

DATE 8/6/01	ENGINEER MS	LOGGED IN KN	TYPE NSL	APP NO. 121854256
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication

☒ NSL ☐ NSP ☐ SD

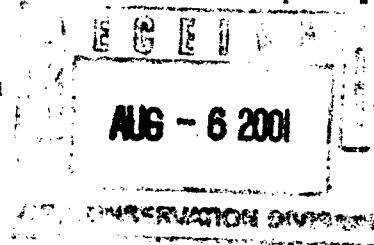
Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR



[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Certification

I hereby certify that I, or personnel under my supervision, have reviewed the applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common.

I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Tim Welch
Print or Type Name

Tim Welch
Signature

Senior Landman 8/3/01
Title Date

tim_welch@xtoenergy.com
e-mail Address



August 3, 2001

Mr. Michael E. Stogner
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

FEDERAL EXPRESS

**Re: Administrative Approval of Unorthodox Location
Valencia Canyon Unit #15 Well (API #30-039-21475)
790' FEL & 1,450' FSL (Unit 1) of Sec. 27-T28N-R4W
Rio Arriba County, New Mexico**

Dear Mr. Stogner:

XTO Energy Inc. hereby requests administrative approval to an unorthodox location of its Valencia Canyon Unit #15 well under the provisions of NMOCDO Order #R-8768A.

The Valencia Canyon Unit #15 well was originally drilled and completed as a Choza Mesa Pictured Cliffs well in 1978 at a legal location 790' FEL & 1,450' FSL of Section 27-T28N-R4W, Rio Arriba County, New Mexico. The well is shut-in currently and not producing for economical reasons. The proposed work will involve setting a cast iron bridge plug capped with cement above the Pictured Cliffs formation to abandon the current perforations. The well will then be completed in the Fruitland Coal formation.

Our review of the logs indicates that the Fruitland Coal formation may be productive in this wellbore. In order to avoid unnecessary expense, minimize environmental impact and capture these reserves, XTO is making plans to reenter the subject well and recomplete it as a Fruitland Coal well. Our planned spacing unit would be the S 2 of Section 27, being 320 acres, more or less.

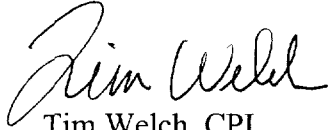
Since NMOCDO Order # R-8768A calls for Fruitland Coal wells to be located in the NE 1/4 or SW 1/4 of a governmental section, an exception to this requirement is requested. None of the offsetting 320-acre spacing units have been developed in the Fruitland Coal formation.

A copy of this application is being sent to all offset Fruitland Coal leasehold owners by certified mail.

Attached is a plat showing dedicated acreage and a map showing offset owners. Should you need additional information, please contact me at (817) 85-2661.

NMOCD
August 3, 2001
Page 2

Very truly yours,

A handwritten signature in cursive script that reads "Tim Welch".

Tim Welch, CPL
Senior Landman
XTO Energy Inc.

Enclosures

OFFSETTING OWNER

1. Burlington Resources Oil & Gas Company LP
P.O. Box 4289
Farmington, New Mexico 87499-4289

Certified # 9850 1421

District-I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
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, 199
Instructions on bac
Submit to Appropriate District O
State Lease - 4 Copie
Fee Lease - 3 Copie

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-21475	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code	⁵ Property Name Valencia Canyon Unit	⁶ Well Number 15
⁷ OGRID No. 167067	⁸ Operator Name Cross Timbers Operating Company	⁹ Elevation 7224

¹⁰ Surface Location

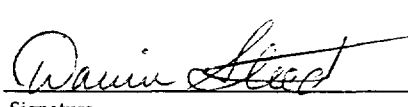
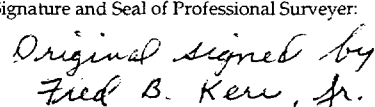
UL or lot no. I	Section 27	Township 28N	Range 4W	Lot. Idn	Feet from the 1450	North/South Line South	Feet from the 790	East/West line East	County Rio Arriba
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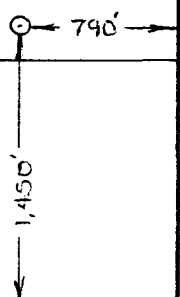
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
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¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

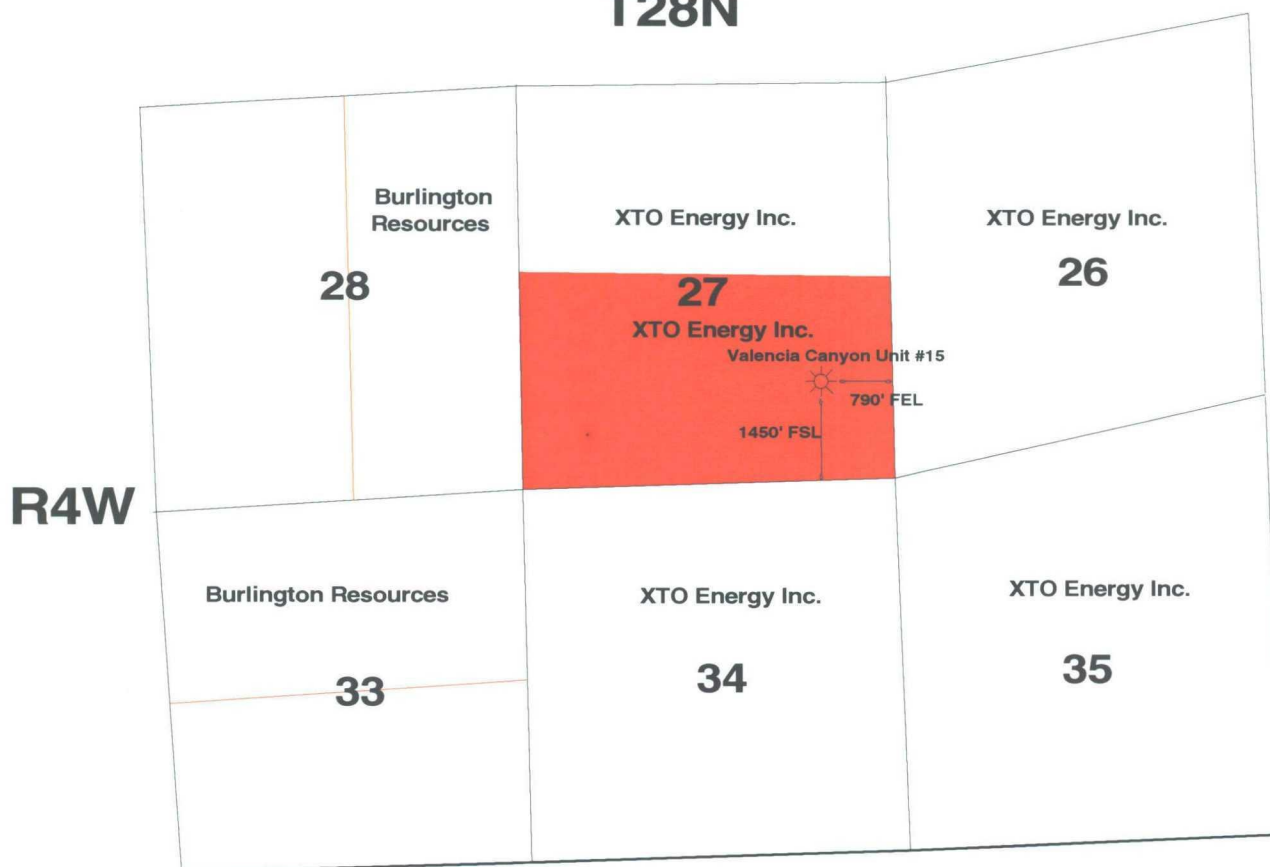
				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Darrin Steed Printed Name Operations Engineer Title 8/2/01 Date
				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this 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. June 16, 1977 Date of Survey Signature and Seal of Professional Surveyer:  3950 Certificate Number



XTO ENERGY INC.
OFFSET OWNER PLAT
Valencia Canyon Unit #15 Well
Fruitland Coal Unit
790' FEL & 1,450' FSL
Section 27-T28N-R4W
Rio Arriba County, New Mexico

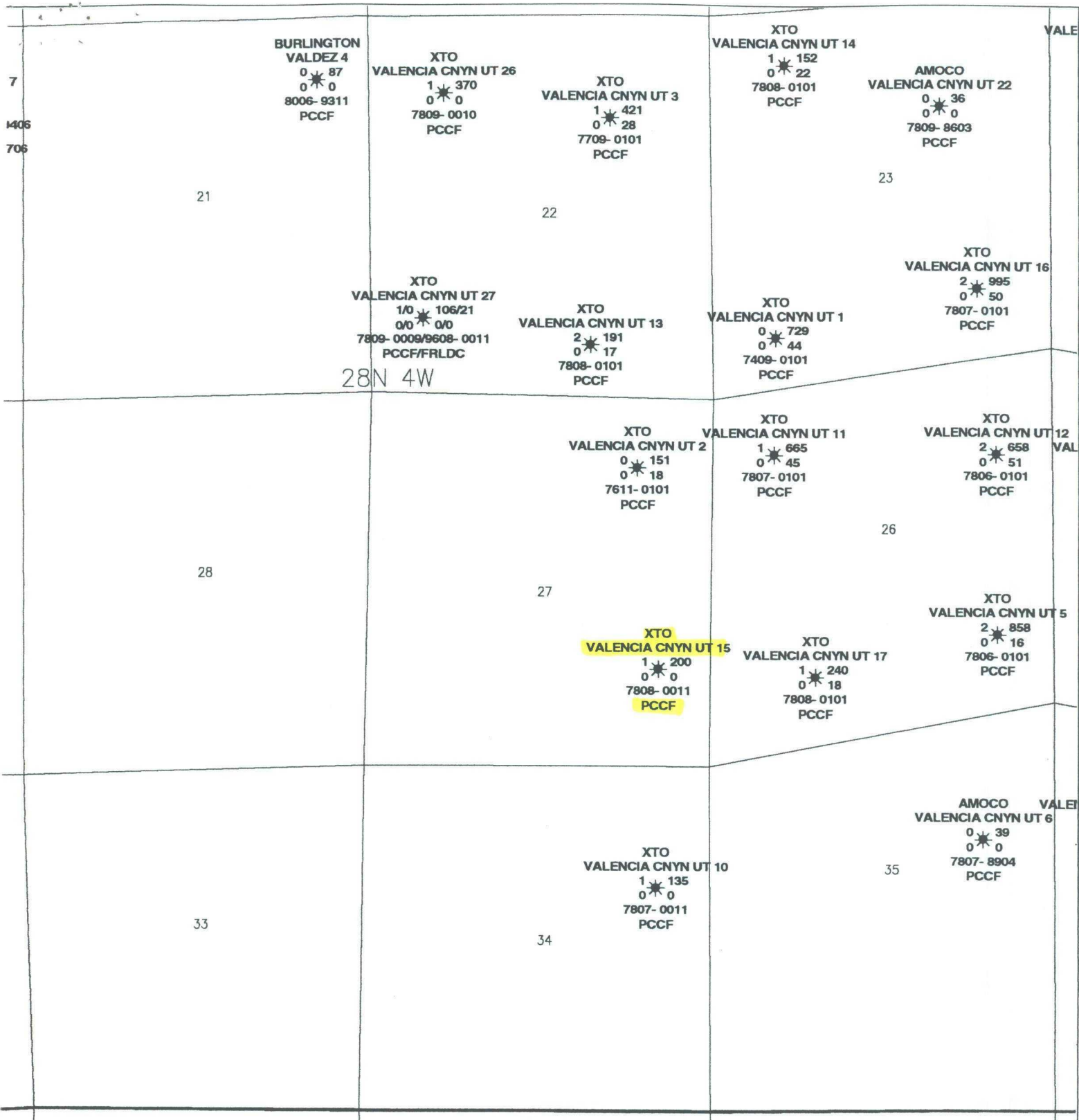


T28N



Scale 1:32000.





WELLS W/PRODUCTION

Operator
Well Name & Number
Cum Oil MBO ● Cum Gas MMCF
Curr Rate Bopd ● Curr Rate Mcfd
Start-End Date
Formation

XTO ENERGY

SAN JUAN COUNTY, NEW MEXICO
9 SECTION 27-28N-04W
FRUIT COAL & PICTURED CLIFFS

Johnny LeBon	B. Voigt	7/19/2001
Scale 1:24000.	1" = 2000'	27-28-04

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

08/07/01 08:38:16
OGOMES -TQB1
PAGE NO: 1

Sec : 27 Twp : 28N Rng : 04W Section Type : NORMAL

D 40.00	C 40.00	B 40.00	A 40.00
Federal owned	Federal owned	Federal owned	Federal owned
A			A
E 40.00	F 40.00	G 40.00	H 40.00
Federal owned	Federal owned	Federal owned	Federal owned

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION08/07/01 08:38:21
OGOMES -TQB1
PAGE NO: 2

Sec : 27 Twp : 28N Rng : 04W Section Type : NORMAL

L 40.00 Federal owned A	K 40.00 Federal owned A	J 40.00 Federal owned A	I 40.00 Federal owned A
M 40.00 Federal owned A	N 40.00 Federal owned A	O 40.00 Federal owned A	P 40.00 Federal owned A

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

CMD : ONGARD 08/07/01 08:38:31
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TQB1

API Well No : 30 39 21475 Eff Date : 01-01-1998 WC Status : A
Pool Idn : 74960 CHOZA MESA PICTURED CLIFFS (GAS)
OGRID Idn : 167067 CROSS TIMBERS OPERATING COMPANY
Prop Idn : 22849 VALENCIA CANYON UNIT

Well No : 015
GL Elevation: 7224

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: I	27	28N	04W	FTG 1450 F S	FTG 790 F E	P

Lot Identifier:

Dedicated Acre: 160.00

Lease Type : F

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD :	ONGARD	08/07/01 08:39:06
OG6IWCM	INQUIRE WELL COMPLETIONS	OGOMES -TQB1

API Well No : 30 39 21112 Eff Date : 01-01-1998 WC Status : A
Pool Idn : 74960 CHOZA MESA PICTURED CLIFFS (GAS)
OGRID Idn : 167067 CROSS TIMBERS OPERATING COMPANY
Prop Idn : 22849 VALENCIA CANYON UNIT

Well No : 002
GL Elevation: 7235

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : A	27	28N	04W	FTG 1050 F N	FTG 1140 F E		P

Lot Identifier:
Dedicated Acre: 160.00
Lease Type : F
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

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

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Cross Timbers Operating Company

3. Address and Telephone No.
6001 Hw 64, Farmington, NM 87401 (505) 632-5200

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1,050' FNL & 1,140' FEL, Unit A, Sec 27, T28N, R04W

RECEIVED
OCT 5 1998
OIL CON. DIV.
DIST. 3

5. Lease Designation and Serial No.
NMNM 014921

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Valencia Canyon Unit #2

9. API Well No.
300392111200

10. Field and Pool, or Exploratory Area
Pictured Cliffs

11. County or Parish, State
Rio Arriba, NM

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 Installation of rod pump	<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.)*

Cross Timbers Operating Company has completed workover operations on the above mentioned well. While on the well the following operations occurred as indicated. On 9-3-98, Tubing and the production packer were removed. A plug and packer were used to successfully pressure test (positive and negative) squeeze holes at depth of 925 feet. On 9-5-98, 2-3/8" tubing was landed at a depth of 4,234' KB. On 9-9-98, a downhole pump, new sucker rods and a Lufkin C57-11.6-42 pumping unit with motor were installed. On 9-11-98, the pumping unit was started and the well was returned to production.

RECEIVED
BLM
98 SEP 24 PM 12:09
070 FARMINGTON, NM

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

Signed [Signature] Title Production Engineer

Date 09/22/98

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title

Date

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 Instruction on Reverse Side

NMOC

FARMINGTON DISTRICT OFFICE

BY

[Signature]

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 and Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address CROSS TIMBERS OPERATING COMPANY 6001 Highway 64 Farmington, NM 87401		² OGRID Number 167067
		³ Reason for Filing Code Change of Operator 12/1/97 1/1/98
⁴ API Number 30-039-21112	⁵ Pool Name CHOZA MESA PC	⁶ Pool Code 74960
⁷ Property Code	⁸ Property Name VALENCIA CANYON UNIT	⁹ Well Number 2

II. 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
A	27	28N	04W		1050	N	1140	E	RA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description

RECEIVED
DEC 1 9 1997

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description

OIL CON. DIV.
DIST. 3

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTD	²⁹ Perforation	³⁰ DHC,DC,MC
³¹ Hole Size	³² Casing and Tubing Size	³³ Depth Set	³⁴ Sacks Cement		

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method
⁴⁷ I hereby certify that the rules 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. Signature: <i>Vaughn O. Vannerberg</i>			OIL CONSERVATION DIVISIO		
Printed Name: Vaughn O. Vannerberg, II			Approved by: Frank T. Chavez		
Title: Sr. Vice President-Land			Title: Supervisor District #3		
Date: December 1, 1997			Approval Date:		
Phone: (505) 632-5200					

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator	Amoco Production Company	OGRID# 000778
<i>Gail Jefferson</i>	Gail Jefferson	Senior Administrative Staff Assistant
Previous Operator Signature	Printed Name	Title
		Date
		12/01/97

EL PASO NATURAL GAS COMPANY
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO

NOTICE OF GAS CONNECTION

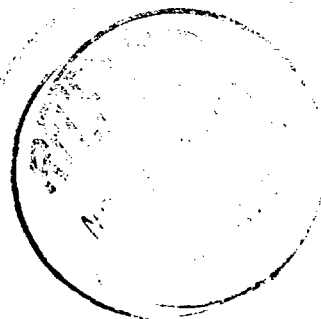
DATE November 15, 1976

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF

GAS FROM <u>Amoco Production Company</u>		<u>Valencia Canyon Unit #2</u>	
Operator		Well Name	
<u>89-433-01</u>	<u>20908-2</u>	<u>A</u>	<u>27-28-4</u>
Meter Code	Site Code	Well Unit	S-T-R
<u>Choza Mesa Pictured Cliffs</u>		<u>El Paso Natural Gas Company</u>	
Pool		Name of Purchaser	

WAS MADE ON November 5, 1976
DateFIRST DELIVERY November 12, 1976
DateAOF 531CHOKE 528El Paso Natural Gas Company
Purchaser[Signature]
RepresentativeChief Dispatcher
Titlecc: Operator Denver and Farmington
Oil Conservation Commission - 2
Proration - El Paso

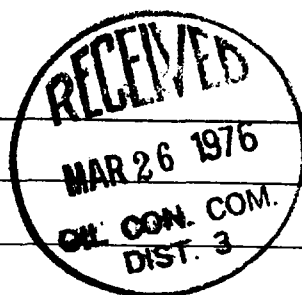
File



NO. OF COPIES RECEIVED		4
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SANTA FE		1
FILE		1
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	1
OPERATOR		1
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-1
Effective 1-1-65



I. Operator
AMOCO PRODUCTION COMPANY
Address
501 Airport Drive, Farmington, New Mexico 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)
add Trans.

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Valencia Canyon Unit	Well No. 2	Pool Name, Including Formation Choza Mesa Pictured Cliffs	Kind of Lease Federal	Lease No. NM 14921
Location Unit Letter A : 1050 Feet From The North Line and 1140 Feet From The East Line of Section 27 Township 28-N Range 4-W , NMPM, Rio Arriba 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, New Mexico 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:

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 9-4-75	Date Compl. Ready to Prod. 11-5-75	Total Depth 4347'	P.B.T.D. 4307'					
Elevations (DF, RKB, RT, CR, etc.) 7235' GL	Name of Producing Formation Pictured Cliffs	Top Oil/Gas Pay 4058'	Tubing Depth 4193'					
Perforations 4058-73', 4089-4100', 4168-82', 4190-98', 4216-52' x 1 SPF			Depth Casing Shoe 4347'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12-1/4"	8-5/8"	317'	200					
7-7/8"	4-1/2"	4347'	1250					
	2-3/8"	4193'						

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 528	Length of Test 3	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) Back Pressure	Tubing Pressure (Shut-in) 981	Casing Pressure (Shut-in) 0 (packer)	Choke Size 3/4"

VI. CERTIFICATE OF COMPLIANCE

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

William Milton by [Signature]
(Signature)
Area Administrative Supervisor
(Title)
March 25, 1976
(Date)

OIL CONSERVATION COMMISSION

APPROVED *4/1/76 3-30-76* APR 1 1976
BY *[Signature]*
TITLE PETROLEUM REGULATORY DIST. NO. 3

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 or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

NM 14921

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Valencia Canyon

8. FARM OR LEASE NAME

Valencia Canyon Unit

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Choza Mesa Pictured Cliffs

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

**NE/4 NE/4 Section 27,
T-28-N, R-4-W**

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

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 Drive, Yarmington, New Mexico 87401

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

At surface

1050' FNL & 1140' FEL, Section 27, T28N, R4W

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUDDED

9-4-75

16. DATE T.D. REACHED

9-10-75

17. DATE COMPL. (Ready to prod.)

11-5-75

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

7235' GL

19. ELEV. CASINGHEAD

7235'

20. TOTAL DEPTH, MD & TVD

4347'

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

4307'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

Surf-TD

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

Pictured Cliffs 4058-4252'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Density, Induction Electrical, Correlation, Cement Bond

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"	36.7	317'	12-1/4"	200 sx	None
4-1/2"	10.5	4347'	7-7/8"	1250 sx	None

NOV 12 1975

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	4193'	3972'

31. PERFORATION RECORD (Interval, size and number)

4058-73'**4089-4100'****x 1 SPF****4168-82'****4190-98'****4216-52'**

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

DEPTH INTERVAL (MD)

4058-4252'

AMOUNT AND KIND OF MATERIAL USED

**4500 gal trt water pad & SWF
x 90,000 gal fluid, 40,000 lbs.
20-40 sn & 50,000 lbs. 10-20 sn.
Dropped 45 ball sealers midway
thru frac.**

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
10-20-75	Flowing	Shut In

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-5-75	3 hr.	3/4"	→		66		

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
44 psia		→		528 MCFD		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

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

Area Adm. Supvr.

DATE

November 11, 1975

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

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 FORTH 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	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Pictured Cliffs	4049'	4252'	Natural Gas	Ojo Alamo Kirtland Fruitland Pictured Cliffs	1997' 3530' 3960' 4049'	

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 11-5-75				
Company AMOCO PRODUCTION CO.				Connection None					
Pool Choza Mesa				Formation Pictured Cliffs				Unit	
Completion Date 10-29-75		Total Depth 4347		Plug Back TD 4307		Elevation 7235		Farm or Lease Name Valencia Canyon Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4347	Perforations: From 4058 To 4252			Well No. 2		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4193	Perforations: From Open To Ended			Unit Sec. Twp. Rge. A 27 28 4		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 3972		County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. °F 112° @ 4348		Mean Annual Temp. °F Est. 60°		Baro. Press. - P _a 12 psia est.		State New Mexico	
L 3972	H 3972	Gg .65	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	XXXXX Line Size	X XXXXX Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 days	Choke				981				
1.	2-inch	0.750				32	60° Est.			3 Hrs.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		44	1.000	.9608	1.011	528
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 993	P _c ² 986,049				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0065$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0056$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1		80	6400	979,649		
2						
3						
4						
5						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope _____	Slope, n _____ 85
Remarks: _____					
Approved By Commission:		Conducted By: T. M. Oliver		Calculated By: D. B. Lindley	
				Checked By: H. D. Montgomery	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-14921

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Valencia Canyon

8. FARM OR LEASE NAME

Valencia Canyon Unit

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Choza Mesa Pictured Cliffs

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

NE/4 NE/4 Section 27,

T-28-N, R-4-W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

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 "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

301 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1050' FNL & 1140' FEL, Section 27, T-28-N, R-4-W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7235' GL

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☒SHOOTING OR ACIDIZING ☒(Other) Repair casing leakREPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)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 perti-
nent to this work.) *

Moved in service unit 9-24-75, ran 2-3/8" tubing, tagged cement at 4312' and circulated hole clean. Pressured casing to 3800 psi. Held 8 minutes and gave way with pressure dropping to 0 immediately. 9-26-75 Set a 4-1/2" Model "C" full bore packer at 515'. Searched for and found hole at 925'. Pressured up with 1500 psi and packer did not hold. Pulled tubing and packer. 9-27-75 Reran tubing with packer set at 515'. Pressured up on annulus to 1500 psi for 15 minutes OK. Cement squeezed with 250 sacks cement with 2% CaCl₂. Circulated cement out bradenhead. Closed bradenhead valve and squeezed 50 sacks into formation. Flushed out bradenhead valve. Maximum pressure on casing and tubing 1500 psi. Pulled tubing and packer and WOC 23 hours. Ran tubing and tagged cement at 795'. Drilled cement to 925' and fell out. Tested casing to 1000 psi and bled to 150 psi in 15 minutes. Pumped into formation at 5 BPM at 1300 psi. WOC. Set a 4-1/2" Model "C" full bore packer at 931' and pressured below packer to 1500 psi OK. Reset packer at 871'. Tested above packer with 1500 psi OK. Pumped in below packer at 4 BPM with 1000 psi. Reset packer at 513' and pressured backside to 1500 psi. Squeezed with 100 sacks Class "B" cement with 2% CaCl₂ at 1/2 BPM on 9-29-75. WOC 36 hours. Tagged cement at 516' and drilled cement to 930' and fell out. Tested 4-1/2" casing to 1000 psi and dropped 300 psi in 1 hour. Ran tubing with packer set at 515'. Pressured backside to 1000 psi. 10-2-75 squeezed hole in 4-1/2" casing at 925' with 65 sacks Class "B" cement with 3% CaCl₂ at 2-1/4 BPM with 1300 psi. Maximum pressure 2000 psi. Pulled packer to 290' and set. Pressured backside to 1000 psi and below packer to 2000 psi. WOC. Ran tubing and tagged cement at 590'. Drilled cement to 930' and fell out. Cleaned out hole to 4307' PBD.

(see page 2)

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

SIGNED

G. L. Hamilton

TITLE

Area Adm. Supvr.

DATE

October 30, 1975

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OCT 31 1975

*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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.

10-5-75 perforated intervals 4216-52', 4190-98', 4168-82', 4089-4100' and 4058-73' with 1 SPF. Set a retrievable bridge plug at 4270 with 4-1/2" Model "EA" retrievable packer and tubing tester on tubing. Circulated hole with 1% KCl water. Tested tubing to 5000 psi OK. Spotted 500 gallons 15% HCl over perfs 4168-4252'. Set packer at 4150'. BDP 1100 psi. AIR 5-1/2 BPM at 1500 psi. Released packer and bridge plug and reset at 4150'. Spotted 500 gallons 15% HCl over perfs 4058-4100'. Set packer at 4032' and pressured annulus to 600 psi. BDP 500 psi. AIR 5 BPM at 1550 psi. Released packer and bridge plug. Set packer at 3970'. 10-7-75 fraced down tubing with frac fluid containing 20 lbs. Gel per 1000 gallons with 1% KCl. Pumped in a pad of 4500 gallons treated water and fraced with total of 90,000 gallons fluid, 40,000 lbs. 20-40 sand and 50,000 lbs. 10-20 sand. Dropped 45 ball sealers midway thru frac. Average treating pressure 3900 psi with AIR 25 BPM. Ran tubing 2-3/8" and cleaned out sand to 4307' PBD. 10-9-75 set a 4-1/2" Lok-Set packer on 2-3/8" tubing with tubing set at 4193' KB and packer set at 3972' KB.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	5. LEASE DESIGNATION AND SERIAL NO. NH-14921
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401	7. UNIT AGREEMENT NAME Valencia Canyon
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1050' FWL & 1140' FWL, Section 27, T-28-N, R-4-W	8. FARM OR LEASE NAME Valencia Canyon Unit
14. PERMIT NO.	9. WELL NO. 2
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7235' GL	10. FIELD AND POOL, OR WILDCAT Chosa Mesa Pictured Cliffs
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NH/4 NH/4 Section 27, T-28-N, R-4-W
	12. COUNTY OR PARISH Rio Arriba
	13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

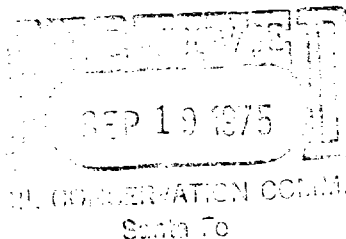
ABANDONMENT*

Set Casing

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

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.)*

The subject well was drilled to a total depth of 4347' on 9-10-75. The 4-1/2" casing was set at 4347' and cemented with 1150 sacks Class "B" 50-50 Fox with 6% Gel and 2 pounds Tuf Plug per sack followed with 100 sacks Class "B" Neat on 9-10-75. The cement did not circulate.



ILLEGIBLE

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

SIGNED

*B. L. Hamilton*TITLE **Area Adm. Supvr.**DATE **September 12, 1975**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

M-14921

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Valencia Canyon

8. FARM OR LEASE NAME

Valencia Canyon Unit

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Chona Mesa Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREANE 1/4 NE 1/4 Section 27,
T-28-N, R-4-W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

1.

OIL ☐ GAS ☒
WELL WELL OTHER

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

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

See also space 17 below.)
At surface

1050' FWL & 1140' FWL, Section 27, T-28-N, R-4-W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7235' GL

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

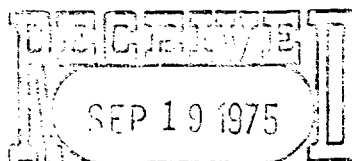
ABANDONMENT*

Spud & set casing

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

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.)*

A 12-1/4" hole was spudded 11:00 p.m., 9-4-75 and drilled to 318'. The 8-5/8" casing was set at 317' with 200 sacks Class "B" Neat cement on 9-5-75. Circulated 20 sacks cement. WOC and resumed drilling.

OIL CONSERVATION COMM.
Santa Fe

SEP 11 1975

U. S. GEOLOGICAL SURVEY
DURAND 1210.

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

SIGNED

TITLE

Area Adm. Supvr.

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Sept. 10, 1975

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-21112

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

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

At surface

1050' PBL & 1140' VEL, Section 27, T-28-N, R-4-W

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

42 miles southeast from Blanco, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1050'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2700'

19. PROPOSED DEPTH

4200'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7235' GL (est.)

22. APPROX. DATE WORK WILL START*

September 1975

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	36#	300'	200 sk
6-3/4"	4-1/2"	10.5#	4200'	400 sk

Amoco proposes to drill the above well to develop the Pictured Cliffs reservoir. The well will be drilled using rotary tools with mud as the circulating media. Casing will be set through the Pictured Cliffs formation, and perforation and stimulation will be determined on analysis of open hole logs.

Copy of Location Plat, Development Plan, U. S. Forest Permit, Topomap and location sketch are attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Area Adm. Supvr.

DATE

June 26, 1975

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



**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 Amoco Production Company			Lease Valencia Canyon Unit		Well No. 2
Unit Letter A	Section 27	Township 28N	Range 4W	County Rio Arriba	
Actual Footage Location of Well:					
1050		feet from the North	line and	1140	feet from the East line
Ground Level Elev. 7235 est.	Producing Formation Pictured Cliffs		Pool Choza Mesa Pictured Cliffs ext	Dedicated Acreage 160	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

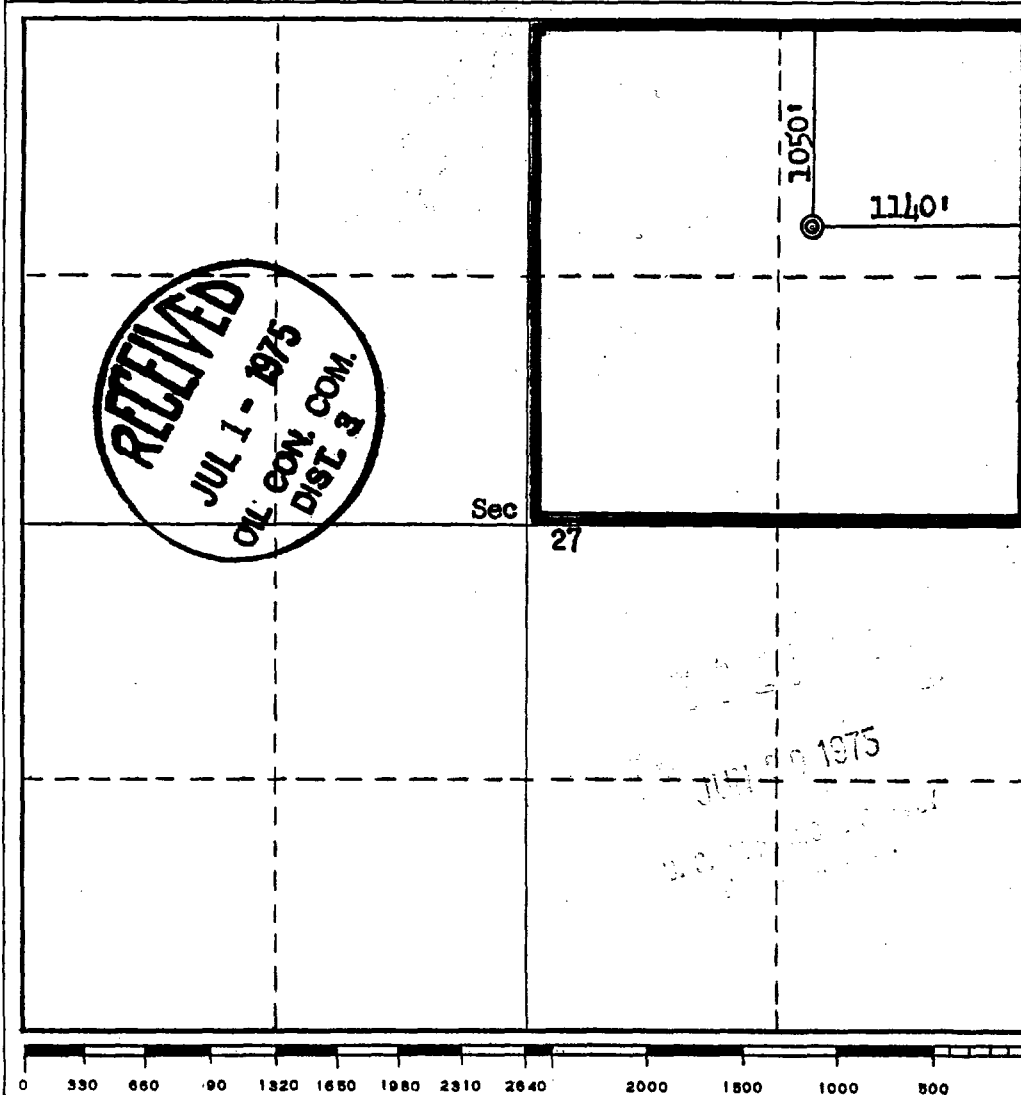
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 unit - 8 - 1975

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	G. L. Hamilton
Position	Area Adm. Supvr.
Company	AMOCO PRODUCTION COMPANY
Date	April 21, 1975
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	April 17, 1975
Registered Professional Engineer and/or Land Surveyor	Fred B. Kerr Jr.
Certificate No.	3950

8-7-2001



State of New Mexico
OIL CONSERVATION COMMISSION

From

MICHAEL E. STOGNER
PETROLEUM ENGINEER

Memo

To: *Steve Hayden*

*Attached is a copy of an
NSL application that wasn't
copied to the Aztec District
Office.*

*Please review and send your
comments by 8-27-2001.*

Thanks

P.O. BOX 1088
LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
505-827-5811

DATE IN 8/6/01	DATE OUT 8/27/01	ENGINEER MS	LOGGED IN KN	TYPE NSL	APP NO. 121854256
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication

☒ NSL ☐ NSP ☐ SD

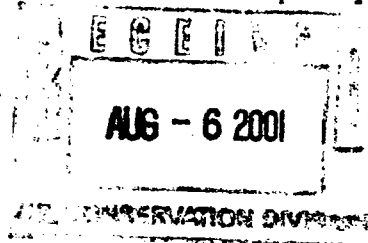
Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR



[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Certification

I hereby certify that I, or personnel under my supervision, have reviewed the applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common.

I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Tim Welch
Print or Type Name

Tim Welch
Signature

Senior Landman 8/3/01
Title Date

tim_welch@xtocenergy.com
e-mail Address



August 3, 2001

Mr. Michael E. Stogner
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

FEDERAL EXPRESS

**Re: Administrative Approval of Unorthodox Location
Valencia Canyon Unit #15 Well (API #30-039-21475)
790' FEL & 1,450' FSL (Unit I) of Sec. 27-T28N-R4W
Rio Arriba County, New Mexico**

Dear Mr. Stogner:

XTO Energy Inc. hereby requests administrative approval for an unorthodox location of its Valencia Canyon Unit #15 well under the provisions of NMOCD Order #R-8768A.

The Valencia Canyon Unit #15 well was originally drilled and completed as a Choza Mesa Pictured Cliffs well in 1978 at a legal location 790' FEL & 1,450' FSL of Section 27-T28N-R4W, Rio Arriba County, New Mexico. The well is shut-in currently and not producing for economical reasons. The proposed work will involve setting a cast iron bridge plug capped with cement above the Pictured Cliffs formation to abandon the current perforations. The well will then be completed in the Fruitland Coal formation.

Our review of the logs indicates that the Fruitland Coal formation may be productive in this wellbore. In order to avoid unnecessary expense, minimize environmental impact and capture these reserves, XTO is making plans to reenter the subject well and recomplete it as a Fruitland Coal well. Our planned spacing unit would be the S/2 of Section 27, being 320 acres, more or less.

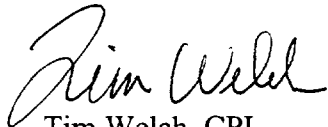
Since NMOCD Order # R-8768A calls for Fruitland Coal wells to be located in the NE/4 or SW/4 of a governmental section, an exception to this requirement is requested. None of the offsetting 320-acre spacing units have been developed in the Fruitland Coal formation.

A copy of this application is being sent to all offset Fruitland Coal leasehold owners by certified mail.

Attached is a plat showing dedicated acreage and a map showing offset owners. Should you need additional information, please contact me at (817) 885-2661.

NMOCD
August 3, 2001
Page 2

Very truly yours,

A handwritten signature in cursive script, appearing to read "Tim Welch".

Tim Welch, CPL
Senior Landman
XTO Energy Inc.

Enclosures

OFFSETTING OWNER

1. Burlington Resources Oil & Gas Company LP
P.O. Box 4289
Farmington, New Mexico 87499-4289

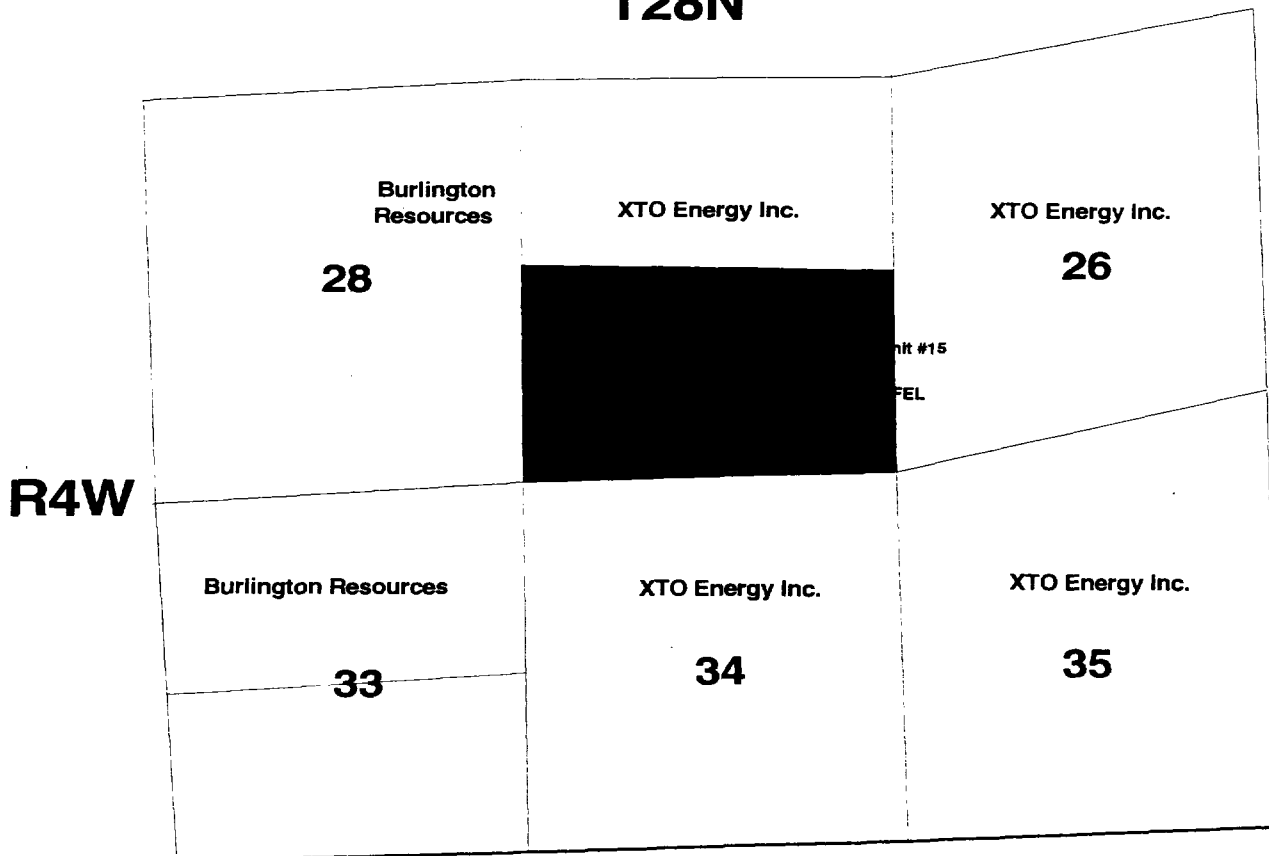
Certified # 9850 1421

State of New Mexico
Energy, Minerals & Natural Resources Department

XTO ENERGY INC.
OFFSET OWNER PLAT
Valencia Canyon Unit #15 Well
Fruitland Coal Unit
790' FEL & 1,450' FSL
Section 27-T28N-R4W
Rio Arriba County, New Mexico



T28N



Scale 1:32000.

