

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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O. C. D.
ARTESIA, OFFICE

Form C-103
Revised 10-1-77

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| SANTA FE | <input checked="" type="checkbox"/> |
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| OPERATOR | <input checked="" type="checkbox"/> |

3a. Indicate Type of Lease
State ☒ Fee ☐

3. State Ct. & Gas Lease No.
647-368

SUNDRY NOTICES AND REPORTS ON WELLS

(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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | 7. Unit Agreement Name |
| 2. Name of Operator Amoco Production Company <input checked="" type="checkbox"/> | 8. Name of Lease Name Empire South Deep Ut. |
| 3. Address of Operator P. O. Box 68, Hobbs, New Mexico 88240 | 9. Well No. 19 |
| 4. Location of Well UNIT LETTER <u>H</u> <u>2280</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>36</u> TOWNSHIP <u>17-S</u> RANGE <u>28-E</u> NMPM. | 10. Field and Pool, or Wildcat Empire South Wolfcamp |
| 15. Elevation (Show whether DF, RT, GR, etc.) 3692.9' RDB | 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 <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input checked="" type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | OTHER <input type="checkbox"/> | CASING TEST AND CEMENT JOBS <input type="checkbox"/> | |

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 1105.

Moved in service unit and pulled out rods, pump, tubing and tubing anchor. Ran cement retainer and set at 7600'. Squeezed perf 7730'-40' in 2 stages. First stage with 200 sx class H and second stage with 100 sx class H. Reversed out 28 sx. WOC. Drilled out cement 7640'-7750' and pressure tested squeeze with 1000psi. Held OK. Circulated hole clean. Perforated Wolfcamp intervals 8588'-96' and 8626'-50' with 2 SPF. Ran 1 jt. tailpipe, packer and tubing. Tubing landed at 8535' and packer set at 8504'. Swabbed dry and acidized with 2500 gal 15% HCL acid with additives and 100 ball sealers. Flushed to bottom perfs with 36 bbl brine water. Opened well and flowed 5 BLW then died. Swabbed 13-1/2 hrs. and recovered 10 BO and 97 BLW. Released packer and POH. Ran 3-1/8" casing gun and perforated 7984'-8000' with 2 SPF. Ran 5-1/2" RBP with 1 jt. tailpipe, packer and tubing. RBP set at 8198' and packer set at 7854'. Swabbed 8 hrs and recovered 34 BLW and 116 bbl new water. POH and RIH with packer and 2-3/8" tubing. Set packer at 7854'. Dumped 7 sx of sand down tubing. Ran cement retainer and set at 7854'. Squeezed with 200 sx class H neat cement. Reversed out 130 sx. WOC. Ran 4-3/4" bit and drilled out cement and retainer. Pressure tested perfs 1000 psi. Held OK. Clean out sand and released RBP. Pulled up and set RBP at 7866'. Perforated 7720'-50' with 2 JSPF. Ran retrieving tool, packer and tubing. Tailpipe landed at 7675' and packer set at 7409'. Made 5 swab runs and recovered 28 BLW. Ran base temp. survey. Spotted 200 gals acid at 7752'. Acidized 0+5-NMOCD, 1-HOU, R. E. Ogden, Rm 21.150 1-F. J.Nash, HOU Rm 4.206 1-CMH

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

SIGNED Charles M. Herring TITLE Administrative Analyst DATE 11-2-83

APPROVED BY Mike W. [Signature] TITLE OIL AND GAS INSPECTOR DATE NOV 0 8 1983

CONDITIONS OF APPROVAL, IF ANY:

with 3000 gals acid tagged with RA material. Swabbed 7-1/2 hrs and recovered 110 BLW and 20 bbls new water. Ran seating nipple, tubing anchor and tubing. Anchor set at 7682'. Ran rods and pump. Pump tested 10 days and recovered 0 BO. Moved in service unit 8-31-83 and spotted 5' of sand on RBP at 7866'. Ran 5-1/2" cement retainer and set at 7614'. Squeezed perfs with 100 sx class H cement. Reversed out 67 sx. Ran bit and drilled out cement ^{and} retainer. Pressure tested squeeze with 1000 psi. Held OK. Circulated sand off RBP and pulled RBP out of hole. Ran seating nipple, tubing anchor and tubing. Seating nipple landed at 8676' and anchor at 8555'. Installed pumping equipment and MOSU 9-5-83. Pump tested 14 days on time clock. Returned well to production 10-20-83.