

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

(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 ☐

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1080 FNL 810 FWL
At top prod. interval reported below
At total depth

RECEIVED
JUL 18 1994
OIL CON. DIV.

14. PERMIT NO. **DIS 18**

5. LEASE DESIGNATION AND SERIAL NO.
SF-078496

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
SAN JUAN 28-7 UNIT *mv/*

8. FARM OR LEASE NAME, WELL NO.
#181M

9. API WELL NO.
3003925355

10. FIELD AND POOL, OR WILDCAT
BLANCO MESAVERDE

11. SEC., T., R., M., OR BLOCK, AND SURVEY OR AREA
Section 3
Township 27N Range TW

12. COUNTY OR PARISH
RIO ARRIBA

13. STATE
NM

15. DATE SPUDDED 03/22/94 16. DATE T.D. REACHED 03/31/94 17. DATE COMPL. (Ready to prod.) 04/19/94 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6799' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 7875 21. PLUG, BACK T.D., MD & TVD 7808 22. IF MULTIPLE COMPL., HOW MANY* TWO 23. INTERVALS DRILLED BY ROTARY TOOLS YES CABLE TOOLS NO

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 5029-5879 SEE ATTACHED DETAIL *Mesa Verde* 25. WAS DIRECTIONAL SURVEY MADE YES

26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, VDL, GR, CCL 27. WAS WELL CORED N

28. CASING RECORD (Report all strings set in well)						AMOUNT PULLED
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD		
11.75 H40	42	423	14.75	300SX CL B		
8.625 J55	32	3606	10.625	310SX CL B; 470 SX HALLIBURTON LIGHT		
5.5 N80	17	7875	7.875	960 SX 50/60 POZ "A"		

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/4"	5864	6056

31. PERFORATION RECORD (Interval, size and number)
5708, 5859, 5709, 5860, 5710, 5878, 5818, 5879W/ 3- 1/8" GUN W/1 SPF, 19.5 GRAM CHG W/ .45" HOLE. 5029-5033, 5044-5054, 5059-5065, 5070-5078, 5086-5090, 5094-5103, 5118-5120, 5126-5146, 5266-5270, 5414-5424, 5447-5450 W/3-1/8" GUN W/ 2 SPF 19.5" GRAM CHG W/ .45" HOLE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
5029 5450 150M# 16/30 BRADY SD
30M# RESIN 16/30
TOT N2 1,688,051 SCF
SEE ATTACHED *ADD'L FRAC*

33.* PRODUCTION
DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) FLOWING
DATE OF TEST 06 22 1994 HOURS TESTED 24 CHOKE SIZE SEPERATOR PROD'N FOR TEST PERIOD OIL - BBL. GAS - MCF. WATER - BBL. GAS-OIL RATIO
FLOW TUBING PRESS 300 CASING PRESSURE 560 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

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
SIGNED *A Wayne Branam* TITLE BUSINESS ANALYST DATE 06-27-1994

*(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.

NM000

BY

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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):

San Juan 28-7 Unit Well #181 /M/ API # 30039253550

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38.	GEOLOGIC MARKERS		
	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
	Ojo A	2500	
	Kirtland	2663	
	Fruitland	3068	
	Pictured Cliffs	3380	
	Lewis	3530	
	Cliffhouse	5020	
	Menefee	5146	
	Pt. Lookout	5613	
	Mancos	6013	
	Gallup	6785	
	Greenhorn	7517	
	Graneros	7580	
	Dakota	7600	

**SAN JUAN 28-7 UNIT #181M
COMPLETION REPORT ATTACHMENT**

DAKOTA PERF

7615, 7631, 7641, 7736, 7742, 7770, 7794, 7815, 7820, 7840 USING 3-1/8" GUN W/ 1 SPF, 16 GRAM CHG W/ .38" HOLE

MESAVERDE (POINT LOOKOUT) PERF

5708, 5859, 5709, 5860, 5710, 5878, 5818, 5879 USING 3-1/8" GUN W/ 1 SPF, 19.5 GRAM CHG W/ .45" HOLE

MESAVERDE (CLIFFHOUSE AND MENELEE) PERF

5029-5033, 5044-5054, 5059-5065, 5070-5078, 5086-5090, 5094-5103, 5118-5120, 5126-5146, 5266-5270, 5414-5424, 5447-5450 USING 3-1/8" GUN W/ 2 SPF, 19.5 GRAM CHG, W/ .45" HOLE

DAKOTA FRAC

STAGE ONE

PMP 200 BBLS CLEAN FLUID; AVE PRESS 4990 PSI; AVE FOAM RATE 25.2 BPM; USED 485236 SCF N2.

STAGE TWO

PMP 70 BBLS CLEAN FLUID; 1 PPG 20/40 OTTAWA SAND; AVE PRESS 4990 PSI; AVE FOAM RATE 24.3 BPM; USED 279893 SCF N2.

STAGE THREE

PMP 90 BBLS CLEAN FLUID; 2 PPG 20/40 OTTAWA SAND; AVE PRESS 4580 PSI; AVE FOAM RATE 25.1 BPM; USED 328187 SCF N2.

STAGE FOUR

PMP 92 BBLS CLEAN FLUID; 2-1/2 PPG 20/40 OTTAWA SAND; AVE PRESS 4532 PSI; AVE FOAM RATE 26.2 BPM; USED 325183 SCF N2.

STAGE FIVE

PMP 94 BBLS CLEAN FLUID; 3 PPG 20/40 OTTAWA SAND; AVE PRESS 4368 PSI; AVE FOAM RATE 24.9 BPM; USED 326664 SCF N2.

STAGE SIX

PMP 77 BBLS CLEAN FLUID; 4 PPG 20/40 OTTAWA SAND; AVE PRESS 4317 PSI; AVE FOAM RATE 24.7 BPM; USED 249785 SCF N2.

STAGE SEVEN

PMP 61 BBLS CLEAN FLUID; 5 PPG 20/40 OTTAWA + ACTIVATOR; AVE PRESS 4100 PSI; AVE FOAM RATE 24.6 BPM; USED 203514 SCF N2.

STAGE SEVEN (FOAM FLUSH)

PMP 92 BBLS CLEAN FLUID; AVE PRESS 4240 PSI; AVE FOAM RATE 26 BPM; USED 163581 SCF N2.

SUMMARY

AVE PRESS 4322 PSI; AVE FOAM RATE 23.86 BPM; CLEAN VOL 780 BBLS; HOLD 1000 PSI ON INTERMEDIATE CSG; USED 2,362,953 SCF N2; SAND IN FORMATION 161,000 # 20/40 OTTAWA ISIP 3850 PSI.

MESAVERDE (POINT LOOKOUT) FRAC

STAGE ONE

PMP 138 BBLS CLEAN FLUID; AVE PRESS 907 PSI; AVE FOAM RATE 49.5 BPM; USED 147318 SCF N2.

STAGE TWO

1 PPG 12/20 BRADY SAND; PMP 77 BBLS CLEAN FLUID; AVE PRESS 2059 PSI; AVE FOAM RATE 58 BPM; USED 167648 SCF N2.

STAGE THREE

2 PPG 12/20 BRADY SAND; PMP 82 BBLS CLEAN FLUID; AVE PRESS 1805 PSI; AVE FOAM RATE 53.5 BPM; USED 134221 SCF N2.

STAGE FOUR

3 PPG 12/20 BRADY SAND; PMP 89 BBLS CLEAN FLUID; AVE PRESS 1764 PSI; AVE FOAM RATE 55 BPM; USED 125671 SCF N2.

STAGE FIVE

4 PPG 12/20 BRADY SAND; PMP 109 BBLS CLEAN FLUID; AVE PRESS 1853 PSI; AVE FOAM RATE 55.6 BPM; USED 175001 SCF N2.

STAGE SIX

5 PPG 12/20 BRADY SAND; PMP 54 BBLS CLEAN FLUID; AVE PRESS 1935 PSI; AVE FOAM RATE 57 BPM; USED 88843 SCF N2.

STAGE SEVEN

PMP 128 BBLS CLEAN FLUID; AVE PRESS 1121 PSI; AVE RATE 41 BPM.

SUMMARY

AVE PRESS 1455 PSI; AVE FOAM RATE 48.8 BPM; SAND IN FORMATION 150,000# 12/20 BRADY; CLEAN FLUID VOL 971 BBLS; USED 841,435 SCF N2.

MESAVERDE (CLIFFHOUSE AND MENESEE) FRAC

STAGE ONE

PMP 193 BBLS CLEAN FLUID; AVE PRESS 1861 PSI; AVE FOAM RATE 52.2 BPM; USED 295182 SCF N2.

STAGE TWO

1 PPG 16/30 BRADY SAND; AVE PRESS 2820 PSI; PMP 96 BBLS CLEAN FLUID; AVE FOAM RATE 61.4 BPM; USED 236322 SCF N2.

STAGE THREE

2 PPG 16/30 BRADY SAND; AVE PRESS 2878 PSI; PMP 102 BBLS CLEAN FLUID; AVE FOAM RATE 64 BPM, USED 238788 SCF N2.

STAGE FOUR

3 PPG 16/30 BRADY SAND; AVE PRESS 2942 PSI; PMP 107 BBLS CLEAN FLUID; AVE FOAM RATE 65 BPM; USED 249450 SCF N2.

STAGE FIVE

4 PPG 16/30 BRADY SAND; AVE PRESS 3023 PSI; PMP 112 BBLS CLEAN FLUID; AVE FOAM RATE 65 BPM; USED 268921 SCF N2.

STAGE SIX

5 PPG 16/30 BRADY SAND; AVE PRESS 31111 PSI; PMP 67 BBLs CLEAN FLUID; AVE FOAM RATE 66 BPM; USED 1631181 SCF N2.

STAGE SEVEN

(FOAM FLUSH) AVE PRESS 3070 PSI; PMP 52 BBLs CLEAN FLUID; AVE FOAM RATE 66 BPM; USED 76068 SCF N2.

SUMMARY

AVE PRESS 2641 PSI; AVE FOAM RATE 59.6 BPM; SAND IN FORMATION 180,000# 16/30 BRADY SAND; LAST 30,000# RESIN 16/30; 905 BBLs CLEAN FLUID; TOTAL N2 1,688,091 SCF; ISIP 2360 PSI;

CASING RECORD

CASING SIZE/GRADE	WEIGHT	DEPTH SET	HOLE SIZE	CEMENT RECORD
11.75", H40	42#	425	14.75"	300SX CL B, W/ 2% CACL2, .25# FLOCELE
8.625", J55	32#	3228	10.625"	STAGE ONE 210SX CL B, W/ 4% HALAD-344, .4% CFR-3, 2% MICROBOND, 5#
8.625", J55	24#			STAGE TWO GILSONITE, .25# FLOCELE 470SX HALLIBURTON LIGHT W/7# SALT, 5% CALSEAL, 2% MICROBOND, .375# FLOCELE STAGE THREE 100SX CL B W/ .4% HALAD- 344, .4% CFR-3, 2% MICRO- BOND, 5# GILSONITE, .25# FLOCELE
5.5" N80	17#	7875	7.875"	950SX 50/50 POZ "A", W/ 2% GEL, 5# GILSONITE, 5% MICROBOND, .2% VERA- SET, .6% HALAD-344, .3% SCR-100, .25SX FLOCELE

DOCUMENT COMP181M