

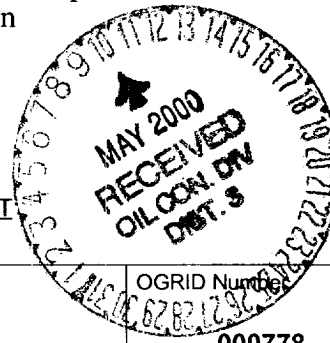
District I - (505) 393-6161
1625 N. French Dr
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-140
Revised 06/99

SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE

APPLICATION FOR
WELL WORKOVER PROJECT



I. Operator and Well

Operator name & address Amoco Production Company P.O. Box 3092 Houston, TX 77253						OGRID Number 000778		
Contact Party Melissa Velasco-Price						Phone 281-366-4491		
Property Name Arnaud A				Well Number 1		API Number 30-045-28182		
UL H	Section 17	Township 32N	Range 9W	Feet From The 1850'	North/South Line North	Feet From The 1090'	East/West Line East	County San Juan

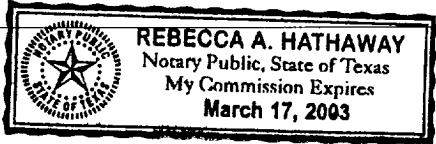
II. Workover

Date Workover Commenced: October 12 1999	Previous Producing Pool(s) (Prior to Workover): Basin Fruitland Coal
Date Workover Completed: October 30 1999	

III. Attach a description of the Workover Procedures performed to increase production.

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of <u>Texas</u>)) ss. County of <u>Harris</u>)	
<u>Melissa Velasco-Price</u> , being first duly sworn, upon oath states:	
1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.	
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.	
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.	
Signature <u>Melissa Velasco-Price</u>	Title <u>Permitting Staff Assistant</u> Date <u>May 2 2000</u>
SUBSCRIBED AND SWORN TO before me this <u>02</u> day of <u>May</u> <u>2000</u>	
<u>Rebecca A. Hathaway</u> Notary Public	
My Commission expires: <u>March 17 2003</u>	

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on _____.

Signature District Supervisor <u>353</u>	OCD District <u>3</u>	Date <u>5/11/00</u>
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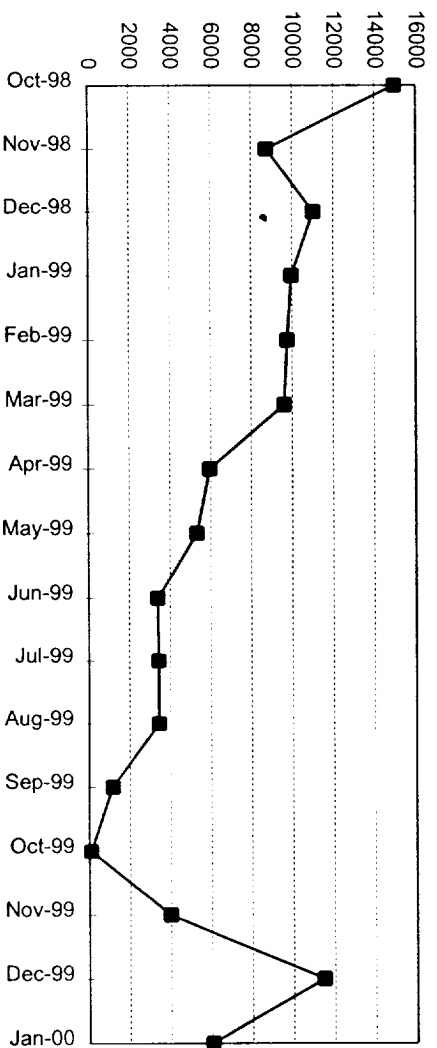
VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: _____

ARNAUD A 1
BASIN FRUITLAND COAL
API - 30-045-28182
FLAC # 704943-01
LOCATION SEC 17 T32N R9W
WELL REPAIR

PRODUCTION TABLE

Oct-98	14947
Nov-98	8727
Dec-98	11012
Jan-99	9945
Feb-99	9745
Mar-99	9591
Apr-99	5944
May-99	5290
Jun-99	3365
Jul-99	3397
Aug-99	3411
Sep-99	1126
Oct-99	56
Nov-99	3959
Dec-99	11470
Jan-00	6015

PRODUCTION CURVE



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.
SF - 078513

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Arnaud A 1

9. API Well No.
30-045-28182

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal

11. County or Parish, State
San Juan New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well
☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator
Amoco Production Company Attn: Mary Corley

3. Address and Telephone No.
P.O. Box 3092 Houston, tx 77352 (281) 366-4491

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1850' FNL & 1090' FEL Sec. 17 T32N R8W Unit H

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other	

WELL REPAIR

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10/12/1999 MIRUSU Pressure test BOP. Blow down well. TOH w/TBG. TIH & C/O well w/air. Tag bottom @ 3727'. Drill 8' new hole to 3735'. NOTE: PERMISSION PER PHONE CONVERSATION MIKE KUTAS (AMOCO) & WAYNE TOWNSEND (BLM) ON 10/17/1999. COTB to 3735'. Flow well. TIH to 3721' tag fill. RU reamer. TIH to 3420'. Break circ & underream from 3420' to 3622'. @ 3622' coal flowing into well. Pressure from 700 - 1200 PSI. TOH w/reamer. TIH w/new bit & tag fill @ 3491'. COTB from 3491' - 3543'. Formation flowing coal. Shut down rig & all other EQPT on location. Safety Stand down.

Blow down well (805 PSI). TIH to 3505 tag fill. COTB from 3505' - 3512'. Continue COTB to 3543' - 3606. TOH. TIH w/underreamer. Break circ. Underream from 3425' - 3735' TD. Circ hole. TOH w/reamer. RU to cavitate. TIH to 3470' tag fill. PU Break circ. COTB from 3470' - 3735'. Flow well. TIH to 3521' tag bridge. Brak Circ. Drill on bridge. Dry up hole & TOH. TIH w/new bit tag bridge @ 3515' COTB 3515' - 3536' Hard drilling. COTB 3536' - 3566' heavy coal returns. COTB 3568' - 3600'. Coal flowing heavy. COTB 3548' - 3568' Heavy coal. COTB 3568' - 3663'. COTB 3693' - 3735'. Flow well for fill check. Flow well on 3/4" choke - end PSI 40# 590 MCFD. Well loaded w/WTR. Flow well for clean up. COTB 3615' - 3735'. Dry up well. TOH. TIH w/ 5 1/2" liner & hanger & set @ 3735'. TOH. RU & perf 3463' - 3468'; 3483' - 3518'; 3635' - 3640'; 3621' - 3726'. Test w/well pressure. Blow down well. TIH w 2 3/8" TBG & land @ 3719'. ND BOP. NU tree & test 15 min. 1500# PSI good.

10/30/199 RDMOSU

14. I hereby certify that the foregoing is true and correct

Signed Mary Corley Title Sr. Business Analyst Date 12/01/99

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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.

* See Instructions On Reverse Side

OPERATOR

RECEIVED FOR RECORD
DEC 11 1999
FEDERAL OFFICE
SW

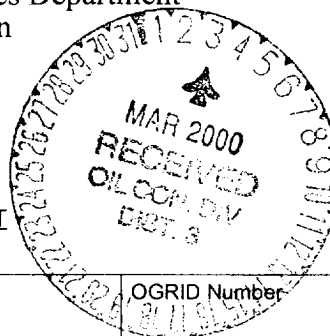
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SUBSCRIBED AND SWORN TO before me this <u>02</u> day of <u>March</u> , <u>2000</u>		Date <u>March 2 2000</u>
		<u>Rebecca A. Hathaway</u> Notary Public
My Commission expires: <u>March 17 2003</u>		

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Signature District Supervisor DENIED	OCD District	Date
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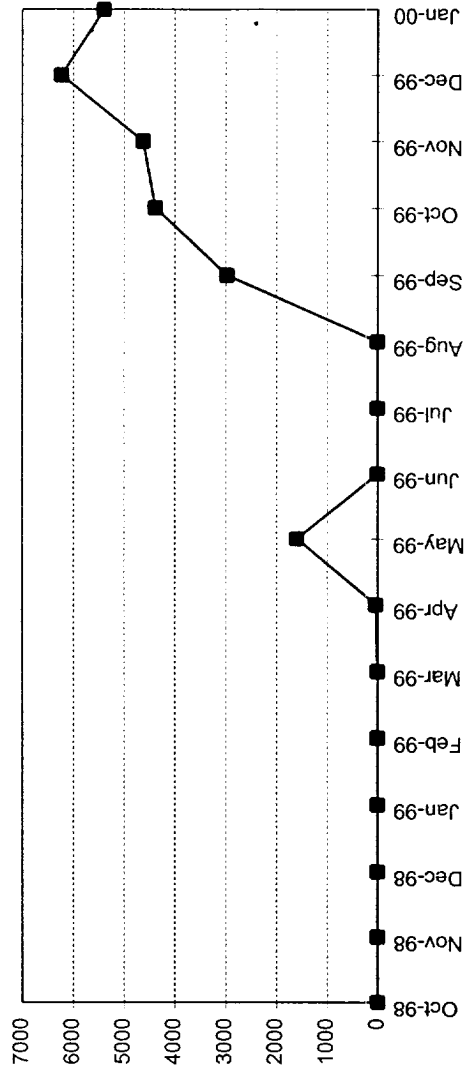
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BASIN FRUITLAND COAL
API - 30-045-28182
FLAC # 704943-01
LOCATION SEC 17 T32N R9W
WELL REPAIR

PRODUCTION TABLE

Oct-98	0
Nov-98	0
Dec-98	0
Jan-99	0
Feb-99	0
Mar-99	0
Apr-99	33
May-99	1585
Jun-99	0
Jul-99	0
Aug-99	0
Sep-99	2963
Oct-99	4376
Nov-99	4615
Dec-99	6223
Jan-00	5389

PRODUCTION CURVE



Date	Oil Prod	BBLS	Cum. Oil	Gas Prod	Cum. Gas	YIELD	%	# of	Days	
MO/YR	BBLS	/Day	Prod. BBLS	MCF	MCF	BBLS/MMCF	Water	Water	Wells	On Allowables
01/97				0	77,444		0		0	0
02/97				0	77,444		0		0	0
03/97				0	77,444		0		0	0
04/97				0	77,444		0		0	0
05/97				737	78,181	0.00	3,200	100.00	1	31
06/97				1,182	79,363	0.00	3,520	100.00	1	30
07/97				2,070	81,433	0.00	2,880	100.00	1	31
08/97				1,959	83,392	0.00	2,960	100.00	1	31
09/97				2,565	85,957	0.00	3,680	100.00	1	30
10/97				4,116	90,073	0.00	2,880	100.00	1	31
11/97				4,793	94,866	0.00	1,760	100.00	1	30
12/97				2,201	97,067	0.00	800	100.00	1	11
Totals				19,623			21,680			225
01/98				0	97,067		0		0	0
02/98				0	97,067		0		0	0
03/98				0	97,067		0		0	0
04/98				1,573	98,640	0.00	240	100.00	1	11
05/98				3,061	101,701	0.00	3,165	100.00	1	31
06/98				4,788	106,489	0.00	2,400	100.00	1	30
07/98				7,102	113,591	0.00	1,620	100.00	1	31
08/98				11,417	125,008	0.00	1,680	100.00	1	31
09/98				14,930	139,938	0.00	1,280	100.00	1	30
10/98				14,947	154,885	0.00	1,120	100.00	1	31
11/98				8,727	163,612	0.00	800	100.00	1	30
12/98				11,012	174,624	0.00	2,430	100.00	1	31
Totals				77,557			14,735			256
01/99				9,945	184,569	0.00	1,690	100.00	1	31
02/99				9,745	194,314	0.00	1,200	100.00	1	28
03/99				9,591	203,905	0.00	2,480	100.00	1	31
04/99				5,944	209,849	0.00	1,480	100.00	1	25
05/99				5,290	215,139	0.00	0		1	31
06/99				3,365	218,504	0.00	0		1	30
07/99				3,397	221,901	0.00	340	100.00	1	31
08/99				3,411	225,312	0.00	0		1	31
09/99				1,126	226,438	0.00	562	100.00	1	30
10/99				56	226,494	0.00	0		1	11
11/99				3,959	230,453	0.00	1,200	100.00	1	22
12/99				11,470	241,923	0.00	1,520	100.00	1	31
Totals				67,299			10,472			332