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PAUL E. CAMERON, JR., INC.

814 TWENTY SIXTEEN MAIN BUILDING
HOUSTON, TEXAS 77002

JUN 5 1972

REGISTERED PROFESSIONAL ENGINEER
TEXAS AND LOUISIANA

May 11, 1972

O. C. C.
ARTESIA, OFFICE

222-8404
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MICHAEL & CORINNE GRACE

Panagra #1
Eddy County, New Mexico

WORK REPORT

July 21, 1971 - Released Baker Lokset Packer @ 10,435', pulled out of hole. Rigged up Baker retrievable bridge plug, pushed down w/ Western Company wireline truck, set @ 10,135'. Found top of 5 1/2" casing 15' below top of blowout preventer. Strung up six lines on rig.

July 22, 1971 - Broke off tubing hanger spool and 12" X 10" spool down to braden head. Inspected packing and slips on 8 5/8" casing. Determined that the X bushing, secondary packoff, between 8 5/8" and 13 3/8" casing was not installed. The 8 5/8" casing hanger was cocked with one set of slips 1/2" below the others. Packing was severely burned. Welded slips to 8 5/8" casing, welded extension onto 8 5/8" casing, installed secondary packing and new Rector 12" 3000# X 10" 3000# spool. Tested packoff on 8 5/8" casing to 2000 psi, ok. Ran 5 1/2" 20# releasing spear, caught 5 1/2" casing, picked same up to well head w/ 218,000# pull. Installed slips, landed casing w/208,000# weight on slips. Installed new Rector tubing hanger spool, 10" 3000 psi X 6" 5000 psi. Secondary packing on 5 1/2" casing would not test. Installed blowout preventers, shut down for night.

July 23, 1971 - Broke off blowout preventers and 10" X 6" tubing spool, welded extension, 3", onto 5 1/2" casing. Reinstalled tubing spool. Tested secondary packing to 2500 psi, ok. Installed blowout preventers, closed blind rams and filled hole w/ mud. Dowell pressure tested 5 1/2" casing, surface to 10,135' w/4400 psi 30 minutes, ok. Tied pump into 8 5/8" annulus outside 5 1/2" casing. Hole was full. Pumped in 4 barrels per minute @ 450 psi, no communication to 13 3/8" surface pipe. Strung back to four lines, WIH w/ retrieving tool, latched Baker retrievable bridge plug @ 10,135'. POOH, layed down plug.