

BUREAU

LAND MANAGEMENT

NEW OIL CONS. COMMISSION

LC-028784-c

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to change the character of a well. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED BY

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

C/SF

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Keely C Federal

9. WELL NO.

18

10. FIELD AND POOL, OR WILDCAT

Gb-J-SR-Q-Gb-SA

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

25-17-S, 29-E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. PERMIT NO.

API No. 30-015- 03095

15. ELEVATIONS (Show whether OF, TO, OR, etc.)

NR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETION

☐

SHOOT OR ACIDISE

☐

ABANDON*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other) Convert to Water Injector

☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDISING

☐

ABANDONMENT*

☐

(Other)

(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 3218'.
3. COOH with tubing, scraper and bit.
4. GIH with 7" RTTS-type packer on 2-3/8" work string. Set packer at $\pm 2460'$. 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 $\pm 2850'$.

See attached pages for additional procedure

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

SIGNED

W. J. Mueller

W. J. Mueller

TITLE

Engr. Supv., Resv.

DATE

August 27, 1986

(This space for Federal or State office use)

Original: Charles S. [illegible]

APPROVED BY

TITLE

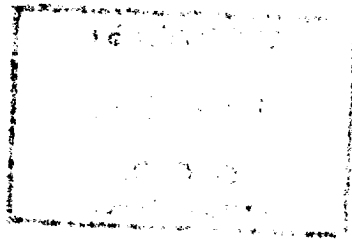
DATE

9-4-86

CONDITIONS OF APPROVAL, IF ANY:

Subject to
Like Approval
by State

*See Instructions on Reverse Side



6. MI _____ treating company. Phillips supervisor will hold safety meeting with treating company personnel. RU to acidize the San Andres open hole interval with 4,000 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 1,250 gallons acid.
 - Pump 250 gallons 10 ppg brine containing 1.5 lb/gal graded rock salt.
 - Pump 1,150 gallons acid.
 - Repeat steps (c) through (d) one time.
 - Flush with 35 bbls of 2% KCl water.
7. Flow and swab back acid and load water (total volume is 142 bbls).
8. COOH with tubing and packer.
9. GIH with packer-type RBP and RTTS-type packer on tubing. Set RBP at +2,880'. Set packer at +2,870' and test RBP to 1,000 psi. Release packer.
10. Spot 15 bbls of 10% acetic acid from 2,870' 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 3,200' to 2,200'. 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:
- | | | |
|-----------------|---------|----------|
| 2,505' - 2,509' | 4 feet | 8 shots |
| 2,515' - 2,517' | 2 feet | 4 shots |
| 2,529' - 2,531' | 2 feet | 4 shots |
| 2,542' - 2,546' | 4 feet | 8 shots |
| 2,620' - 2,624' | 4 feet | 8 shots |
| 2,656' - 2,660' | 4 feet | 8 shots |
| 2,663' - 2,665' | 2 feet | 4 shots |
| 2,698' - 2,702' | 4 feet | 8 shots |
| 2,731' - 2,733' | 2 feet | 4 shots |
| 2,790' - 2,794' | 4 feet | 8 shots |
| 2,817' - 2,821' | 4 feet | 8 shots |
| 2,858' - 2,862' | 4 feet | 8 shots |
| TOTAL | 40 feet | 80 shots |
- Note: Casing collars are located at 2,477', 2,509', 2,541', 2,575', 2,605', 2,635', 2,666', 2,699', 2,733', 2,763', and 2,795' from Lane Wells Radioactivity Log run 6/2/54.

12. GIH with 7" RTTS-type packer on 2-3/8" work string. Set packer at $\pm 2,460'$. RU and swab well to clean up perforations.
13. RU _____ treating company to acidize Grayburg perforations with 5,000 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 4,650 gallons of acid containing one (1) 1.1 s.g. ball sealer in each 50 gallons acid (93 balls total).
 - c. Flush with 26 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 145 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 $\pm 2,460'$ 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 $\pm 25,000$ lbs tension.
17. Remove BOP, install wellhead injection assembly, and place well on injection. Do not exceed 500 psi surface injection pressure.