



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
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Artesia, New Mexico 88210  
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7/23/99

BLM  
P.O. BOX 1778  
CARLSBAD, NM 88220

RE: PLEMONS OPERATED  
FRIESS FEDERAL NO. 5  
UNIT ( C ), SEC. 30, T-17-S, R-31-E  
EDDY CO. N.M.

ATTN: JIM AMOS

Dear Jim:

Attached is a daily summary of well work performed on the above subject well. This work was done by and under the supervision of the OCD Artesia, N.M. office.

Please place in the BLM well file for future reference.

TIM W. GUM

A handwritten signature in cursive script, appearing to read "Tim W. Gum".

DISTRICT II SUPERVISOR  
OIL CONSERVATION DIVISION

XC: OCD ARTESIA OFFICE WELL FILE  
OCD SANTA FE OFFICE WELL FILE

**The following represents daily work down on the Friess Federal #5.**

- 7/06/99      Moved in & rigged up Key Well Service Unit. Pressure tested tubing. Pulled out of hole & laid down rods and pump. Come out of hole with 2 3/8" tubing. There was no sign of fluid or corrosion on the outside of the tubing. Moved in and rigged up Halliburton. Ran in hole with E-Z drill bridge plug & set @ 1875', which was above perforations. There was no indication of water flow stopping or decreasing. Pulled up above bridge plug & pressure tested 5 1/2" casing, blowout preventor, & bridge plug to 300 lbs for 15 minutes. Pulled out of hole with setting tool & tubing. Loaded 5 1/2" casing with brine water. Shut well in overnight.
- 7/07/99      Opened well up with fluid at surface. Moved in & rigged up Halliburton Wire Line Services & ran temperature log and found water entry @ 570'. Ran cement bond log & found top of cement @ 800'. Rigged down loggers and ran in hole with 5 1/2" perforating gun to 715'. 5 1/2" casing was perforated with 4 shots (1 shot per foot). Rigged wire line service company down & ran in hole with 5 1/2" tension packer and set tool @ 435'. Able to establish circulation to surface between the 5 1/2" x 8 5/8" casing. The rate was @ 4 barrels/min at 700 psi. Started pumping cement & pumped 500 sacks of Class "H" cement at 16.5 lbs/gal. We were successful in stopping water entry and well was shut in overnight.
- 7/08/99      Checked well & wellhead and there was no fluid entry. Moved in & rigged up Keltic Slick Line Services. Ran temperature survey and found top of cement @ 400'. Rigged down Keltic Services & moved in & rigged up hot oiler in order to pressure test 5 1/2" casing. Pressure tested casing to 300 lbs for 15 minutes. Held Okay. Rigged down hot oiler and released packer. Pulled out of hole with tools and ran in hole with tubing and tagged top of cement inside 5 1/2" casing @ 604'. Well was then shut in over night.
- 7/09/99      Opened well & pulled out of hole with tubing. Moved in & rigged up Computerlog Wire Line Services. Ran in hole with 5 1/2" perforating gun & perforated 5 1/2" casing @ 375' with 4 shots (1 shot per foot). Rigged down wire line truck & ran in hole with 5 1/2" tension packer. Set tool @ 200' from surface. Moved in & rigged up Halliburton Cement Service Company. Established an injection rate into perforations @ 2 barrels/minute at 70 psi. Pumped 4 barrels and established circulation to surface between 5 1/2" x 8 5/8" casing. Pumped 140 sacks of class "C" Neat cement with 2% CaCl and circulated 50 sacks to surface & into pits. Well was then shut in over night with 140 lbs psi.
- 7/10/99      Opened well up and released packer. Pulled out of hole with packer. Ran in hole with tubing and tagged top of cement at 338'. Pulled out of hole and laid down tubing. Tallied 67 joints and 1 mud anchor. Shut well in with one joint of tubing. Installed well head and pack off. Rigged down pulling unit.
- 7/12/99      Checked location and condition of well. Hughes Services move 80 5/8" rods, subs & pump and 67 joints of 2 3/8" tubing to warehouse yard in Loco Hills for safe keeping.