

(August 1999)

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137

Expires: November 30, 2000

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
SF 078904 - A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

GALLAGOS CANYON UNIT 400F

9. API Well No.

3004526287

10. Field and Pool, or Exploratory

BASIN FRUITLAND COAL

11. Sec., T., R., M., on Block and Survey

SESE 25 28N 12W NMP

12. County or Parish

SAN JUAN

13. State

NM

17. Elevations (DF, RKB, RT, GL)\*

KB 5902

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr.  
Other2. Name of Operator  
AMOCO PRODUCTION COMPANY3. Address P.O. BOX 3092  
HOUSTON, TX 77079

3a. Phone No. (include area code)

281.366.4491

4. Location of Well (Report location clearly and in accordance with Federal requirements)

950FEL 850FNL

At Surface

At top prod. interval reported below

At total depth

14. Date Spudded  
01/13/198615. Date T.D. Reached  
01/21/1986

16. Date Completed

☐ D & A ☒ Ready to Prod.  
01/26/200118. Total Depth: MD 6469  
TVD19. Plug Back T.D.: MD 2000  
TVD20. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CR/CCL/CBL22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

## 23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12 250    | 9 625 J-55 | 36.000      |          | 350         |                      | 339                         |                   |             |               |
| 8 750     | 7 000 K-55 | 23.000      |          | 6463        |                      | 1537                        |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |

## 24. Tubing Record

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 1765           |                   |      |                |                   |      |                |                   |

## 25. Producing Intervals

| Formation         | Top  | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------------|------|--------|---------------------|------|-----------|--------------|
| A) FRUITLAND COAL | 1688 | 1742   | 1688 TO 1742        |      | 84        |              |
| B)                |      |        |                     |      |           |              |
| C)                |      |        |                     |      |           |              |
| D)                |      |        |                     |      |           |              |

## 26. Perforation Record

## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material                     |
|----------------|---|
| 1688 TO 1742   | 5261 40/70 A7 SAND & 71613 20/40 A7 SAND O FOAM |
|                |   |
|                |   |

## 28. Production - Interval A

| Date First Produced | Test Date         | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 01/25/2001          | 01/25/2001        | 12           | ▶               | 1.0     | 30.0    | 25.0      |                       |             | GAS PUMPING UNIT  |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 3/4                 | SI                | 48.0         | ▶               |         |         |           |                       | PGW         |                   |

## 28a. Production - Interval B

| Date First Produced | Test Date         | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method  |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|--------------------|
|                     |                   |              | ▶               |         |         |           |                       |             | INTERMITTENT RECON |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                    |
|                     | SI                |              | ▶               |         |         |           |                       |             | W 1 2001           |

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #2873 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

OFFICE

## 28b. Production - Interval C

| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

## 28c. Production - Interval D

| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

## 29. Disposition of Gas(Sold, used for fuel, vented, etc.)

OTHER

## 30. Summary of Porous Zones (Include Aquifers):

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.

## 31. Formation (Log) Markers

| Formation      | Top  | Bottom | Descriptions, Contents, etc. | Name  | Top<br>Meas. Depth  |
|----------------|------|--------|------------------------------|---|---|
| FRUITLAND COAL | 1688 | 1742   |                              | OJO ALAMO<br>FRUITLAND<br>PICTURED CLIFFS<br>CLIFFHOUSE<br>MENELEE<br>POINT LOOKOUT<br>GALLUP<br>DAKOTA | 560<br>1478<br>1746<br>3294<br>3424<br>4202<br>5368<br>6256 |

## 32. Additional remarks (include plugging procedure):

Well recompleted from the Basin Dakota Pool. Please see attached for daily recompletion activity subsequent reports.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #2873 Verified by the BLM Well Information System for AMOCO PRODUCTION COMPANY.**

**Sent to the Farmington Field Office. Committed to AFMSS for processing by Maurice Johnson on 01/26/2001**

Name(please print) MARY CORLEYTitle AUTHORIZED REPRESENTATIVE

Signature \_\_\_\_\_

Date 03/09/2001

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

GALLEGOS CANYON UNIT 400E  
RECOMPLETION SUBSEQUENT REPORT  
03/09/2001

01/16/2001 MIRUSU. 18:30 HRS.

01/17/2001 NDWH & NU BOPs. TOH w/TBG. SDFN.

01/18/2001 RU & TIH W/CIBP. CIBP stuck @ 5465'. Notified Steve Mason W/BLM & obtained permission to use this plug @ 5465' as Dakota & Gallup combined plug depth. Loaded hole w/2% KcL water. Pressure tested to 500#. Held Ok. RU & spot CMT plug from 5465' to 5215' W/47 SXS CLS B NEAT CMT. TOH to 3237' & attempted to spot CMT plug to isolated Mesaverde - pumped 4 BBLS CMT & balance @ 3237'. Witness by Herman Lujan W/BLM. PU to 2300' & SDFN.

01/19/2001 TIH & tag CMT @ 3120' (117' of plug). Mix & SPOT 28 SXS CMT plug from 3120' to 2970' & balanced. TOH. Displaced hole w/2% KcL @ 2000'. TOH. RU & TIH & set CIBP @ 2000'. New PDTB for Fruitland. RU & run CR/CCL/CBL Log w/o and W/500PSI. Tested CIBP & CSG Plug to 2,000#. Held Ok. RU & Perf Fruitland Coal follows w/4 JSPF, 0.410 inch diameter, total shots 84:

1688' - 1692': 1723' - 1737'; 1739' - 1742'

01/22/2001 RU & Frac 500 GALS of 15% HCL, 18852 GALS H2O, 469 MSCF N2 70%, 5261# 40/70 Arizona Sand & 71613# 20/40 Arizona Sand, 17957# PRONET & displaced W/60 Q Foam. RU Flow back tree. Installed  $\frac{1}{4}$ " choke - after 4 hrs. upsized choke to  $\frac{3}{4}$ " & flowed back frac to pit overnight.

01/23/2001 Flowed well thru  $\frac{3}{4}$ " choke for 9 hrs. TIH & tag sand @ 1977'. PU above perfs & SDFN.

01/24/2001 RU, TIH & tag fill @ 1940'. Circ hole clean to the PBTD @ 2000'. PU above perfs & flowback well thru  $\frac{1}{4}$ " choke.

01/25/2001 TIH & tag & C/O 5' of sand. RU & test well on  $\frac{3}{4}$ " choke 8 hrs. 30 MCF gas, 25 BBLS WTR, Trace gas. SDFN.

01/26/2001 TIH W/production TBG & land @ 1765'. ND BOP & NU WH. Pull TBG plug. RU & run beam pump & rods. Test TBG to 500#. Test OK. RDMOSU. Rig released @ 17:30 hrs.