

# Deal Gulch 3-16

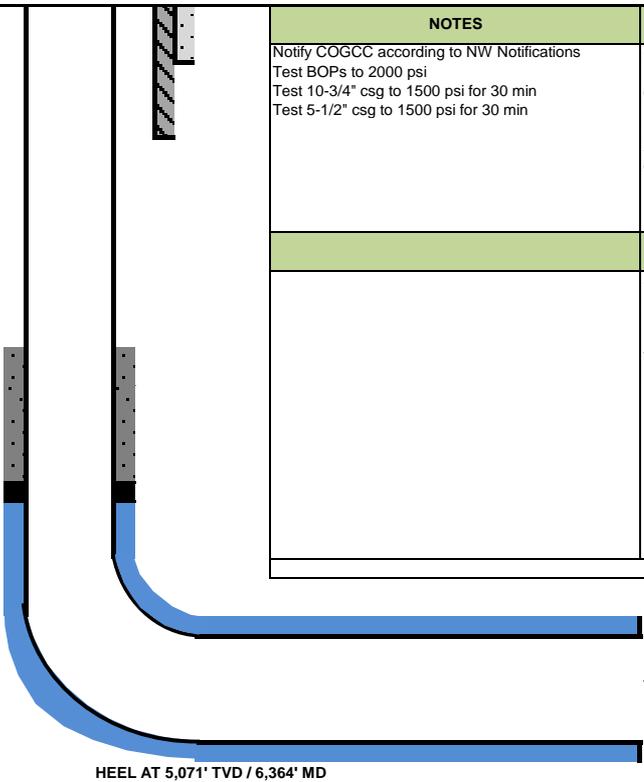
# Proposed Schematic

2-Oct-12

<b>Field:</b> WFU	<b>AFE / Network #:</b> 0	<b>LAT:</b> 40°23'17.49"
<b>County:</b> Moffat	<b>Shell Working Interest:</b> 100%	<b>LONG:</b> 107°29'54.56"
<b>Township:</b> Sec: 16, Twp: 5n, Rng: 90W	<b>AFE Drilling Cost:</b> \$0	<b>Ground Elevation:</b> 7210 ft (surveyed)
<b>Rig:</b> Savanna 650	<b>Plan Days:</b> 0	<b>RKB to Ground:</b> 12 ft
<b>Permit API:</b> 0		<b>RKB Elevation:</b> 7222 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 @	9217 9217



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	<b>Surface:</b> 10 3/4" 40.5# J-55 R3 ST&C 0-1250 ft  <b>Production:</b> 5 1/2" 17# N-80 R3 H511 0 - 5071' TVD / 0 - 9217' MD
	DRILLING FLUIDS
	<b>Surface:</b> Clear Gyp Water Hi-Vis Sweeps as needed <b>Intermediate:</b> Clear Gyp Water + Air Begin with 350 SCFM + 350 GPM Watch Cuttings return to gauge cleaning <b>Production:</b> Aerated OBM

Bottom of cement 5250' MD

TOE AT 4,791' TVD / 9217' MD

HEEL AT 5,071' TVD / 6,364' MD