

DRILLING PROGNOSIS

GREEN "B" #12
SOUTH EMPIRE MORROW
EDDY COUNTY, NEW MEXICO

I. OBJECTIVE: Drill a 10,800' offset between General American Oil Company of Texas Green "B" #9, and Green "B" #10 both completed in the Morrow Sand.

II. LOCATION:

A. 660' FSL and 2310' FEL of Section 18, Township 17-South, Range 29-East, Eddy County, New Mexico.

B. Elevations: Ground Level: 3658.6'

III. BUDGET CLASSIFICATION: Developmental.

IV. PROJECTED TOTAL DEPTH, HOLE SIZE, SLOPE TEST, AND DRILL PIPE MEASUREMENTS:

- A. 17-1/2" hole to 430' (To accomodate 13-3/8" OD Surface Casing).
- B. 11" hole to 2615' (To accomodate 8-5/8" OD Intermediate Casing).
- C. 7-7/8" hole to 10,800' into the top of the Mississippian Formation.
- D. Estimated drilling time: 60 days.
- E. Run Slope Test at each bit trip or 500' drilled interval or as directed by Company Representative.
- F. Drill pipe should be strapped out of hole before all cores, drill stem tests or logging.

V. DRILLING CONTRACT:

- A. Contractor: W.E.K. Drilling or Landis.
- B. Type Contract: Footage.
- C. Contract Depth: 10,800'.

VI. MUD PROGRAM:

<u>Interval</u>	<u>Type Mud</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>
0' - 430'	Fresh Water	8.4 - 8.6	30 - 32	NC
430' - 2,615'	Salt Water	8.8 - 9.0	28 - 30	NC
2,615' - 7,000'	Fresh Water	8.4 - 8.6	28 - 30	NC
7,000' - 9,600'	KCL Fluid	8.6 - 9.3	30 - 36	10 - 15 cc
9,600' - T.D.	KCL & Drispac	9.1 - 9.5	33 - 36	4 - 6 cc

Mud characteristics will be measured at the beginning of each tour or as directed by Company Representative and recorded on the Driller's Log. Contractor will record all mud additives on Driller's Log for each tour. Hole will be kept full on all trips, making certain hole takes proper amount of fluid.

VII. ESTIMATED GEOLOGICAL TOPS:

<u>Tops</u>	<u>Vertical Depth</u>	<u>Subsea Depth</u>
A. Abo	5,934'	- 2,275'
B. Wolfcamp	7,203'	- 3,544'
C. Cisco	8,721'	- 5,062'
D. Strawn	9,849'	- 6,190'
E. Atoka	10,106'	- 6,447'
F. Morrow	10,242'	- 6,583'
G. Morrow A	10,447'	- 6,788'
H. Morrow B	10,510'	- 6,851'
I. Morrow B'	10,602'	- 6,943'
J. Morrow C	10,657'	- 6,998'
K. Chester	10,688'	- 7,029'
L. T. D.	10,800'	- 7,141'

VIII. SAMPLES:

- A. Samples from 7,000' to T.D. or as directed by Company Representative.

IX. CORES AND DRILL STEM TEST:

- A. Cores - None proposed.

