

# Saguaro State 28, Well #1

Eddy County, New Mexico  
Section 28, T18S, R28E

GL Elevation: 3542'  
Estimated RKB: 3557'

## Proposed Casing Design

(not to scale)

### 17 1/2" Open Hole ±450' MD/ TVD

Surface Casing: 13 3/8", 48#, H-40, STC @  
±450' MD/ TVD

Mud: Freshwater & gel

MWT @ TD: 8.4 ppg

Cement to Surface (hole volume): ±312 cu.ft

Type of Cmt - 14.8# Premium  
Plus "C"

### Target Sands

Top Mississippian: 10,500' TVD / 10,461' MD

20", J-55, 53#, Pre-drill  
conductor set @ ±40' MD/TV

Red-Mix Cement to surface

RECEIVED

MAR 21 2005

000-0015914

### 11" Open Hole @ ±3100' MD/ TVD

Intermediate Casing: 8 5/8", 32#, J-55, LTC @  
±3100' MD/ TVD

Mud: Natural Brine & gel

MWT @ TD: 10 ppg

Cement to Surface (hole volume): ±1274 cu.ft

Type of Cmt - 11.9#/gal - CLASS "C"

KOP: ±6,500' MD/TV

### 7 7/8" Open Hole TD @ 10,872' MD / 10,830' TVD

Production Casing: 5 1/2", 17#, P-110, LTC @ ±10,830' MD/TV

Mud: Freshwater / Brine & Gel to 9,500'

MWT to 9500': (8.8 ppg - 9.0 ppg)

Mud: Freshwater/ Brine/ Gel & Starch 9,500' to TD.

MWT 9500' - TD: (9.5 ppg to 10.2 ppg)

Top of Tail Cmt: ±9,300' MD/ TVD

Top of Lead Cmt: ±8,000' MD/TV

Cement (hole volume): 395 cu.ft.

Type of Cmt - 14.8# Premium Plus "C"

revision0jr.2/19/05