

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCT 20 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

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

SOCORRO PETROLEUM COMPANY

3. Address and Telephone No.

P.O. BOX 37, LOCO HILLS, N.M. 88255

(505) 677-3223

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

1337' FNL & 1363' FWL, SEC 10-T17S-R31E

5. Lease Designation and Serial No.

LC-029426-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

H.E. WEST "B" #51

9. API Well No.

30-015-27110

10. Field and Pool, or Exploratory Area

GRAYBURG JACKSON POOL

11. County or Parish, State

EDDY CO., N.M.

12. CHECK APPROPRIATE BOX(S) 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.)

8/19/93 MIRU well service unit to start completion.

8/20/93 Run in hole with 5-1/2" bit and scraper. POH. Run in hole w/RBP to 3972'. Leave plug hanging. Pack well head off.

8/23/93 1) Set RBP @ 3950'. POH to 3912'. Pack off well head. Circulate well clean w/100 bbls fresh water. Test 5-1/2" csg and RBP to 3000#.

2) Pump 4 bbls 15% NEFE acid down tbg and up csg annulus to 3550'. Reverse acid back into 2-7/8" tbg and then wash back to 3550' in csg annulus. Reverse acid out of well into pit to remove free iron from well.

3) Spot 170 gals fresh 15% NEFE acid from 3950'-3780. POH w/2-7/8" tbg. Perforate the following intervals Jackson 3893'-3898', 3843'-3860', 3820'-3831' a total of 66 holes. RIH w/2-7/8" tbg and packer. Set packer @ 3765' and leave 1000# on tbg. Allow acid to soak for 15 hours on perforations. SWI. SDON.

8/24/93 Open well. RU and acidize Jackson perms 3898'-3820' (66 holes) w/5000 gals 15% NEFE acid. Test surface lines to 4000#. Max press 4200#, min press 1200#, avg press 2800#, AIR 3.5 BPM, ISIP 2500#, 15 min SI 2240#.

CONTINUES ON THE BACK OF THIS PAGE

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

Signed

*Robert S. Hoff*

Title

PRODUCTION MANAGER

Date

Oct 19, 1993

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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

- 8/25/93 1) Well open to working pit. Swab Jackson perfs 3898'-3820'. Make 3 swab runs. Last swab run was from 3000' from surface with 15% oilcut. Lower down to RBP 3950'. Circulate well clean. Release RBP and pull up. Set RBP @ 3580'. Test plug to 4000#.
- 2) Pickled tubing and casing (3308'-3547') w/5 bbls acid. Circulate acid to working pit.
- 3) Spot 350 gals 15% NEFE acid from 3580'-3230'. POH w/tubing. Perforate the following Grayburg zone, Premier Sand 3547'-3467', Metex Sand 3442'-3396', Loco Hills Sand 3366'-3356' and Grayburg Sand 3318'-3308' (total 50 holes).
- 4) RIH w/tbg and packer, set packer @ 3196'. Isolate Grayburg perfs at 3308'-3547'. Acidize Grayburg section w/3250 gals NEFE acid and 100 ball sealers. Test lines and well head to 4000#. Had good ball action w/pressure increase and pressure drop through out job. Max press 3600#, avg press 2600#, avg rate 3 BPM, max rate 4 BPM, ISIP 2300#, 15 min 2130#. Turn well to working pit and flow back. Made 5 swab runs and recover 35 bbls fluid. SWI for the night.
- 8/26/93 1) RU swabbed all Grayburg perfs 3308'-3547' (total 50 holes). Found fluid level @ 900' FS. Made a total of 8 swab runs. Swabbed well down to SN, last run having a trace of oil. Set pkr @ 3453'.
- 2) Swab Premier perfs 3467'-3547'. Found fluid level @ 900' FS. Made a total of 6 runs. Swabbed well down to SN. Waited 30 min, had 50' of fluid entry, having 20% oilcut.
- 3) Release pkr and move down hole to top of RBP @ 3580'. RU and circulate balls off top of RBP. Set RBP @ 3670'. Set pkr @ 3580'. Test RBP to 2000#, held OK. Release pkr and pull up hole 15 jts.
- 8/28/93 Finish POH and layed down 2-7/8" tbg. RBP set @ 3650' and tested to 4000#. Circulate hole clean w/2% KCL water total of 110 bbls. Press test surface lines to 4200#. Frac Grayburg perf 3547'-3308' total 50 holes down 5-1/2" x 2-3/8" csg annulus w/76,400 gal crosslinked gel carrying 150,600# 16/30 sand. Max press 4150#, avg press 3700#, min press 3237#, AIR 28.5 BPM, ISIP 2600#, 15 min SIP 2454#.
- 8/30/93 Flow well down. RIH tagged sand fill @ 3630'. RU pump truck circulate wellbore clean to top of RBP @ 3670'. Release RBP and POH. Lay down RBP. Ran tbg, pump and rods. Hung well on.
- 8/31/93 Balanced pumping unit. Left well pumping.
- 9/01/93 First day of production. Trace of oil and 251 BW.
- 9/09/93 RU. POH w/rods and pump. RIH and set pkr @ 3775'. Squeeze Jackson perfs 3820'-3893' (66 holes) w/55 gal scale inhibitor. Over flush w/100 bbls 2% KCL wtr.
- 9/10/93 Ran tbg, pump and rods.
- 9/12/93 First day of test. 24 hours 10 BO and 347 BW.