

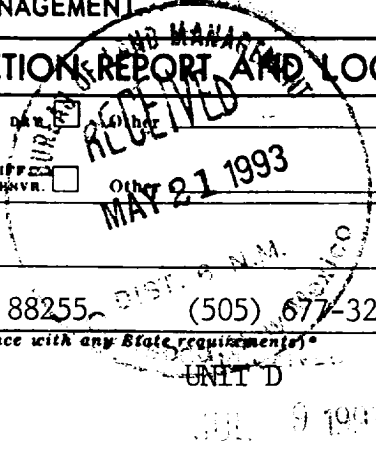
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NEW OIL CONS. COMMISS.  
SUBMIT IN DUPL. FORM  
Drawer DD  
88210  
(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐  
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFFERENTIAL ☐  
3. NAME OF OPERATOR: SOCORRO PETROLEUM COMPANY  
4. ADDRESS AND TELEPHONE NO.: P.O. BOX 37, LOCO HILLS, NEW MEXICO 88255 (505) 677-3223  
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):  
At surface 1250' FNL & 100' FWL  
At top prod. interval reported below  
At total depth



6. LEASE DESIGNATION AND SERIAL NO.: LC 029426-B  
7. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
8. UNIT AGREEMENT NAME: KEEL-WEST WATERFLOOD PROJECT  
9. FARM OR LEASE NAME, WELL NO.: H.E. WEST "B" #52  
10. API WELL NO.: 30-015-27149  
11. FIELD AND POOL, OR WILDCAT:  
12. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA: SEC 10, T17S, R31E  
13. COUNTY OR PARISH: EDDY  
14. STATE: NEW MEXICO

14. PERMIT NO.: DATE ISSUED:  
15. DATE SPUDDED: 3/21/93  
16. DATE T.D. REACHED: 3/29/93  
17. DATE COMPL. (Ready to prod.): 5/17/93  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.): KB 3923'  
19. ELEV. CASINGHEAD: GL 3913'  
20. TOTAL DEPTH, MD & TVD: 4335'  
21. PLUG, BACK T.D., MD & TVD: 4284'  
22. IF MULTIPLE COMPL., HOW MANY?:  
23. INTERVALS DRILLED BY: SURFACE TD  
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD): 4080'-4198' (145 HOLES) SLAUGHTER  
25. WAS DIRECTIONAL SURVEY MADE: YES  
26. TYPE ELECTRIC AND OTHER LOGS RUN: CNL, LDT, DSON, EPT, NGT, DLL AND MSFL  
27. WAS WELL CORRED: NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" J-55	24#	626'	11"	500SX-CIRC 43 SX TO PIT	
5-1/2" J-55	17#	4335'	7-7/8"	1200 SX-CIRC 305 SX TO PIT	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	4280'	

31. PERFORATION RECORD (Interval, size and number)

4126'-4104'	44 HOLES
4094'-4080'	28 HOLES
4162'-4198'	73 HOLES

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED	

33. PRODUCTION

DATE FIRST PRODUCTION: 5/17/93  
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): PUMPING  
WELL STATUS (Producing or shut-in): PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
5/18/93	22.5 HOURS	--	→	79	67.2	85	851

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
--	20#	→	84	71.4	91	38.6

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): SOLD TO CONOCO  
TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: DEVIATION SURVEY AND LOGS  
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED: [Signature] TITLE: PRODUCTION MANAGER DATE: MAY 19, 1993

\*(See Instructions and Spaces for Additional Data on Reverse Side)

38. GEOLOGIC MARKERS

U.S. GOVERNMENT PRINTING OFFICE: 1992 - 774-672

H.E. WEST "B" 52  
ATTACHMENT 1  
OF FORM #3160-4

1/28/93 PERFORATED AND ACIDIZE  
Perf Slaughter 4126'-4104' (44 Holes) and 4094'-4080' (28 Holes) in 15% NEFE acid.

4/29/93 Acidize Slaughter perfs 4080'-4126' w/2500 gal 15% acid. Drop 2 salt blocks 150# and 300# in saturated brine. Max 2430#, Avg 1100#, ISIP 830#, 5 min SIP 880#, 10 min SIP 850#, 15 min SIP 830#. Swab Slaughter perf 4080'-4126' 21 Runs 0%-10% oilcut. Final run found 400' of fluid entry. Having 10% oilcut.

4/30/93 Swab Slaughter perf 4080'-4126' 12 Runs 10% oilcut. Final run found 400' of fluid entry. Having 10% oilcut.  
Swab Slaughter perf 4104'-4126' 23 Runs 5% oilcut. Final run found 600' of fluid entry. Having 5% oilcut.

5/01/93 Swab Slaughter perf 4104'-4126' 8 Runs 15% oilcut. Final run found 600' of fluid entry. Having 15% oilcut.  
Swab Slaughter perf 4080'-4094' 4 Runs 0% oilcut. Final run found 150' of fluid entry. Having 0% oilcut.

5/03/93 Swab Slaughter perf 4080'-4094'. Found 150' of fluid entry. Having 0% oilcut.

5/12/93 Perf Slaughter 4162'-4198' (73 Holes) in 15% NEFE acid.

5/13/93 Found perfs communicated behind pipe.  
Acidize perfs 4080'-4094', 4104'-4126' and 4162'-4198' w/2500 gal 15% NEFE acid. Drop 2 salt blocks 200#. Max 1340#, Avg 1000#, Max rate 4.5 B/M @ 1340#. ISIP 1000#, 5 min 860#, 10 min 840#, 15 min 810#.

5/14/93 Acid - Frac Slaughter perf 4080'-4094', 4104'-4126' and 4162'-4198' w/2000 gal 15% NEFE acid and 25,000 gal 15% Emulsified acid. Max IR 6.8 BPM, Avg IR 3.8 BPM, Max 1360#, min 650#, ISIP 1200#, 5 min 1180#, 10 min 1170#, 15 min 1160#. 204 bbl load to rec.

5/15/93 Swab and flow a total 225 bbl load with slight show of oil. Ran rods and pump. Left well pumping. 10-120" SPM. Oilcut increased to 38%.

5/16/93 Put well on test.

WELL NAME AND NUMBER H. E. West "B" 52  
LOCATION 1250' FNL & 100' FWL, Section 10, 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>1/2° 593'</u>	<u>1/2° 4023'</u>	<u>                    </u>
<u>1° 1027'</u>	<u>                    </u>	<u>                    </u>
<u>1° 1521'</u>	<u>                    </u>	<u>                    </u>
<u>1° 1826'</u>	<u>                    </u>	<u>                    </u>
<u>1-1/4° 2012</u>	<u>                    </u>	<u>                    </u>
<u>1-1/4° 2510</u>	<u>                    </u>	<u>                    </u>
<u>1° 3035</u>	<u>                    </u>	<u>                    </u>
<u>3/4° 3501</u>	<u>                    </u>	<u>                    </u>

Drilling Contractor United Drilling, Inc.

By: *Sam M. Giddis*

Title: Business Manager

Subscribed and sworn to before me this 30<sup>th</sup> day of March,  
1953

*Herman J. Giddis*  
Notary Public

My Commission Expires: 9-25-53

*Chaves* *N. M.*  
County State