

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ARTESIA, NM 88010

Budget Bureau No. 1004-0135
Expires August 31, 1985

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—" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

4001 Penbrook St., Odessa, Texas 79762

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

Unit A, 660'FNL & 660' FEL

14. PERMIT NO.

API No. 30-015-20377

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3602' GR

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Convert to Water Injection

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Recommended procedure to convert well to water injection:

1. MI & RU DDU.
2. COOH with rods and pump. Install BOP. COOH with tubing. GIH with 3-7/8" bit and casing scraper on 2-3/8" work string. Clean out to 3,390' COOH with tubing, scraper and bit.
3. GIH with 4-1/2" RTTS-type packer on tubing. Set packer at $\pm 2290'$. Pressure annulus to 500 psi for 15 minutes to verify casing integrity. If casing does not hold pressure, reset packer up hole and re-test annulus. Should casing fail to hold pressure, casing inspection log will be run.

See attached pages for additional procedure

18. I hereby certify that the foregoing is true and correct

SIGNED

W. J. Mueller

TITLE

Engr. Supv., Resv.

DATE

8-25-86

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

9-4-86

Subject to
Like Approval
by State

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONVERSION PROCEDURE

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4. Release packer. GIH to 3,390' and load hole with 2% KCl water (38 bbls). Spot 18 bbls of 10% acetic acid from 3,390' to 2,300'. COOH with tubing and packer.
5. MI _____ wireline company. Phillips supervisor will hold safety meeting with wireline company personnel. Run Gamma Ray/Collar Locator log from 3,390' to 2,290'. RU to perforate using 3-3/8" OD casing gun loaded with deep penetrating DML charges, 2 shots/ft, spiral shot phasing. Perforate as follows top to bottom:

2,338' - 2,340'	2 feet	4 shots
2,352' - 2,356'	4 feet	8 shots
2,362' - 2,368'	6 feet	12 shots
2,387' - 2,389'	2 feet	4 shots
2,423' - 2,425'	2 feet	4 shots
2,524' - 2,526'	2 feet	4 shots
2,570' - 2,578'	8 feet	16 shots
2,642' - 2,646'	4 feet	8 shots
2,680' - 2,688'	8 feet	16 shots
2,722' - 2,724'	2 feet	4 shots
3,338' - 3,340'	2 feet	4 shots
3,358' - 3,364'	6 feet	12 shots
TOTAL	48 feet	96 shots

Note: Casing collars are located at 2,307', 2,347', 2,388', 2,428', 2,469', 2,509', 2,550', 2,590', 2,631', 2,671', 2,711', 2,752', 2,792', 2,833', 2,873', 2,914', 2,954', 2,995', 3,035', 3,075', 3,116', 3,156', 3,197', 3,237', 3,277', and 3,318' from Dresser Atlas Perforating Formation Collar Chart run 2/13/71.

6. GIH with 4-1/2" packer-type RBP and RTTS-type packer on 2-3/8" work string. Set RBP at +3,380'. Set packer at +2,320'. RU and swab well to clean up perforations.
7. Unseat packer and GIH. Set packer at +2,610'.

8. MI _____ treating company. Phillips supervisor will hold safety meeting with treating company personnel. RU to acidize the San Andres interval with 6,600 gallons of 15% NEFE HCl. Load annulus with 2% KCl water and monitor level in annulus during treatment. Pressure test all lines to 5,000 psi before starting treatment. Keep treating pressure as low as possible, maximum treating pressure 5,000 psi. Treat at 4-5 BPM as follows:

- a. Open circulating valve and displace tubing with 400 gallons of acid. Close circulating valve.
- b. Pump 6,200 gallons of acid containing one (1) 1.1 s.g. ball sealer in each 50 gallons acid (124 balls total).
- c. Flush with 23 bbls of 2% KCl water.

Note: 15% acid must contain clay stabilizer.

9. Flow and swab back acid and load water (total volume is 180 bbls).
10. Release packer. GIH and release RBP. Set RBP at +2,615'. Set packer at +2,605' and test RBP to 1,000 psi. Release packer.
11. Set packer at +2,290'. RU and swab well to lower fluid level in tubing.
12. RU _____ treating company to acidize Grayburg perforations with 3,600 gallons of 7-1/2% NEFE HCl. Load annulus with produced water and hold 500 psi on annulus while treating. Pressure test all lines to 5,000 psi before starting treatment. Keep treating pressure as low as possible, maximum treating pressure 5,000 psi. Treat at 4-5 BPM as follows:
- a. Open circulating valve and displace tubing with 350 gallons of acid. Close circulating valve.
 - b. Pump 3,250 gallons of acid containing one (1) 1.1 s.g. ball sealer in each 50 gallons acid (65 balls total).
 - c. Flush with 14 bbls of 2% KCl water.

Note: 7-1/2% acid must contain clay stabilizer and fines suspension agent.

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13. Flow and swab back acid and load water (total load volume 100 bbls).
14. Unseat packer, GIH and release RBP. COOH with tubing, packer, and bridge plug.
15. Notify N.M.O.C.D. (Mike Williams, (505) 748-1283, Artesia, New Mexico) 24 hours prior to performing this step. GIH with 4-1/2" Baker Model AD-1 (or equivalent) plastic coated injection packer on plastic coated 2-3/8", 4.7#/ft, J-55 8rd EUE tubing. Displace tubing-casing annulus with 2% KCl water containing 1% by volume of Techni-hib 370 (packer fluid). Set packer at +2,290' in 10,000 lbs tension. Pressure test casing to 500 psi for 15 minutes; use two-pen recorder to record tubing and casing pressure during test.

Note: Packer should have shear ring installed to allow the packer to be released by shearing with +25,000 lbs tension.

16. Remove BOP, install wellhead injection assembly, and place well on injection. Do not exceed 465 psi surface injection pressure.