

**CATCLAW DRAW UNIT #5
"Test-Out-of-Hole" Procedure
SW NE Section 25-T21S-R25E
Eddy County, New Mexico**

Procedure

Part I.

- 1) MIRUSU, ND tree x NU BOP.
- 2) Circulate hole with water, well has tubing (2 7/8", 167 stands, approximately 10,350') in it.
- 3) POOH with tubing to 9200', break circulation, then pump a 260', 30 sx (neat) balanced cement plug.
- 4) Pull out of plug and pull up 10 stands and circulate. WOC 3 hours and tag plug.
- 5) POOH with tubing to 6800' and break circulation, then pump a 260', 30 sx (neat) balanced cement plug.
- 6) Pull out of plug and pull up 10 stands and circulate. WOC 3 hours and tag plug.
- 7) TOH with tubing, laying down all but 4500'.
- 8) RU Wireline and RIH with gauge ring to 4250'. Then RIH with 15' of 4" casing gun and correlate to the 8/31/72 Borehole Compensated Sonic Log (Schlumberger). Perforate 4200-4215' at 4 spf with either 90° or 120° phasing.
- 9) POOH and RD Wireline.
- 10) PU a 5 1/2" 17# treating packer and TIH to 4100', set packer and test annulus to 500 psi for 10 minutes.
- 11) Swab test zones for fluid entry.
- 12) Acidize perfs at 4200-4215' with 1500 gallons of 15% HCl acid and 90 ball sealers.
- 13) Swab/flow test to determine fluid production and oil/water cuts.