

CLSF

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
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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	5. Lease Designation and Serial No. LC - 029426-A
2. Name of Operator SOCORRO PETROLEUM CO. ✓	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. BOX 37, LOCO HILLS, NM 88255 (505) 677-3223	7. If Unit or CA Agreement Designation KEEL-WEST WATERFLOOD PROJECT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1345' FSL & 35' FEL, Sec 4-T17S-R31E, Unit I	8. Well Name and No. H.E. WEST "A" #22
	9. API Well No. 30-015-27127
	10. Field and Pool, or Exploratory Area Grayburg Jackson Pool
	11. County or Parish, State Eddy Co., New Mexico

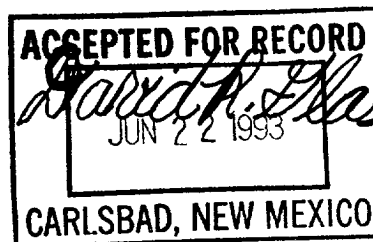
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Abandonment
☒ Subsequent Report	☐ Recompletion
☐ Final Abandonment Notice	☐ Plugging Back
	☐ Casing Repair
	☐ Altering Casing
	☒ Other PERFE 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.)*

SEE ATTACHMENT 1



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

Signed [Signature] Title PRODUCTION MANAGER

Date 5/13/93

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

H.B. WEST "A" 22
ATTACHMENT 1
OF FORM #3160-5

3/8/93 Perf in acid Basal Slaughter 4930'-4992' (8 holes). Acidize with 750 gal 15% NEFE acid, Max press 3300#, Min press 2870, AIR 1.8 BPM, ISIP 2250#.
Swab with no show of oil or gas, rec 100% water.

3/11/93 Perf and acidize Lower Slaughter perf 4972'-4957' (12 Holes) and 4918'-4878' (24 Holes) w/2000 gal 15% NEFE acid, Max press 3600#, Min press 2600#, AIR 3 BPM, ISIP 2300#. Swab Lower Slaughter 4972'-4878' 9 runs 0% oilcut. Final found 800' of fluid entry/30 min.

3/12/93 Swab Slaughter perf 4972'-4957' and 4918'-4878' 9 Runs 100% water.

3/12/93 PERFORATED 26 HOLES
Middle Slaughter 4735', 32', 29', 26', 24'
Middle Slaughter 4467', 65', 62', 60'
Upper Slaughter 4242', 40', 38', 36'
Upper Slaughter 4213', 09', 07', 05', 4200', 4194', 90' 88', 84', 81'
Upper Slaughter 4106', 05', 04'

3/13/93 Swab perf 4735'-4724' 100% water.

3/13/93 Swab perf 4467'-4460' 100% water.

3/13/93 Swab perf 4242'-4181' 100% water.

3/13/93 Swab perf 4106'-4104' 100% water.

3/15/93 Swab Slaughter perf 4104'-4735' 5 Runs 1% oilcut.

3/15/93 PERFORATED 33 HOLES (131 FT)
Basal Jackson 4072', 69', 65', 61', 56', 54'
Lower Jackson 4040', 47', 44', 42', 38', 36', 34', 31', 25', 19', 17', 05', 03', 3997', 93', 87', 81', 73', 71', 62', 60', 58', 56', 53', 49', 43', 41'

3/15/93 Acidize Basal Jackson and Lower Jackson perf 4072'-3941' w/5000 gal 15% NEFE Acid. Max press 4000#, Avg press 2000#, Min press 1800#, ISIP 1600#.

3/16/93 Swab Basal and Lower Jackson perf 3941'-4072' 9 Runs 18% oilcut. Final run 20% oilcut.

3/17/93 PERFORATED 18 HOLES (105 FT)
Middle Jackson 3852', 50', 48', 35', 31', 26', 17', 11', 08', 07', 3794', 90'
Upper Jackson 3781', 76', 73', 71', 69', 38'

3/17/93 Acidize Middle and Upper Jackson perf 3852'-3738' w/3500 gal 15% NEFE acid. Max press 4000#, AVG press 2600#, Min press 1800#, AIR 3.3 BPM, ISIP 1500#.

3/17/93 Swab Middle and Upper Jackson perf 3852'-3738' 15 Runs 10% oilcut.

3/18/93 Swab Upper and Middle Jackson perf 3852'-3738' 15 Runs 18% oilcut. Final run no change in oilcut.

3/18/93 PERFORATED
Upper Slaughter 6 Holes (9 Ft) 4160', 58', 56'
Lovington Sand 6 Holes (9 Ft) 3646', 48', 50'

3/19/93 Acidize Lovington perf 3646'-3650' w/2000 gal 15% NEFE acid. Max press 4000#, AVG press 2600#, Min press 2200#, AIR 3 BPM, ISIP 2500#.

3/19/93 Swab Lovington perf 3646'-3670' 10 Runs 0% oilcut. Final run 100% water.

3/20/93 Swab Lovington perf 3650'-3646' 4 Runs 1% oilcut.

3/20/93 PERFORATED
Upper SA Carb 7 Holes 3590', 89', 81', 77', 74', 71'
Premier 11 Holes 3522', 20', 18', 15', 11', 08', 04', 2499', 97', 93', 87'
Premier 3 Holes 3477', 75', 70'
Premier 2 Holes 3462', 60'
Premier 4 Holes 3437', 35', 34', 32'
Metex 8 Holes 3407', 04', 3400', 3397', 95', 93', 91', 89'
Metex 6 Holes 3379', 77', 75', 73', 71', 67'
Loco Hills Sand 3 Holes 3352', 40', 33'
Grayburg Sand 6 Holes 3291', 89', 87', 82', 80', 78'

3/20/93 Acidize Upper SA Carb., Premier, Metex, Loco Hills Sand and Grayburg Sand perf 3590'-3278' w/4500 gal 15% NEFE acid. Max press 3800#, Min press 2600#, AVG press 3000#, AIR 4.8 BPM, ISIP 2200#.

3/20/93 Swab Upper SA Carb., Premier, Metex, Loco Hills Sand and Grayburg Sand perf 3590'-3278' 12 runs 10% to 15% oilcut. Final run found 500' of fluid entry/30 min.

3/22/93 Swab Upper SA Carb., Premier, Metex, Loco Hills Sand and Grayburg Sand perf 3590'-3278' 4 Runs. Final run 5% oilcut. Had 400' oil on first run.

3/22/93 Swab Upper SA Carb perf 3571'-3590' 3% oilcut. 800' fluid entry/30 min with 2%-3% oilcut.

3/22/93 Swab Premier perf 3522'-3432' 10 Runs to 3% oilcut. 800' fluid entry/30 min.

3/23/93 Swab Premier perf 3432'-3522' 5 Runs 10% oilcut.

3/23/93 Swab Metex perf 3367'-3407' 5 Runs 7.5% oilcut. 700' fluid entry/30 min.

3/23/93 Swab Loco Hills perf 3333'-3352' 4 Runs 7% oilcut.

3/23/93 Swab Grayburg perf 3278'-3291' 3 Runs 8% oilcut.

3/23/93 Swab Middle and Upper Slaughter perf 4104'-4735' 5 Runs 5% oilcut.

3/24/93 Swab Middle and Upper Slaughter perf 4104'-4735' 5 Runs 6% oilcut.

3/24/93 Swab Basal Jackson and Lower Jackson perf 3941'-4072' 2 Runs 16% oilcut.

3/27/93 Acidize Grayburg perf 3278'-3522' (43 Holes) w/2000 gal acid. Max press 3300#, Min press 1900#, AIR 7 BPM, ISIP 2475#.

3/27/93 Frac Grayburg perf 3278'-3522' w/90000 gal crosslinked gel +120000# 20/40 Brady Sand +25000# 12/20 Brady Sand, & 25000# 12/20 Resin coated sand. Max