

SUNDRY NOTICE 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.)

W. INDIAN, ALLOTTEE OR TRIBE NAME

C/SF

UNIT ASSIGNMENT NAME

FARM OR LEASE NAME

Keely C Federal

WELL NO.

21

FIELD AND POOL, OR WILDCAT

Gb-J-SR-Q-Gb-SA

SEC. T. R. N. OR B.L.N. AND SURVEY OR AREA

26, 17-S, 29-E

COUNTY OR PARISH

Eddy

STATE

NM

OIL WELL ☒ GAS WELL ☐ OTHER ☐

NAME OF OPERATOR

Phillips Petroleum Company

ADDRESS OF OPERATOR

4001 Penbrook St., Odessa, Texas 79762

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

Unit M, 660' FSL & 660' FWL

PERMIT NO.

API No. 30-015-03113

ELEVATIONS (Show whether at ST. OR WEL)

3568' GR

RECEIVED BY

SEP - 5 1986

O. C. D.

ARTESIA, OFFICE

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 Injector

PULL OR ALTER CASING

MULTIPLE COMPLETS

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

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

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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 6-1/4" bit and casing scraper on 2-3/8" work string. Drill out cement and CIBP, clean out as required to original TD of 2836'.

COOH with tubing, scraper and bit.

3. GIH with 7" RTTS-type packer on 2-3/8" work string. Set packer at ±2335' Pressure annulus to 500 psi for 15 minutes to verify casing integrity. If casing does not hold pressure, reset packer up hole and retest annulus. Should casing fail to hold pressure, casing inspection log will be run.

See attached pages for additional procedure

I hereby certify that the foregoing is true and correct

SIGNED

W. J. Mueller

TITLE

Engr. Supv., Resv.

DATE August 27, 1986

(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.

2,350' - 2,356'	6 feet	12 shots
2,418' - 2,420'	2 feet	4 shots
2,463' - 2,465'	2 feet	4 shots
2,540' - 2,544'	4 feet	8 shots
2,575' - 2,577'	2 feet	4 shots
2,635' - 2,639'	4 feet	4 shots
2,658' - 2,660'	2 feet	4 shots
2,704' - 2,710'	6 feet	12 shots
2,743' - 2,745'	2 feet	4 shots
2,772' - 2,774'	2 feet	4 shots
2,826' - 2,828'	2 feet	4 shots
TOTAL	34 feet	68 shots

Note: 7" casing collars are located at 2,323', 2,349', 2,379', 2,409', 2,437', 2,467', 2,495', 2,525', 2,555',

8. MI _____ treating company. Phillips supervisor will hold safety meeting with treating company personnel. RU to acidize the San Andres interval with 4,000 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 3,600 gallons of acid containing one (1) 1.1 s.g. ball sealer in each 50 gallons acid (97 balls total).
 - c. Flush with 24 bbls of 2% KCl water.
- Note: 15% acid must contain clay stabilizer.
9. Flow and swab back acid and load water (total volume is 119 bbls).
10. COOH with tubing and packer.
11. GIH with 7" packer-type RBP and 7" RTTS-type packer on tubing. Set RBP at $\pm 2,690'$. Set packer at $\pm 2,680'$ and test RBP to 1,000 psi. Release packer.
12. Set packer at $\pm 2,310'$. RU and swab well to lower fluid level in tubing.
13. RU _____ treating company to acidize Grayburg perforations with 5,200 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 4,850 gallons of acid containing one (1) 1.1 s.g. ball sealer in each 50 gallons acid (97 balls total).
 - c. Flush with 24 bbls of 2% KCl water.

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

14. Flow and swab back acid and load water (total load volume 148 bbls).
15. Unseat packer, GIH and release RBP. COOH with tubing, packer, and bridge plug.
16. Notify N.M.O.C.D. (Mike Williams, (505) 748-1283, Artesia, New Mexico) 24 hours prior to performing this step. GIH with 7" 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 +2,335' 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.

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