

NOV - 0 1983

WELL NAME AND NUMBER H. E. West "B" 49

LOCATION 1305' FSL & 1305' FWL, Section 3, T17S, R31E, Eddy County, NM

OPERATOR Socorro Petroleum

DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/4° 510'</u>	<u>                    </u>	<u>                    </u>
<u>1/2° 1034'</u>	<u>                    </u>	<u>                    </u>
<u>1-1/4° 1528'</u>	<u>                    </u>	<u>                    </u>
<u>1° 2017'</u>	<u>                    </u>	<u>                    </u>
<u>3/4° 2520'</u>	<u>                    </u>	<u>                    </u>
<u>1/2° 3013'</u>	<u>                    </u>	<u>                    </u>
<u>1° 3506'</u>	<u>                    </u>	<u>                    </u>
<u>1/2° 3996'</u>	<u>                    </u>	<u>                    </u>

Drilling Contractor United Drilling, Inc.

By: W. M. Gibbs

Title: Business Manager

Subscribed and sworn to before me this 14<sup>th</sup> day of April, 1983.

Barbara Stankovic  
Notary Public

My Commission Expires: 9-25-90

Socorro NM  
County State

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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

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

5. Lease Designation and Serial No.

LC 029426-B

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE**

NOV - 0 1993

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, NEW MEXICO 88255 (505) 677-3223

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

1305' FSL, 1305' FWL, SEC 3, T17S, R31E

7. If Unit or CA, Agreement Designation

KEEL-WEST WATERFLOOD PROJECT

8. Well Name and No.

H.E. WEST "B" #49

9. API Well No.

30-015-26791

10. Field and Pool, or Exploratory Area

GRAYBURG-JACKSON POOL

11. County or Parish, State

EDDY COUNTY, 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, ACIDIZE & 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.)\*

8/23/93 Spot 100 gallons fresh 15% NEFE acid from 3890' to 3790'. POH with 2-7/8" tubing. Perforate well.

ZONE	PERF	NO HOLES	FT NET PAY
Jackson	3830'-3840'	40	10
	TOTAL	40	10

Acidize well as follows:

Spot 100 gal acid across Jackson perf 3830' to 3840' (total 40 holes). POH and set pkr @ 3761'. Breakdown pressure 4300# @ 0.5 BPM. Acidize with 2200 gal 15% NEFE acid. Drop 80 balls. Achieved ballout. Finish pumping acid. AIR 3.5, max press 4000#, avg press 2900#, min press 2630#, ISIP 2360#, 15 min SIP 2100#.

CONTINUES ON THE BACK OF THIS PAGE

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

Signed

Title

PRODUCTION MANAGER

Date

6 OCT 93

(This space for Federal or State office use)

Approved by

Title

Date

SJS

Conditions of approval, if any:

NOV 4 1993

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

- 8/24/93 1) Jackson perms 3830'-3840' (20 holes). 11 had SITP of 940#. Opened well flowed 1 bbl. RL 3. Made a total of 9 swab runs. Recovered 50 bbls fluid having 40% oilcut. Wait 30 minutes had 550' fluid entry. Starting FL was at surface. Swabbed well down to SN. RD swab.
- 2) RU kill truck pump 37 bbls of 2% KCL water containing 55 gals double inhibited 15% NEFE HCL acid with clay stabilizers and iron sequestering agents, and 110 gals of scale inhibitor. Over displace into formation with 200 bbls 2% KCL water and 5 gals corrosion inhibitor. Avg rate 2 BPM, avg press 2600#, max press 2720#.
- 8/25/93 1) Pull up hole and set RBP @ 3591'. PCH w/tubing and packer. Perforate the Grayburg section w/2-JSP1 90° out of phase as follows: Premier Sand 3532'-3454' (30 holes), Metex Sand 3417'-3396' (12 holes), Loco Hills Sand 3367'-3361' (4 holes) and Grayburg Sand 3318'-3314' (4 holes). RIH w/packer and tubing. Set packer @ 3560'. Test RBP to 2000#, held ok. Released packer and pull up hole to 3539'.
- 2) Circulate well bore and clean w/98 bbls KCL water. Pickle tubing and casing w/4 bbls 15% NEFE acid. Spot 300 gal 15% NEFE acid across Grayburg perms to 3314'-3532'. Pull up hole and set packer @ 3260'. Pressure casing to 3000#. Breakdown pressure 2100# @ 1.0 BPM. Acidize w/4100 gal 15% NEFE acid. Drop 100 balls. Achieved ballout. Max press 4120#, avg press 2800#, min press 2100#, avg rate 3.6 BPM. ISIP 2400#.
- 8/26/93 RU swab found fluid level at 300' FS. Made a total of 12 swab runs for Grayburg perms 3532'-3314'. Swabbed well down to SN, waited 30 min, had 650' of fluid entry with 30% oilcut.
- 8/27/93 Set RBP @ 3654' and test to 4000#. Circulate hole clean w/2% KCL water. Pressure test surface lines to 4000#. Frac Grayburg perms 3532'-3314' (total 50 holes) w/79,000 gal crosslinked gel carrying 63,000# 16/20 sand. Max press 3575#, avg press 3400#, min press 3380#, AIR 30.2 BPM.
- 8/28/93 Flow well down.
- 8/30/93 Run production equipment.
- 8/31/93 Pump 15 hours. 10 BO and 205 BW. 5% oilcut.