

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THIS DRAWER TO THE DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON, D.C. 20540  
Artesia, NM 88210

Form approved  
Budget Bureau No. 42 R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other **RECEIVED**

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other **JUL 1 1982**

2. NAME OF OPERATOR  
Western Reserves Oil Company

3. ADDRESS OF OPERATOR  
P. O. Box 993 Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 660' FSL & 660' FEL  
At top prod. interval reported below  
At total depth

5. LEASE DESIGNATION AND SERIAL NO.  
NM-17438

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Bravo Federal

9. WELL NO.  
#4

10. FIELD AND POOL, OR WILDCAT  
X Pecos Slope (Abo)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 30, T-6-S  
R-25-E

12. COUNTY OR PARISH  
Chaves

13. STATE  
NM

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 3-13-82 16. DATE T.D. REACHED 3-24-82 17. DATE COMPL. (Ready to prod.) 5-22-82 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 3808 GR 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 3950' 21. PLUG BACK T.D., MD & TVD 3913' 22. IF MULTIPLE COMPL., HOW MANY\* -- 23. INTERVALS DRILLED BY -- ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
3472' - 3750' Abo

25. WAS DIRECTIONAL SURVEY MADE  
no

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Compensated Density Dual Spaced Neutron Log, Guard-Forxo Log

27. WAS WELL CORED  
no

CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | RECORDED |
|-------------|-----------------|----------------|-----------|------------------|----------|
| 13 3/8"     | 48# H-40        | 901.68'        | 17 1/2"   | 1000 SX          |          |
| 8 5/8"      | 24#             | 1606'          | 12 1/4"   | 600 SX           |          |
| 4 1/2"      | 10.5 #          | 3950'          | 7 7/8"    | 300 SX           |          |

JUN 30 1982

U.S. GEOLOGICAL SURVEY  
ROSWEIL, NEW MEXICO

| LINER RECORD |          |             |               |             | TUBING RECORD |                |
|--------------|----------|-------------|---------------|-------------|---------------|----------------|
| SIZE         | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE          | DEPTH SET (MD) |
|              |          |             |               |             | 2 3/8         | 3432'          |

| 31. PERFORATION RECORD (Interval, size and number) |          |           |          | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                                  |
|----------------------------------------------------|----------|-----------|----------|------------------------------------------------|----------------------------------|
| 3472-3486                                          | 8 shots  | 3567      | 1 shot   | DEPTH INTERVAL (MD)                            | AMOUNT AND KIND OF MATERIAL USED |
| 3514                                               | 1 shot   | 3565      | 1 shot   | 3472-3750                                      | 4,000 gal.- Mod-101              |
| 3516                                               | 1 shot   | 3588-3592 | 3 shots  |                                                | 1105 bbls 2% KCl 221 tons        |
| 3524-3546                                          | 12 shots | 3730-3750 | 11 shots |                                                | CO <sub>2</sub> 1200 sacks sand  |

33. PRODUCTION

DATE FIRST PRODUCTION -- PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST 5-28-82 HOURS TESTED 3 hrs 15 min CHOKE SIZE various PROD'N. FOR TEST PERIOD -- OIL—BBL. 0 GAS—MCF. 1,563 WATER—BBL. 0 GAS-OIL RATIO N/A

FLOW. TUBING PRESS. 808 CASING PRESSURE 730 CALCULATED 24-HOUR RATE -- OIL—BBL. 0 GAS—MCF. 11,540 WATER—BBL. 0 OIL GRAVITY-API (API) N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY Mark Rowland

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Alan T. [Signature] TITLE, GAS Agent DATE 6-15-82

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

| 37. SUMMARY OF POROUS ZONES:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |      |        |                                          | 38. GEOLOGIC MARKERS |             |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|------------------------------------------|----------------------|-------------|------------------|
| FORMATION                                                                                                                                                                                                                                             | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC.              | NAME                 | TOP         |                  |
|                                                                                                                                                                                                                                                       |      |        |                                          |                      | MEAS. DEPTH | TRUE VERT. DEPTH |
| San Andres                                                                                                                                                                                                                                            | 325  | 1340   | Sands and Limestone and Dolomite         | San Andres           | 325         |                  |
| Glorieta                                                                                                                                                                                                                                              | 1340 | 2864   | Shales, Sands, Limestone, Dolomite, Salt | Glorieta             | 1340        |                  |
| Tubb                                                                                                                                                                                                                                                  | 2864 | 3436   | Sandy Shales, Shales, Salt               | Tubb                 | 2864        |                  |
| Abo                                                                                                                                                                                                                                                   | 3436 | 3948   | Sands, Shales                            | Abo                  | 3436        |                  |

TEX -MEX DRILLING COMPANY



P.O. BOX 3759  
ABILENE, TEXAS 79604  
PHONE 915/677-9121  
Myrle Greathouse

BOX 1300  
CLOVIS STAR ROUTE  
ROSWELL, N. MEX. 88201  
PHONE 505-622-0022  
Monte Cowser

June 7, 1982

RECEIVED

JUN 17 1982

Western Reserves  
Box 2188  
Hobbs, New Mexico 88240

O. C. D.  
ARTESIA, OFFICE

RE: Bravo Federal #4  
Chaves County, New Mexico

Deviation Test

|      |     |
|------|-----|
| 500  | 1/4 |
| 905  | 3/4 |
| 1608 | 3/4 |
| 2130 | 3/4 |
| 2717 | 3/4 |
| 3392 | 3/4 |
| 3950 | 3/4 |

TEX-MEX DRILLING COMPANY

BY Monte Cowser  
Monte Cowser, Vice President

Subscribed and sworn to before me this 7 day of June 19 82

Don Young Chaves, New Mexico.  
Notary Public County

My Commission Expires February 22 19 82.