

Prognosis

ARCO Permian

Well Name

Sweet Thing State "36" # 2

Authorization Numbers

Date

11/16/99

District or Province

South East New Mexico Asset Area

Location

Section 36, T-20.5-S, R-21E

Eddy County, NM

Objectives

Cisco

Total Vertical Depth

6500'

Total Measured Depth

6500

Estimated Formation Tops

<u>Formation</u>	<u>Depth</u>	<u>Formation</u>	<u>Depth</u>	<u>Formation</u>	<u>Depth</u>
Abo	3500	Canyon	6600	Morrow	7675
Wolfcamp	4675	Strawn	6850	L. Morrow Pay	7950
Cisco	5625	Atoka	7400	Mississippian	8050

Conductor

Well Design

13 3/8" conductor if needed, cement with Redi-mix.

Surface Casing

8-5/8" 32# J-55 STC

0-1400'

Cement to surface.

Protective Casings and Liners

Production Casing

5-1/2" 17# J-55 LTC

0-6500'

Cement to 4500'.

Casing Head

9-3/8" SOW x 11" 3M WP flgd, 11" 3M x 7-1/16" 5M tubing head
2 3/8" 5M double master, single wing or dual tree

Mud Program

<u>Depth</u>	<u>Mud Type</u>	<u>Depth</u>	<u>Mud Type</u>
0-1400'	Air		
1400'-5200'	FW & gel sweeps, 8.4		
5200-6500'	FW, gel & starch, FL <15 cc		

Logging Program

OH: GR/CNL/FDC/DIL Dipmeter/FMI TD-1400', CH: GR/CCL