

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on re-
verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

LC-028784-c

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

C/SF

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Keely C Federal

9. WELL NO.

23

10. FIELD AND POOL, OR WILDCAT

Gb-J-SR-Q-Gb-SA

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

25, 17-S, 29-E

12. COUNTY OR PARISH 13. STATE

Eddy

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 any State requirements.)

See also space 17 below.)
At surface

Unit M, 660' FSL & 660' FWL

14. PERMIT NO.

API No. 30-015-03098

15. ELEVATIONS (Show whether on ST, GR, etc.)

3579' GR

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 PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(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 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 3227'.

3. COOH with tubing, scraper and bit.

4. GIH with 7" RTTS-type packer on 2-3/8" work string. Set packer at $\pm 2485'$. 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.

5. Release packer, GIH and set packer at $\pm 3015'$.

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

CONVERSION PROCEDURE

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6. MI _____ treating company. Phillips supervisor will hold safety meeting with treating company personnel. RU to acidize the San Andres open hole interval with 2,500 gallons of 15% NEFE HCl containing clay stabilizer. Load annulus with produced 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 450 gallons of acid. Close circulating valve.
 - Pump 1,050 gallons acid.
 - Pump 250 gallons 10 ppg brine containing 1.5 lb/gal graded rock salt.
 - Pump 1,000 gallons acid.
 - Flush with 25 bbls of 2% KCl water.
7. Flow and swab back acid and load water (total volume is 90 bbls).
8. COOH with tubing and packer.
9. GIH with packer-type RBP and RTTS-type packer on tubing. Set RBP at +2,995'. Set packer at +3,005' and test RBP to 1,000 psi. Release packer.
10. Spot 20 bbls of 10% acetic acid from 3,000' to 2,500'. COOH with tubing and packer.
11. MI _____ wireline company. Phillips supervisor will hold safety meeting with wireline company personnel. Run Gamma Ray/Collar Locator log from TD 3,227' to 2,250'. RU to perforate 7" casing using 4" OD casing gun loaded with deep penetrating DML charges, 2 shots/ft, spiral shot phasing. Perforate as follows top to bottom:
- | | | |
|-----------------|---------|----------|
| 2,513' - 2,515' | 2 feet | 4 shots |
| 2,575' - 2,577' | 2 feet | 4 shots |
| 2,704' - 2,706' | 2 feet | 4 shots |
| 2,736' - 2,738' | 2 feet | 4 shots |
| 2,798' - 2,802' | 4 feet | 8 shots |
| 2,830' - 2,832' | 2 feet | 4 shots |
| 2,848' - 2,850' | 2 feet | 4 shots |
| 2,932' - 2,934' | 2 feet | 4 shots |
| 2,944' - 2,946' | 2 feet | 4 shots |
| 2,956' - 2,958' | 2 feet | 4 shots |
| 2,979' - 2,981' | 2 feet | 4 shots |
| TOTAL | 24 feet | 48 shots |
- Note: Casing collars are located at 2,500', 2,529', 2,562', 2,591', 2,621', 2,649', 2,682', 2,715', 2,747', 2,779', 2,810', 2,841', 2,871', 2,902', 2,932', and 2,824' from Dresser Atlas PFC Log run 10/18/54.

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12. GIH with 7" RTTS-type packer on 2-3/8" work string. Set packer at +2,485'. RU and swab well to clean up perforations.
13. RU _____ treating company to acidize Grayburg perforations with 4,600 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 400 gallons of acid. Close circulating valve.
 - b. Pump 4,200 gallons of acid containing one (1) 1.1 s.g. ball sealer in each 50 gallons acid (84 balls total).
 - c. Flush with 30 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 140 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 +2,485' in 10,000 lbs tension. Pressure test casing to 500 psi for 15 minutes; use two-pen chart 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 500 psi surface injection pressure.