

C/SF

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR  
Phillips Oil Company

3. ADDRESS OF OPERATOR Room 401  
4001 Penbrook Street, Odessa, TX 79762

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
Unit H, 1345' FN & 1295' FE lines  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☒  
REPAIR WELL ☒  
PULL OR ALTER CASING ☒  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐

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(other) Repair csg leak, add perfs, acidize, return to prod.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

Proposed work detailed on reverse side and attachments.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED W. J. Mueller TITLE Senior Engineering Specialist DATE November 7, 1984

(This space for Federal or State office use)

APPROVED BY San Wood TITLE Specialist DATE 11-26-84  
CONDITIONS OF APPROVAL, IF ANY:

PHILLIPS OIL COMPANY

Recommended Procedure

Burch AA Fed Well No. 22

October 23, 1984

1. MI RU DDU. Phillips supervisor to hold safety meeting with workover unit personnel. COOH with rods and pump. Install and test BOP. COOH with tubing. Inspect tubing. Check TD and clean out as required.
2. Phillips supervisor to hold safety meeting with wireline company personnel. \_\_\_\_\_ to run GR-CNL with open hole caliper from TD to surface. Send logs to John Upchurch, Odessa, Reservoir Engineering. (Load hole and have pump truck standing by on location during logging operations.)
3. GIH with RTTS type packer and packer type RBP on 2-7/8" workstring. Set RBP @ + 2650' and test 7" casing. If no leak in 7" casing, go to step 5. Isolate leak. Drop 2 Sx sand on RBP. Establish injection rate. Phillips supervisor to hold safety meeting with cementing company personnel. \_\_\_\_\_ to cement with 100 Sxs of Class "C" cement with 2%  $\text{CaCl}_2$  (mixed at 14.8 ppg, yield 1.32 ft<sup>3</sup>/Sx, TT = 2.00 hrs). Flush tubing. Release RTTS packer and COOH. WOC.
4. GIH with drilling equipment and clean out. Test 7" casing. COOH. Go to step 7.
5. If no leak found in 7" casing, set RBP at 1000', dump 2 Sx sand on RBP and load hole with 2% KCl water. COOH with packer and tubing.
6. Pump down 7" x 8-5/8" casing annulus and establish injection rate (hold 500 psi on 7" casing while pumping down annulus). Contact Terry Williams or Eric Wiszneauckas with location of leak. Phillips supervisor to hold safety meeting with cementing company personnel. \_\_\_\_\_ to cement with 100 Sxs of Class "C" cement with 2%  $\text{CaCl}_2$  (mixed at 14.8 ppg, yield 1.32 ft<sup>3</sup>/sx, TT = 2:00 hrs). SION
7. GIH with RBP tool and retrieve BP.
8. GIH with RTTS type packer on 2-7/8" workstring tubing. Set packer at 2600'.
9. Phillips supervisor to hold safety meeting with treating company personnel. \_\_\_\_\_ to acidize the San Andres open hole with 7500 gallons of 15% NEFe HCl as follows (load annulus with 2% KCl water and hold 500 psi on annulus during treatment):

NOTE: Pressure test surface lines to 4000 psi prior to starting job.  
Gelled fluid is to contain biocide.

RECOMMENDED PROCEDURE

Burch AA Fed Well No. 22

October 23, 1984

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- a. Open circulating valve and displace tubing w/400 gallons of acid. Close circulating valve.
- b. Pump 1100 gallons of acid.
- c. Pump 500 gallons of gelled 10 lb. brine w/1 ppg graded rock salt.
- d. Pump 1500 gallons of acid.
- e. Repeat steps c - d three (3) times.
- f. Flush w/750 gallons of 2% KCl water.

Injection Rates: 4-6 BPM

Maximum Pressure: 4000 psi

10. Swab back load and acid water. COOH with tubing and packer.
11. GIH with packer type RBP and RTTS type packer on tubing. Set and test RBP @ 2650'. Spot 10 bbls of 10% acetic acid from 2400'-2650'. COOH with tubing and packer.
12. Phillips supervisor to hold safety meeting with wireline company personnel. \_\_\_\_\_ to perforate the 7" OD casing with a 4" OD decentra-  
lized casing gun loaded w/2 SPF. Interval to be specified by Odessa Reservoir based on logging results.
13. GIH w/RTTS type packer on 2-7/8" tubing. Test tubing to 5500 psi while GIH. Set packer @ 2400'.
14. Swab to clean up perfs.
15. Phillips supervisor to hold safety meeting w/treating company personnel. \_\_\_\_\_ to acidize the Grayburg w/2125 gallons of  
7-1/2% NEFe HCl as follows\* (load annulus and hold 500 psi during treatment.):

NOTE: Pressure test surface lines to 4000 psi prior to starting job.  
Acid is to contain clay stabilizer and fines suspender.

- a. Open circulating valve and displace tubing w/375 gallons of acid. Close circulating valve.
- b. Pump 1750 gallons of acid w/one (1) 1.1 S.G. ball sealer in each 25 gallons acid.
- c. Flush w/650 gallons of 2% KCl water.

Injection Rate: 3-5 BPM

Maximum Pressure: 4000 psi

16. Swab load and acid water.
17. Phillips supervisor to hold safety meeting w/treating company personnel. \_\_\_\_\_ to frac the Grayburg w/40,000 gallons of Mini Max  
III - 40, or equivalent, and 51,000 lbs. of 12/20 mesh sand (load annulus and hold 500 psi during treatment) as follows\*:

NOTE: Pressure test surface lines to 5500 psi prior to starting job.  
Frac fluid is to contain clay stabilizer.

- a. Pump 5000 gallons Mini Max as pad.
- b. Pump 3000 gallons Mini Max w/ 1/2 ppg 12/20 sand.
- c. Pump 4000 gallons Mini Max w/1 ppg 12/20 sand.
- d. Pump 4000 gallons Mini Max w/2 ppg 12/20 sand.
- e. Pump 4000 gallons Mini Max w/3 ppg 12/20 sand.
- f. Drop 35 RCN ball sealers.
- g. Repeat steps 1-e one (1) time.
- h. Flush w/390 gallons of 2% KCl water w/friction reducer.
- i. SION.

Injection Rate: 15 BPM

Maximum Pressure: 5500 psi

- 18. Release packer and circulate sand off of RBP. COOH w/tubing, packer and RBP.
- 19. Return well to production and evaluate w/daily tests and fluid levels until all load is recovered and well is stablized.

\*Acid and frac treatments maybe modified based on logging results.

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TW:km  
PR.B/burch28.3