

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NEW OIL CONS. COMMISSION
1 per DD
Antonia, NM

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)

75' FNL & 1370' FEL, SEC 9-T17S-R31E

7. If Unit or CA, Agreement Designation

8. Well Name and No.

H.E. WEST "B" #54

9. API Well No.

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.)*

5/19/93 Drill and clean out well to 4305'.

5/20/93 Perforate Slaughter perfs 4192'-4250'.

5/21/93 Acidize Slaughter perf 4192-4250' (total 116 holes) w/3000 gals 15% HCL, 420 gals gelled brine, and 350# rock salt. Max press 1580#, avg press 1450#, ISIP 1450#, avg rate 1.8 BPM.

5/24/93 Swab Slaughter perfs 4195'-4250'. To SN. After 30 minutes found 300' of fluid entry having 20% oilcut.

6/01/93 Well pumped 9 BO and 50 BW.

6/15/93 Well pumped 5 BO and 32 BW.

ACCEPTED FOR
Robert A. Glass
1993

RECEIVED
NOV 8 8 37 AM '93
CARLSBAD AREA
BUREAU OF LAND MANAGEMENT

CONTINUES ON THE BACK OF THIS PAGE

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

Signed

Title

PRODUCTION MANAGER

Date

NOVEMBER 4, 1993

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date

7/03/93 Frac Slaughter 4250'-4031' w/30,000 gal linear gel and 47,300# 16/30 sand. AIR 18 BPM, max press 1561#, ISIP 1470#.

7/07/93 RIH pump and rods.

7/09/93 Well pumping 13 BO and 303 BM.

8/14/93 POH rods and pump. RIH and set RBP @ 3890'.

8/16/93 Circulate well bore and spot 200 gal 15% NEFE acid from 3700'-3900'. POH w/2-7/8" tbg. Perf Jackson 3766'-3871' (total 52 holes). RIH w/2-7/8" tbg. Set pkr @ 3700'. Allow acid to soak on perf six hours. Acidize Jackson perf 3766'-3871' (total 52 holes) with 5000 gal 15% NEFE acid. Max press 4000#, min press 2080#, avg press 2500#, AIR 4 BPM, ISIP 1980#. 180 bbls total load to recover. Flow well back, recovered 85 bbls acid water. Final swab run fluid level down to 3500', 13% oilcut.

8/17/93 RIH to swab Jackson perfs 3768'-3855'. Rec 20 bbls fluid 10%-15% oilcut. Set RBP @ 3550'. Spot 250 gal 15% NEFE acid across Grayburg and Vacuum 3230'-3520'. POH w/tbg. Perf Vacuum, Premier Sand, Metex Sand, Loco Hills Sand, Loco Hills Carb perfs 3230'-3520' (total 50 holes). Set pkr @ 3157. Acidize w/5300 gal 125% NEFE acid. Max press 3400#, avg press 2600#, final press 2650# @ 5 BPM, max rate 5 BPM, avg rate 4 BPM, ISIP 2180#.

8/18/93 1) Open well. Well had 480# pressure on tbg. Flow well down. Recovered a total of 15 bbls fluid. 2) Swab Vacuum 3483'-3520'. Swab fluid level to 2800'. Wait 30 min had 400' fluid entry 4% oilcut.

8/19/93 1) Isolate Premier perfs 3386'-3464' and swab. Wait 30 min, had 200' of fluid entry 14% oilcut. 2) Isolate Metex perfs 3312'-3323' and swab. Wait 30 min, had 100' of fluid entry with a trace of oil. 3) Isolate Loco Hills Sand perfs 3275'-3284' and swab. Wait 30 min, had 300' of fluid entry with a trace of oil. 4) Isolate Loco Hills Carb 3230'-3233' and swab. Wait 30 min, had no fluid entry. 5) Release pkr and RBP. Set RBP @ 3626'.

8/20/93 Run 2-3/8" tbg. Tag RBP @ 3626'. PU and hang tbg @ 3605'.

8/21/93 Frac Grayburg perfs 3520'-3230' (total of 50 holes) down 5-1/2" x 2-3/8" csg annulus w/80,000 gal crosslinked gel and 156,000# 16/30 mesh sand. Max press 2993, avg press 2900#, min press 2100#, AIR 28 BPM, ISIP 2555#. Open well to working pit. Flow @ 1/4 B/M for 20 min for forced closure. RIH w/2-7/8" tbg to 3141'. Rig up swab equipment. Total 4 swab runs. Well kicked off flowing. Turn to test tank on 20/64" choke.

8/23/93 Well flow 47 BO and 50 BM. With 250# FTP on 16/64" chk.

8/25/93 F-24 hours. 26 BO and 18 BM.

8/30/93 Well dead 0 BO and 0 BM.

8/31/93 MIRU well service. POH w/RBP @ 3620' and 3890'. Scale squeeze Jackson perfs 3871'-3766'. With 55 gal scale inhibitor.

9/01/93 Well SI for chemical scale squeeze. Bleed well down. Release and pull pkr and RBP. Ran tbg, pump and rods.

9/02/93 Pump 16 hours 18 BO and 147 BM.

9/10/93 Pump 24 hours. 55 BO and 244 BM.