

DRILLING PROGNOSIS

- I. OBJECTIVE: To drill well in the Grayburg-Jackson field, Eddy County, New Mexico. This well will be approximately 3500' deep.
- II. LOCATION: This well will be located in Section 29, Township 17 South, Range 30 East, Eddy County, New Mexico.
- III. PROJECTED TOTAL DEPTH, HOLE SIZE, SLOPE TEST:
- A. 12-1/4" hole to the top of the salt to accomodate 8-5/8" surface casing. (Approximately 350'-500')
 - B. 7-7/8" hole to approximately 3200'-3600' to accomodate 5-1/2" production casing.
 - C. Estimated drilling time 6-8 days per well.
 - D. Slope test will be run on each bit trip or 500' intervals.
 - E. If any coring or drill stem testing is done pipe will be strapped out of hole prior to coring or testing.

IV. DRILLING CONTRACTOR:

- A. Contractor: LaRue Drilling Co.
- B. Type Contract: Footage.
- C. Contract Depth: 3200'-3600'.

V. MUD PROGRAM: Probably will be furnished by Mars or Adobe.

<u>Interval</u>	<u>Type Mud</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>
0 - 3400'	Fresh & Salt Water	9-10	28-30	NC
3400' - 3600'	Salt Mud	10-11	36-38	NC
(Will mud up 200' from T.D.)				

VI. TYPICAL GEOLOGICAL TOPS FOR WELL IN SECTION 29-17S-30E:

<u>Tops</u>	<u>Vertical Depth</u>
Queen	1880'
Loco Hills	2340'
Main Metex	2450'
San Andres	2585'
Lovington	2690'
Jackson Pays	2870'
Lower San Andres Pay	3150'
Keely Pay	3330'
Sub-Keely Pay	3450'

VII. SAMPLES:

- A. 10' Samples from 2200' to T.D. or as directed by company Representative

VIII. CORES AND DRILL STEM TESTS:

- A. At the present time no cores or drill stem tests are planned.

IX. LC:

- A. Proposed logging program will be Sidewall Neutron, Gamma Ray, Caliper from 0'-T.D.

X. CASING AND TUBING PROGRAM:

- A. Surface: 8-5/8" 20-24# range 2 casing to be set approximately (350'-500') and cemented with 100 sacks Class "C" cement with 2% CaCl.

- B. Production: 5-1/2" K-55 14# ST&C casing will be run.

Cementing of production casing will be with Class "H" cement with 1/4# floccel, 3/4 of 1% CFR-2, 5# salt, 10# sand per sack.

XI. SAFETY PROGRAM:

Blowout preventers will be used on well and close observation by company personnel, to assure the well is safely drilled.

XII. THIRD PARTY SERVICES:

Surveying:	John West Engineering
Dirtwork:	Sweatt Construction or Johnston Const.
Cementing:	Dowell or Halliburton
Logging:	Schlumberger
Drilling Mud:	Adobe or Mars
Water Trucking:	I & W or C.L.M.

