

**UNION TEXAS PETROLEUM
DRILLING PROGRAM
REVISED**

WELL: Shelby Federal #3

FIELD: McKittrick Hills

LOCATION: 1900' FSL & 2150' FWL, Sec. 12, T22S, R24E, Eddy Co., N.M.

BOTTOM HOLE LOCATION TOLERANCE: Maximum allowable angle 5°

PROPOSED TOTAL DEPTH: 7950' MD

ELEVATION: Surveyed ungraded G. L. 3859' KB 3875' (16' KB est'd.)

A. CASING PROGRAM:

<u>Type</u>	<u>Hole Size</u>	<u>Interval (MD)</u>	<u>Casing Size</u>	<u>Description</u>	<u>Strengths Burst/Collapse/Tension</u>	<u>Opt. Torque</u>
Surface	17-1/2"	0-400'	13-3/8	48# H-40 STC	1730/770/322K	3220 ft/#
Int.	12-1/4"	0-1620'	8-5/8	24# K-55 STC	2950/1370/263K	2630 ft/#
Prod	7-7/8"	0-7950'	4-1/2	11.6# K-55 LTC	5350/4960/180K	1800 ft/#

B. CEMENTING PROGRAM:

<u>Interval</u>	<u>Casing</u>	<u>Type</u>	<u>Additives</u>	<u>Wt (ppq)</u>	<u>Yield (ft³/sx)</u>	<u>Water (gal/sx)</u>	<u>Excess (%)</u>	<u>Qty</u>
0-400'	13-3/8"	"C"	2% CaCl ₂ 10 #/sx ² gilsonite	13.85	1.53	6.7	100	388
0-1300'	8-5/8"	"C"	Fly Ash	9.5	4.14	15.9	125	248
1300-1620'	8-5/8"	Tail "C"	Sheres, CaCl ₂ 2% CaCl ₂	14.05	1.50	7.60	125	208
Lead: 0-7450'	4-1/2"	"C"/Poz (85/15)	8% Gel .5% FL	12.4	2.19	12.4	35%	807
Tail: 7450-7950'	4-1/2"	"C"	Retard FL for <300 cc	14.8	1.32	6.3	35%	122

C. MUD PROGRAM:

<u>Interval (MD)</u>	<u>Weight</u>	<u>Vis</u>	<u>WL</u>	<u>Comments</u>
0-400'	8.4-8.5	28-30	NC	Fresh water spud mud.
400-1620'	8.4-8.5	28-30	NC	FW
1620-7400'	8.4-8.6	28-32	NC	FW. pH to 10.
7400-7800'	9.0-9.1	28-32	NC	Cut brine ±100,000 ppm.
7800-7950'	9.1-9.2	28-36	15-20	Salt water gel with Dispac. pH to 10.5.

D. BOP EQUIPMENT:

<u>Depth Interval (MD)</u>	<u>BOP Specifications</u>
400-1620'	2000 psi annular preventor.
1620'-7950'	Nipple up on 8-5/8" one 3000 psi blind ram, one pipe ram and one annular preventor.

NOTE: Test BOP's every 7 days. Work pipe rams once daily and blind rams on each trip to be sure they are working properly and record on IADC report. Annular