

SANTA FE ENERGY OPERATING PARTNERS,L.P.  
OPERATIONS PLAN  
Thistle Unit "28" Federal No.1

1. Drill a 17 1/2" hole to approximately 600'.
2. Run 13 3/8" 48.0 ppf H-40 ST&C casing. Cement with 600 sx Class "C" cement containing 2%  $\text{CaCl}_2$ . Run centralizers on every other joint above the shoe. Apply thread lock to bottom two joints and guide shoe.
3. Wait on cement four hours prior to cutting off.
4. Nipple up a annular BOP system with a rotating head and test casing to 600 psi. WOC 18 hrs prior to drilling out.
5. Drill a 12 1/4" hole to approximately 5100'.
6. Run 8 5/8" 32.0 ppf K-55 ST&C casing. Cement with 2000 sx Cl "C" Lite containing 12 pps salt and 1/4 pps celloflake followed by 500 sx Class "C" with 2%  $\text{CaCl}_2$ . Run guide shoe on bottom and float collar two joints of bottom. Centralize every other joint for bottom 400' of casing and place two centralizers in surface casing. Thread lock bottom 2 joints.
7. Wait on cement for six hours prior to cutting off.
8. Nipple up and install a 3000 psi. Double Ram and Annular BOP system with choke manifold. WOC 18 hours prior to drilling out.
9. Test BOP system to 3000 psi. Test casing to 1500 psi.
10. Drill 7 7/8" hole to 9200'. Run logs.
11. Either run and cement 5 1/2" 15.50 & 17.0 ppf K-55 LT&C casing or plug and abandon as per BLM requirements.

Exhibit A  
Santa Fe Energy Operating Partners,L.P.  
Thistle Unit "28" Federal No.1  
Section 28,T-23S,R-33E  
Lea County, New Mexico

DDR:THSTLE28.PMT

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