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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

JAN 2 1974

O. C. C.

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>

5. State Oil & Gas Lease No.
05229

SUNDRY NOTICES AND REPORTS ON WELLS ARTESIA, OFFICE

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name Forty Niner Ridge Unit
2. Name of Operator Skelly Oil Company	8. Farm or Lease Name Forty Niner Ridge Unit
3. Address of Operator P. O. Box 1351, Midland, Texas 79701	9. Well No. 1
4. Location of Well UNIT LETTER J 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 23S RANGE 30E NMPM.	10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 3170.6' GR	12. County Eddy

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☒ **Perforate, treat & test Morrow**

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1) Drilled cement out of 9-5/8" OD casing and 7-3/4" OD liner 9800-14,475'. Tested to 3000# for 45 minutes with no pressure loss.
- 2) Ran Gamma Ray-Neutron Correlation and Cement Bond Logs 11,100-14,475'.
- 3) Set cement retainer at 14,465'. Attempted to pump into formation below retainer at 4000#, would not take fluid.
- 4) Perforated 7-3/4" OD liner with four .42" shots per foot 14,383-14,392'. Weak blow for 5 minutes, no gas to surface, well died, 700' of water in hole in 1-1/2 hours.
- 5) Set cast iron bridge plug in 7-3/4" liner at 14,335' and capped with cement to 14,325'.
- 6) Ran 2-7/8" tubing with Vann Tool Company perforating gun. Baker on-off tool with plug receptacle set 14,097', blanking plug 14,097', Baker Lok-Set packer 14,101', perforating gun 14,149-14,172' and 14,178-14,187'.
- 7) Retrieved blanking plug at 14,097' and perforated 7-3/4" OD liner with four .42" shots per foot 14,149-14,172' and 14,178-14,187'. Total 32', 128 shots.
- 8) Treated Morrow perforations 14,149-14,187' with 3000 gallons of 7-1/2% retarded mud acid, flushed with 2226 gallons of KCL water. All fluids contained 1000 SCF of nitrogen per barrel.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED D. R. Crow D. R. Crow TITLE Lead Clerk DATE 12/31/73

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JAN 2 1974

CONDITIONS OF APPROVAL, IF ANY:

- 9) Ran blanking plug, set in receptacle at 14,097'. Released on-off tool and pulled tubing and top part of on-off tool. Left perforating guns in the hole.
- 10) Ran 2-7/8" tubing with Vann Tool Company perforating guns. Set Baker Lok-Set packer at 13,991', perforating guns set 14,012-14,022', 14,029-14,040', and 14,059-14,061'. Dropped detonating bar to perforate. Guns failed to fire.
- 11) Released packer at 13,991' and pulled tubing, packer and perforating guns 14,012-14,061'.
- 12) Ran tubing with Baker Lok-Set packer and upper half of on-off tool. Latched onto lower half of on-off tool at 14,097'. Lowered Baker Lok-Set packer set at 14,101' to 14,206'. Top of perforating guns left in the hole at 14,254' and bottom of guns at 14,292'.
- 13) Displaced hole with water treated with corrosion inhibitors.
- 14) Pulled tubing and on-off tool.
- 15) Ran 421 joints (13,709') of 2-7/8" OD EUE N-80 tubing with 7-3/4" Baker Lok-Set packer set at 13,739', on-off tool with 2-1/4" ID profile set at 13,735'.
- 16) Perforated 7-3/4" OD liner with two .24" shots per foot 13,914-13,942', 14,012-14,022', 14,029-14,040', and 14,059-14,061'. Total of 102 shots.
- 17) Flowed 13 hours on open choke, 55 barrels load water and 315 MCFGPD.
- 18) Treated Morrow perforations 13,914-14,187' with 6000 gallons of 7-1/2% MS acid, 1000 gallons of gelled brine water, 550# benzoic acid flakes, 130 ball sealers, in 6 stages. All fluid contained 1000 SCF of nitrogen per barrel. Flushed with 63 barrels of water treated with corrosion inhibitors.
- 19) Flowed 88 hours, 1" choke, recovered 265 barrels of load and treating water, gas at rate of 1400-1904 MCFPD. FTP 175-460#.
- 20) Shut in 192 hours to pressure up. SITP 4950#.
- 21) Flowed 4 point potential test 12-19-73. Flowed 1 hour, 9/64" choke, 1969 MCFPD, FTP 3712-3685#, 1 hour, 12/64" choke, 2681 MCFGPD, FTP 3685-2915#, 1 hour 15/64" choke, 3078 MCFGPD, FTP 2915-2210#, 1 hour, 18/64" choke, 3020 MCFGPD, FTP 2210-1603#.

