

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

SF-077382

6. IF INDIAN, ALIOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
R.P. Hargrave B #2

9. API WELL NO.

30-045-21057

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 4, T27N-R10W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☒ DIFF. REMOV. ☐ Other Recompletion

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

Atten. J.L. Hampton

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 800, Denver, CO 80201

830-5025

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

At surface 1520' FSL, 1610' FWL Unit K

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

OIL CON. DIV

15. DATE SPUDDED

10/26/72

16. DATE T.D. REACHED

8/13/92

17. DATE COMPL. (Ready to prod.)

6027' GR

20. TOTAL DEPTH, MD & TVD

2090

21. PLUG BACK T.D., MD & TVD

1988

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVAL UNILLED BY

ROTARY TOOLS

0-TD

CABLE TOOLS

No

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

Fruitland Coal 1772' - 1945'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR/CCL

27. WAS WELL CORRED

No

29. 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"	23#	205	12 1/4"	200 sx	0
4 1/2"	9.5#	2053	7 7/8"	525 sx	0

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	1842	

31. PERFORATION RECORD (Interval, size and number)

(SEE ATTACHED)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1950'-1974'	Cmt squeeze P. Cliffs 250 sx Clb (attached)
1772'-1945'	Frac Fruitland Coal (attached)

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12/26/91		Flowing				SI w/o 1st delivery	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/13/92	24	.5	→	0	18	0	
FLOWING TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
180 SI	185 SI	→	0	18	0		
34. DISPOSITION OF GAS (Bold, need for incl. vented, etc.)						TEST WITNESSED BY	

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

To Be Sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD

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

SIGNED

J.L. Hampton

TITLE

Sr. Staff Admin. Supr.

DATE

8/25/92
AUG 28 1992

*(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, or to furnish any information in any matter within the jurisdiction of such department or agency, which he knows to be false, fictitious or fraudulent.

FORMATION

GEOLOGIC MARKERS

FORMATION

AMOCO PLUGGED OFF THE PICTURED CLIFFS FORMATION AND RECOMPLETED TO THE FRUITLAND COAL FORMATION AS FOLLOWS:

SET PACKER @ 1785'

CEMENT SQUEEZE PICTURED CLIFFS PERFS WITH 250 SX CLASS B @ 2 BPM, 90 TO 540 PSI. CLEARED PACKER BY 1 BBL. UNSET PACKER AND REVERSED OUT CEMENT. DRILLED OUT CEMENT. PRESSURE TESTED TO 2000 PSI. HELD.

PERFORATE FRUITLAND COAL:

1772'-1788' W/8 JSPF, .31 INCH DIAMETER, 128 SHOTS, CLOSED
1804'-1806' W/8 JSPF, .31 INCH DIAMETER, 16 SHOTS, CLOSED
1811'-1813' W/8 JSPF, .31 INCH DIAMETER, 16 SHOTS, CLOSED
1820'-1825' W/8 JSPF, .31 INCH DIAMETER, 40 SHOTS, CLOSED
1877'-1833' W/8 JSPF, .31 INCH DIAMETER, 48 SHOTS, CLOSED
1925'-1945' W/8 JSPF, .31 INCH DIAMETER, 180 SHOTS, CLOSED

FRAC THE FRUITLAND COAL:

103,000 GAL. SLICK WATER

ATTEMPTED PUMPING 40/70 SAND. ABORTED DUE TO HIGH PRESSURE. CLEANED WELL BORE @ 27 BPM, 3300 PSI. BLED WELL BACK TO STEEL PIT. FLOW BACK 100 BBLs BEFORE DYING OFF. SI.

CLEANED OUT TO BP @ 1946. TIH AND SET PACKER @ 1912'. PUMPED 500 GAL 15% HCL ACID INTO PERFS FROM 1925'-1945'. STRADDLED PERFS 1877'-1883' WITH PACKER AND RBP. PUMPED 250 GAL 15% HCL. STRADDLED 1804'-1825'. PUMPED 250 GAL HCL. STRADDLED 1772'-1788'. PUMPED 500 GAL HCL.

ATTEMPTED RE-FRAC. PUMPED 136,000 GAL SLICK WATER. STARTED PUMPING 40/70 SAND. FORMATION LICKED UP. SI.

CLEANED OUT TO BP. @ 1946. CIRCULATED HOLE CLEAN. SWABBED WELL.

RE-PERF FRUITLAND COAL:

1772'-1788' W/8 JSPF, .31 INCH DIAMETER, 128 SHOTS, CLOSED
1804'-1806' W/8 JSPF, .31 INCH DIAMETER, 16 SHOTS, CLOSED
1811'-1813' W/8 JSPF, .31 INCH DIAMETER, 16 SHOTS, CLOSED
1820'-1825' W/8 JSPF, .31 INCH DIAMETER, 40 SHOTS, CLOSED
1877'-1833' W/8 JSPF, .31 INCH DIAMETER, 48 SHOTS, CLOSED
1925'-1945' W/8 JSPF, .31 INCH DIAMETER, 180 SHOTS, CLOSED
BROKE DOWN PERFS WITH FRESH WATER.

RE-FRAC FRUITLAND COAL WITH:

LOADED HOLE WITH 105 GAL SLICK WATER. PUMPED 157,500 GAL SLICK WATER.

173,000# 20/40 SAND

AIP 2170 PSI, AIR 80 BPM.