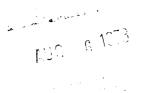
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF : TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF REPAIRING WELL FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT ALTERING CARING SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING ABANDONMENT* REPAIR WELL CHANGE PLANS (Other) (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sones pertinent to this work.)*

SEE ATTACHED SHEET



16.



18. I hereby certify that the foregoing is true and correct Original signed by T. A. Dugan SIGNEDThomas A. Dugan	TITLE	Engineer	DATE 8-2-73	_ _
(This space for Federal or State office use)				_
APPROVED BY	TITLE		DATE	

Jerome P. McHugh Bengal B #!

7-2-73

Drilled out cement plug to top of $5\frac{1}{2}$ " casing stub at 1222. Drilled on $5\frac{1}{2}$ " casing stub $1\frac{1}{2}$ hrs, got into casing stub, ran 4-3/4" bit to 1300, pulled 4-3/4" bit, picked up $5\frac{1}{2}$ " casing, milled and washed $5\frac{1}{2}$ " casing to 1225, approximately 3 over casing stub - very slow washing over. Cemented 31 Jts $5\frac{1}{2}$ " 0.D., 15.5#, J-55, 8R, ST&C casing at 125 with 75 sx Halliburton lite plus 50 sx Class "C", $7\frac{1}{2}$ # salt/sk (total slurry 210 cu ft). Good mud circulation while cementing. Max cementing pressure 200 psi, POB 2:45 p.m. 7-2-73.

7-10-73

PBTD 51201, finished cleaning out to 5120, pulled 2-7/8" tubing and Blue Jet ran gamma ray and collar log and perforated 1 Jet/ft by Blue Jet 4960-661, 4942-521, and 4840-501 (Schlumberger measurements).

7-11-73

Went in hole with Baker Model "R" packer with one joint 2-3/8" tubing below packer, no trouble getting thru casing patch, set packer at 4800', pressure tested above packer to 1200 psi - held OK, set tubing at 5080' with packer at 5050', spotted 500 gals 15% HCL acid with 10 bbis above packer and 2 bbis in tubing, set packer, broke down perf 5066-81' at 1700 psi, pumped in at 12 B/M at 1600 psi. Broke down perfs above packer at 1500 psi, pumped 9 B/M at 1000 psi, moved packer to 4923', pumped in at 1000 psi at 7 B/M - no definite break, set packer at 4766', Western Company fraced all Gallup perf down 2-7/8" tubing below Baker Model "R" packer at 4766' with 30,000# 10-20 sand, 800 bbis Mini-Max fluid using 1059 HP. IF 2950 psi, Max 2950 psi, Min 2300 psi, Ave 2700 psi, Final 2200 psi, 151 550 psi, 5-Min 51 500 psi, flushed with 34 bbis water, made I ball drop of 30 balls, one drop of 20 balls, and 3 drops of 10 balls each, no ball action, shut well in overnight.

7-14-73

Picked up 4-3/4" bit, cleaned out to PBTD 5120', pulled bit and picked up Baker Model "G" packer. Ran 163 Jts 2-3/8" 0.D., 4.7#, 8Rd, EUE tubing. T.E. 5045.!!' set at 5055' with packer at 4741'. Rig released 7-14-73.

