

## SUPPLEMENTAL DRILLING DATA

McKAY OIL CORPORATION  
McKay-Harvey Federal #4  
NW1/4NW1/4 Sec.21-9S-25E  
Chaves County, N.M.

NM 19829

The following items supplement Form 9-331C in accordance with instructions contained in NTL-6.

1. SURFACE FORMATION: Permian Detrital
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

San Andres	- 445'
Glorita	- 1385'
Yeso	- 1455'
Tubb	- 2875'
Abo	- 3615'
3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATION:

Fresh water	- In surface formations above 600'
Gas	- In Abo formation below 3615'
4. PROPOSED CASING PROGRAM: See Form 9-331C
5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of at least a double-ram blowout preventer rated to 3000#WP. A sketch of the BOP is attached.
6. CIRCULATING MEDIUM:

0'- 820'	Lime and gel, spud mud, viscosity 32 to 34 seconds.
820'- 3300'	Fresh water
3300'- TD	Start mudding up at 3300'; viscosity 36 to 38 seconds; water loss 10 cc or less; 3-5% Diesel; 2 KCL

Mud additives will be used to control water loss.
7. AUXILIARY EQUIPMENT: full-opening kelly cock, to fit the drill string in use, will be kept on the rig floor at all times.