

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"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-14923	
b. TYPE OF COMPLETION: NEW WELL <input checked="" 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. Valencia Canyon Unit 40A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 970' FSL 1660' FEL At top prod. interval reported below At total depth		9. API WELL NO. 30-039-25534	
14. PERMIT NO.		12. COUNTY OR PARISH Rio Arriba	
DATE ISSUED		13. STATE New Mexico	
15. DATE SPUDDED 8-27-95	16. DATE T.D. REACHED 9-17-95	17. DATE COMPL. (Ready to prod.) 11-17-95	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7271' GR
20. TOTAL DEPTH, MD & TVD 6696	21. PLUG, BACK T.D., MD & TVD 6557	22. IF MULTIPLE COMPL., HOW MANY*	19. ELEV. CASINGHEAD
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Mesaverde 5968-6498			25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN HRI-GR-S-DSEN-GR			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	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8.625 K-55	24#	87'	12.25	60 sx C1 B, cmt to surface	
5.500 CF-50	14#	4481'	7.875	650 sx C1 B, cmt to surface	
2.875 N-80	6.5#	6675'	4.75	210 sx C1 B, TOC 3700'	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1.25"	6432'	

31. PERFORATION RECORD (Interval, size and number) See attachment	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) See attachment AMOUNT AND KIND OF MATERIAL USED
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33.* DIST. 3 PRODUCTION		WELL STATUS (Producing or shut-in) S/I-WAITING ON PIPLN	
DATE FIRST PRODUCTION 10-9-95	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing		
DATE OF TEST 11/12/95	HOURS TESTED 24	CHOKE SIZE 32/64	PROD'N FOR TEST PERIOD OIL - BBL. 0 GAS - MCF. 800 WATER - BBL. 64 GAS-OIL RATIO
FLOW TUBING PRESS	CASING PRESSURE 175	CALCULATED 24-HOUR RATE	OIL - BBL. 0 GAS - MCF. 800 WATER - BBL. 64 OIL GR. (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold	TEST WITH
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35. LIST OF ATTACHMENTS Perf and frac sheet
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36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	SIGNED <u>Patty Haefele</u> TITLE <u>Staff Assistant</u>	BY DATE <u>11/30/95</u>
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\*(See Instructions and Spaces for Additional Data on Reverse Side)

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,

7. 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
				Cliffhouse	5988'	
				Menefee	6062'	
				Point Lookout	6400'	

Begin work 10/2/95. Pressure test casing to 8200 psi, failed. Run GR 5500-6454 ft. Set CIBP from 6552-6551 ft and pressure test to 8500 psi, held. Limited-entry perforations in lower Mesaverde: 6333' 6342', 6350', 6364', 6370', 6416', 6418', 6428', 6446', 6455', 6469', 6482', 6489', 6497' with 1 JSPF, 14 total shots, diameter .290", 2" gun. Displace 6333-6497' with 38 bbls fresh water. Max pressure 8000 psi, max rate 5.1 bpm. Pumped ball off 5.1 bpm at 4100 psi - perfs broke at 4900 psi. ISIP 1200 psi, hit ball 2 times. Frac 6497-6333' with 139,370 lbs 16/30 Arizona sand; 1,179,894 scf, 70% quality. Avg pressure 6765 psi, avg rate 9.6 bpm. Screened out on fluid flush with 6 bbls pumped - left well shut in for 2 hrs, then opened on 1/2" choke and flow back. Plug at 6280 ft.

Limited entry perforations: 5969, 5991, 6002, 6006, 6014, 6022, 6031, 6034, 6045, 6050, 6055, 6059, 6127, 6189, 6197 with 1 JSPF, 15 total shots, .290" diameter, 2" gun. Displace 6969-6197 ft with 45 bbls filtered fresh water, max pressure 7500 psi, max rate 6.7 bpm. Frac 5969-6197 with 109,266 lbs 16/30 Arizona sand, 70% quality, 1,085,550 scf, max pressure 8200 psi, max rate 10.7 bpm, avg pressure 7342 psi, avg rate 9.45 bpm. Flow well. Well making sand. Drill out composited plug at 6280 ft. Cleanout 6277-6320 ft. Flow well. Tag at 6481 ft. Clean out 6147-6548 ft. Tagged at 6349 ft.

Re-perf 5968-5970, 5990-5992, 6000-6026, 6030-6036, 6042-6062, 6126-6128, 6186-6202, 6332-6334, 6340-6354, 6358-6372, 6414-6422, 6426-6435, 6442-6448, 6454-6458, 6466-6473, 6478-6484, 6488-6490, 6496-6498 with 2 JSPF, 280 total shots fired, 2" gun, .290" diameter. Flow well. Landed coil tubing at 6432 ft. SICP 575 psi.

96 DEC -1 PM 12:35

☐ AMENDED REPORT

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

## WELL LOCATION AND ACREAGE DEDICATION PLAT

' Alt Number 30-039-25534	' Pool Code 74960	' Pool Name Choza Mesa PC Ext.
' Property Code 17279	' Property Name Valencia Canyon Unit	' Well Number 40A
' OGRID No. 000778	' Operator Name Amoco Production Company	' Elevation 7271' GL

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	35	28N	4W		970	South	1660	East	Rio Arriba

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
" Dedicated Acres 160	" Joint or Infill	" Consolidation Code		" 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				<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><u>Patty Haeefe</u> Signature <u>Patty Haeefe</u> Printed Name <u>Staff Assistant</u> Title <u>Sept. 1, 1995</u> Date</p>
				<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p><u>April 13, 1993</u> Date of Survey Signature and Seal of Professional Surveyor:  <u>Original signed by Gary D. Vann</u>  <u>7016</u> Certificate Number</p>
			<p>1660'</p>	

970'

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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WELL LOCATION AND ACREAGE DEDICATION PLAT

APL Number 30-039-25534		Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 17279	Property Name Valencia Canyon Unit		Well Number 40A
OGRID No. 000778	Operator Name Amoco Production Company		Elevation 7271' GL

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	35	28N	4W		970	South	1660	East	Rio Arriba

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 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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16				17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Patty Haeefe Signature Patty Haeefe Printed Name Staff Assistant Title Sept. 1, 1995 Date
				18 SURVEYOR CERTIFICATION <i>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.</i>  April 13, 1993 Date of Survey Signature and Seal of Professional Surveyer:  Original signed by Gary D. Vann 7016 Certificate Number

970' — 1660'

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
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WELL LOCATION AND ACREAGE DEDICATION PLAT

APL Number 30-039-25534		Pool Code 71599	Basin Dakota
Property Code 17279	Property Name Valencia Canyon Unit		Well Number 40A
OGRID No. 000778	Operator Name Amoco Production Company		Elevation 7271' GL

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	35	28N	4W		970	South	1660	East	Rio Arriba

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

" Dedicated Acres	" Joint or Infill	" Consolidation Code	" Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
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16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Patty Haefele Signature Patty Haefele Printed Name Staff Assistant Title Sept. 1, 1995 Date
				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 13, 1993 Date of Survey Signature and Seal of Professional Surveyor:  Original signed by Gary D. Vann  7016 Certificate Number

1660'

970'

TABULATION OF DEVIATION TESTS

• • AMOCO PRODUCTION COMPANY • •

DEPTH	DEVIATION	DEPTH	DEVIATION
565'	.5	6079'	2.75
1092'	.75		
1617'	1.0		
2150'	1.0		
2732'	1.25		
3263	1.25		
3815'	1.5		
4490'	2.0		
5054'	3.0		
5579'	2.0		

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DIST. 3

AFFIDAVIT

THIS IS TO CERTIFY that to the best of my knowledge, the above tabulation details the deviation tests taken on AMOCO PRODUCTION COMPANY'S:

Valencia Canyon Unit 40A

( ) Section 35 Township 28N Range 4W

970' FSL 1660' FEL, Rio Arriba Co., New Mexico

Signed

Patricia J. Haebele

Title

Staff Assistant

THE STATE OF COLORADO )

City and ) SS.

COUNTY OF DENVER )

BEFORE ME, the undersigned authority, on this day personally appeared Patricia J. Haebele known to me to be Staff Assistant for Amoco Production Company and to be the person whose name is subscribed to the above statement, who, being by me dully sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN to before me, a Notary Public in and for said County and State this 32nd day of September, 1995

April L. Cass  
Notary Public

My Commission Expires: 8/19/97

