

Hamilton 2-29

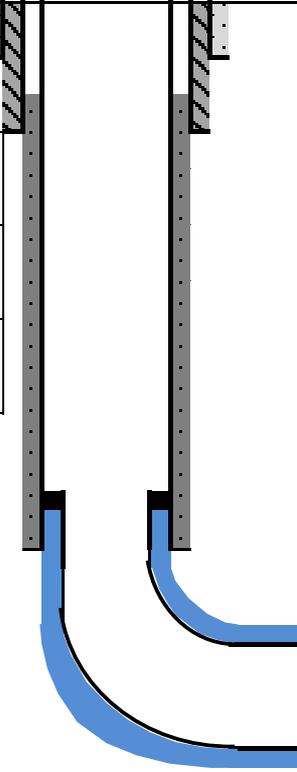
Proposed Schematic

6-Jun-13

Field: WFU	AFE / Network #: 0	LAT: 40° 21' 16.130 N
County: Moffat	Shell Working Interest: 100%	LONG: 107° 37' 17.090 W
Township: Sec:29 , Twp:5 N, Rng:91 W	AFE Drilling Cost: \$0	Ground Elevation: 6343 ft (surveyed)
Rig: Savanna 650	Plan Days: 0	RKB to Ground: 14.5 ft
Permit API: 0		RKB Elevation: 6357.5 ft

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

30" Hole drilled to	90
20" pipe (0.25") set @	90
Cement to surface	
Surface	
13-1/2" Hole drilled to	800
10-3/4" 40.5# J-55 STC @	800
Cement to surface	
Intermediate	
9-7/8" Hole drilled to	2350
7-5/8" 29.7# P-110 LTC @	2350
Top of cement 1550' MD	
Production	
6-3/4" Hole drilled to	5707
5-1/2" 17# N-80 H-511 @	5707



NOTES
Notify COGCC according to NW Notifications
Test BOPs to 2000 psi
Test 10-3/4" csg to 1500 psi for 30 min
Test 7-5/8" csg to 1500 psi for 30 min

Casing
Surface: 10 3/4" 40.5# J-55 R3 ST&C 0-800 ft
Intermediate: 7 5/8" 29.7# P-110 R3 LT&C 0-2350 ft
Production: 5 1/2" 17# N-80 R3 H511 / SLT 2150-5707 ft 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 Follow WFT Program use PWD to watch BHP. Consult Engineer as needed.

TOE AT = 2882' TVD / = 5707' MD

HEEL AT 3087' TVD / = 3550' MD