

(October 1990)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

(See other instructions on reverse side)

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

**1. TYPE OF WELL:** OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_  
**2. TYPE OF COMPLETION:** NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☒ Other Add. Resvr. ☐

**2. NAME OF OPERATOR**  
Amoco Production Company Attn: John Hampton

**3. ADDRESS AND TELEPHONE NO.**  
P.O. Box 800, Denver, Colorado 80201

**4. LOCATION OF WELL (Report location clearly and in accordance with BLM Form 1000-101)**  
At surface 850' FNL, 990' FEL  
At top prod. interval reported below  
At total depth \_\_\_\_\_

**RECEIVED**  
SEP 12 1991  
OIL CON. DIV.  
DIST. 3

5. LEASE DESIGNATION AND SERIAL NO.

SF-078040

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Mudge 4R

9. API WELL NO.

30 045 11877

10. FIELD AND POOL, OR WILDCAT

Blanco (Mesaverde)/Chacra

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

Sec. 1, T31N-R11W

12. COUNTY OR PARISH  
San Juan13. STATE  
New Mexico

15. DATE SPUDDED 11/19/66 16. DATE T.D. REACHED 12/4/66 17. DATE COMPL. (Ready to prod.) 11/17/87 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6041' GL 19. ELEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD 5400' 21. PLUG, BACK T.D., MD & TVD 5385' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

4303'-4576' (MV) existing perf 4626'-5370' (MV) new perfs 3930'-4140' (Chacra) 25. WAS DIRECTIONAL SURVEY MADE n0

26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL 27. WAS WELL CORRD n0

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
9 5/8"	32.30#	209' 196	13 3/4"	130 SXS	0
7"	20	3080'	8 3/4"	180 SXS	0

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	2973'	5400'	240		2 3/8"	5251'	

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
See Attached				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
				see attached	

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/17/87	8	.75		0	279	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
50	133		0	839	0		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold TEST WITNESSED BY

35. LIST OF ATTACHMENTS  
Perf and Frac info.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED John Hampton TITLE Sr. Staff Admin. Supv DATE 8/6/91

\*(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
				Ojo Alamo	1580'	
				Kirtland	1743'	
				Fruitland	2370'	
				Pictured Cliff	2808'	
				Cliff House	4528'	
				Menefee	4662'	
				Point Lookout	5010'	

Perf and Frac Mesaverde; 4626'-4630', 4638'-4646', 4654'-4664', W/16 SPZ, 5066'-5078', 5092'-5098', 5107'-5113', 5152'-5162', 5179'-5183', 5240'-5244', 5366'-5370', W/16 SPZ.

Frac: 4626'-4664', 35,868 gal wtr., 32,000# sand, 5066'-5370', 63,630 gal wtr, 60,000# sand 300 gal acid.

Perf and Frac Mesaverde; Perf MV W/2 JSPF from 4303'-4313', 4330'-4334', 4359'-4361', 4406'-4410', 4442'-4450', 4493'-4496', 4528'-4532', 4540'-4542', 4546'-4554', 4568'-4576', 52' 104 holes, RIH w/4 1/2" PKR, PKR set at 3050', acidize w/1300gal 15% HCL and 135 1.1 SG ball sealer AIR 8 BPM, AIP 1800psi. Frac down csg w/68210 gal 1% KCL w/friction reducer and 77500# 20/40 sn AIR 86 BPM, AIP 2100psi. Perf Chacra; perf chacra w/2 JSPF from 3930'-3990', 4020'-4045', 4075'-4095', 4105'-4115', 4130'-4140', 125', 250 holes. RIH w/tbg and 4 1/2" PKR set pkr @ 3050'. Acidize w/2000 gal 15% weighted HCL and 325 1.1 SG ball sealer. AIR 9 BPM, AIP 1300psi. Released PKR. Frac down casing w/31354 gal 1% KCL & slick water, 63500# 20/40 sn, AIR 96 BPM, AIP 1320psi., well screened out.