

WELL PROGNOSIS

OPERATOR: Read & Stevens, Inc.

WELL: #3 Harris Fed.

FIELD & DEPTH: Wildcat - Atoka - 8900'

LOCATION: 1980' FEL & 660' FSL Sec. 27, T-15-S, R-27-E, Chaves Co., N.M.

CONTRACTOR: WEK Drilling Company

ELEVATION: 3472.2' GR, 3484' RKB

ESTIMATED FORMATION TOPS

T/San Andres	1600' (+1884)
T/Tubb	4400' (- 916)
T/Abo	5150' (-1666)
T/Hueco	6400' (-2916)
T/Cisco	7050' (-3566)
T/Strawn	8000' (-4516)
T/Atoka	8300' (-4816)
T/Mississippian Lime	8700' (-5216)

CASING PROGRAM

Hole Size	Casing Size	Wt. Per Foot	Setting Depth	Cement
17 1/2"	12 3/4"	34# Foster	320'	300 sx.-Circ.
11 1/4"	8 5/8"	24# J-55	1700'	200 sx.
7 7/8"	5 1/2"	15.5#, 17#&20# J-55 & N-80	8900'	250 sx.

MUD PROGRAM

0'-5200'	Clear water and native mud unless lost circulation is encountered on surface hole. If circulation is lost then dry drill to 320' and run surface casing. Then use clear water and native mud from 320' to 5200' or top of Abo.
5200'-8000'	Fresh water mud system. Mud wt. 8.5#-9.0#, Vis. 34-36, WL 100.
8000'-8900'	Chemical mud system. Mud wt. 9.0#-9.5#, Vis. 36-46, WL 10.

LOGGING PROGRAM

Run Schlumberger Simultaneous Gamma Ray-Caliper, Compensated Neutron Formation Density as porosity tool with Dual Laterolog as Resistivity tool. Detail from base of 8 5/8" thru San Andres, and from 7000' to total depth.

DRILLING PROGRAM

1. Drill 17 1/2" hole to 320' and set 12 3/4", 34#, Foster type, S.T. & C. surface casing. Cement with 150 sx. Class "C" w/2% CaCl₂, 1/4# Floseal & 5# gilsonite per sx., followed with 150 sx. Class "C" with 2% CaCl₂. Cement will be circulated.