

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION:
NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☒ Recompletion

2. NAME OF OPERATOR
Amoco Production Company

Attention:
Pat Archuleta

3. ADDRESS AND TELEPHONE NO.
P.O. Box 800, Denver, Colorado 80201 (303) 830-5217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1090' FNL 600' FEL UNIT A

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH 13. STATE

15. DATE SPUDDED 04/12/57 16. DATE T.D. REACHED 04/19/57 17. DATE COMPL. (Ready to prod.) 11/07/96 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6069' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4681' 4685' 21. PLUG, BACK T.D., MD & TVD 3122' 3630' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

Otero Chacral 3198-3240'

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR, CBL

27. WAS WELL CORED

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 |
|-------------------|-----------------|----------------|-----------|---------------------------------|---------------|
| 10 3/4" | 32.75# | 162' 172' | | 176 sxs CL-B | |
| 7 5/8" | 26.4# | 4340' 4350' | | 300 sxs CL-B | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
| 5 1/2" | 4274' | 4681' | 100 sxs | | 2.375" | 4505' 3285' | 3290' |

31. PERFORATION RECORD (List size and number)

SEE ATTACHED

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| SEE Attached | |

33.* PRODUCTION

DATE FIRST PRODUCTION 11 07 1996 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) flowing WELL STATUS (Producing or shut-in) SI-W/O 1ST DELIVERY

DATE OF TEST 11 07 1996 HOURS TESTED 24 CHOKE SIZE 1/2" PROD'N FOR TEST PERIOD OIL - BBL. trace GAS - MCF. 654 WATER - BBL. 19 GAS-OIL RATIO

FLOW TUBING PRESS 90# CASING PRESSURE 220# CALCULATED 24-HOUR RATE OIL - BBL. GAS - MCF. WATER - BBL. OIL GRAVITY API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

to be sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Perf and Frac

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

SIGNED Pat Archuleta

TITLE Staff Assistant

FARMINGTON DISTRICT OFFICE

DATE 11-18-1996

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

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.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including 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 |
| Tan | 0 | 1133 | | | | |
| Ojo Alamo | 1133 | 1294 | | | | |
| Kirtland | 1294 | 1921 | | | | |
| Fruitland | 1921 | 2140 | | | | |
| Pictured Cliffs | 2140 | 2212 | | | | |
| Lewis | 2212 | 3703 | | | | |
| Cliff House | 3703 | 3767 | | | | |
| Menefee | 3767 | 4405 | | | | |
| Point Lookout | 4405 | 4585 | | | | |
| Mancos | 4585 | 4685 | | | | |

Michener A LS #5

API 3004507059

MIRUSU 10/28/96.

Set cement retainer at 4354-4357', tested to 500psi. for 150min. Held okay.

Dumped 35 sxs Cl-B cement down tubing from 4357-4509'.

Dumped 29sxs Cl-B cement down tubing from 4224-4354' down tubing . Plug starts in 5 1/2" csg, ends in the 7 5/8" csg.

Dumped 29 sxs Cl-B cement down tubing from 3630-3752'.

Ran GR and CBL from 13'-3292'.

Squeezed perf at 3300' w/ 2jspf, .400 inch diameter, total of 2 shots fired.

Set packer at 3290'. Cemented from 3290-3300' w/ 97 sxs Cl-B cement.

Ran CBL from 2850-3282'

Squeezed perf at 3198' w/ 2 jspf, .400 inch diameter, total 2 shots fired.

Cemented form 3122-3198' w/33 sxs Cl-B cement.

Ran GR & CBL form 2850-3282'

Perforated at 322³8', 3225', 3227', 3229', 3231', 3234', 3236', 3238', 3240', w/1jspf, .400 inch diameter, total 9 shots fired.

Break down perms from 3223-3240', w/ 10 bbls fresh water. Max psi 1300#, max rate 2.5 bpm.

Did a massive frac form 3223-3240' w/ 318 bbls water and 85,004 scf of N2 to create a 70% qualit foam, along w/ 38,615# of 16/30 Arizona sand.

Flow tested well for 24 hrs on .50" choke , recovered 19 bbls water and 654 mcf. FTP 90#, SIP 220#.

Clean out from 3270-3288' with N2.

Landed 2.375" tubing at 3246'.

RDMOSU 11/11/96