

**Piceance 28-04W**  
**Mesa County, Colorado**  
**DRILLING PROGNOSIS**

**Surface Location**

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

**SHL Geographical Coordinates (NAD-83)**

Slot B-2  
 Latitude 39.251150000° N  
 Longitude 107.779647220° W

**Directional Target**

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

**BHL Geographical Coordinates (NAD-83)**

Latitude 39.252950000° N  
 Longitude 107.780719440° 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	1536-ft	surface
4-1/2"	7-7/8"	11.6 ppf	I-80	LTC	7931-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  
 772  
 241

Tail

ExpandaCem  
 50:50 Poz:G  
 Silica Flour, Pol-E-Flake, Kol-Seal  
 5031-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	2856	2826	8.8	9.0 - 9.3
Williams Fork	4730	4676	8.8	9.0 - 9.3
Top of Gas	5231	5176	8.8 - 9.2	9.0 - 9.5
Cameo	7031	6976	8.8 - 9.2	9.0 - 9.5
Base Cameo Coal	7689	7634	8.8 - 9.2	9.0 - 9.5
Rollins	7731	7676	9.0 - 9.5	9.3 - 9.7
Total Depth	7931	7876	9.0 - 9.5	9.5 - 9.7

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