

**Nichols 0994-24-07W**  
**Mesa County, Colorado**  
**DRILLING PROGNOSIS**

**Surface Location**

SW/4 of NE/4  
 Section 24 T9S R94W 6<sup>th</sup> P.M.  
 Graded Elevation 7137' MSL  
 RKB Elevation 7167' (30' KB H&P 522)

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

Slot B-10  
 Latitude 39.264578000° N  
 Longitude 107.830644000° W

**Directional Target**

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

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

Latitude 39.265147000° N  
 Longitude 107.835242000° W

Casing OD	Hole Size	Weight	Condition	Grade	Coupling	Setting Depth (MD)	Top of Cement
16"	26"	¾" WT	New	-	Welded	60-ft BGL	surface
8-5/8"	11"	24 ppf	New	J-55	STC	1530-ft	surface
4-1/2"	7-7/8"	11.6 ppf	New	Next-80	LTC	7538-ft	1030-ft

**Cementing Details**

8-5/8" Surface Casing

Halliburton Name	VariCem GJ5	Tail
Type	Extended	Extended
Additives	Pol-E-Flake	Pol-E-Flake
Planned top	Surface	1000-ft
Density (ppg)	12.30	12.80
Yield (cf/sx)	2.45	2.18
Volume (sx)	197	109
Volume (bbls)	86	42

4-1/2" Production Casing

Halliburton Name	NeoCem GJ2	Tail
Type	II/V	50:50 Poz:G
Additives	Pol-E-Flake	Pol-E-Flake, Kol-Seal
Planned top	1030-ft	5488-ft
Density (ppg)	12.50	13.30
Yield (cf/sx)	1.94	1.73
Volume (sx)	781	419
Volume (bbls)	270	129

**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	2419	2355	Sd/Sh; gas	8.8	9.0 - 9.3
Williams Fork	4244	4105	Sd/Sh; gas & SW	8.8	9.0 - 9.3
Top of Gas	5688	5505	Sd/Sh; gas & SW	8.8 - 9.2	9.0 - 9.5
Cameo	6588	6405	Sd/Sh/Coals; gas & condensate	8.8 - 9.2	9.0 - 9.5
Base Cameo Coal	7248	7065	Sd/Sh/Coals; gas & condensate	8.8 - 9.2	9.0 - 9.5
Rollins	7288	7105	Sd/Sh; gas, condensate & SW	9.0 - 9.5	9.3 - 9.7
Total Depth	7538	7355	Sd/Sh; gas, condensate & SW	9.0 - 9.5	9.5 - 9.7

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