

Hanley Petroleum Inc.

Union 35 Federal Well #6  
660' FSL & 660' FWL  
Section 35, Township 22-S, Range 28-E  
Eddy County, New Mexico

4. Casing Program:

Hole Size	Interval	OD Csg	Weight, Grade, Jt, Cond, Amt, Loc
12 1/4"	0-450'	8 5/8"	24#, J-55, ST&C, New, 450', Top
7 7/8"	0-TD	4 1/2"	11.6#, N-80, LT&C, Rec, 850', Top
			11.6#, J-55, LT&C, Rec, 7650', Btm

Cement Program:

8 5/8" surface casing: Cemented to surface with 425 sx of Class C + 2% CaCl<sub>2</sub>.

4 1/2" production csg: Cemented in 2 stages DV tool @ +/- 5000'.

Stage 1: +/- 600 sx Class C + 0.6% Halad 322 + 3% salt + 8 #/sx silicalite.

Stage 2: +/- 400 sx Halliburton Lite + 6 # salt and +/- 400 sx Class C + 0.6% Halad 322 + 8 #/sx silicalite.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (3000 psi WP) preventer. It will be hydraulically operated and will be equipped with blind rams on top and 4 1/2" drill pipe rams on bottom. The BOP will be nipped up on the 8 5/8" surface casing and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 1500 psi before drilling out of surface casing.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" kill line and 3" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 3000 psi WP rating.