

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
AUG 26 1993

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

5. Lease Designation and Serial No.

LC - 029426 - B

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

SOCORRO PETROLEUM CO.

3. Address and Telephone No.

P.O. BOX 37, LOCO HILLS, NM 88255

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

720' FSL, 1980' FWL, Sec 3-T17S-R31E Unit N

7. If Unit or EA, Agreement Designation -

KEEL-WEST WATERFLOOD PROJECT

8. Well Name and No.

H.E. WEST "B" #44

9. API Well No.

30-015-26574

10. Field and Pool, or Exploratory Area

Grayburg Jackson Pool

11. County or Parish, State

Eddy Co., New Mexico

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other PERF, ACID-FRAC
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

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

13. 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.)\*

- 6/10/93 Spot with 150 gal 15% NEFE Double Inhibited acid from 4020'-3870'.  
Prepare to acidize Jackson perfs 3938'-3956' and 3972'-4008' (108 holes) with 4,000 gal 28% HCL acid.
- 6/11/93 Found fluid level @ 1280' FS. Made 4 swab runs. Rec 23 bbls fluid with trace of oil. Pumped total of 4000 gal 28% HCL acid. Pump Equilibrium frac into Jackson perf 3938'-4008' (108 holes), consisting of 16,000 gal 28% acid. Max press 1400#, min press 1100#, avg press 1380#, AIR 5 BPM, IOP 1375#.
- 6/12/93 RIH. Tag fluid level @ 1200'. Made a total of 28 runs. Rec 125 bbls of load water. RIH with pump and rods. SWI.
- 6/13/93 Had slight vacuum on tbg and small blow on csg. Found fluid 1200' from surface. Well pumping 100% water with some acid gas.
- 6/15/93 Pump 24 hours. 0 BO and 352 BW.
- 6/16/93 Pump 22 hours. 0 BO and 409 BW.

CONTINUES ON THE BACK OF THIS PAGE

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

Signed

Title PRODUCTION MANAGER

Date AUG 25, 1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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.

\*See Instruction on Reverse Side

- 7/25/93 Prepare to install electric submersible pump. Lay down rod pump and rods.
- 7/26/93 Well shut in to install electric submersible pump. Change out well head. Assemble OOI Electric Submersible pump. Hung pump @ 3900' to pump Jackson perms 3938'-3956' and 3972'-4008' (total 108 holes). Unit pumped trace of oil and 700 BW in 17-1/2 hours. Ran tubing. Well pumping total fluid of 800 BFB0 per day with 1.2% oilcut.
- 8/04/93 Pull OOI submersible pump. Pickup Elder CIBP. RIH set CIBP @ 3925'. Test CIBP to 2000#. Held OK. Spot acid 3800'-3925'. Perf Jackson 3836'-3844' and 3816'-3826' (total 72 holes).
- 8/05/93 RIH set pkr @ 3750'. Make 8 swab runs. Rec 40 bbls fluid. Had 30% oilcut last 3 runs. Fluid level holding @ 3000' FS. Acidize Jackson perms 3816'-3826' and 3826'-3844' (total of 72 holes) with 1500 gal 28% acid. Drop 150# salt block. Max press 2200#, avg press 2100#, ISIP 2100#. Avg inj rate 0.90 BPM. 80 bbls load to recover. Leave well shut in one hour to allow acid to work. Open well to pit with 1100# on tbq. Blow well down. Made 14 swab runs. Rec all load. Last run tag fluid 1200' from surface had 30% oilcut on last run.
- 8/06/93 RIH w/swab. Tag fluid @ 1600' FS. Swab well down to 3200' FS. First run got 30% oilcut. Set RBP @ 3570'.
- 8/07/93 Test RBP set @ 3570' to 3000#. Held ok. Spot 320 gal 15% NEFE double inhibited acid to Grayburg perms 3207'-3570'. RIH w/model "R" pkr and set pkr @ 3207'. Spot acid to end of tbq. Acidize well with 4500 gal 15% NEFE acid. ISIP 2100#, avg press 2500#, max press 2980#, avg rate 3 BPM. Open well to pit. Flow back approx 5 BW. Rig up swab. Rec 50 bbls load with 7% oilcut on last run. Turn well to test tank. Well flowing back approx 1 bbl hour rate. SWI.
- 8/09/93 1) Well flowing to test tank from Grayburg perms 3545'-3294' (total 27 holes), made 11 bbls oil and 112 bbls water over a 37 hour period. RIH. Knock off balls and circulate off RBP. PU set pkr @ 3450.  
2) Isolate Premier 3487'-3545'. Made 23 swab runs. Rec 8 bbls oil and 107 bbls water. Had 8% oilcut on last run. Fluid level holding @ 3200'. SWI.
- 8/10/93 1) Open well w/60# on tbq. Turn to test tank. Flow back 10 bbls from Premier perms 3545'-3487' (total 12 holes) with 50% oilcut. Make 2 swab runs rec 12 bbls fluid 98% water. 2) Isolate Metex perms 3398'-3424' (total 7 holes). Swab well to S/N @ 3380' in 3 runs wait 30 minutes had 600' fluid entry. Swab back a total of 27 bbls fluid with 20% oilcut on last run. 3) Isolate Loco Hill Sand perms 3367'-3373' (total 3 holes). Make 5 swab runs fluid held @ 2700'. Shut well in wait 30 minutes had 300' fluid entry. Made 5 swab runs. Shut well in wait 30 min had 300' fluid entry. Make 4 swab runs. Fluid hold 2700' from surface. Had 10% oilcut on last run. 4) Isolate Grayburg Sand perf 3325'-3294' (total 3 holes). Turn well to frsc tank. Shut down for the night.
- 8/11/93 Open well with Grayburg perms 3294'-3325' isolated. Tag fluid 1800' FS. Swab to SN. Close well in. Wait 30 minutes, had 50' fluid entry with trace of oil. Release model "R" pkr. RIH release RBP. Set plug @ 3650'. Test RBP to 2000#. Held OK.
- 8/12/93 Open well to test tank, flowed 12 bbls fluid overnight. Circulate hole clean w/2% KCl water total of 110 bbls. Press test surface line to 4000#. Frac Grayburg perf 3294'-3545' (total of 27 holes) csg annulus w/13,650 gal crosslinked gel carrying 10,000# 16/30 sand. Max press 3900#, avg press 2900#, min press 2900#, AIR 12.25 BPM, ISIP 3100#. SWI.
- 8/13/93 RIH w/retrieving tool and tbq. Tagged sand @ 3550' (100' of sand in hole). Circulate well bore clean. Release RBP & POH. Ran rods and tbq. Hang well on. Leave well pumping to battery with good pump action.
- 8/14/93 Pump 10 hours. 0 BO and 225 BW. R.D. clean location.
- 8/15/93 Pump 24 hours. 12 BO and 251 BW, 5% oilcut.
- 8/16/93 Pump 24 hours. 10 BO and 185 BW.