

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

10-29-75 12,810' Circ. to set cmt. plug. 1 1/2 hr. DST #8, 8 1/2 hr. trip out to lay down tool, 1 hr. hooking up to reverse out, 4 1/2 hr. trip in hole open ended to 10,750', 9 hr. circ. & mxg. mud.

10-30-75 Plugged back to 12,280'. Visc. 36, wt. 9, water loss 6.5, 1 hr. plugging hole from 12,550' to 12,750'
1st plug - 75 sx. Class H 1/4# flocele, 4/10 of 1% HR-4
2nd plug, 12,270' to 12,470' 75 sx. Class H. 8:00 a.m.
10-29-75 Completed. 12 hr. WOC & WOO. 3 hr. TIH and tag plug. @ 12,280', 8 hr. LD DP & DC's. RU to run 4 1/2" csg.

10-31-75 Plug back to 12,280'. 2 hr. LD DC's, 9 hr. run 4 1/2" csg. 3 hr. circ. 1 hr. cmtg. 9 hr. WOC. Ran 373 jts. 13.5# and 11.6# N-80 ST&C 4 1/2" csg. 11,927'. Set @ 11,924' RTM. Cmt'd. w/900 sx. Class H w/5% KCL and 3/4 of 1% CFR-2. Plug down @ 10:15 p.m. 10-30-75.

11-1-75 Rig released 11:00 a.m. 10-31-75. Run temp. survey.

11-2-75 to 11-6-75 WO completion unit.

11-7-75 to 11-10-75 WO completion unit.

11-11-75 RU. WO tbg. Too late to unload.
A.M. Unloaded tbg. & prep to run.

11-12-75 Unloaded & tallied 381 jts. of 11,890.13' of 2 3/8" OD N-80 tbg. Ran 350 jts. of tbg. in hole and SDON.

11-13-75 Finished running tbg. in hole. Tagged PBTC w/11,889'.
RU Western Co. Displaced hole w/3% KCL water. Spotted
X 300 gals. acetic acid from 1158' to 11,408'. POH.
Tested BOP to 2500 psig. RU Schlumberger. Ran GR-Collar log from PBD to 9800'. Ran gauge ring, 13.5# per ft.
X 4 1/2" csg. from surface to 1185'. SDON.

11-14-75 Perforated Morrow formation @ 11,473', 11,479' (4 shots)
11,531' 11,535' (4 shots), 11,543' - 11,547' (4 shots),
11,769' to 11,779' (4 shots), 11,841' to 11,849' (4 shots)
Total 20 shots, Ran Baker Packer and RBP. 300 jts. tbg. SDON.
A.M. Continued to run tbg. & pkr. Prep to acidize.

11-15-75 Released BP @ 11,868'. Sptd. 100 gal. acid @ 11,850',
across perfs. 11,841' - 849'. Set pkr. @ 11,812' fromation
broke @ 4000#. Treated 1/2 bbl./min ISDP 3600#, 5" SDP 2150#.
Released pressure and pkr. PU BP and released @ 11,810'.
Pumped 100 gal. acetic across perfs. 11,769' to 11,779'.
Set pkr. @ 11,688'. Treated formation @ 3/10 bbls/min. @ 4100
psig. Increased rate to 1/2 bbl/min. @ 4400 psig. ISDP
3800 5" SDP 2550. Released pressure & pkr. PU RBP and released