

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(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 ☐ MIT 56
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☒ OTHER ☐ Recompletion

2. NAME OF OPERATOR
Amoco Production Company
Attention: Dallas Kalahar

3. ADDRESS AND TELEPHONE NO.
P.O. Box 800, Denver, Colorado 80201 (303) 830-5129

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 990' FNL 1090' FEL UNIT A NE/4 - NE/4

At top prod. interval reported below

At total depth

5. LEASE DESIGNATION AND SERIAL NO.
SF-078096
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME, WELL NO.
Mudge B #19
9. API WELL NO.
3004510792
10. FIELD AND POOL, OR WILDCAT
Blanco Mesaverde
11. SEC., T., R., M., OR BLOCK, AND SURVEY OR AREA
Section 21
Township 31N Range 11W

14. PERMIT NO. DATE ISSUED 12. COUNTY OR PARISH San Juan 13. STATE New Mexico

15. DATE SPUDDED 10/03/94 16. DATE T.D. REACHED 10/24/94 17. DATE COMPL. (Ready to prod.) 10/24/94 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6118 GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 7663' 21. PLUG, BACK T.D., MD & TVD CIBP @ 5040' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 4861' to 5000' Blanco Mesaverde 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, Neutron and Cement Bond, 27. WAS WELL CORED N

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	
10 3/4 H-40	32.75#	210'	15"	200 Sacks to surface		
7 5/8 J-55	26.4#	2696'	9 7/8"	200 Sacks w/4% gel		
5 1/2 J-55	17.0#	7653	6 3/4"	150 sacks 50/50 posmix & 4% gel		

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2 3/8	4955	

31. PERFORATION RECORD (Interval size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
See Attachments (4)				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
					See Attachments (4)
					SFF

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or shut-in)	
10 21 1994		Flowing				SI waiting on 1st delivery	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
10 21 1994	63	1/2"		0	1.5 mmcf	2	0
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
225	435		0	1.5 mmcf			

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 Dallas Kalahar TITLE BUSINESS ANALYST DATE NOV 1 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.

AMCO

Amoco Production Company

Page 15

Fracturing Report

Print Date
10/26/94

Well Name: MUDGE /B/

Well Number: 019A17

Work Activity Number: 232

Job Start Date: 10/12/94

Primary Service Company Name: Halliburton

Job End Date: 10/12/94

Job Field Estimated Cost: \$46,473

Fracture Type: Wedge
Total Oil Volume: BBLS.

Tubing OD: 5.5 IN.
Total Water Volume: 617 BBLS.

Screen Out: n

Interval: 1

Top Depth: 4,861 FT.
Bottom Detph: 5,000 FT.

Packer Depth: FT.
RBP Depth: 5,040 FT.

Stage Type	Fluid Type	Fluid Volume (BBLS)	Prop Size	Prop Conc. (PPG)	Prop Amt. (LBS.)	Nitrogen Volume (SCF)	CO2 Volume (Tons)	Gel Strgth	Acid Strgth	Foam Quality (%)	Proppant Type
Pad	Foam	97				159,853				70	(n/a)
Frac. Fluid	Foam	74	16/30	1.0	9,638	97,526				70	Sand
Frac. Fluid	Foam	98	16/30	2.1	24,973	118,760				70	Sand
Frac. Fluid	Foam	135	16/30	2.5	42,277	168,724				70	Sand
Frac. Fluid	Foam	111	16/30	3.2	41,104	120,849				70	Sand
Frac. Fluid	Foam	51	16/30	3.4	21,151	64,321				70	Sand (Resin Coated)
Flush	Foam	48		0.3	1,098	38,447				55	

Stage PSI

Breakdown PSI:	2,013 PSI	ISIP:	1,180 PSI	Max PSI:	2,050 PSI
Breakdown Vol:	BBLS.	SI 5 Min:	849 PSI	Max Rate:	81.5 BPM
Breakdown Rate:	39.0 BPM	SI 10 Min:	746 PSI		
		SI 15 Min:	670 PSI		

Job Comments:

Frac mv point lookout perfs interval 4861-5000 avg rate 76 bottom hole