2	0.00	0.00	
6,447.4	15.80	141.42	6,224.5	-1,274.3	1,016.4	1,630.1	0.00	0.00	Start Drop -3.00
6,500.0	14.22	141.42	6,275.3	-1,285.0	1,024.9	1,643.7	3.00	-3.00	
6,600.0	11.22	141.42	6,372.9	-1,302.2	1,038.7	1,665.7	3.00	-3.00	
6,700.0	8.22	141.42	6,471.4	-1,315.4	1,049.2	1,682.6	3.00	-3.00	
6,800.0	5.22	141.42	6,570.7	-1,324.6	1,056.5	1,694.3	3.00	-3.00	
6,900.0	2.22	141.42	6,670.5	-1,329.6	1,060.6	1,700.8	3.00	-3.00	
6,974.1	0.00	0.00	6,744.6	-1,330.8	1,061.5	1,702.2	3.00	-3.00	EOD; INC=0°
7,000.0	0.00	0.00	6,770.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
7,074.1	0.00	0.00	6,844.6	-1,330.8	1,061.5	1,702.2	0.00	0.00	TOP_GAS.MBL (SSTVD)
7,100.0	0.00	0.00	6,870.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
7,200.0	0.00	0.00	6,970.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
7,300.0	0.00	0.00	7,070.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
7,400.0	0.00	0.00	7,170.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
7,500.0	0.00	0.00	7,270.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
7,600.0	0.00	0.00	7,370.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
7,700.0	0.00	0.00	7,470.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
7,800.0	0.00	0.00	7,570.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
7,900.0	0.00	0.00	7,670.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
8,000.0	0.00	0.00	7,770.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
8,100.0	0.00	0.00	7,870.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
8,200.0	0.00	0.00	7,970.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
8,300.0	0.00	0.00	8,070.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
8,400.0	0.00	0.00	8,170.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
8,500.0	0.00	0.00	8,270.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
8,600.0	0.00	0.00	8,370.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
8,700.0	0.00	0.00	8,470.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
8,800.0	0.00	0.00	8,570.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
8,862.1	0.00	0.00	8,632.6	-1,330.8	1,061.5	1,702.2	0.00	0.00	ROLLINS.MBL (SSTVD)
8,900.0	0.00	0.00	8,670.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
9,000.0	0.00	0.00	8,770.5	-1,330.8	1,061.5	1,702.2	0.00	0.00	
9,012.1	0.00	0.00	8,782.6	-1,330.8	1,061.5	1,702.2	0.00	0.00	TD at 9012.1 - TD.MBL (SSTVD)

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 34A-1
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8358.6usft (H&P 330)
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8358.6usft (H&P 330)
Site:	S1-T7S-R97W (MESA E1-797)	North Reference:	True
Well:	PUCKETT 34A-1	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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 34A-1 PBHL	0.00	0.00	8,782.6	-1,330.8	1,061.5	14,346,462.30	2,439,414.70	39.472322	-108.168925
- plan hits target center									
- Circle (radius 50.0)									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
4,448.9	4,301.6	WASATCH_G_ZONE.MBL (SSTVD)		0.00		
4,775.3	4,615.6	FORT_UNION.MBL (SSTVD)		0.00		
6,044.2	5,836.6	OHIO_CREEK.MBL (SSTVD)		0.00		
6,264.6	6,048.6	WILLIAMS_FORK.MBL (SSTVD)		0.00		
7,074.1	6,844.6	TOP_GAS.MBL (SSTVD)		0.00		
8,862.1	8,632.6	ROLLINS.MBL (SSTVD)		0.00		
9,012.1	8,782.6	TD.MBL (SSTVD)		0.00		

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(usft)	(usft)	+N/-S	+E/-W	Comment	
(usft)	(usft)	(usft)	(usft)		
200.0	200.0	0.0	0.0	KOP @ 200' MD	
726.8	720.1	-56.4	45.0	EOB; INC=15.8°	
6,447.4	6,224.5	-1,274.3	1,016.4	Start Drop -3.00	
6,974.1	6,744.6	-1,330.8	1,061.5	EOD; INC=0°	
9,012.1	8,782.6	-1,330.8	1,061.5	TD at 9012.1	