

SUPPLEMENTAL DRILLING DATA

MCKAY OIL CORPORATION  
Ruby Federal No. 5  
SW/4 SW/4, Sec. 34, T6S, R22E  
Chaves County, New Mexico

NM-36196

The following is in accordance with "Onshore Oil & Gas Order" No. 1:

1. SURFACE FORMATION: San Andres
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yeso	748'
Tubb	2309'
Abo	3009'
3. ESTIMATED DEPTHS TO WATER, OIL OR GAS:

Fresh water	- In surface formations above 600'.
Gas	- In Abo formation below 3009'
4. PROPOSED CASING AND CEMENT PROGRAMS: See form 3160-3.
5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of at lease a double-ram type blowout preventer rated to 3000 psi working pressure. A sketch is attached.
6. CIRCULATING MEDIUM:

0	- 900'	Lime and gel, spud mud, viscosity 32-34.
900	- 2909'	Fresh water.
2909	- T.D.	Start mudding up at 2909'; viscosity 36-38; water loss 10cc or less; 3-5% Diesel; 2% KCL.
7. AUXILIARY EQUIPMENT: Full opening drill string safety valve with drill string in use, will be kept on rig floor at all times.
8. TESTING, LOGGING AND CORING PROGRAMS:

Samples:	Surface to T.D.
Logging:	GR-CNL, DLL-MSFL from surface to T.D.
Coring :	None anticipated.
9. ABNORMAL PRESSURES OR TEMPERATURE ZONES: None anticipated.
10. ANTICIPATED STARTING DATE: August 28, 1987. Completion operations to follow.