

PROPOSED DRILLING AND COMPLETION PROCEDURE

Operator: PERRY R. BASS

Lease and Well No: Big Eddy Unit #37 (13000' Morrow Test)

Location: 1980' from the north line and 1980' from the west line of Section 10, T20S, R31E, Eddy County, New Mexico.

Surface Casing:

17 1/2" surface hole is to be drilled using a fresh water - gel-lime mud to an approximate depth of 850'. 13 3/8" OD casing will be set at approximately 850'; setting is anticipated as follows:

No. Jts.	Description	Thds Off Length	From	To
--	Rotary correction	16	0	16
22	13 3/8" OD 48#/ft, H-40 ST&C casing	794	16	810
--	Float collar	2	810	812
1	13 3/8" OD 48#/ft, H-40 ST&C casing	36	812	848
--	Float shoe*	2	848	850

\*The float shoe is to be equipped with lateral exits for cement as it is intended to rest part of the casing weight on bottom.

The bottom three (3) joints are to be sand blasted to remove mill scale and lacquer and in addition are to be welded and sealed with HOWCO-weld. Positive type centralizers are recommended; one set on each of the bottom three (3) joints. API modified thread lubricant is to be used on the casing threads.

Casing is to be cemented to the surface using API class "C" containing 2%  $\text{CaCl}_2$  mixed at 14.0 PPG (yield 1.53 CF/sack); an estimated 600 sacks will be required. A W.O.C. time of 24 hours will be observed after the plug is down.

Prior to drilling the float collar the casing is to be displaced with water (fresh water or brine) and the casing is to be pressure tested to 600 psi for 30 minutes. After drilling the shoe the casing is again to be pressure tested to 600 psi for 30 minutes.