



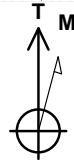
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	725.1	4.50	91.73	724.9	-0.3	8.8	2.00	91.73	8.8	
4	5556.3	4.50	91.73	5541.1	-11.7	387.9	0.00	0.00	388.0	
5	5781.4	0.00	0.00	5766.0	-12.0	396.7	2.00	180.00	396.9	
6	6281.4	0.00	0.00	6266.0	-12.0	396.7	0.00	0.00	396.9	PUCKETT SWD N6-796 PBHL 7.7

Project: Garfield County, CO
Site: S6-T7S-R96W (MESA N6)
Well: PUCKETT SWD N6-796
Wellbore: HZ
Design: PLAN #2

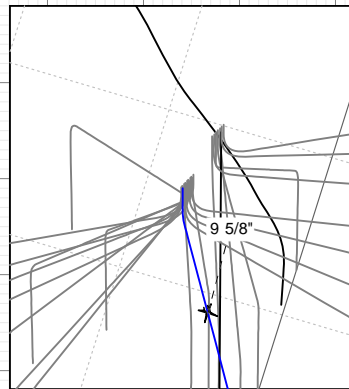
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
5708.0	5723.4	OHIO_CREEK.MBL (SSTVD)
5966.0	5981.4	WILLIAMS_FORK.MBL (SSTVD)
6266.0	6281.4	TD.MBL (SSTVD)



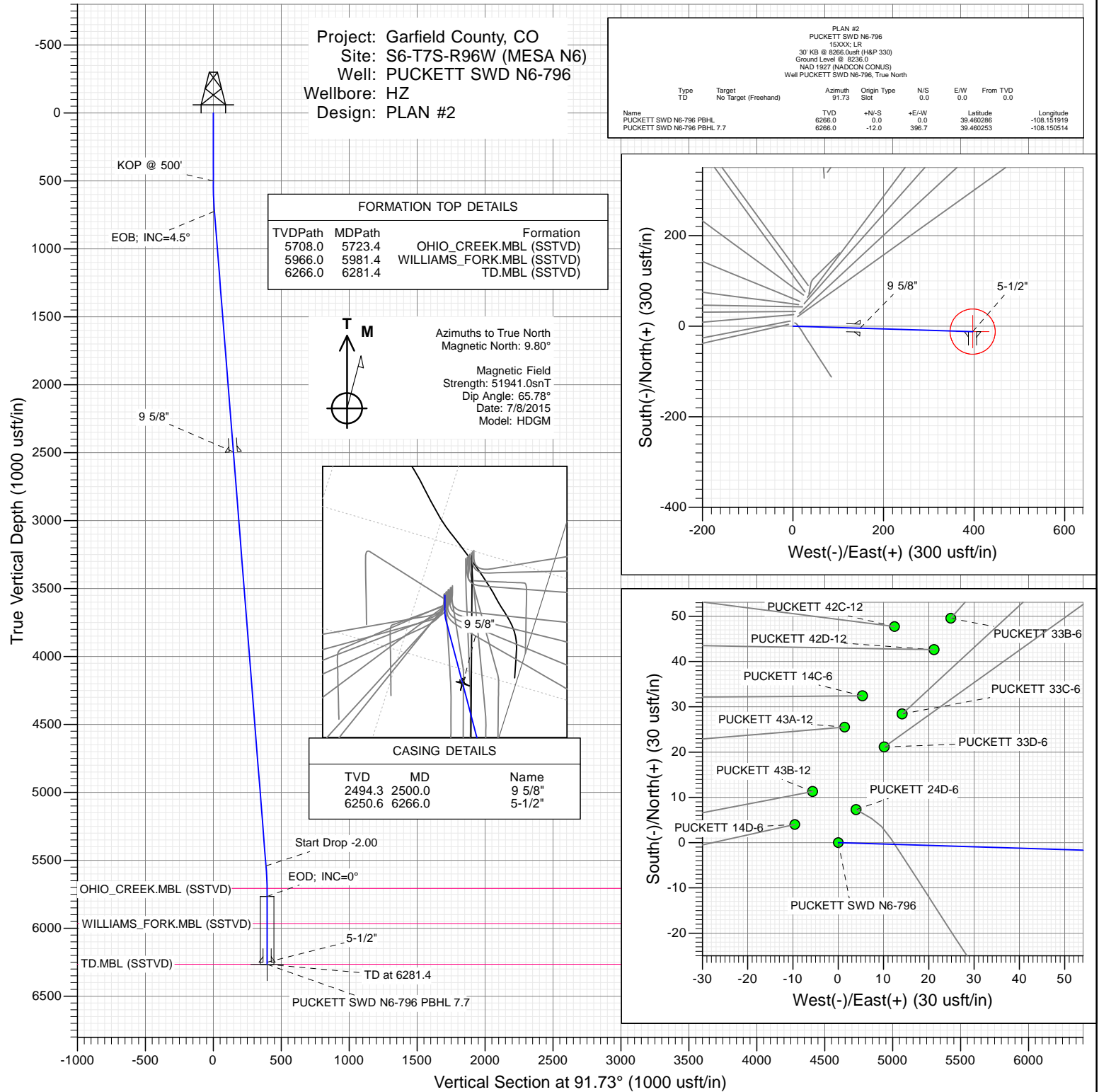
Azimuths to True North
Magnetic North: 9.80°

Magnetic Field
Strength: 51941.0snT
Dip Angle: 65.78°
Date: 7/8/2015
Model: HDGM

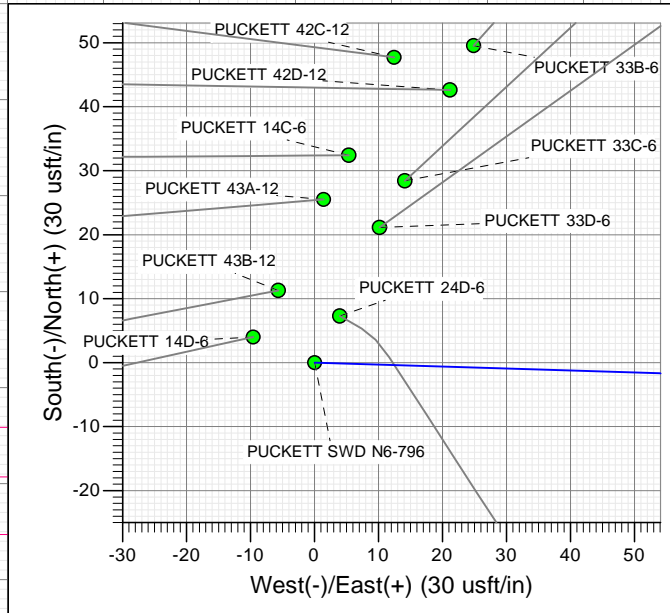
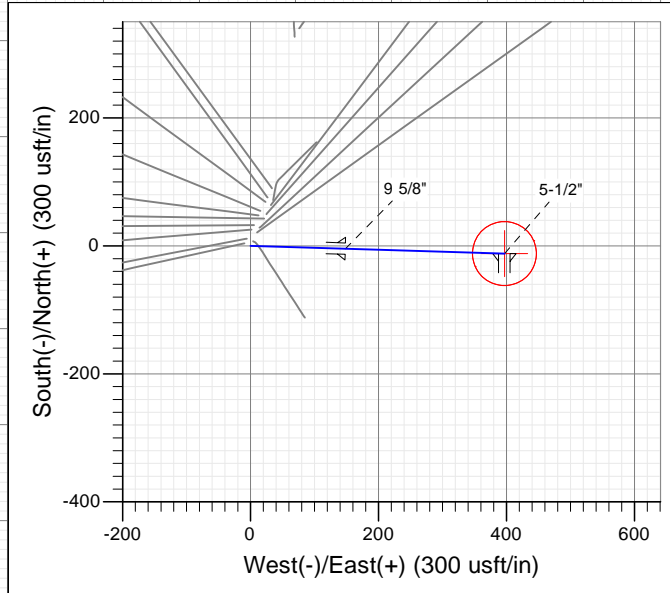


CASING DETAILS

TVD	MD	Name
2494.3	2500.0	9 5/8"
6250.6	6266.0	5-1/2"



Name	Type	Target	No Target (Freehand)	Azimuth	Origin	Type	N/S	E/W	From	TVD
PUCKETT SWD N6-796 PBHL	TD			91.73		Slot	0.0	0.0	0.0	6266.0
PUCKETT SWD N6-796 PBHL 7.7				91.73		Slot	0.0	0.0	0.0	6266.0



WELL DETAILS: PUCKETT SWD N6-796

+N/-S	+E/-W	North	Ground Level:	8236.0	Latitude	Longitude
0.0	0.0	603454.42	Easting	1251334.40	39.460286	-108.151919



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT SWD N6-796
Company:	Caerus Oil & Gas (NAD 27)	TVD Reference:	30' KB @ 8266.0usft (H&P 330)
Project:	Garfield County, CO	MD Reference:	30' KB @ 8266.0usft (H&P 330)
Site:	S6-T7S-R96W (MESA N6)	North Reference:	True
Well:	PUCKETT SWD N6-796	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	PLAN #2		

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

Site		S6-T7S-R96W (MESA N6)			
Site Position:		Northing:	603,857.91 usft	Latitude:	39.461403
From:	Lat/Long	Easting:	1,251,455.78 usft	Longitude:	-108.151531
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.67 °

Well	PUCKETT SWD N6-796					
Well Position	+N/-S	0.0 usft	Northing:	603,454.42 usft	Latitude:	39.460286
	+E/-W	0.0 usft	Easting:	1,251,334.40 usft	Longitude:	-108.151919
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	8,236.0 usft

Wellbore	HZ				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	7/8/2015	9.80	65.78	51,941

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	91.73	

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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
725.1	4.50	91.73	724.9	-0.3	8.8	2.00	2.00	0.00	91.73	
5,556.3	4.50	91.73	5,541.1	-11.7	387.9	0.00	0.00	0.00	0.00	
5,781.4	0.00	0.00	5,766.0	-12.0	396.7	2.00	-2.00	0.00	180.00	
6,281.4	0.00	0.00	6,266.0	-12.0	396.7	0.00	0.00	0.00	0.00	PUCKETT SWD N6-7

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT SWD N6-796
Company:	Caerus Oil & Gas (NAD 27)	TVD Reference:	30' KB @ 8266.0usft (H&P 330)
Project:	Garfield County, CO	MD Reference:	30' KB @ 8266.0usft (H&P 330)
Site:	S6-T7S-R96W (MESA N6)	North Reference:	True
Well:	PUCKETT SWD N6-796	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
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	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	KOP @ 500'
600.0	2.00	91.73	600.0	-0.1	1.7	1.7	2.00	2.00	
700.0	4.00	91.73	699.8	-0.2	7.0	7.0	2.00	2.00	
725.1	4.50	91.73	724.9	-0.3	8.8	8.8	2.00	2.00	EOB; INC=4.5°
800.0	4.50	91.73	799.5	-0.4	14.7	14.7	0.00	0.00	
900.0	4.50	91.73	899.2	-0.7	22.6	22.6	0.00	0.00	
1,000.0	4.50	91.73	998.9	-0.9	30.4	30.4	0.00	0.00	
1,100.0	4.50	91.73	1,098.6	-1.2	38.2	38.3	0.00	0.00	
1,200.0	4.50	91.73	1,198.3	-1.4	46.1	46.1	0.00	0.00	
1,300.0	4.50	91.73	1,298.0	-1.6	53.9	54.0	0.00	0.00	
1,400.0	4.50	91.73	1,397.7	-1.9	61.8	61.8	0.00	0.00	
1,500.0	4.50	91.73	1,497.4	-2.1	69.6	69.7	0.00	0.00	
1,600.0	4.50	91.73	1,597.1	-2.3	77.5	77.5	0.00	0.00	
1,700.0	4.50	91.73	1,696.8	-2.6	85.3	85.4	0.00	0.00	
1,800.0	4.50	91.73	1,796.5	-2.8	93.2	93.2	0.00	0.00	
1,900.0	4.50	91.73	1,896.1	-3.1	101.0	101.1	0.00	0.00	
2,000.0	4.50	91.73	1,995.8	-3.3	108.9	108.9	0.00	0.00	
2,100.0	4.50	91.73	2,095.5	-3.5	116.7	116.8	0.00	0.00	
2,200.0	4.50	91.73	2,195.2	-3.8	124.5	124.6	0.00	0.00	
2,300.0	4.50	91.73	2,294.9	-4.0	132.4	132.5	0.00	0.00	
2,400.0	4.50	91.73	2,394.6	-4.2	140.2	140.3	0.00	0.00	
2,500.0	4.50	91.73	2,494.3	-4.5	148.1	148.2	0.00	0.00	9 5/8"
2,600.0	4.50	91.73	2,594.0	-4.7	155.9	156.0	0.00	0.00	
2,700.0	4.50	91.73	2,693.7	-5.0	163.8	163.9	0.00	0.00	
2,800.0	4.50	91.73	2,793.4	-5.2	171.6	171.7	0.00	0.00	
2,900.0	4.50	91.73	2,893.1	-5.4	179.5	179.6	0.00	0.00	
3,000.0	4.50	91.73	2,992.7	-5.7	187.3	187.4	0.00	0.00	
3,100.0	4.50	91.73	3,092.4	-5.9	195.2	195.2	0.00	0.00	
3,200.0	4.50	91.73	3,192.1	-6.1	203.0	203.1	0.00	0.00	
3,300.0	4.50	91.73	3,291.8	-6.4	210.9	210.9	0.00	0.00	
3,400.0	4.50	91.73	3,391.5	-6.6	218.7	218.8	0.00	0.00	
3,500.0	4.50	91.73	3,491.2	-6.9	226.5	226.6	0.00	0.00	
3,600.0	4.50	91.73	3,590.9	-7.1	234.4	234.5	0.00	0.00	
3,700.0	4.50	91.73	3,690.6	-7.3	242.2	242.3	0.00	0.00	
3,800.0	4.50	91.73	3,790.3	-7.6	250.1	250.2	0.00	0.00	
3,900.0	4.50	91.73	3,890.0	-7.8	257.9	258.0	0.00	0.00	
4,000.0	4.50	91.73	3,989.7	-8.0	265.8	265.9	0.00	0.00	
4,100.0	4.50	91.73	4,089.4	-8.3	273.6	273.7	0.00	0.00	
4,200.0	4.50	91.73	4,189.0	-8.5	281.5	281.6	0.00	0.00	
4,300.0	4.50	91.73	4,288.7	-8.8	289.3	289.4	0.00	0.00	
4,400.0	4.50	91.73	4,388.4	-9.0	297.2	297.3	0.00	0.00	
4,500.0	4.50	91.73	4,488.1	-9.2	305.0	305.1	0.00	0.00	
4,600.0	4.50	91.73	4,587.8	-9.5	312.8	313.0	0.00	0.00	
4,700.0	4.50	91.73	4,687.5	-9.7	320.7	320.8	0.00	0.00	
4,800.0	4.50	91.73	4,787.2	-9.9	328.5	328.7	0.00	0.00	
4,900.0	4.50	91.73	4,886.9	-10.2	336.4	336.5	0.00	0.00	
5,000.0	4.50	91.73	4,986.6	-10.4	344.2	344.4	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT SWD N6-796
Company:	Caerus Oil & Gas (NAD 27)	TVD Reference:	30' KB @ 8266.0usft (H&P 330)
Project:	Garfield County, CO	MD Reference:	30' KB @ 8266.0usft (H&P 330)
Site:	S6-T7S-R96W (MESA N6)	North Reference:	True
Well:	PUCKETT SWD N6-796	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
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
5,100.0	4.50	91.73	5,086.3	-10.7	352.1	352.2	0.00	0.00	
5,200.0	4.50	91.73	5,186.0	-10.9	359.9	360.1	0.00	0.00	
5,300.0	4.50	91.73	5,285.7	-11.1	367.8	367.9	0.00	0.00	
5,400.0	4.50	91.73	5,385.3	-11.4	375.6	375.8	0.00	0.00	
5,500.0	4.50	91.73	5,485.0	-11.6	383.5	383.6	0.00	0.00	
5,556.3	4.50	91.73	5,541.1	-11.7	387.9	388.0	0.00	0.00	Start Drop -2.00
5,600.0	3.63	91.73	5,584.8	-11.8	391.0	391.1	2.00	-2.00	
5,700.0	1.63	91.73	5,684.6	-12.0	395.5	395.7	2.00	-2.00	
5,723.4	1.16	91.73	5,708.0	-12.0	396.1	396.3	2.00	-2.00	OHIO_CREEK.MBL (SSTVD)
5,781.4	0.00	0.00	5,766.0	-12.0	396.7	396.9	2.00	-2.00	EOD; INC=0°
5,800.0	0.00	0.00	5,784.6	-12.0	396.7	396.9	0.00	0.00	
5,900.0	0.00	0.00	5,884.6	-12.0	396.7	396.9	0.00	0.00	
5,981.4	0.00	0.00	5,966.0	-12.0	396.7	396.9	0.00	0.00	WILLIAMS_FORK.MBL (SSTVD)
6,000.0	0.00	0.00	5,984.6	-12.0	396.7	396.9	0.00	0.00	
6,100.0	0.00	0.00	6,084.6	-12.0	396.7	396.9	0.00	0.00	
6,200.0	0.00	0.00	6,184.6	-12.0	396.7	396.9	0.00	0.00	
6,266.0	0.00	0.00	6,250.6	-12.0	396.7	396.9	0.00	0.00	5-1/2"
6,281.4	0.00	0.00	6,266.0	-12.0	396.7	396.9	0.00	0.00	TD at 6281.4 - TD.MBL (SSTVD) - PUCKETT S

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PUCKETT SWD N6-796 - plan misses target center by 396.9usft at 6281.4usft MD (6266.0 TVD, -12.0 N, 396.7 E) - Circle (radius 50.0)	0.00	0.00	6,266.0	0.0	0.0	603,454.42	1,251,334.40	39.460286	-108.151919
PUCKETT SWD N6-796 - plan hits target center - Circle (radius 50.0)	0.00	0.00	6,266.0	-12.0	396.7	603,430.84	1,251,730.59	39.460253	-108.150514

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
6,266.0	6,250.6	5-1/2"	5-1/2	8-3/4
2,500.0	2,494.3	9 5/8"	9-5/8	13-1/2

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,723.4	5,708.0	OHIO_CREEK.MBL (SSTVD)		0.00	
5,981.4	5,966.0	WILLIAMS_FORK.MBL (SSTVD)		0.00	
6,281.4	6,266.0	TD.MBL (SSTVD)		0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT SWD N6-796
Company:	Caerus Oil & Gas (NAD 27)	TVD Reference:	30' KB @ 8266.0usft (H&P 330)
Project:	Garfield County, CO	MD Reference:	30' KB @ 8266.0usft (H&P 330)
Site:	S6-T7S-R96W (MESA N6)	North Reference:	True
Well:	PUCKETT SWD N6-796	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	PLAN #2		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
500.0	500.0	0.0	0.0	KOP @ 500'
725.1	724.9	-0.3	8.8	EOB; INC=4.5°
5,556.3	5,541.1	-11.7	387.9	Start Drop -2.00
5,781.4	5,766.0	-12.0	396.7	EOD; INC=0°
6,281.4	6,266.0	-12.0	396.7	TD at 6281.4