

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: WAYNE BRANAM

3. ADDRESS AND TELEPHONE NO.  
P.O. Box 800, Denver, Colorado 80201 (303) 830-4912

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1120' FSL 1520' FEL UNIT O

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH  
RIO ARRIBA  
13. STATE  
NM

15. DATE SPUDDED 08/15/81 16. DATE T.D. REACHED 08/31/81 17. DATE COMPL. (Ready to prod.) 09/01/93 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6601GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 7567' 21. PLUG, BACK T.D., MD & TVD 7548' 22. IF MULTIPLE COMPL., HOW MANY\* 1 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\* 6780-6800 GALLUP 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN 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
9 5/8"	36#	325'	12 1/4"	250S X CL-B	
4 1/2"	10.5#	7567'	7 7/8"	1041 SX D-79	
				200 SX C1-B	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
					2 3/8"	6807'

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
		6780' 6800'	SEE ATTACHED

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)					
09 15 1993		FLOWING					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
09 15 1993	24			3.43	1196	3.1	348,688
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
221	411		3.43	1196	3.1	65 @ 60 DEGREES	

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 Wayne Branam TITLE BUSINESS ANALYST DATE 09-20-1993

\*(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.

# INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL FULL-STEM TESTS, INCLUDING DEPTH INTERVAL, TESTED, CURRIUM TEST, TIME TOOL, OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	38. GEOLOGIC MARKERS	
					MEAS. DEPTH	TRUE VERT. DEPTH
OJO Alamo	1775'	3095'	Water	Greenhorn	7225	
Pictured Cliffs	3095	3175	Water			
Lewis	3175	4805	Shale			
Mesaverde	4805	5500	Sand, shale			
Mancos	5500	7225	Shale			
Dakota	7325	TD	Sand, Gas			

081893 MIRUSU, TAKE PRESSURES, TBG AND CSG WERE DEAD, NDWH, NUBOP, TIH W/7 JTS TBG DID NOT TAG FILL, TOH, TIH W/SCRAPPER TAG AT 7557 W/9' FILL, TOH, TIH W/RBP & PKR TO 7200', SET RBP & PRESS TEST, DID NOT TEST, MOVE RBP UPHOLE 30' RESET & RETEST, TEST TO 1000#, HELD, BLED OFF & RETEST, DID NOT HOLD, TIH LATCH ONTO RBP, TOH, SET RBP AT 7061', TEST TO 1000#, HELD, TOH TO 6624', TEST CSG TO 3500#, HELD, TOH W/PKR LOOKING FOR LEAK, CSG LEAKS FOUND 2580' TO 2107', TOH, PMP 8 BBLS KCL WATER TO LOAD HOLE, MIX & PMP 22BBLS CMT/.8%HALAD-322/.5% CAL SEAL SPOT OVER LEAKS, DISP W/3 BBLS 2% KCL, TOH, LOAD HOLE W/4.75 BBLS KCL WATER, SQZ W/11 BBLS AT 600#, WAIT 45 MIN, SQZ W/2 BBLS CMT AT 240#, WAIT 30 MIN, SQZ W/.25 BBL. SI, TIH W/ BIT & SCRAPER, TAG TOC AT 2147', DRL CMT TO 2651', CIRC CLEAN, PRESS TEST TO 500#, HELD, TOH, TIH W/TBG TO 6800', SWAB TO 6000+, TOH,

TIH PERF THE GALLUP INTERVAL W/4 JSPF 12G CHARGE FROM 6780' TO 6800', NO INITIAL PRESS RESPONSE WAS SEEN AFTER PERFRING, TIH W/ FRAC STRING, SET PKR AT 6633' AND PRESS TEST TO 6500#, HELD, FISH STD VALVE,

FRAC WELL W/ 56,000 GALLONS OF 70 QUALITY NITROGRN FOAM AND 110,000 LBS 20/40 BRADY SAND DOWN THE CSG AT 15 BPM, AND WHTP = 3050 PSI, DISPLACE W/ BASE GEL

SI AND RIG UP FLOWLINE, OPEN WELL AT 6:30 PM, TBG 890# FLOWING THRU .25" CHOKE, .REL PKR, KILL WELL W/80 BBLS KCL WATER, TOH, TIH W/ PRD TBG, TAG SAND AT 6776', TOH 3 STDS, TAKE PRESS READINGS CSG480# TBG 480#, CO SAND FROM 6776' TO 6932', TOT OF 156' OF SAND, W/127,000SCF N2, TOH, LAND PRD TBG AT 6807', PMP 5 BBLS KCL KILL WELL, NDBOP, NUWH, RDSU 090193, CO CMT FROM PIT. TEST GALLUP TBG 90# CSG 400#, MADE SEVERAL ATTEMPTS TO KICK OFF WELL, TBG BLEW DN TO 0# IN 5 MIN, CSG MAINTAINED 400#, WOULD NOT UNLOAD, BLEW 2 HRS, CSG PRESS BUILT A LITTLE. TBG PRESS 68# CSG 450#, TURNED WELL ON, BLEWDOWN TO 0#, 2ND ATTEMPT 2 HRS LATER, BLEW DOWN TO 0#, WILL NOT UNLOAD & FLOW. TBG 75# CSG 455#, TBG BLEW DOWN IN 5 MIN, BLEW WELL FOR 3 HRS, WOULD NOT UNLOAD. TBG 160# CSG 480#, BLEW WELL 2 HRS, WELL STARTED TO COME AROUND, SI FOR 15 MIN, TURNED INTO TEST SEP W/150# BACK PRESS, FLOWING TBG 175#, CSG 425#. TBG 162# CSG 425# FLOWING 706 MCFD. TBG 165# XSG 420# FLOWING 743 MCFD. TBG 200# CSG 440# 798 MCFD.