

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(See other in-  
structions 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 ☒ 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 1450' FSL 1190' FWL

UNIT L NW/4 SW/4

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR  
PARISH  
San Juan

13. STATE  
New Mexico

15. DATE SPURRED  
06/27/61

16. DATE T.D. REACHED  
07/15/61

17. DATE COMPL. (Ready to prod.)  
11/08/94

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
5931 GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD  
7225' ✓

21. PLUG, BACK T.D., MD & TVD  
7200'

22. IF MULTIPLE COMPL.  
HOW MANY\*

23. INTERVALS  
DRILLED BY

ROTARY TOOLS  
YES

CABLE TOOLS  
NO

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

4773' - 5054'

Blanco Mesaverde

25. WAS DIRECTIONAL  
SURVEY MADE  
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Neutron (CNL), 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" J-55	32.75#	278' 292	15"	220 ax	
7-5/8" J55	25.4#	2689' 2701	9-7/8"	300' ax w/4% gel 350	
4-1/2" J-55	9.5, 10.5, 11.6#	7214' 7225	6-1/4"	410 ax	
2-3/8" J-55	4.7#	7147' 5041			

29. LINER RECORD

30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size, etc.)

See Attachment

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

33.\*

PRODUCTION

DATE FIRST PRODUCTION  
11 07 1994

PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)  
Flowing

WELL STATUS (Producing or  
shut-in)  
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
11 07 1994	64 Hrs	1/2"		0	2000 MCF	12	0
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
305	405		0	2000	12	N/A	

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

To be sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Perforating Report, Fracturing Report

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

SIGNED

Dallas Kalahar

TITLE

Stf Business Analyst

DATE

11-17-94

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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
				Cliff House	4122	
				Menelee	4200	
				Point Lookout	4823	
				Mancos	4848	
				Gallup	6082	
				Greenhorn	6788	
				Graneros	6840	
				Dakota	6866	
				Morrison	7164	

# Amoco Production Company

## Perforating Report

Print Date

11/15/94

Well Name: MUDGE /B/ /DK/

Well Number: 026L21

Work Activity Number: 300

Job Start Date: 11/1/94

Primary Service Company Name: HLS Logging

Job End Date: 11/1/94

Job Field Estimated Cost:

### Interval 1

Perforated Top Depth: 4,773 FT  
Perforated Bottom Depth: 4,793 FT  
Shots Per Foot: 2  
Perforation Diameter: 0.340 IN  
Total Shots Fired: 40

Gun Type: Retrievable, Hollow Steel  
Gun Size: 3.125 IN  
Phasing Degrees: 120 DEG  
Charge Type: Deep Penetrator  
Charge Weight: 12 GMS  
Overbalance Pressure: 2,200 PSI

### Interval 2

Perforated Top Depth: 4,807 FT  
Perforated Bottom Depth: 4,841 FT  
Shots Per Foot: 2  
Perforation Diameter: 0.340 IN  
Total Shots Fired: 68

Gun Type: Retrievable, Hollow Steel  
Gun Size: 3.125 IN  
Phasing Degrees: 120 DEG  
Charge Type: Deep Penetrator  
Charge Weight: 12 GMS  
Overbalance Pressure: 2,200 PSI

### Interval 3

Perforated Top Depth: 4,853 FT  
Perforated Bottom Depth: 4,865 FT  
Shots Per Foot: 2  
Perforation Diameter: 0.340 IN  
Total Shots Fired: 24

Gun Type: Retrievable, Hollow Steel  
Gun Size: 3.125 IN  
Phasing Degrees: 120 DEG  
Charge Type: Deep Penetrator  
Charge Weight: 12 GMS  
Overbalance Pressure: 2,200 PSI

### Interval 4

Perforated Top Depth: 4,869 FT  
Perforated Bottom Depth: 4,893 FT  
Shots Per Foot: 2  
Perforation Diameter: 0.340 IN  
Total Shots Fired: 48

Gun Type: Retrievable, Hollow Steel  
Gun Size: 3.125 IN  
Phasing Degrees: 120 DEG  
Charge Type: Deep Penetrator  
Charge Weight: 12 GMS  
Overbalance Pressure: 2,200 PSI

### Interval 5

Perforated Top Depth: 4,902 FT  
Perforated Bottom Depth: 4,905 FT  
Shots Per Foot: 2  
Perforation Diameter: 0.340 IN  
Total Shots Fired: 48

Gun Type: Retrievable, Hollow Steel  
Gun Size: 3.125 IN  
Phasing Degrees: 120 DEG  
Charge Type: Deep Penetrator  
Charge Weight: 12 GMS  
Overbalance Pressure: 2,200 PSI

# Amoco Production Company

## Perforating Report

Print Date

11/15/94

### Interval 6

Perforated Top Depth: 4,933 FT  
Perforated Bottom Depth: 4,938 FT  
Shots Per Foot: 2  
Perforation Diameter: 0.340 IN  
Total Shots Fired: 10

Gun Type: Retrievable, Hollow Steel  
Gun Size: 3.125 IN  
Phasing Degrees: 120 DEG  
Charge Type: Deep Penetrator  
Charge Weight: 12 GMS  
Overbalance Pressure: 2,200 PSI

### Interval 7

Perforated Top Depth: 5,042 FT  
Perforated Bottom Depth: 5,054 FT  
Shots Per Foot: 2  
Perforation Diameter: 0.340 IN  
Total Shots Fired: 24

Gun Type: Retrievable, Hollow Steel  
Gun Size: 3.125 IN  
Phasing Degrees: 120 DEG  
Charge Type: Deep Penetrator  
Charge Weight: 12 GMS  
Overbalance Pressure: 2,200 PSI

# Amoco Production Company

## Fracturing Report

Print Date  
11/15/94

Well Name: MUDGE /B/ /DK/

Well Number: 026L21

Job Start Date: 11/2/94

Work Activity Number: 300

Primary Service Company Name: HES Frac

Job End Date: 11/2/94

Job Field Estimated Cost:

Fracture Type: Wedge  
Total Oil Volume: BBLS.

Tubing OD: 4.5 IN.  
Total Water Volume: 862 BBLS.

Screen Out:

Interval: 1

Top Depth: 4,773 FT.  
Bottom Detph: 5,054 FT.

Packer Depth: FT.  
RBP Depth: 6,800 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	241				354,607		35		70	(n/a)
Frac. Fluid	Foam	151	16/30	1.1	17,600	196,088		35		70	Sand
Frac. Fluid	Foam	193	16/30	2.4	50,000	207,744		35		70	Sand
Frac. Fluid	Foam	160	16/30	3.6	61,000	212,304		35		70	Sand
Frac. Fluid	Foam	46	16/30	4.3	21,000	67,802		35		70	Sand
Displacement	Foam	71				75,407		35		70	

### Stage PSI

Breakdown PSI:	2,500 PSI	ISIP:	2,580 PSI	Max PSI:	2,845 PSI
Breakdown Vol:	BBLS.	SI 5 Min:	1,324 PSI	Max Rate:	88.0 BPM
Breakdown Rate:	88.0 BPM	SI 10 Min:	1,274 PSI		
		SI 15 Min:	1,228 PSI		

### Job Comments:

avg rate = 66 bpm down hole