

Harvey E. Yates Co., Inc.
Fannie Lou Federal No. 1
Eddy County, New Mexico

Running 50,000# wt., 50 RPM, 1500# pump pressure,
68 SPM. Made 82' progress.

Ran 81 jts. 9 5/8" 36# K-55 (3216.62') Set @ 3207'
RTM. Cmt'd. w/975 sx. Hallite 1/4# flocele 5# gilsonite,
and 2% CaCl₂ 200 sx. Class C 2% CaCl₂ cmt. Plug down
@ 9:10 p.m. 9/3/75. Cmt. circ. 235 sx.

- 9-5-75 3227' coring. 34 visc., 8.4 mud wt., water loss 14,
filter cake - film. Bit #4 is 8 3/4" Reed F34 in @ 3207'
out @ 3227', made 20' in 1 1/2 hrs., Core head #1 is ACC
Had 6 3/4 hr. NU, 2 1/4 hr PU DC&P, 1 1/2 hr. testing
BOP w/2000#, 2 3/4 Hr. drilling plug and cmt. 1 1/2 hr.
drilling, 4 3/4 hr. circ. and mixing mud, 5 hr. tripping
PU core bbl. 1/2 hr. coring.
- 9-6-75 Coring @ 3284' in sand and shale. Visc. 35, mud wt. 8.5,
water loss 12, filter cake 1/32, Bit #5 is 7 13/16" ACC
in @ 3227' cut 57' in 22 1/2 hrs. 1 1/2 hr. washing to
btm. 22 1/2 hr. coring. 18,000# wt, 62 RPM, 900# pump
pressure, 52 SPM, 57' progress.
- 9-7-75 Trip for core #2 @ 3347'. First core 7 13/16" ACC in @
3227' out @ 3287', 60' in 22 1/2 hr. Core #2 7 13/16"
ACC in @ 3287' out @ 3347'. 60' in 18 1/4 hrs., Visc. 34,
mud wt. 8.7, water loss 8.8, filter cake 2/32, 3 1/2 hr. trip
for core, 1/4 hr. circ., 18 3/4 hr. coring. 1 1/2 hr.
trip for Core #2, 18,000#, 60 RPM, 600# pump pressure, 56 SPM.
63' progress.
- 9-8-75 Drilling 3715' in lime and sand. Drilling w/fresh water.
pH 10.5, Totco 1° @ 3604', Bit #6 is 8 3/4" S34 rerun in
@ 3347', made 368' in 11 3/4 hrs., 4 1/2 hr. LD core bbl.,
PU 6 DC's and trip in. 5 3/4 hr. reaming core from 3227'
to 3347'. 1 1/2 hr. drilling, 1 1/2 hr. Totco. Running 60,000#,
60 RPM, 1700# pump pressure, 58 SPM, made 368' progress.
- 9-9-75 4090' drilling, lime and sand, drilling w/fresh water. PH 9,
Totco @ 4047' is 1/2°. Bit #6 is 8 3/4" F34 in @ 3347'
out @ 3898', made 551' in 15 3/4 hrs. Bit #7 is 8 3/4" FP 63
in @ 3898', made 192' in 7 hrs. Running 45,000#, 48 RPM,
1600# pump pressure, 118 SPM. Had 4 1/4 hr. trip.,
11 hr. drilling, 1/2 hr. Totco, 8 1/4 hr. changing out pump
(triplex). Made 375' progress.