

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR  
Amoco Production Company
3. ADDRESS OF OPERATOR  
501 Airport Dr., Farmington, N.M. 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 880' FNL X 935' FWL  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

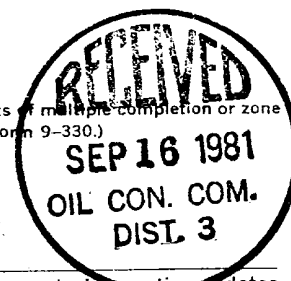
- TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐

(other) Recompletion Operations ☒

SUBSEQUENT REPORT OF:

RECEIVED  
OCT 15 1981  
U.S. GEOLOGICAL SURVEY  
WASHINGTON, D.C.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)



5. LEASE  
SF-080099
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME  
A. L. Elliott "E"
9. WELL NO.  
1
10. FIELD OR WILDCAT NAME Blanco  
Blanco Pictured Cliffs/Fruitland
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
NW/4, NW/4, Section 14, T29N, R9W
12. COUNTY OR PARISH San Juan 13. STATE New Mexico
14. API NO.  
30-045-22929
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5989' G.L.

17. 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.)\*

Amoco Production Company plans to recompleate the above mentioned well to the Blanco Fruitland formation and to commingle the production from that formation with that of the Blanco Pictured Cliffs formation as follows:

1. Pull 2-3/8" tubing out of the hole and set retrievable bridge plug at 2500'.
2. Load hole with 2% KCL water and pressure test to 3400 psi.
3. Run gamma-lay casing correlation log from 2250'-2500'.
4. Perforate density log intervals from 2373'-2384' and 2424'-2438', with 2 SPF.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ (OVER) Ft.

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

SIGNED \_\_\_\_\_ Original Signed \_\_\_\_\_ TITLE \_\_\_\_\_ Dist. Admin. Supvr DATE 9-14-81

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, SEP 15 1981

JAMES F. SIMS  
DISTRICT ENGINEER

\*See Instructions on Reverse Side

NMOCC

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

**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 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

5. Breakdown perforations with 2% KCL water and 64 ball sealers.
6. Run junk basket and knock the balls off the perforations.
7. Frac with 42,000 gallons of 70% quality foam and 65,000 pounds of 20-40 sand.
8. Flow well back after 1 hour shut-in.
9. Clean out sand fill with nitrogen.
10. Retrieve bridge plug and land the 2-3/8" tubing at 2685'.
11. Return well to production.

Verbal approval from USGS via telecon O'Hare (Amoco) to Mr. Richard Bell (USGS) on 9-14-81.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐

2. NAME OF OPERATOR  
Amoco Production Company

3. ADDRESS OF OPERATOR  
501 Airport Dr., Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 880' FNL x 935' FWL  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON\* ☐

(other) Recompletion Operations ☐

SUBSEQUENT REPORT OF

RECEIVED

OCT 27 1981

(NOTE: Report results of multiple completion or zone change on Form 9-330.)  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.



5. LEASE

SF-080099

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

A. L. Elliott E

9. WELL NO.

1

10. FIELD OR WILDCAT NAME

Blanco Pictured Cliffs/Fruitland

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
NW/4, NW/4, Section 14  
T29N, R9W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

14. API NO.

30-045-22929

15. ELEVATIONS (SHOW DF, KDB, AND WD)

5989' G.L.

17. 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.)\*

Recompletion operations commenced on 9-26-81. Total depth of the well is 2770' and the plugback depth is 2747'. Perforated intervals from 2373'-2384', and 2424'-2438', with 2 spf, a total of 50 .38" holes. Fraced the formation with 52,500 gallons of frac fluid, and 77,000 pounds of 10-20 sand. Landed 2-3/8" tubing at 2686'. Released the rig on 9-30-81.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED E. E. [Signature] TITLE Dist. Admin. Supvr. DATE 10-26-81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NMOCC

*Handwritten signature*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## 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 ☐

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

501 Airport Dr., Farmington, NM 87401

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

At surface 880' FNL x 935' FWL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. 5. DATE ISSUED  
FARMINGTON, N. M.

5. LEASE DESIGNATION AND SERIAL NO.

SF-080099

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

A. L. Elliott "E"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Blanco Fruitland

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

NW/4, NW/4, Section 14,  
T29N, R9W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

15. DATE SPUDDED

3-28-78

16. DATE T.D. REACHED

3-31-78

17. DATE COMPL. (Ready to prod.)

9-30-81

18. ELEVATIONS (DF, R&amp;B, RT, GR, ETC.)\*

5989' G.L.

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

2770'

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

2747'

22. IF MULTIPLE COMPL., HOW MANY\*

2

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

2373'-2384', 2424'-2438' - Blanco Fruitland

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Electric, Compensated Density logs

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	280'	12-1/4"	260 SX	
4-1/2"	10.5#	2770'	7-7/8"	635 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	2686'	

31. PERFORATION RECORD (Interval, size and number)

2373'-2384', 2424'-2438' with 2 spf, a  
total of 50 .38" holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2373'-2438'	112,950 gallons of frac fluid and 147,750 pounds of 20-40 sand

33.\* PRODUCTION

35.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Flowing				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/1-11/30/81	1094.4	3/4	→		5836.8		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→		128			

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

TITLE Dist. Admin. Supvr.

DATE 11-4-81

\*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOCC

# 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:			38. GEOLOGIC MARKERS	
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				
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH
				TRUE VERT. DEPTH
Fruitland	2256'	2571'		
Pictured Cliffs	2564'	2770'		

MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

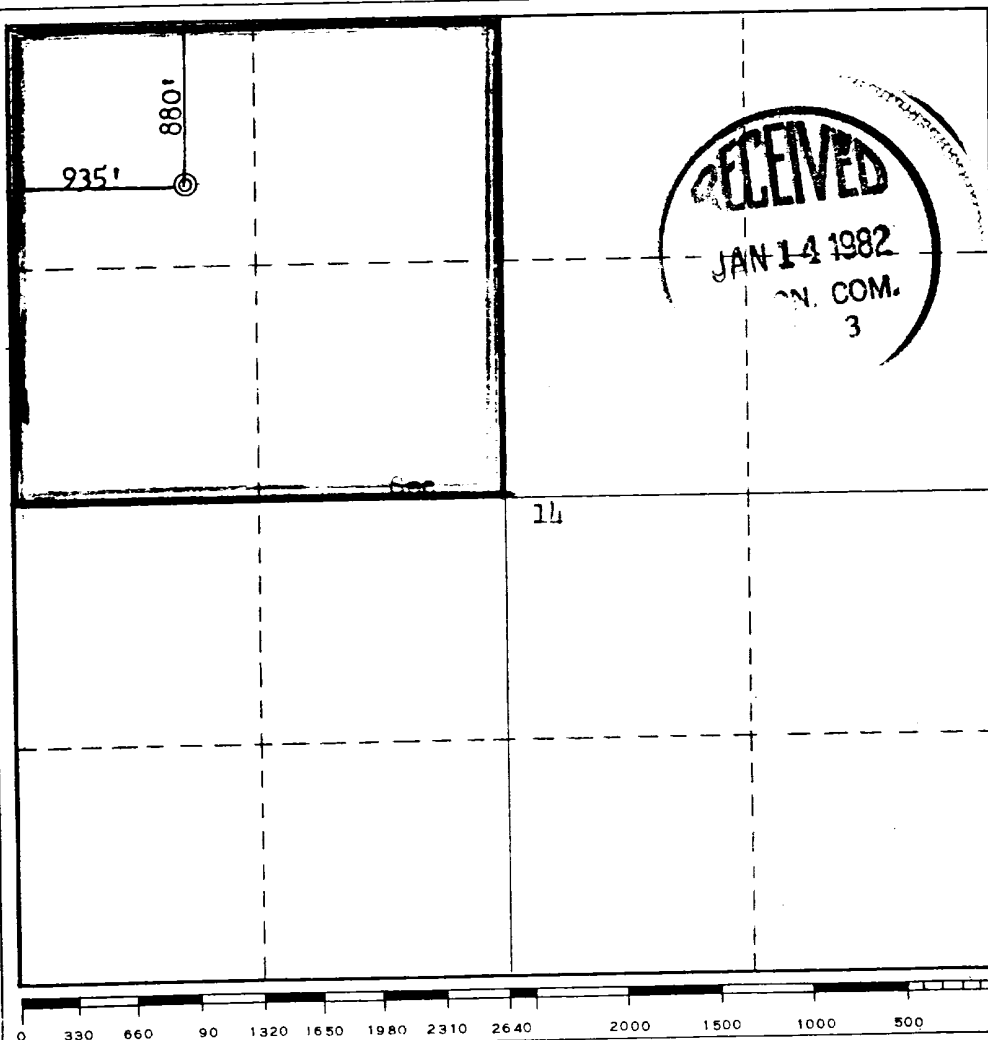
Operator <b>Amoco Production Company</b>			Lease <b>A. L. Elliott "E"</b>		Well No. <b>1</b>
Unit Letter <b>D</b>	Section <b>14</b>	Township <b>29N</b>	Range <b>9W</b>	County <b>San Juan</b>	
Actual Postage Location of Well: <b>880</b> feet from the <b>North</b> line and <b>935</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5989</b>	Producing Formation <b>Pictured Cliffs/Fruitland</b>		Pool <b>Blanco Pictured Cliffs/Fruitland</b>	Dedicated Acreage: <b>160/160</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name  
**Wayne L. Peterson**  
Position  
**AREA ENGINEER**  
Company  
**AMOCO PRODUCTION COMPANY**  
Date  
**1-12-82**

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 knowledge and belief.

Date Surveyed  
**February 1, 1978**  
Registered Professional Engineer and/or Land Surveyor  
**Fred B. Kerr Jr.**  
Certificate No.  
**3950**

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

1. OPERATOR	
Operator Amoco Production Company	
Address 501 Airport Dr., Farmington, NM 87401	
Reason(s) for filing (Check proper box)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input checked="" type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Other (Please explain)	

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name A. L. Elliott "E"	Well No. 1	Pool Name, Including Formation Blanco Fruitland	Kind of Lease State, Federal or Fee Federal	Lease No. SF-080099
Location				
Unit Letter D	880	Feet From The North	Line and 935	Feet From The West
Line of Section 14	Township 29N	Range 9W	NMPM, San Juan	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 990, Farmington, NM 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When No

If this production is commingled with that from any other lease or pool, give commingling order number: R-6481

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X						X
Date Spudded 3-28-78	Date Compl. Ready to Prod. 9-30-81	Total Depth 2770'	P.B.T.D. 2747'					
Elevations (DF, RAB, RT, GR, etc.) 5989' G.L.	Name of Producing Formation Blanco Fruitland	Top Oil/Gas Pay 2373'	Tubing Depth 2686'					
Perforations 2373'-2384', 2424'-2438'			Depth Casing Shoe 2770'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12-1/4"	8-5/8"	280'	260 sx					
7-7/8"	4-1/2"	2770'	635 sx					
	2-3/8"	2686'						

V. TEST DATA AND REQUEST FOR ALLOWABLE  
OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF



GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Original  
E. E. SYOBODA

(Signature)

Dist. Admin. Supvr.

(Title)

11-4-81

OIL CONSERVATION DIVISION

APPROVED **NOV 5 81**, 19  
Original Signed by Jeff Edmister  
BY DEPUTY OIL & GAS INSPECTOR, DIST. #3  
TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name, location, or transportation or other such change of condition. This form must be filed for each production period.



BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

November 24, 1982

Mr. Brent Roberson  
Amoco Production Company  
501 Airport Drive  
Farmington NM 87401

Re: Commingled Allocation R-6481

Dear Mr. Roberson:

As per the referenced order your recommended allocations  
are hereby accepted for the below-listed wells, as shown:

	<u>Fruitland</u>	<u>Pictured Cliffs</u>
A. L. Elliott B #8 G-10-29N-9W	63%	37%
A. L. Elliott D #7 K-11-29N-9W	62%	38%
A. L. Elliott E #1 D-14-29N-9W	72%	28%

If you have any questions please call this office.

Yours truly

Frank T. Chavez  
District Supervisor

FTC:gc

cc: Santa Fe  
El Paso Natural Gas  
Minerals Management Service, Farmington





**Amoco Production Company**

Petroleum Center Building  
501 Airport Drive  
Farmington, New Mexico 87401  
505-325-8841

R. W. Schroeder  
District Superintendent

October 21, 1982

Mr. Joe D. Ramey  
Department of Energy and Minerals  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

File: DDL-129-986.511



Dear Mr. Ramey:

Downhole Commingle Gas Production from Fruitland and Pictured Cliffs Formations

Pursuant to Division Order No. R-6481, gas production from the Fruitland and Pictured Cliffs Formations was commingled and assigned gas allocations on the following wells:

	<u>Fruitland</u>	<u>Pictured Cliffs</u>
A. L. Elliott "B" No. 8 NE/4, Section 10, T29N, R9W	63%	37%
A. L. Elliott "D" No. 7 SW/4, Section 11, T29N, R9W	62%	38%
A. L. Elliott "E" No. 1 NW/4, Section 14, T29N, R9W	72%	28%

The following procedure is used in calculating percentages on the above wells:

Avg. production before commingling for 5 months -  
Avg. production after commingling for 2 months

= % of Fruitland

Very truly yours,

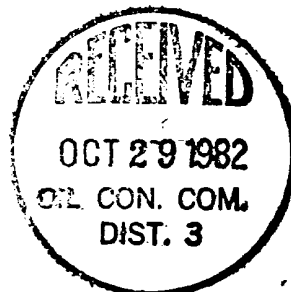
Original Signed By  
R. W. SCHROEDER  
*Brent Robinson*  
BTR/mp

cc: Frank Chavez  
New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410



Amoco Production Company  
501 Airport Drive  
Farmington, New Mexico 87401

October 27, 1982



Mr. Joe D. Ramey  
Department of Energy and Minerals  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

File: DDL-139-986.511

Dear Mr. Ramey:

Downhole Commingle Gas Production from  
Fruitland and Pictured Cliffs Formations

Reference our letter dated October 21, 1982, File: DDL-129-986.511,  
the following production figures were used in calculating gas  
allocations on the following wells:

A. L. Elliott "B" No. 8  
NE/4, Section 10, T29N, R9W

This well was a dual before commingling, so production figures before  
commingling are:

	<u>P/C</u>	<u>Fruitland</u>	<u>% P/C</u>
March 1981	88 MCF	140 MCF	39%
April 1981	67 MCF	119 MCF	36%
May 1981	81 MCF	136 MCF	37%
June 1981	61 MCF	116 MCF	35%

Average % is 37% P/C; 63% Fruitland.

Joe D. Ramey  
 Page 2  
 October 27, 1982  
 File: DDL-139-986.511

A. L. Elliott "D" No. 7  
SW/4, Section 11, T29N, R9W

	<u>P/C</u>	<u>P/C &amp; Fruitland</u>
September 1981	37 MCF	October 1981 - 153 MCF
August 1981	45 MCF	November 1981 - 97 MCF
July 1981	46 MCF	
June 1981	51 MCF	
May 1981	54 MCF	

Average P/C = 47 MCF

125 - 47 = 78 Fruitland

Average P/C and Fruitland = 125 MCF

$$\frac{78}{125} = 62\% \text{ Fruitland}$$

$$\frac{47}{125} = 38\% \text{ P/C}$$

A. L. Elliott "E" No. 1  
NW/4, Section 14, T29N, R9W

	<u>P/C</u>	<u>Days</u>
January 1981	1762 MCF	31
February 1981	1565 MCF	28
March 1981	1891 MCF	31
April 1981	1662 MCF	30
May 1981	1523 MCF	31
June 1981	1464 MCF	30
July 1981	1393 MCF	31
August 1981	1483 MCF	31
September 1981	<u>1126 MCF</u>	<u>30</u>
	13,869 MCF	273

13,869 ÷ 273 = 50.8 MCFD for Pictured Cliffs

Joe D. Ramey  
Page 3  
October 27, 1982  
File: DDL-139-986.511

Conducted a deliverability test after commingling for 43.4 days. It produced 7726 MCF gas and averaged 178 MCFD for Fruitland and Pictured Cliffs formations.

$178 \text{ MCFD} -- 50.8 \text{ MCFD} = 127.2 \text{ MCFD for Fruitland.}$

$127.2 \div 178 = 72\% = \text{Fruitland}$

$50.8 \div 178 = 28\% - \text{P/C}$

Very truly yours,

S. D. Blossom  
District Superintendent

BTR/mp

cc: / Frank Chavez  
New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, NM 87410

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES DESIRED	
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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATION	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1

**RECEIVED**  
DEC 21/1988  
OIL CON. DIV.  
DIST. 3

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator Amoco Production Company  
Address 2325 East 30th Street, Farmington NM 87401  
Reason(s) for filing (Check proper box)  
☐ New Well ☐ Change in Transporter of:  
☐ Recompletion ☐ Oil ☐ Dry Gas  
☐ Change in Ownership ☐ Casinghead Gas ☐ Condensate  
Other (Please explain) Pool Name Change. Case #9421 Order # R-8769

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>A. L. Elliott E</u>	Well No. <u>1</u>	Pool Name, including Formation <u>Blanco Fruitland Sand</u>	Kind of Lease State, Federal or Fee <u>Fed</u>	Lease No. <u>SF 080099</u>
Location Unit Letter <u>D</u> : <u>880</u> Feet From The <u>North</u> Line and <u>935</u> Feet From The <u>West</u> Line of Section <u>14</u> Township <u>29N</u> Range <u>9W</u> N.M.P.M. <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>El Paso Natural Gas Co</u>	<u>Caller Service 4990 Farmington NM 87499</u>
If well produces oil or liquids, give location of tanks.	Is gas actually connected? <u>Yes</u> When <u>12-29-83</u>

If this production is commingled with that from any other lease or pool, give commingling order number: R-6481

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

BS Shaw  
(Signature)

Adm Supervisor  
(Title)

12-20-88  
(Date)

OIL CONSERVATION DIVISION

**FEB 16 1989**

APPROVED \_\_\_\_\_

BY ORIGINAL SIGNED BY ERNIE BUSCH  
DEPUTY OIL & GAS INSPECTOR, DIST. #3  
TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of own well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multi-completed wells.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

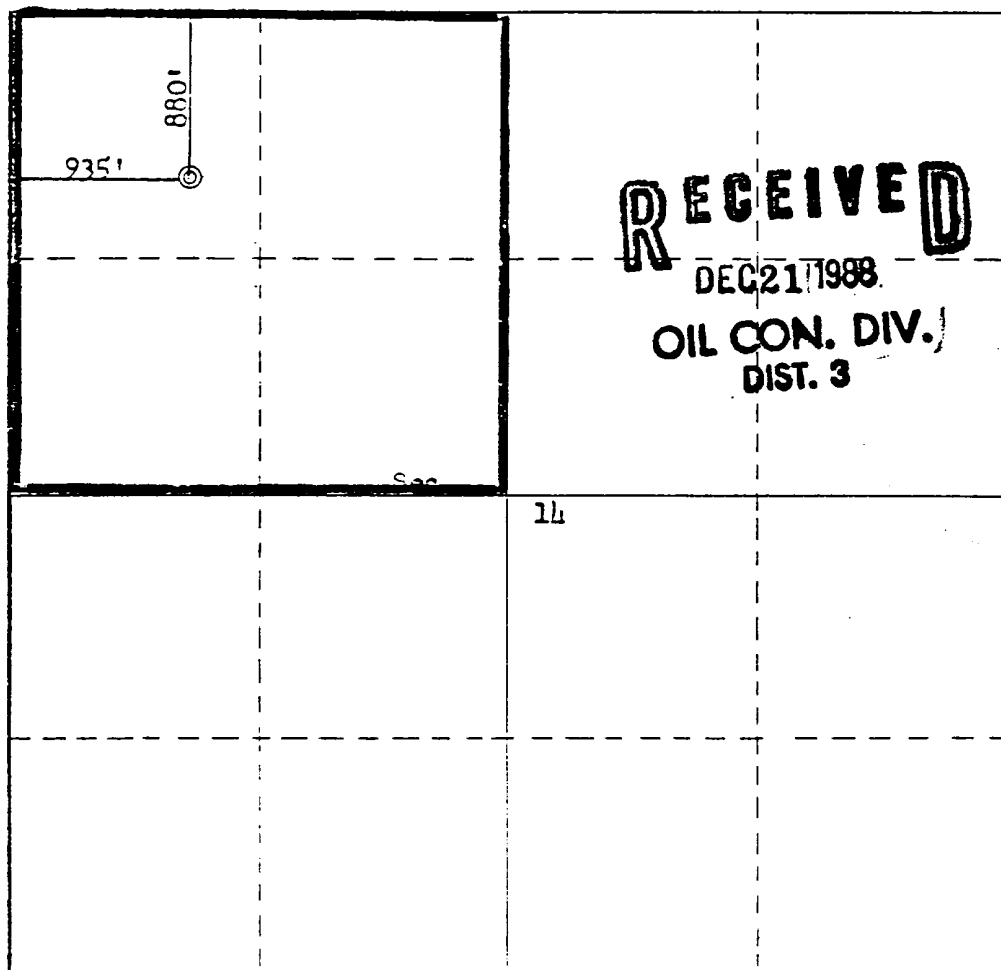
Operator <b>Amoco Production Company</b>			Lease <b>A. L. Elliott "E"</b>		Well No. <b>1</b>
Unit Letter <b>D</b>	Section <b>14</b>	Township <b>29N</b>	Range <b>9W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>880</b> feet from the <b>North</b> line and <b>935</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5989</b>	Producing Formation <b>Fruitland</b>		Pool <b>Blanco Fruitland Sand</b>	Dedicated Acreage: <b>160</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowance will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name **B. D. Shaw**  
Position **Adm. Supr**  
Company **AMOCO PRODUCTION COMPANY**  
Date **12-20-88**

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 knowledge and belief.

Date Surveyed **February 1, 1978**  
Registered Professional Engineer and/or Land Surveyor  
**Fred B. Kerr Jr.**

Certificate No.

**3950**

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**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.
NMSF - 070500A 08 0399
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement Designation
8. Well Name and No.
AL. ELLIOTT E # 1
9. API Well No.
3004522929
10. Field and Pool, or Exploratory Area
Blanco PC\Fruitland Sand
11. County or Parish, State
SAN JUAN NEW MEXICO

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator AMOCO PRODUCTION COMPANY
Attention: Nancy I. Whitaker
3. Address and Telephone No. P.O. BOX 800 DENVER, COLORADO 80201 303-830-5039
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 880 FNL 935 FWL Sec. 14 T 29N R 9W UNIT D

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other DMD LTR DTD 4/28/97 <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water
(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.)\*

ACCORDING TO AMOCO PRODUCTION COMPANY RECORDS THIS WELL IS AND HAS BEEN PRODUCING.

14. I hereby certify that the foregoing is true and correct.  
Signed Nancy I. Whitaker Title Staff Assistant Date 06-03-1997  
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any: **ACCEPTED FOR RECORD**

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

NMCCN

RY

FARMINGTON DISTRICT OFFICE

SWW