

November 1983)
Formerly 9-331)

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug wells in a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

LC-028784-b

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

C/SF

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Keely B Federal

9. WELL NO.

24

10. FIELD AND POOL, OR WILDCAT

Gb-J-SR-Q-Gb-SA

11. S. C. T. R. M. OR B.L. AND SURVEY OR AREA

17-S, 29-E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

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 State requirements. See also space 17 below.)
At surface

Unit M, 660' FSL, 560' FWL

14. PERMIT NO.

API No. 30-015-03068

15. ELEVATIONS (Show whether SP, ST, OR, etc.)

3589' GR

RECEIVED BY

SEP - 5 1986

O. C. D.

ARTESIA, OFFICE

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 Injector

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDISING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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 8-3/4" bit and casing scraper on 2-3/8" work string. Clean out as required to PBTD of 3550'. COOH with tubing, casing scraper and bit.
3. GIH with 9-5/8" RTTS-type packer on 2-3/8" work string. Set packer at 2270'. 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, run casing inspection log.

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 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

19 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

Keely "B" Federal No. 24

June 30, 1986

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4. Release packer. GIH to 3,550' and load hole with 2% KCl water (275 bbls). 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 PBTD 3,550' to 2,200'. RU to perforate 9-5/8" casing using 4" OD casing gun loaded with deep penetrating DML charges, 2 shots/ft, spiral shot phasing. Perforate as follows top to bottom:

2,310' - 2,312'	2 feet	4 shots
2,316' - 2,320'	4 feet	8 shots
2,367' - 2,369'	2 feet	4 shots
2,415' - 2,419'	4 feet	8 shots
2,516' - 2,518'	2 feet	4 shots
2,572' - 2,574'	2 feet	4 shots
2,576' - 2,580'	4 feet	8 shots
2,601' - 2,603'	2 feet	4 shots
2,649' - 2,651'	2 feet	4 shots
2,670' - 2,672'	2 feet	4 shots
2,694' - 2,700'	6 feet	12 shots
2,735' - 2,737'	2 feet	4 shots
2,815' - 2,817'	2 feet	4 shots
2,830' - 2,832'	2 feet	4 shots
2,862' - 2,864'	2 feet	4 shots
2,906' - 2,910'	4 feet	8 shots
3,310' - 3,312'	2 feet	4 shots
3,333' - 3,335'	2 feet	4 shots
3,346' - 3,348'	2 feet	4 shots
TOTAL	50 feet	100 shots

Note: Casing collars are located at 2,281', 2,313', 2,343', 2,376', 2,409', 2,443', 2,476', 2,510', 2,543', 2,577', 2,610', 2,643', 2,676', 2,710', 2,743', 2,808', 2,841', 2,875', 2,908', 2,941', 2,974', 3,007', 3,040', 3,074', 3,107', 3,139', 3,172', 3,205', 3,238', 3,272', 3,305', 3,336', 3,367', and 3,401' from Dresser Atlas BHC Acoustilog run 3/2/72.

6. GIH with 9-5/8" RTTS-type packer on 2-3/8" work string. Set packer at +2,295'. RU and swab well to clean up perforations.
7. Unseat packer and GIH. Set packer at +2,590'.

8. MI _____ treating company. Phillips supervisor will hold safety meeting with treating company personnel. RU to acidize the San Andres interval with 7,000 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:
- Open circulating valve and displace tubing with 400 gallons of acid. Close circulating valve.
 - Pump 1,300 gallons acid.
 - Pump 250 gallons 10 ppg brine containing 1.5 lb/gal graded rock salt.
 - Pump 1,325 gallons acid.
 - Repeat steps (c) through (d) three times.
 - Flush with 85 bbls of 2% KCl water.
- Note: 15% acid must contain clay stabilizer.
9. Flow and swab back acid and load water (total volume is 276 bbls).
10. COOH with tubing and packer.
11. GIH with packer-type RBP and RTTS-type packer on tubing. Set RBP at +2,595'. Set packer at +2,585' and test RBP to 1,000 psi. Release packer.
12. Set packer at +2,295'. RU and swab well to lower fluid level in tubing.
13. RU _____ treating company to acidize Grayburg perforations with 3,300 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:
- Open circulating valve and displace tubing with 300 gallons of acid. Close circulating valve.
 - Pump 3,000 gallons of acid containing one (1) 1.1 s.g. ball sealer in each 50 gallons acid (60 balls total).
 - Flush with 31 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 110 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 9-5/8" 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 +2,270' 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 460 psi surface injection pressure.

