

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/> <u>Recompletion</u>		5. LEASE DESIGNATION AND SERIAL NO. SF-077384	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201		8. FARM OR LEASE NAME, WELL NO. M. N. Ga/t B #1R	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1740' FSL 1240' FWL At top prod. interval reported below At total depth		9. API WELL NO. 3004529136	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 8/13/94		16. DATE T.D. REACHED 9/14/94	
17. DATE COMPLETION (Ready to prod.) 11/8/94		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5981' KB 5965 GR	
20. TOTAL DEPTH, MD & TVD 6611'		21. PLUG, BACK T.D., MD & TVD 6497'	
22. IF MULTIPLE COMPLETION, HOW MANY* 3		23. INTERVALS DRILLED BY YES	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Fulcher Kutz Pictured Cliffs 1834'-1886'		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray 1750'-1762'		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9-5/8" - J55	36#	474'	12.25"
7" - J55	23#	6607'	8.75"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
	None		
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	1870'	None	
31. PERFORATION RECORD (Interval, size and depth)			
See Attachment			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)			
AMOUNT AND KIND OF MATERIAL USED			
See Attachment			
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
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.
	95		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To Be Sold			
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 Gail M. Jefferson

TITLE Sr. Admin. Staff Asst.

DATE 1/16/96

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.

WMOCD

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
				Ojo Alamo	787'	
				Ojo Alamo	900'	
				Fruitland	1345'	
				Pictured Cliffs	1867'	
				Lewis Shale	2090'	
				Cliff House	3337'	
				Menefee	3490'	
				Pt. Lookout	4214'	
				Mancos Shale	4580'	
				Gallup	5361'	
				Greenhorn	6153'	
				Graneros	6204'	
				Dakota	6232'	
				Morrison	6573'	

Madeline N. Galt B 1R - Recompletion - Subsequent

Amoco Production Company permitted to P&A the Lower Dakota, complete the Upper Dakota, recompleting this well to the Pictured Cliffs and Fruitland Coal downhole commingling the PC and Fruitland and dualling with the Dakota but had requested by telephone December 6, 1995 for temporary approval to produce the Pictured Cliff during the PC testing phase rather than vent to atmosphere and preliminary approval was granted provided the completion of the PC would meet BLM standards.

Completion operations of the PC and P&A of the lower Dakota are described below and with this Amoco is seeking temporary completion approval so that a C-104 for the PC horizon can be approved for sales through El Paso. Amoco plans to recomplete to the Fruitland Coal horizon as soon as a two week testing period is completed of the Pictured Cliffs.

A C-104 and C-102 for the PC will be forwarded to the State simultaneously with our completion report for the PC to the BLM.

MIRUSU 12/11/95. Lay 3 inch relief lines. SITP 2100#, SICP 325#. Ran 1.901" gauge ring to X-N Nipple set at 6430'. Set plug in nipple and would not hold pressure, pull and recovered plug. Found sand on tool, pump into formation to clear tool of sand. Well died SI overnight.

SITP 0, SICP 0, SIBH 6#. Estimated rate into lower Dakota at 1 BPM and 500 PSI. Unsting from retainer and well flowed up annulus. Killed well with 565 BW and work gas out of hole. Set new retainer at 6497' to plug lower Dakota. Original retainer set at 6475' was washed out and no longer holding. SIFN.

Tested production casing from 12' to 6497' for 10 minutes to 1000#. Held ok.

Cemented from 6524' to 6529' with 40 sxs Class B neat. Initial PSI 475#, Max PSI 3500#, Final PSI 3500#. Average rate 2.0 BPM, Max rate 2.0 BPM.

Pressure tested casing to 3500# from 12'-6497' for 30 mins. Held ok.

Perf'd 6424'-6470' with 2jspf, .400 inch diameter, 120 degree phasing, 22.7 grams, total 92 shots fired.

Spot 100 gals FE HCL acid over perfs from 6424'-6470' and let soak. Pulled pkr uphole and set pkr at 6290' and bull head 400 gals in formation. Initial rate before acid 4BPM at 3400#. After acid 4.2 BPM at 3200#. Used RTTS to break down formation. Injections of 10 times with pinpoint injection tool and 4' settings to open all of the formation breakdowns at 2300# average pressure, and TOH got 8.5 BPM and 2200# after TOH with tool down casing.

Frac'd from 6424'-6470' with 723 bbls of water and 554,100 scf of N2 to create a 70% quality foam along with 28,126# of 20/40 Ottawa Sand in formation.

Post frac flow back 12/23 and 12/24/95. Recovered estimated 120 bbls of frac fluid into an earthen pit. Made very little sand with no wash out of iron. Shut in for Christmas. 12/26/95 has 1700# after 40 hrs shut in.

Ran 6.25 OD gauge before setting CIBP at 6360'. Tested production casing to 2500# for 30 mins. from 12'-6360'. Held ok.

Perf'd 6256'-6334' with 44 barrels of slick water in 6 settings with 5' spacing and the pin point injection tool. Break down formation at 2600# and 6 BPM. TOH and got a rate down casing of 12 BPM and 1500#. Break down complete.

Frac'd from 6256'-6334' with 1,012 barrels of water and 771,700 scf of N2 to create a 70% quality foam along with 48,852# of 20/40 Ottawa Sand in formation.

Flow back after frac 12/30 thru 1/2/96 gradually opening choke to open 2 inch line and very little sand produced.

Cleaned out 25 feet of sand on BP and 10 feet of sand on PBD at 6497'.

Flow back for 40 hrs. Initial water rate at start of test 1/4/96 4.4 BPH and final rate at 2.875 BPH with good oil show.

Ran 6.25 OD gauge ring prior to setting composite plug at 5500'.

Tested production casing from 12'-5500' for 15 minutes to 2500#. Loaded hole with 207 BW from top test. Held ok. Ran Gamma Ray log from 1750' to 1762'. Fluid level at 1500' pressure up with N2 to 3000# and perf'd PC.

Perforated 1834'-1856', 1872'-1886' w/4 jsp, .500 inch diameter, 120 degree phasing, 36 grams, total 144 shots fired.

Flowing and swabing PC from 1834'-1886'. Recovered 1/2 barrel flow well. FTP 2 PSI, FCP 70# dry gas on 1/4" choke.

Frac stimulate PC with 785 bbls quality N2 foam and 67,286# of 16/30 Arizona sand. Avg rate 18 BPM at 900 PSI. SI for night.

TIH land 2 3/8" tbg., 4.7# at 1870'. Flow back .25 inch choke died in 1.5 hrs. TIH swabbed, recovered 40 bbls of flow well in 2 days.

Flowed on 1/2" choke for 24 hrs. FTP 60#, FCP 95# on 1/14/96.

RDMOSU 1/15/96. Will return to recompleting Fruitland once PC test is completed.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

55 JAN 17 AM 11:25

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 3004529136		2 Pool Code 77200		3 Pool Name Fulcher Kutz Pictured Cliffs	
4 Property Code 15240		5 Property Name M. N. Galt B			6 Well Number 1R
7 OGRID No. 000778		8 Operator Name Amoco Production Company			9 Elevation 5965'

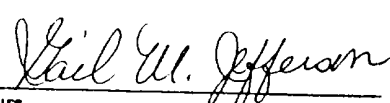
10 Surface Location

UL or lot no. L	Section 6	Township 27N	Range 10W	Lot Idn	Feet from the 1740	North/South line South	Feet from the 1240	East/West line West	County San Juan
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 165.9		13 Joint or Infill		14 Consolidation Code		15 Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Gail M. Jefferson Printed Name Sr. Admin. Staff Asst. Title Date 12/14/95
					18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. April 7, 1994 Date of Survey Signature and Seal of Professional Surveyer: 7016 Certificate Number