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| Herring Draw 3-33 | Contingency Schematic | 13-Sep-12 |
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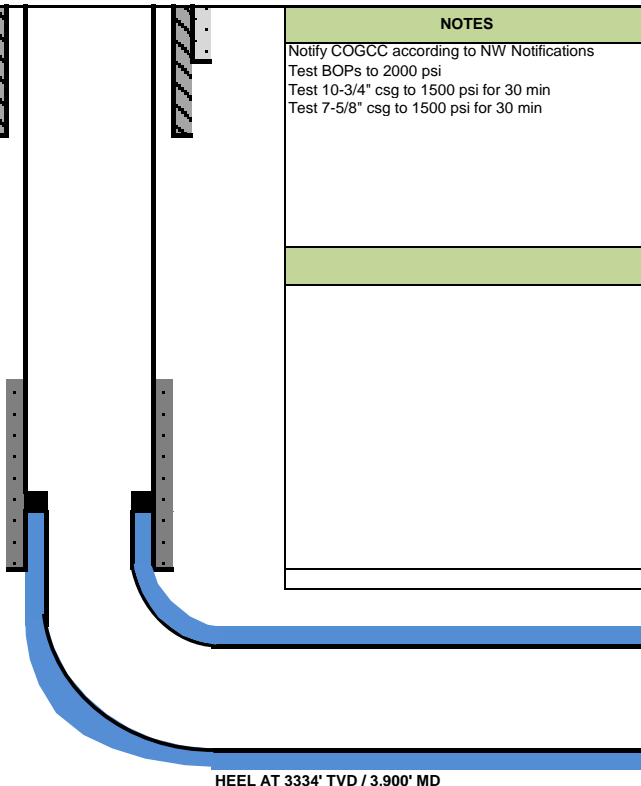
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|---|-------------------------------------|---|
| Field: WFU | AFE / Network #: 0 | LAT: 0 |
| County: Moffat | Shell Working Interest: 100% | LONG: 0 |
| Township: Sec: 33, Twp: 5n, Rng: 90W | AFE Drilling Cost: \$0 | Ground Elevation: 6804 ft (surveyed) |
| Rig: 0 | Plan Days: 0 | RKB to Ground: 16.5 ft |
| Permit API: 0 | | RKB Elevation: 6820.5 ft |

Objectives:

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| 30" Hole drilled to | 90 |
| 20" pipe (0.25") set @ | 90 |
| Cement to surface | |
| 13-1/2" Hole drilled to | 1000 |
| 10-3/4" 40.5# J-55 STC @ | 1000 |
| Cement to surface | |
| 9-7/8" Hole drilled to | 2693 |
| 7-5/8" 29.7# P-110 LTC @ | 2693 |
| Top of cement 4264' MD | |

| 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 7-5/8" csg to 1500 psi for 30 min | Surface: 10 3/4" 40.5# J-55 R3 ST&C 0-1000 ft Intermediate: 7 5/8" 29.7# P-110 R3 LT&C 0-2693 ft Production: 5 1/2" 17# N-80 R3 H511 2493-7303 ft MD (200' liner overlap) |
| | 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. |
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TD AT 2.998' TVD / 7.303' MD' MD

HEEL AT 3334' TVD / 3.900' MD