

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

NMSF-076337

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

W. D. Heath B #3E

9. API WELL NO.

3004524381

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

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

Section 31-T30N-R9W

12. COUNTY OR  
PARISH

San Juan

13. STATE

New Mexico

## 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.  
RENR. ☒Other ☐

Recompletion

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS AND TELEPHONE NO.

P. O. Box 800, Denver, Colorado 80201 (303) 830-6157

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

At surface 1820' FNL 990' FEL

At top prod. interval reported below 900'

Unit H

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

10/11/80

16. DATE T.D. REACHED

10/23/80

17. DATE COMPL. (Ready to prod.)

12/17/97

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

5854' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

7043'

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

7004'

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)\*

Blanco Mesaverde 4054'-4862'

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
CBL27. WAS WELL CORRED  
No

## 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
9-5/8"	32.3#	310'	13-1/2"	300 sxs	
7"	20.0#	2817'	8-3/4"	510 sxs	
4-1/2"	10.5#	7068'	6-1/8"	490 sxs	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2.375"	6832'	

## 31. PERFORATION RECORD (Interval, size and number)

4735-4862' w/1 jspf, .340 inch diameter,  
total 14 shots fired  
4054'-4200' w/1 jspf, .380 inch diameter,  
total 15 shots fired

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4735'-4862'	34,499# 16/30 Arizona Sand
4054'-4200'	333,000# 16/30 Arizona Sand

## 33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
	Flowing	Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/15/97	68 hrs	3/4"		Trace	935 mcf	0	

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
38#	205#				

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

To Be Sold

FEB - 3 1998

ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS

OIL CON. DIV.

JAN 30 1998

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

SIGNED

Keith W. Jefferson

TITLE

DIST. 3

Sr. Admin. Staff Asst.

FARMINGTON DISTRICT OFFICE

\*(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.

NMOCOD

### 38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	1330	1350	Shaley sand			
Fruitland	2160	2434	Shaley sand			
Pictured Cliffs	2434	2494	Shaley sand			
Lewis Shale	2494	4045	Shale			
Mesaverde	4045	4785	Shaley sand			
Mancos Shale	4785	5935	Shale			
Gallup	5935	6230	Shaley sand			
Mancos Shale	6230	6680	Shale			
Greenhorn	6680	6740	Shaley Limestone			
Graneros Dakota	6772	6810	Shaley sand			
Main Dakota	6880	6915	Shaley sand			

W. D. Heath B #3E - Recompletion and Downhole Commingle

MIRUSU 11/13/97.

TIH set CIBP at 5400'. Test to 900#. Test failed after 75 seconds.

TIH with pkr to 5357'. Pressure test plug to 1000#. Held okay. Looked for holes in casing. Found hole from 4683' to 4130'. TOH with pkr.

Ran CBL and found no cmt.

TIH with pkr set at 3825'. Squeezed from 4103' to 4700' with 150 sxs Class B cmt. TIH tag cmt at 3944 and drill hard cmt to 4714'. Circulated hole clean. RU and pressure test squeeze to 500# lost 100# in 10 minutes. Still had cmt to drill out to CIBP. Finished drilling cmt from 4717' to 4902'. Circulate hole clean to CIBP at 5380'. TOH with tubing.

Ran CBL from 3850' to 4900'. Based on logs shot two squeeze holes at 4035'. TIH with pkr and set at 3702'. Squeezed with 200 sxs Class B cmt. Circulated water and mud to surface.

TOH with pkr. TIH with bit and scraper, tag cmt at 3853' and drill out to 4090'. Finish TIH to CIBP at 5380'. Circulate hole clean. TOH

Perforated at 4735', 4743', 4750', 4761', 4766', 4771', 4776', 4781', 4836', 4840', 4847', 4853', 4858', 4862' with 1 jspf, .340 inch diameter, total 14 shots fired.

TIH with pkr and tbg, set pkr at 4715' breakdown with 7.5% acid and balls, knockoff with pkr. Frac down 2.375" tubing with 34,499# of 16/30 Arizona sand. Rig up and flow back frac up tbg, making sand and wtr. Unseat pkr and TOH laying down 2.375" frac string.

Rig up and set CIBP at 4275'.

Perforated at: 4054', 4058', 4064', 4097', 4102', 4104', 4107', 4112', 4125', 4160', 4172', 4176', 4186', 4196', 4200', with 1 jspf, .380 inch diameter, total 15 shots fired.

TIH with pkr and break down with 7.5% acid. Knock off balls with pkr and TOH and RU isolation tool. Frac'd with 333,000# 16/30 Arizona sand. Frac screened out unable to flush. Pull isolation tools.

TIH and tag fill at 2806' after frac. Cleanout from 3750' to CIBP at 4275' with air. PU to 4010' and flow well with 1/2" choke bringing back water and sand.

TOH with sawtooth and tbg. PU mill and TIH with tbg and drill out CIBP at 4275' and clean out to CIBP at 5400'. PU and flow Mesaverde to tank on 3/4" choke. Mill up BP and TIH tagging at 6881'. Clean out to bottom with air. TOH with mill and tbg. TIH with mule shoe and tbg to 5036'. Land 2.375" tbg at 6832'.

Made 6 swab runs. Flowed well on 3/4" choke for 68 hrs recovering 0 wtr, trace of oil, 935 mcf. FTP 38# FCP 205#.

RDMOSU 12/18/97.