

# Bruton 30-12E

## Mesa County, Colorado

### DRILLING PROGNOSIS

#### Surface Location

NW/4 of SE/4  
 Section 30 T9S R93W 6<sup>th</sup> P.M.  
 Graded Elevation 7643' MSL  
 RKB Elevation 7665' (22' KB Patterson 306)

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

Slot B-5  
 Latitude 39.248069444° N  
 Longitude 107.808858333° W

#### Directional Target

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

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

Latitude 39.247313889° N  
 Longitude 107.805430556° W

Casing OD	Hole Size	Weight	Condition	Grade	Coupling	Setting Depth (MD)	Top of Cement
16"	26"	¾" WT	New	-	Welded	40-ft BGL	surface
8-5/8"	11"	24 ppf	New	J-55	STC	1538-ft	surface
4-1/2"	7-7/8"	11.6 ppf	New	I-80	LTC	7853-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  
 896  
 280

##### Tail

ExpandaCem  
 50:50 Poz:G  
 Silica Flour, Pol-E-Flake, Kol-Seal  
 5653-ft  
 13.30  
 1.89  
 414  
 139

#### Formation Tops (Sd = Sand; Sh = Shale; SW = salt water)

Name	MD (ft)	TVD (ft)	Description	Expected Pore Pressure (ppg)	Planned Mud Weight (ppg)
Wasatch	-	G.L.	Sd/Sh; freshwater to 500'	8.3	8.5 – 8.8
'G' Sand	2743	2700	Sd/Sh; gas	8.8	9.0 - 9.3
Williams Fork	4636	4550	Sd/Sh; gas & SW	8.8	9.0 - 9.3
Top of Gas	5853	5750	Sd/Sh; gas & SW	8.8 - 9.2	9.0 - 9.5
Cameo	6953	6850	Sd/Sh/Coals; gas & condensate	8.8 - 9.2	9.0 - 9.5
Base Cameo Coal	7611	7508	Sd/Sh/Coals; gas & condensate	8.8 - 9.2	9.0 - 9.5
Rollins	7653	7550	Sd/Sh; gas, condensate & SW	9.0 - 9.5	9.3 - 9.7
Total Depth	7853	7750	Sd/Sh; gas, condensate & SW	9.0 - 9.5	9.5 - 9.7

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