

**Piceance Federal 28-04M
Mesa County, Colorado
DRILLING PROGNOSIS**

Surface Location

SW/4 of NW/4
Section 28 T9S R93W 6th P.M.
Graded Elevation 7556' MSL
RKB Elevation 7578' (22' KB Patterson 306)

SHL Geographical Coordinates (NAD-83)

Slot A-6
Latitude 39.251038889° N
Longitude 107.779486110° W

Directional Target

50-ft radius cylinder centered on BHL
From estimated top of gas (TOG) to TD

BHL Geographical Coordinates (NAD-83)

Latitude 39.252897222° N
Longitude 107.774505560° W

Casing OD	Hole Size	Weight	Grade	Coupling	Setting Depth (MD)	Top of Cement
16"	Conductor	¾" WT	-	Welded	40-ft BGL	Grouted
8-5/8"	11"	24 ppf	J-55	STC	1545-ft	surface
4-1/2"	7-7/8"	11.6 ppf	I-80	LTC	8217-ft	1022-ft

Cementing Details

8-5/8" Surface Casing

Halliburton Name
Type
Additives
Planned top
Density (ppg)
Yield (cf/sx)
Volume (sx)
Volume (bbls)

Lead

VariCem GJ5
Extended
Pol-E-Flake
Surface
12.30
2.45
192
84

Tail

VariCem GJ5
Extended
Pol-E-Flake
1000-ft
12.80
2.17
114
44

4-1/2" Production Casing

Halliburton Name
Type
Additives
Planned top
Density (ppg)
Yield (cf/sx)
Volume (sx)
Volume (bbls)

Lead

VersaCem
50:50 Poz:G
Pol-E-Flake, Kol-Seal
1022-ft
12.80
1.75
829
259

Tail

ExpandaCem
50:50 Poz:G
Silica Flour, Pol-E-Flake, Kol-Seal
5317-ft
13.30
1.89
545
183

Formation Tops

Name	MD (ft)	TVD (ft)	Expected Pore Pressure (ppg)	Planned Mud Weight (ppg)
Wasatch	-	Ground level		
'G' Sand	3019	2858	8.8	9.0 - 9.3
Williams Fork	5016	4708	8.8	9.0 - 9.3
Top of Gas	5517	5208	8.8 - 9.2	9.0 - 9.5
Cameo	7317	7008	8.8 - 9.2	9.0 - 9.5
Base Cameo Coal	7975	7666	8.8 - 9.2	9.0 - 9.5
Rollins	8017	7708	9.0 - 9.5	9.3 - 9.7
Total Depth	8217	7908	9.0 - 9.5	9.5 - 9.7

BOP : 11" 5M Double Gate & 11" 5M Annular Preventer, Rotating Head