WELL PROGNOSIS

OPERATOR: Read & Stevens, Inc.
WELL: #1 Blackmar State Com.
FIELD & DEPTH: Buffalo Valley Penn. - Atoka - 8900'
LOCATION: 990' FSL & 990' FWL Sec. 7, T-15-S, R-28-E, Chaves Co.,N.M.
CONTRACTOR: WEK Drilling Company, Rig #2
ELEVATION: 3584' GR, 3596' RKB

ESTIMATED FORMATION TOPS

T/San Andres	1680'	(+1916)
T/Tubb	4455'	(- 859)
A/Abo	5235'	(-1639)
T/Hueco	6375'	(-2779)
T/Cisco	7135'	(-3539)
C/Canyon	7535'	(-3939)
T/Strawn	8070'	(-4474)
T/Atoka	8420'	(-4824)
T/Mississippian Lime	8820'	(-5224)

CASING PROGRAM

Hole Size	Casing Size	Wt. Per Foot	Setting Depth	Cement
17 1/2"	12 3/4"	34# Foster	350'	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 350' and run surface casing. Then use clear water and native mud from 350' 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 Induction 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 350' and set 12 3/4", 34#, Foster Type, S.T. & C. surface casing. Cement with 150 sx. Class "C" w/2% $CaCl_2$, 1/4# Floseal & 5# gilsonite per sx., followed with 150 sx. Class "C" with 2% $CaCl_2$. Cement will be circulated.

2. Drill 11 1/4" hole from 350' to 1700', or to top of San Andres. Set 1700' of 8 5/8", 24#, J-55, S.T. & C. casing, cemented with 200 sx. Class "H" cement with 2% $CaCl_2$.