

# TENNECO OIL COMPANY

## PROGNOSIS TO DRILL AND COMPLETE

DIVISION: Rocky Mountain

DATE: August 28, 1979

LEASE: Mudge

WELL NO.: A-1

LOCATION: 890' FSL, 1,015' FWL  
Sec. 9, T 31N, R 11W  
San Juan County, New Mexico

FIELD: Basin Dakota

ESTIMATED ELEVATION: 6,100' (Est. G.L.)

ESTIMATED TOTAL DEPTH: 7,550'

PROJECTED HORIZON: Dakota

### DRILLING, CASING AND CEMENT PROGRAM:

- (1) MIRURT.
- (2) Drill a 13 3/4" hole to 300±. Run 9 5/8", 36#, K-55, ST&C casing to T.D. and cement to surface. Use 2% CaCl<sub>2</sub> in cement.
- (3) Cut off casing and weld on casing head. Pressure test weld to 1000 psi. NUBOP's and manifold. Pressure test casing, BOP's and manifold to 1000 psi for 30 minutes.
- (4) Drill out shoe and reduce hole to 8 3/4". Drill 8 3/4" hole to 3000±. Run 7", 23#, K-55, ST&C casing to T.D. and cement to surface. (Set 7" 200-300' into Lewis shale.)
- (5) Land casing in slips and cut off. Install drilling spool on casing head. Install rotating head, manifold and flare line. Pressure test blind rams, manifold and casing to 1000 psi for 15 minutes. Pick up drilling assembly and 3 1/2" drill pipe. Pressure test pipe rams to 1000 psi for 15 minutes.
- (6) Drill out of 7" with 6 1/4" bit using gas as circulating fluid. Drill a few feet of formation and then blow hole with gas until it is dusting. Drill to T.D.
- (7) Log the hole dry as directed by the wellsite geological engineer and gauge the natural flow from the Dakota.
- (8) If productive, run 4 1/2", 10.5#-11.6# casing to T.D. as per casing design. Cement in one stage. Bring cement to above Mesaverde zone.
- (9) If nonproductive, plug and abandon as per U.S.G.S. requirements.

### ESTIMATED FORMATION TOPS: Surface - Nacimiento

OJO Alamo	1,255'	Point Look Out	4,905'
Pictured Cliffs	2,695'	Mancos	5,240'
Lewis	2,740'	Gallup	
Cliffhouse	2,295'	Greenhorn	7,130'
Menefee	4,505'	Dakota "A"	7,260'
		T.D.	7,550'