

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE \*

(See other in-  
structions on  
reverse side)FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

COPY

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

## 1a. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ OTHER

## b. TYPE OF COMPLETION:

NEW WORK DEEP- DIFF.  
WELL ☐ OVER ☒ EN ☐ RESVR. ☒ OTHER

## 2. NAME OF OPERATOR

CONOCO INC.

## 3. ADDRESS OF OPERATOR

10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915-686-5424)

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) \*

At surface 850' FNL - 1800' FEL, UNIT B

At top prod. Interval reported below

At total depth

## 14. PERMIT NO.

## DATE ISSUED

## 12. COUNTY OR PARISH

## 13. STATE

RIO ARRIBA COUNTY

NM

## 15. DATE SPUDDED

5-31-94

## 16. DATE T.D. REACHED

6-12-94

## 17. DATE COMPL. (Ready to prod.)

10-1-94 8-27-94

## 18. ELEV. (DF, RKB, RT, GR, ETC) \*

6808' GR

## 19. ELEV. CASINGHEAD

## 20. TOTAL DEPTH, MD &amp; TVD

7679'

## 21. PLUG, BACK T.D. MD. &amp; TVD

7661'

## 22. IF MULTIPLE COMPL. HOW MANY \*

## 23. INTERVALS DRILLED BY

ROTARY CABLE

TOOLS ☒ TOOLS ☐

## 24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) \*

4059' - 4085' OTERO CHACRA

25. WAS DIRECTIONAL  
SURVEY MADE

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

GR/CCL

## 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 |
|-------------------|---------------|----------------|-----------|---------------------------------|---------------|
| 8-5/8"            | 24#           | 343            | 12-1/4"   | 269 SX 260                      |               |
| 4-1/2"            | 11.6/10.5#    | 7679           | 7-7/8"    | 1782 SX                         |               |

## 29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT * | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKET SET (MD) |
|------|----------|-------------|----------------|-------------|--------|----------------|-----------------|
|      |          |             |                |             | 2-3/8" | 4060' TEST     | 4160'           |
|      |          |             |                |             | 7305'  | 8348' FINAL    |                 |

## 31. PERFORATION RECORD (Interval, size and number)

SEE ATTACHED STIMULATION SUMMARY

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

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

RESERVE  
OCT 27 1997

## 33. \* PRODUCTION

|                                          |                         |                                                                                    |                             |                       |                       |                                               |                 |
|------------------------------------------|-------------------------|------------------------------------------------------------------------------------|-----------------------------|-----------------------|-----------------------|-----------------------------------------------|-----------------|
| DATE FIRST PRODUCTION<br>9-28-97 6-26-94 |                         | PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump)<br>FLOWING |                             |                       |                       | WELL STATUS (Producing or shut-in)<br>SHUT IN |                 |
| DATE OF TEST<br>9-28-97                  | HOURS TESTED<br>24 HRS  | CHOKE SIZE<br>3/4"                                                                 | PROD'N FOR TEST PERIOD<br>→ | OIL - BBL<br>0        | GAS - MCF<br>150 MCFD | WATER - BBL<br>2                              | GAS - OIL RATIO |
| FLOW. TUBING PRESS<br>35#                | CASING PRESSURE<br>160# | CALCULATED 24 - HR RATE<br>→                                                       | OIL - BBL<br>0              | GAS - MCF<br>150 MCFD | WATER - BBL<br>2      | OIL GRAVITY - API (CORR)                      |                 |

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

VENTED

## TEST WITNESSED BY

JUDSON VALDEZ/ CONOCO

## 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

Debra Bemenderfer

TITLE DEBRA BEMENDERFER, As Agent for Conoco Inc. DATE

| 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                 | MEAS. DEPTH | TRUE VERT. DEP. |
| NACIMENTO                                                                                                                                                                                                                                           | 550'  |        |                             |                      |             |                 |
| PICTURED CLIFFS                                                                                                                                                                                                                                     | 3164' |        |                             |                      |             |                 |
| CHACRA                                                                                                                                                                                                                                              | 4064' |        |                             |                      |             |                 |
| CLIFFHOUSE                                                                                                                                                                                                                                          | 4850' |        |                             |                      |             |                 |
| GALLUP                                                                                                                                                                                                                                              | 6470' |        |                             |                      |             |                 |
| SANASTEE                                                                                                                                                                                                                                            | 6980' |        |                             |                      |             |                 |
| GREENHORN                                                                                                                                                                                                                                           | 7280' |        |                             |                      |             |                 |
| GRANEROS                                                                                                                                                                                                                                            | 7340' |        |                             |                      |             |                 |
| DAKOTA                                                                                                                                                                                                                                              | 7365' |        |                             |                      |             |                 |

CONOCO INC.  
JICARILLA K #11E  
API # 30-039-25395  
SEC 2 - T25N - R05W UNIT LETTER "B"  
850' FSL - 1800' FEL  
ATTACHMENT FOR BLM 3160-4

Recompletion Summary of Otero Chacra/Blanco Mesa Verde Frac/Perf

09/20/97      MIRU

Set CIBP @ 6000', test casing and plug to 3000#, okay, run GR/CBL log from 6000' to 3600'. Showed TOC @ 4130', with 3 1/8" HSC Select Fire Gun perf Menefee w/ 14 holes @ 5152'-55'-58'-69'-71'-77'-81'-90'-93'-96'-99'-5328'-31'-5338'. Perf Point Lookout w/ 14 holes @ 5391'-97'-99'-5411'-20'-23'-26'-73'-75'-85'-5509'-5513'-15'-5550'. Spot 300 gals 15% HCl. Break point 1400#, ball out w/ 500 gal 15% HCl drop 50 ball sealers, 7.4 BPM/1010# RIH w/junk basket recovered 1 ball. Frac well w/ slick water 1% KCl, 69,000# 20/40 Brady sand, 6000# 20/40 SDC, Treating pressure min 2660#, max 2920# average 2800#, ISDP 1500#.

Set CIBP @ 4300', test casing and plug to 3000#; okay. RIH 3 1/8" HSC Select Fire Perf Gun as follows 2SPF, @ 4059'-60'-61'-62'-63'-64'-65'-66'-67'-68'-69'-70'-71'-72'-73'-74'-75'-76'-77'-78'-79'-80'-81'-82'-83'-84'-4085'. Break point 1500#, ball out w/ 300gals 15% HCl. Recovered all 50 balls. Frac w/ 20# Linaer gel 1% KCl, 12,346 gals 70% foam Mitchell. 60,340# 20/40 Brady, 6,140# 20/40 SDC Min. 2650#, max 2950#, Average 2800#. 10 BPM ISDP 2000#.

POOH 4020" 2-3/8" tubing sn mule shoe collar. RIH mill 6 drill collars, string float and tubing tag sand 4120' clean to 4195'. POOH tbg above top perf 4020. Mill out plug at 4300'. RIH w/ tbg tag sand at 5415', clean sand to 5345'. Pull mill up to 3900'.

RIH tubing tag fill 5435', start clean out to 5990'. Flow well to pit. Pull up mill above perms. POOH drill collars and mill. RIH SN and 2-3/8" tubing landed at 5348'

NDBOP, NUWH, RDMO.