

Deal Gulch 8-16

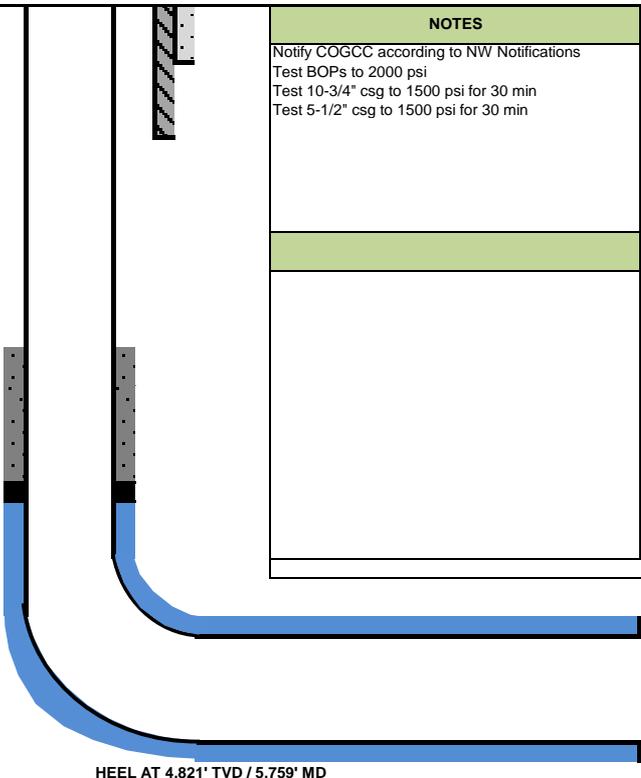
Proposed Schematic

3-Oct-12

Field: WFU	AFE / Network #: 0	LAT: 40° 23' 16.830 N
County: Moffat	Shell Working Interest: 100%	LONG: 107° 29' 52.650 W
Township: Sec: 16, Twp: 5n, Rng: 90W	AFE Drilling Cost: \$0	Ground Elevation: 7167 ft (surveyed)
Rig: Savanna 650	Plan Days: 0	RKB to Ground: 16 ft
Permit API: 0		RKB Elevation: 7183 ft

Objectives: Drill Surface and Intermediate into top of Niobrara
Drill Lateral to total MD without losses

30" Hole drilled to 20" pipe (0.25") set @ Cement to surface	90 90
13-1/2" Hole drilled to 10-3/4" 40.5# J-55 STC @ Cement to surface	1250 1250
7-7/8" Hole drilled to 5-1/2" 17# N-80 H-511 @	8691 8691



NOTES	Casing
Notify COGCC according to NW Notifications Test BOPs to 2000 psi Test 10-3/4" csg to 1500 psi for 30 min Test 5-1/2" csg to 1500 psi for 30 min	Surface: 10 3/4" 40.5# J-55 R3 ST&C 0-1250 ft Production: 5 1/2" 17# N-80 R3 H511 0 - 4821' TVD / 0 - 8691' MD
DRILLING FLUIDS	
	Surface: Clear Gyp Water Hi-Vis Sweeps as needed Intermediate: Clear Gyp Water + Air Begin with 350 SCFM + 350 GPM Watch Cuttings return to gauge cleaning Production: Aerated OBM

Bottom of cement 4814' MD

TOE AT 4,979' TVD / 8,691' MD

HEEL AT 4,821' TVD / 5,759' MD