

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 CHECKLIST

THIS CHECKLIST 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

[D] Other: Specify _____

[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] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

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

George A. Cox
 Print or Type Name

George A. Cox
 Signature

LANDMAN
 Title

11-6-01
 Date

GEORGE COX @ XTOENERGY.COM
 e-mail Address

01 NOV - 9 PM 5:05
 CLERK OF THE COURT



November 6, 2001

CERTIFIED MAIL:

Michael E. Stogner
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

RE: Request for Administrative Approval of an Unorthodox Location
XTO Energy Inc.'s Bolack C LS #7 Well
1,840' FNL and 918' FWL (W/2)
Unit E, Section 33-T27N-R8W
San Juan County, New Mexico
Basin Fruitland Coal

Dear Mr. Stogner:


XTO Energy Inc. hereby request administrative approval of an unorthodox gas well location for the above referenced well. Attached for your reference are the following exhibits:

1. Well Location plat (NMOCD Form C-102).
2. Ownership Map with Offset Operators for the Basin Fruitland Coal formation.
3. Production map of the Basin Fruitland Coal Formation.

The above captioned well was drilled and completed on October 4, 1956 as a W/2, 320 acre producing Pictured Cliffs unit. XTO would like to move up the wellbore and recomple the well in the Basin Fruitland Coal formation. The pool rules state that a well pattern for the section shall be a NE/4 or SW/4 location. The existing location will not conform to the current pattern requirement. A new well would not be economically feasible to drill for just the Basin Fruitland Coal formation. The current wellbore is in acceptable condition for the recompletion attempt with no additional work being required. By moving up the hole to the Basin Fruitland Coal formation, XTO would be able to minimize environmental impact in obtaining additional production and protection of waste and correlative rights.

By certified mail, a copy of this application and request for administrative approval has been sent to all Basin Fruitland Coal offsetting operators. We look forward to your approval and should you have any questions, please contact me at (817) 885-2454.

Sincerely,
XTO ENERGY INC.


George A. Cox, CPL
Landman

Cc: Gary Markestad – Farmington
Jeff Patton - Farmington
Barry Voigt – Fort Worth
Offset Operators/Owners

OFFSET OPERATOR/OWNERS
BOLACK C LS #7 WELL

Burlington Resources
P.O. Bcx 4289
Farmington, NM 87499-4289
Attention: Dawn Howell

Conoco, Inc.
P.O. Bcx 2197, DU 3078
Houston, TX 77252
Attention: Eva Rodriguez

Chateau Energy Inc.
5950 Berkshire Lane #275
Dallas, Texas 75225-5846

Merchant Resources
Two Greenspoint Park, Suite 380-S
16800 Greenspoint Park Drive
Houston, TX 77060

Taurus Exploration USA Inc.
2198 Bloomfield Hwy
Farmington, NM 87404
Attention: Rich Corcoran

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, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-06143	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code	⁵ Property Name Bolack C LS	⁶ Well Number 7
⁷ OGRID No. 167067	⁸ Operator Name XTO Company Inc.	⁹ Elevation 6.697'

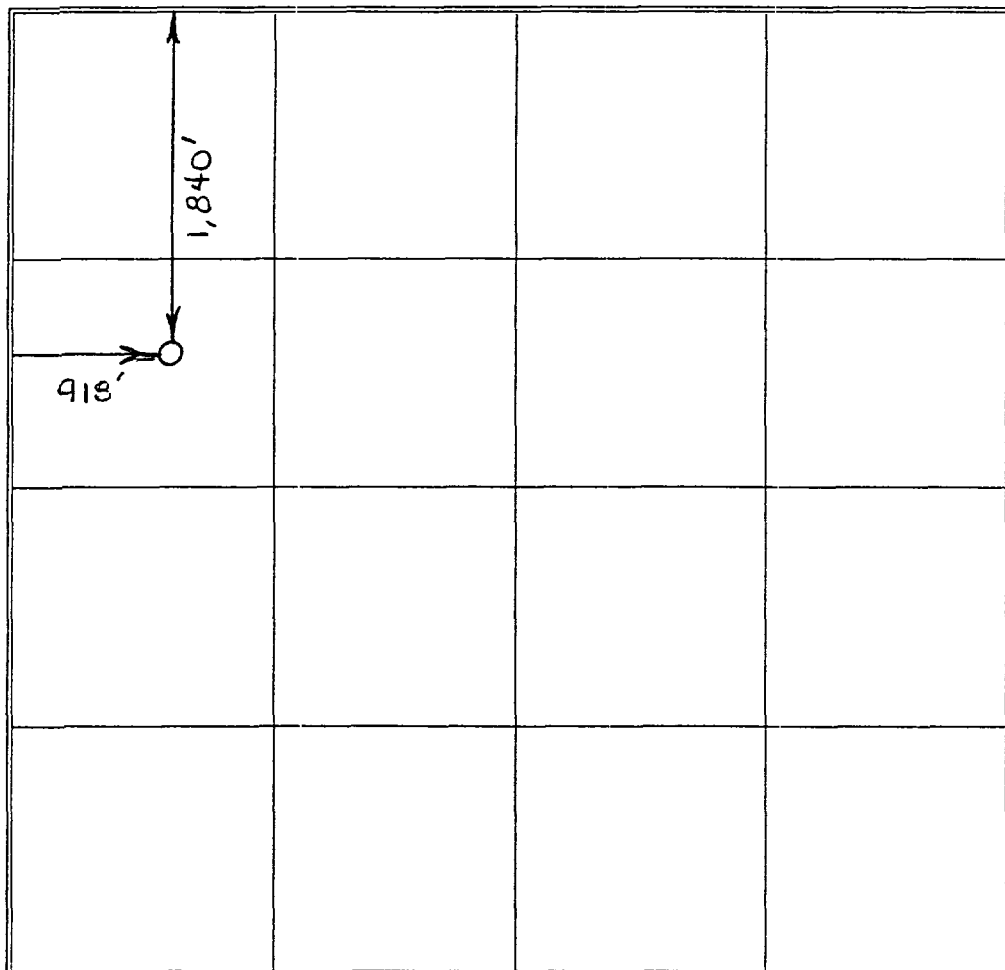
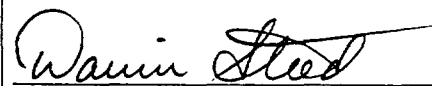
¹⁰ Surface Location

UL or lot no. E	Section 33	Township 27N	Range 8W	Lot. Idn	Feet from the 1,840'	North/South Line North	Feet from the 918'	East/West line East	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

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

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

	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Darrin Steed Printed Name Operations Engineer Title 11/1/01 Date
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> June 6, 1956 Date of Survey Signature and Seal of Professional Surveyor: Original signed by BO Walker 1007 Certificate Number

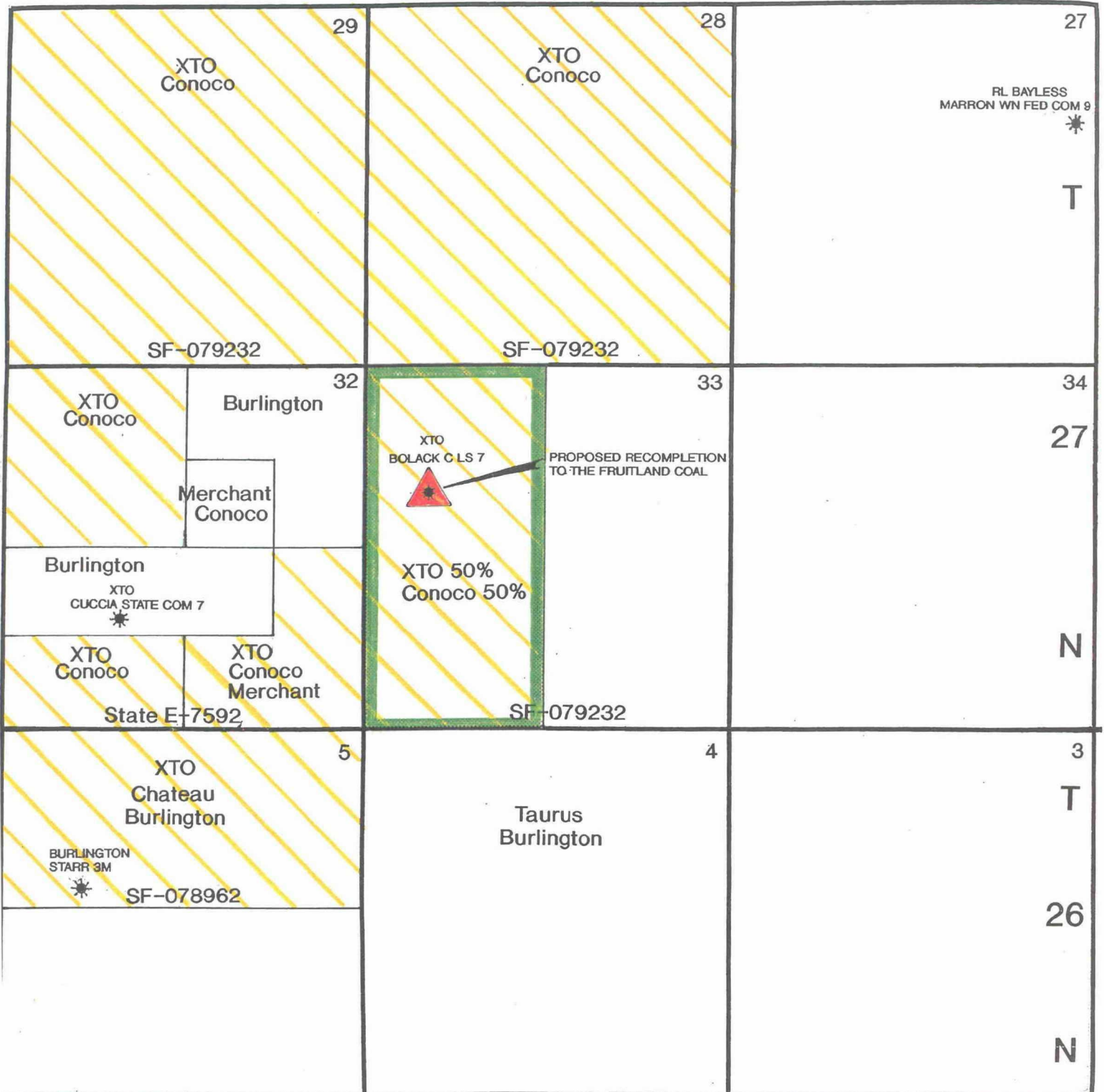


SECTION PLAT OF 9 SQUARE MILES

STATE: New Mexico COUNTY: San Juan
PROSPECT: FRUITLAND COAL FORMATION DATE: 11/2/2001
SECTIONS: _____ BLOCK: _____ SURVEY: _____
ACRES: _____ TOWNSHIP: 27North RANGE: 8West

SCALE: 1"=2,000'

R-8-W



RL BAYLESS
MARRON WN FED COM 9
0 12
0 5
9104- 0104
FRLDC

29

28

27

9

XTO
BOLACK C LS 7
0 173
0 2
5610- 0104
PCCF

Proposed Recompletion
To The Fruitland Coal

32

33

34

XTO
CUCCIA STATE COM 7
0 6
0 1
9902- 0102
FRLDC

BURLINGTON
STARR 3M
0 319
0 168
9601- 0104
FRLDC

5

4

3

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 Inc.

SAN JUAN COUNTY, NEW MEXICO
9 SECTION - 33-27N-8W
FRLDC WELLS INCLUDING PROP. RECOMPL.

Johnny LeBon	B. Voigt	10/20/2001
Scale 1:24000	1" = 2000'	33-27-8



November 6, 2001

CERTIFIED MAIL:

Burlington Resources
P.O. Box 4289
Farmington, NM 87499-4289
Attention: Dawn Howell

RE: Request for Administrative Approval of an Unorthodox Location
XTO Energy Inc.'s Bolack C LS #7 Well
1,840' FNL and 918' FWL (W/2)
Unit E, Section 33-T27N-R8W
San Juan County, New Mexico
Basin Fruitland Coal

Dear Dawn:

XTO Energy Inc. has filed the attached application for administrative approval of the above location with the New Mexico Oil Conservation Division. If you object to the application, you must file a written objection with the Oil Conservation Division within 20 days of the date the application was filed.

Sincerely,
XTO ENERGY INC.

A handwritten signature in cursive script, appearing to read 'George A. Cox'.

George A. Cox, CPL
Landman

Enclosures



November 6, 2001

CERTIFIED MAIL:


Conoco, Inc.
P.O. Box 2197, DU 3078
Houston, TX 77252
Attention: Eva Rodriguez

RE: Request for Administrative Approval of an Unorthodox Location
XTO Energy Inc.'s Bolack C LS #7 Well
1,840' FNL and 918' FWL (W/2)
Unit E, Section 33-T27N-R8W
San Juan County, New Mexico
Basin Fruitland Coal

Dear Eva:

XTO Energy Inc. has filed the attached application for administrative approval of the above location with the New Mexico Oil Conservation Division. If you object to the application, you must file a written objection with the Oil Conservation Division within 20 days of the date the application was filed.

Sincerely,
XTO ENERGY INC.



George A. Cox, CPL
Landmar.

Enclosures



November 6, 2001

CERTIFIED MAIL:

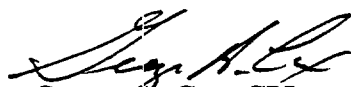
Chateau Energy Inc.
5950 Berkshire Lane #275
Dallas, Texas 75225-5846

RE: Request for Administrative Approval of an Unorthodox Location
XTO Energy Inc.'s Bolack C LS #7 Well
1,840' FNL and 918' FWL (W/2)
Unit E, Section 33-T27N-R8W
San Juan County, New Mexico
Basin Fruitland Coal

Gentlemen:

XTO Energy Inc. has filed the attached application for administrative approval of the above location with the New Mexico Oil Conservation Division. If you object to the application, you must file a written objection with the Oil Conservation Division within 20 days of the date the application was filed.

Sincerely,
XTO ENERGY INC.


George A. Cox, CPL
Landman

Enclosures



November 6, 2001

CERTIFIED MAIL:

Merchant Resources
Two Greenspoint Park, Suite 380-S
16800 Greenspoint Park Drive
Houston, TX 77060

RE: Request for Administrative Approval of an Unorthodox Location
XTO Energy Inc.'s Bolack C LS #7 Well
1,840' FNL and 918' FWL (W/2)
Unit E, Section 33-T27N-R8W
San Juan County, New Mexico
Basin Fruitland Coal

Gentlemen:

XTO Energy Inc. has filed the attached application for administrative approval of the above location with the New Mexico Oil Conservation Division. If you object to the application, you must file a written objection with the Oil Conservation Division within 20 days of the date the application was filed.

Sincerely,
XTO ENERGY INC.

A handwritten signature in black ink, appearing to read 'George A. Cox'.

George A. Cox, CPL
Landman

Enclosures



November 6, 2001

CERTIFIED MAIL:


Taurus Exploration USA Inc.
2198 Bloomfield Hwy
Farmington, NM 87404
Attention: Rich Corcoran

RE: Request for Administrative Approval of an Unorthodox Location
XTO Energy Inc.'s Bolack C LS #7 Well
1,840' FNL and 918' FWL (W/2)
Unit E, Section 33-T27N-R8W
San Juan County, New Mexico
Basin Fruitland Coal

Gentlemen:

XTO Energy Inc. has filed the attached application for administrative approval of the above location with the New Mexico Oil Conservation Division. If you object to the application, you must file a written objection with the Oil Conservation Division within 20 days of the date the application was filed.

Sincerely,
XTO ENERGY INC.


George A. Cox, CPL
Landman

Enclosures

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Dawn Howell
Burlington Resources Oil & Gas Co
P. O. Box 4289
Farmington, NM 87499-4289
GAC: 11/06/01: Bolack C LS #7

2. Article Number
(Transfer from service label)

7001 0320 0004 8336 5107

PS Form 3811, August 2001

Domestic Return Receipt

102595-01-M-2509

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.4. Restricted Delivery? (Extra Fee) ☐ Yes**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Conoco Inc.
600 North Dairy Ashford
DU 3076
Houston, TX 77079-1175
GAC: 11/06/01: Bolack C LS #7

2. Article Number
(Transfer from service label)

7001 0320 0004 8336 5091

PS Form 3811, August 2001

Domestic Return Receipt

102595-01-M-2509

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.4. Restricted Delivery? (Extra Fee) ☐ Yes**SENDER: COMPLETE THIS SECTION**

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Chateau Energy Inc.
5950 Berkshire Lane #275
Dallas, TX 75225-5846
GAC: 11/06/01: Bolack C LS #7

2. Article Number
(Transfer from service label)

7001 0320 0004 8336 5084

PS Form 3811, August 2001

Domestic Return Receipt

102595-01-M-2509

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Taurus Exploration USA Inc.
2198 Bloomfield Hwy
Farmington, NM 87404
Attn: Rich Corcoran
GAC 11 06 01:Black CTS #7

2. Article Number

(Transfer from service label)

7001 0320 0004 8336 5060

PS Form 3811, August 2001

Domestic Return Receipt

102595-01-M-2509

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Merchant Resources
Two Greenspoint Park, Suite 380-S
16800 Greenspoint Park Drive
Houston, TX 77060
GAC 11 06 01:Black CTS #7

2. Article Number

(Transfer from service label)

7001 0320 0004 8336 5077

PS Form 3811, August 2001

Domestic Return Receipt

102595-01-M-2509

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

11-13-2001



State of New Mexico
OIL CONSERVATION COMMISSION

From

MICHAEL E. STOGNER
PETROLEUM ENGINEER

Memo

To *Steve Hazelton*

*There are three (copies)
XTC applications filed on
Nov. 8th for review and
comment. Thanks*

A handwritten signature in cursive script, appearing to read "M. S.", located at the bottom right of the memo.

P.O. BOX 2088
LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
505-827-5811

Stogner, Michael

From: Stogner, Michael
Sent: Tuesday, November 27, 2001 4:41 PM
To: Hayden, Steven
Subject: XTO Energy NSL Applications

I will probably commence reviewing XTO's four pending applications tomorrow. Are there any comments and/or concerns?

Stogner, Michael

From: Hayden, Steven
Sent: Wednesday, November 28, 2001 9:02 AM
To: Stogner, Michael
Subject: RE: XTO Energy NSL Applications

Mike,
I am OK with the Schwerdtfeger A #12B and the Berger # 2E. The T.L. Rhodes C #1 is OK by me except that if the rules read as they stated in the application, it would not be NSL. XTO states that the rules say a well cannot be within 150' of the center of a 1/4, 1/4 section when what the rules say is that it must be within 150' of the center.
On the Bolack C LS #7 application, they have an existing Mesaverde well in L-33-27N-8W, the Bolack C LS #15 that has 7 5/8" intermediate set at 2869' with a 5 1/2 liner at 2869'. The Fruitland Fm is from 2505'-2736' in this hole. I wonder if they considered this hole as it is a standard location.



Steve Hayden
NM OCD District III
1000 Rio Brazos Rd.
Aztec, NM 87410

shayden@state.nm.us
(505) 334-6178 Ext. 14
Fax: (505) 334-6170

-----Original Message-----

From: Stogner, Michael
Sent: Tuesday, November 27, 2001 4:41 PM
To: Hayden, Steven
Subject: XTO Energy NSL Applications

I will probably commence reviewing XTO's four pending applications tomorrow. Are there any comments and/or concerns?

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

SF-079232

6. If Indian, Allottee or Tribe Name

8 52

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Bolack C LS

#7

9. API Well No.

3004506143

10. Field and Pool, or Exploratory Area

Blanco Pictured Cliffs South

11. County or Parish, State

San Juan

New Mexico

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

Gail M. Jefferson, Room 1942

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-6157

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1840 FNL

918 FWL

Sec. 33 T 27N R 8W

Unit E

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

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Return to Production

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ 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.)*

Amoco Production Company notified you September 7, 1994 of it's intent to plug and abandon the above referenced well and the BLM approved that request on September 8, 1994. Amoco has decided not to plug this well and is notifying the BLM that this well was never shut-in and has continued to produce.

RECEIVED
FEB 24 1995
OIL COR. DIV.
BUREAU

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

Signed

Gail M. Jefferson

Title

Business Assistant

Date

02-16-1995

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

ACCEPTED FOR RECORD

Date

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

FEB 28 1995

FARMINGTON DISTRICT OFFICE

7V

MOOD

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 RioBrazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Engery, 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 11/1/98
⁴ API Number 30-045-06143	⁵ Pool Name S BLANCO PICTURED CLIFFS	⁶ Pool Code 72439
⁷ Property Code	⁸ Property Name BOLACK C LS	⁹ Well Number 7

II. ¹⁰ Surface Location

Ul or lot no. E	Section 33	Township 27N	Range 08W	Lot.Idn	Feet from the 1840	North/South Line N	Feet from the 918	East/West line W	County SJ
---------------------------	----------------------	------------------------	---------------------	---------	------------------------------	------------------------------	-----------------------------	----------------------------	---------------------

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 19 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 PBTB	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. Vennerberg</i>			OIL CONSERVATION DIVISIO		
Printed Name: Vaughn O. Vennerberg, 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
Gail Jefferson **Gail Jefferson** **Amoco Production Company** **OGRID# 000778**
Senior Administrative Staff Assistant **12/01/97**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONSERVATION DIVISION
RECEIVED

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

WAYNE BRANAM, RM 1220

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-4912

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1840 FNL 918 FWL Sec. 33 T 27N R 8W

5. Lease Designation and Serial No.

2 52 SF-079232

8. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

9. Well Name and No.

BOLACK C LS #7

9. API Well No.

3004506143

10. Field and Pool, or Exploratory Area

BLANCO PICTURED CLIFFS SOUTH

11. County or Parish, State

SAN JUAN NEW MEXICO

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

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)

RECEIVED
OCT - 3 1994
OIL CON. DIV.
DIST. 3

RECEIVED
OCT 11 1994
OIL CON. DIV.
DIST. 3

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

Signed

Wayne Branam

Title

BUSINESS ANALYST

Date

09 07 94

(This space for Federal or State office use)

Approved by

Title

APPROVED
AS AMENDED

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

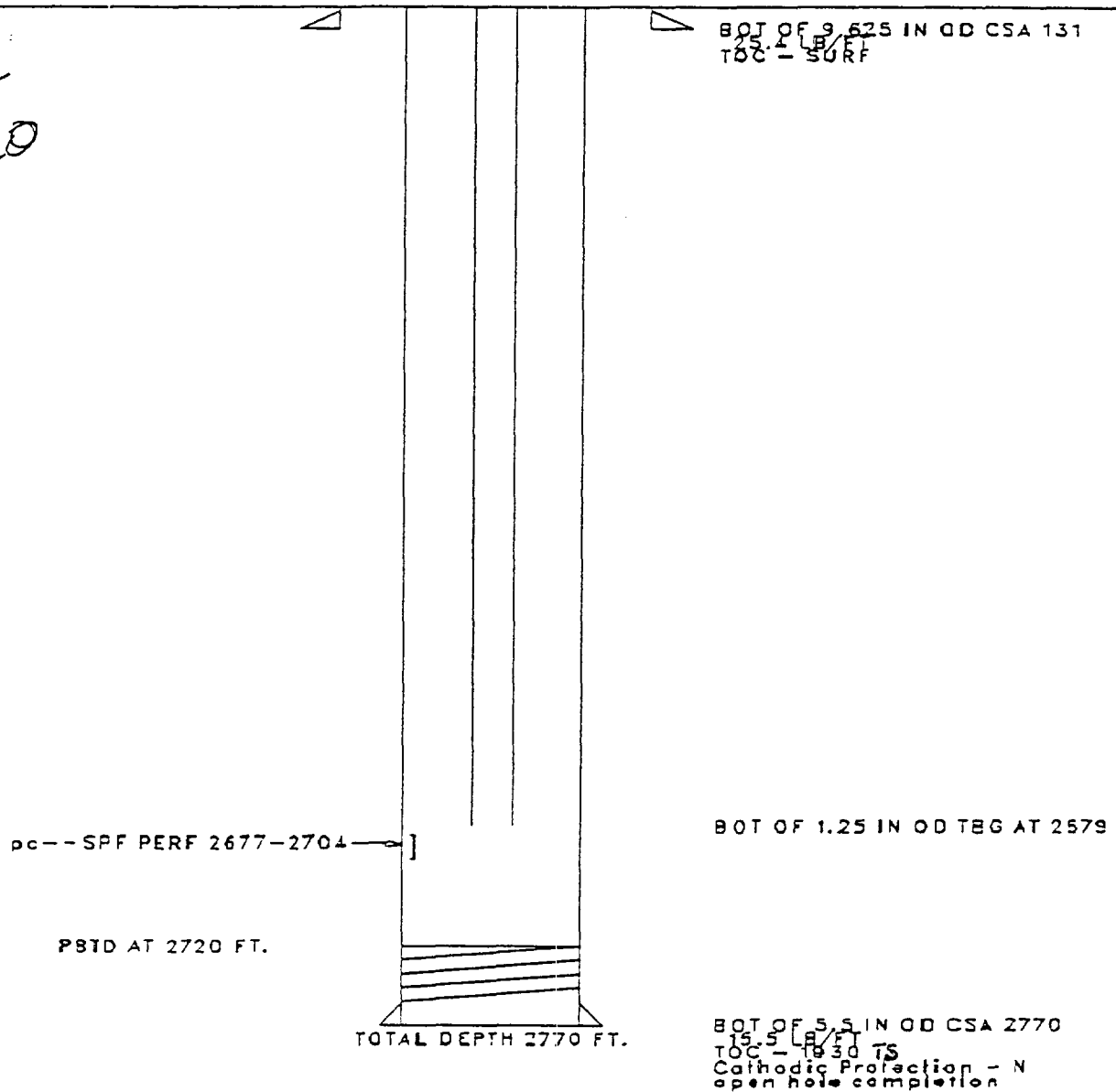
NMOCD

PXA Procedures
Bolack C LS #7

1. Check location for anchors. Install if necessary. Test anchors.
2. MIRUSU. Blow down well. Kill if necessary with fresh water. NDWH. NUBOP.
3. POOH with 1 1/4" tbg and lay down. RIH with 2 3/8" tbg and cement retainer, set retainer at 2627. Test casing integrity to 500#. Squeeze perfs at 2677' to 2704' with 32.277 cuft cement. Pull out of retainer and spot cement plug to 1900'. (151.102 cuft cement)
4. RIH with perf gun and shoot squeeze holes at 200' and circulate to surface. (101.04 cuft cement) Pull out and fill hole to surface with 40.08 cuft cement.
5. NDBOP. Cut off casing and wellhead. Install PXA marker according to BLM or State requirements.
6. Turn over to John Schwartz for reclamation.
7. Rehabilitate location according to BLM or State requirements.

BOLACK C LS 007 1196
Location - 33E-27N-8W
SINGLE pc
Orig. Completion - 10/56
Last File Update - 1/89 by BCB

FT 2435
KL 2020



OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator Amoco Production Company	Well API No. 3004506143
Address 1670 Broadway, P. O. Box 800, Denver, Colorado 80201	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Condensate <input type="checkbox"/>
Change in Operator <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/>

If change of operator give name and address of previous operator **Tenneco Oil E & P, 6162 S. Willow, Englewood, Colorado 80155**

II. DESCRIPTION OF WELL AND LEASE

Lease Name BOLACK C LS	Well No. 7	Pool Name, Including Formation BLANCO SOUTH (PICT CLIFFS)	FEDERAL	Lease No. SF079232
Location				
Unit Letter E	1840	Feet From The FNL	Line and 918	Feet From The FWL
Section 33	Township 27N	Range 8W	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 checked="" 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 1492, EL PASO, TX 79978
If well produces oil or liquids, give location of tanks.	Unit Soc. Twp. Rge. Is gas actually connected? When?

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
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RAB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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 Tank	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. OPERATOR 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.

J. L. Hampton
Signature

J. L. Hampton Sr. Staff Admin. Suprv.
Printed Name Title
Janaury 16, 1989 303-830-5025
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved **MAY 08 1989**

By *[Signature]*

Title **SUPERVISION DISTRICT # 3**

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C 104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION

BOX 697

120 EAST CHACO

AZTEC, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE May 7, 1957

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

THE El Paso Natural Gas Company
OPERATORPolack 7-C
LEASE"E"
WELL UNIT33-27-3
S-T-RSouth Blanco Pictured Cliff
POOLEl Paso Natural Gas Company
NAME OF PURCHASERWAS MADE ON May 3, 1957
DATE, FIRST DELIVERY May 3, 1957
DATE277 MCF/D
INITIAL POTENTIALEl Paso Natural Gas Company
PURCHASERChief Dispatcher
REPRESENTATIVEChief Dispatcher
TITLE

CC: TO OPERATOR

OIL CONSERVATION COMMISSION - SANTA FE

F. N. WOODRUFF - EL PASO

B. D. ADAMS

FILE

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator El Paso Natural Gas Company Lease Bolack C

Well No. 7-0 Unit Letter E S 33 T 27N R SW Pool So. Blanco P.C.

County San Juan Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate El Paso Natural Gas Products Co.

Address _____
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Co.

Address Box 997, Farmington, N.M.

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well (X)

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership () Other ()

Remarks: _____ (Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 5 day of November 19 56

By 

Approved _____ 19 _____

Title Petroleum Engineer

OIL CONSERVATION COMMISSION

Company El Paso Natural Gas Co.

By 

Address Box 997, Farmington, N.M.

Title _____

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION 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

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator Tenneco Oil Company E & P WRMD	
Address P. O. Box 3249, Englewood, CO 80155	
Reason(s) for filing (Check proper box)	Other (Please explain)
<input type="checkbox"/> New Well <input type="checkbox"/> Recompletion <input checked="" type="checkbox"/> Change in Ownership	Change in Transporter of: <input type="checkbox"/> Oil <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Dry Gas <input checked="" type="checkbox"/> Condensate
Well Name	

If change of ownership give name and address of previous owner **El Paso Natural Gas, P.O. Box 4990, Farmington, NM 87499**

II. DESCRIPTION OF WELL AND LEASE

Lease Name Bolack C LS	Well No. 7	Pool Name, including Formation So. Blanco-PC	Kind of Lease State, Federal or Fee USA SF	Lease No. 079232
Location				
Unit Letter E	: 1840	Feet From The N	Line and 918	Feet From The W
Line of Section 33	Township 27N	Range 8W	NMPM. San Juan	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

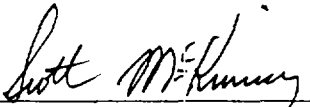
Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Conoco Inc. Surface Transportation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 460, Hobbs, NM 88240					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas	Address (Give address to which approved copy of this form is to be sent) P. O. Box 4990, Farmington, NM 87499					
If well produces oil or liquids, give location of tanks.	Unit E	Sec. 33	Twp. 27N	Rge. 8W	Is gas actually connected? Yes	When

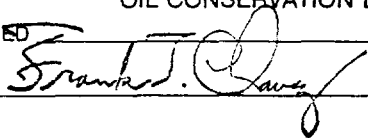
If this production is commingled with that from any other lease or pool, give commingling order number

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.


(Signature)
Sr. Regulatory Analyst
(Title)
SEP 1 1985
(Date)

OIL CONSERVATION DIVISION
APPROVED 
BY
TITLE **SUPERVISOR DISTRICT 13**
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 Section I, II, III, and VI for changes of owner, well name and or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
(Revised 7/1/52)

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, N.M.

November 5, 1956

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

El Paso Natural Gas Company Bolack, Well No. 7-C, in SW 1/4 NW 1/4.

(Company or Operator)

(Lease)

E 33, T 27N, R 8W, NMPM, So. Blanco P.C. Pool

Unit Letter

San Juan

County. Date Spudded 7-21-56, Date Completed 10-6-56

Please indicate location:

D	C	B	A
E	F	G	H
X			
L	K	J	I
M	N	O	P

1840'N, 918'W

Casing and Cementing Record

Size Feet Sax

9 5/8"	121'	100
5 1/2"	2760'	150
No tubing.		

Elevation 6697' Total Depth 2770', P.C.O. 2720'

Top oil/gas pay 2677' (Perf.) Name of Prod. Form Pictured Cliff

Casing Perforations: 2677-2704 or

Depth to Casing shoe of Prod. String 2770'

Natural Prod. Test BOPD

based on bbls. Oil in Hrs. Mins.

Test after acid or shot BOPD

Based on bbls. Oil in Hrs. Mins.

Gas Well Potential 276.8 MCF/D.

Size choke in inches 3/4"

Date first oil run to tanks or gas to Transmission system: w/o Pipeline

Transporter taking Oil or Gas: El Paso Natural Gas Company

Remarks:

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved: 19

El Paso Natural Gas Company

(Company or Operator)

OIL CONSERVATION COMMISSION

By: W. F. Coel

(Signature)

By: Title Petroleum Engineer

Send Communications regarding well to:

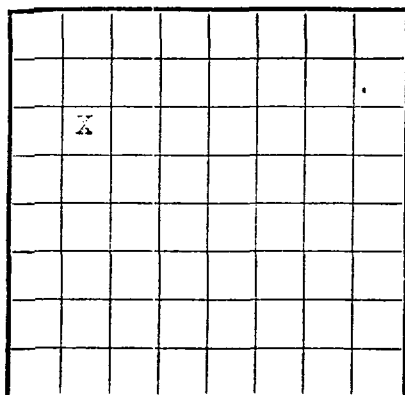
Title Name E. J. Coel

Address Box 997, Farmington, N.M.

ILLEGIBLE

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079232
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Bolack Field Co. Blanco State New Mexico
Well No. I-C Sec. 23 T. 27N R. 2W Meridian T1M County San Juan
Location 1840 ft. N. of S. Line and 918 ft. E. of W. Line of Section 33 Elevation 9707'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____
Special Agent in Charge

Date November 6, 1956 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling 7-21-56, 19____ Finished drilling 7-26-56, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2675 to 2770 (G) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>5-5/8</u>	<u>25.4</u>	<u>2 1/2</u>	<u>J-55</u>	<u>121'</u>	<u>Howco</u>				<u>Surface</u>
<u>3 1/2</u>	<u>15.5</u>	<u>2 1/2</u>	<u>J-55</u>	<u>2750'</u>	<u>Baker</u>				<u>Prod. Csg.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5-5/8</u>	<u>2675'</u>	<u>100</u>	<u>Circulated</u>		
<u>3 1/2</u>	<u>2770'</u>	<u>150</u>	<u>Single stage</u>		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

FOLD MARK

1,2	2770'	150	Single stage		
-----	-------	-----	--------------	--	--

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
 Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		see Well History.				

TOOLS USED

Rotary tools were used from feet to 2770 feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

DATES

..... 10-5-58 19..... Put to producing 19.....

The production for the first 24 hours was barrels of fluid of which % was oil; %
 emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours 276,800 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 767

....., Driller
 Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Undeveloped	2020	2020	Ojo Alamo ss. White cr-grn s.
2020	2435	415	Kirtland form. Gry sh interbedded w/ tight gry fine-grn ss.
2435	2675	240	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2675	2770	95	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.

ILLEGIBLE

(OVER)

FORMATION RECORD—Continued

FROM--	TO--	TOTAL FEET	FORMATION
			ILLEGIBLE

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

10-4-56 T.D. 2770'. C.O.T.L. 2720'. Water fractured Pictured Cliff perf. int. 2577-2704 with 38,500 gal. water & 40,000 sand. BHP 2100, man. pr. 2100, avg. tr. pr. 1800. Injection rate 60.9 BPM. Flush 3200 gallons.

NAME OF WELL
 LOCATION OF WELL
 NAME OF LAND OWNER
 NAME OF OPERATOR
 NAME OF DRILLER
 COMPANY

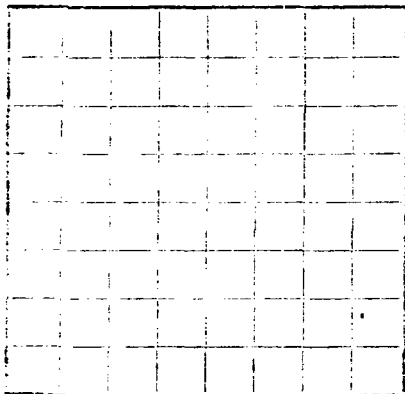
FOOTAGE WELL COMPLETED

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

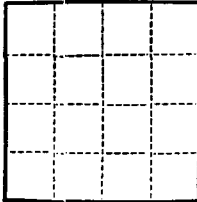
DEPARTMENT OF THE INTERIOR

UNITED STATES



ILLEGIBLE

NUMBER OF FEET TO FIRST PRODUCTIVE ZONE
 DEPTH OF FIRST PRODUCTIVE ZONE
 DEPTH OF SECOND PRODUCTIVE ZONE
 DEPTH OF THIRD PRODUCTIVE ZONE
 DEPTH OF FOURTH PRODUCTIVE ZONE
 DEPTH OF FIFTH PRODUCTIVE ZONE
 DEPTH OF SIXTH PRODUCTIVE ZONE
 DEPTH OF SEVENTH PRODUCTIVE ZONE
 DEPTH OF EIGHTH PRODUCTIVE ZONE
 DEPTH OF NINTH PRODUCTIVE ZONE
 DEPTH OF TENTH PRODUCTIVE ZONE



(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Santa Fe**
Lease No. **079232**
Unit **Bolack**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	Water Fracture	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 5, 1956

Well No. **7-C** is located **1040** ft. from **[N]** line and **918** ft. from **[E]** line of sec. **33**
NW Section **33** **27N** **2W** **MMH**
(34 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Co. Blanco **San Juan** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5707** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

10-4-56 Total Depth 2770'. Plug back T.D. 2720'. Water fractured Pictured Cliff perforated intervals 2677-2704 with 38,500 gallons water and 40,000# sand. Breakdown pressure 2100#, maximum pressure 2100#, average treating pressure 1800#. Injection rate 60.9 BPM. Flush 3200 gallons.

ILLEGIBLE

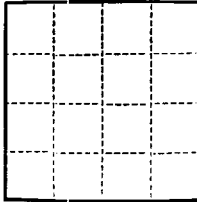
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **El Paso Natural Gas Company**
Address **Box 097**
Farmington, New Mexico
By **Original Signed W. F. Covert**
Title **Petroleum Engineer**

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. CP302
Unit Salmon



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 100 is located 100 ft. from N line and 100 ft. from E line of sec. 10
10 (3/4 Sec. and Sec. No.) 10 (Twp.) 10 (Range) 10 (Meridian)
10 (Field) 10 (County or Subdivision) 10 (State or Territory)

The elevation of the derrick floor above sea level is 100 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

and other details.
1. 100 ft. total depth.
2. 100 ft. total depth.
3. 100 ft. total depth.
4. 100 ft. total depth.
5. 100 ft. total depth.

ILLEGIBLE

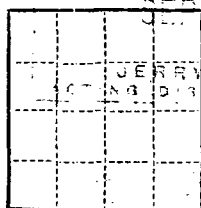
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company 100

Address 100

By Original Signed W. F. Govey

Title 100



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Santa FeLease No. 07232Unit Bolack

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 11, 1956

Well No. 7-C is located 1040 ft. from N line and 210 ft. from E line of sec. 33Section 33 (1/4 Sec. and Sec. No.) 27N (Twp.) 6E (Range) 106W (Meridian)Blanco (Field) San Juan (County or Subdivision) New Mexico (State or Territory)The elevation of the derrick floor above sea level is 5007 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

On 7-26-56. Total Depth 2770'.

Run to joints 1/2", 15.5#, J-65 casing (2760') set at 2770' with 75 sacks regular cement, 75 sacks Pozzix, 47 Gal, 1/2# Floccide/sk.

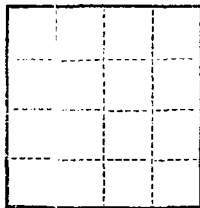
Circ 1000' for 30 minutes.

Top of cement by temperature survey at 1930'.

ILLEGIBLE

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas CompanyAddress Box 997Farmington, New MexicoBy R. C. [Signature]Title Petroleum Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Santa Fe
Lease No. 070232
Unit Belack

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....		

JUL 2 1955
GEOLOGICAL SURVEY
SANTA FE, NEW MEXICO

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 25, 1955

Well No. 7-C is located 140 ft. from N line and 210 ft. from W line of sec. 33.NW Section 33
(1/4 Sec. and Sec. No.)27N
(Twp.)3W
(Range)10E
(Meridian)So. Blanco
(Field)San Juan
(County or Subdivision)New Mexico
(State or Territory)The elevation of the derrick floor above sea level is 5707 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is intended to drill a well thru the Pictured Cliff formation using rotary tools and to perforate and water fracture possible producing zones. Estimated T.D. 2160'.

Casing, Program:

3 5/8" at 120' with 125 sacks regular cement circulated to surface.
5 1/2" at 2160' with 75 sacks regular cement, 75 sacks Pozmix.

The NW/4 of Section 33 is dedicated to this well.
NW/4, SF 070232.

ILLEGIBLE

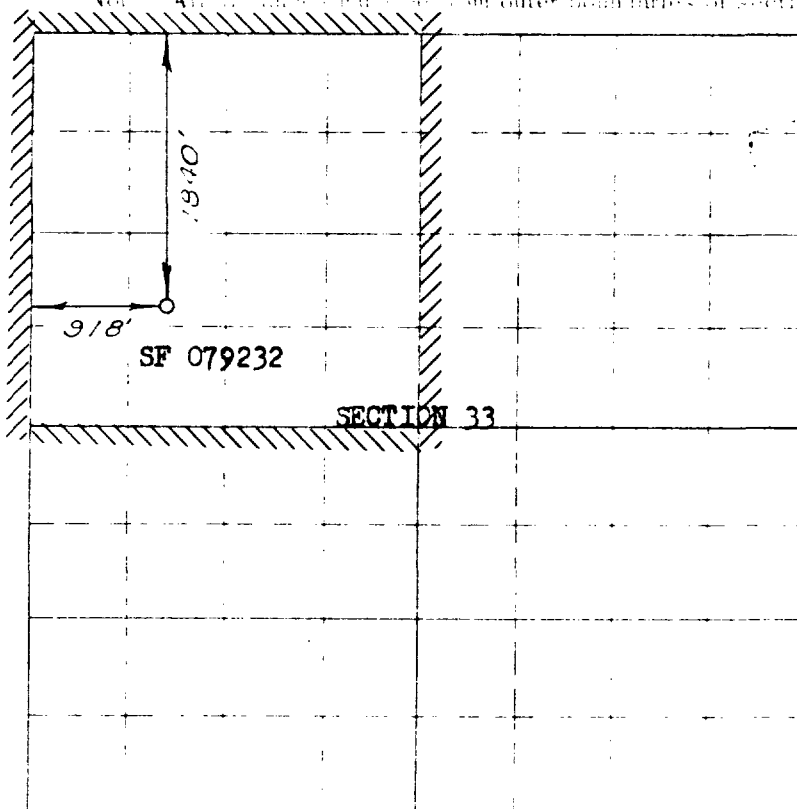
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas CompanyAddress Box 271Santa Fe, New MexicoBy Will H. BlackTitle Petroleum Engineer

WELL LOCATION AND/OR GAS PRORATION PLAT

DATE JUNE 19, 1956EL PASO NATURAL GAS COMPANYBOLACK "C"SF 0792327 33 27-N 8-W1840 NORTH 918 WESTSAN JUAN 6697PICTURED CLIFFSO. BLANCO160 ACRES
(1882 PLAT)

Note: All dimensions are in feet, on outer boundaries of section.



Scale: 1 inch = 1/4 mile

NOTE

This section of
form is to be used
for gas wells only

I, the undersigned, certify that the above plat was prepared from
the notes of actual surveys made by me or under my
supervision, and that the same are true and correct to the
best of my knowledge and belief.

Date Surveyed: JUNE 6, 1956

E. O. Walker
Registered Professional Engineer and/or Land Surveyor

1. Is this well a Dual Completion?

Yes _____ No X

2. If the answer to Question 1 is

Yes, are there any other dual
completed wells within the
relicated acreage?

Yes _____ No _____

Name: Amel WalkerPosition: Petroleum EngineerRepresenting: El Paso Natural Gas Co.Address: Box 191, Farmington, N.M.

ILLEGIBLE

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 RioBrazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Engery, 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 30-045-06127	⁵ Pool Name BLANCO MESAVERDE	⁶ Pool Code 72319
⁷ Property Code	⁸ Property Name BOLACK C LS	⁹ Well Number 15

II. ¹⁰ Surface Location

UL or lot no. L	Section 33	Township 27N	Range 08W	Lot.Idn	Feet from the 1800	North/South Line S	Feet from the 1180	East/West line W	County SJ
---------------------------	----------------------	------------------------	---------------------	---------	------------------------------	------------------------------	------------------------------	----------------------------	---------------------

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 19 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 PBTB	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

<i>Gail Jefferson</i>	Amoco Production Company	OGRID# 000778
Previous Operator Signature	Printed Name	Senior Administrative Staff Assistant
		12/01/97
	Title	Date

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Pat Archuleta

3. Address and Telephone No.

P.O. BOX 800 DENVER, COLORADO 80201

303-830-5217

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1800' FSL

1180' FWL

Sec. 33 T 27N R 8W

UNIT L

5. Lease Designation and Serial No.

SF-079232

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Bolack C LS

15

9. API Well No.

3034506127

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

SAN JUAN

NEW MEXICO

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

TYPE OF SUBMISSION

TYPE OF ACTION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Repair

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)*

Amoco Production Company has cancelled plan to repair the above well.

RECEIVED
JUN 30 1997
OIL CON. DIV.
DIST. 3

67 JUN 23 PM 2:48
67 JUN 23 PM 1:11

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

Signed

Pat Archuleta

Title

Staff Assistant

Date

06-18-1997

(This space for Federal or State office use)

JUN 26 1997

Approved by

Title

Date

Conditions of approval, if any:

FARMINGTON DISTRICT OFFICE

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.

AMOCO

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.

SF-079232

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Bolack C LS 15

9. API Well No.

3004506127

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

San Juan New Mexico

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

2. Name of Operator

Amoco Production Company

Attention:

Pat Archuleta, Room 1205C

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-5217

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1800'FSL 1180FWL Sec. 33 T 27N R 8W Unit L

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

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)

Amoco Production Company requests permission to repair this well per the attached procedures.

If you have any technical questions please contact Mark Rothenberg at (303) 830-5612.

RECEIVED
OCT 10 1996
OIL CON. DIV.
DIST. 3

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

Signed

Pat Archuleta

Title

Clerk

Date

09-24-1996

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

APPROVED

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.

Wellname: Bolack C LS 15

Page 2

9/23/96

Suggested Procedures:

1. Contact Federal or State agency prior to starting repair work.
2. Install and/or test anchors on location.
3. MIRUSU. Check and record tubing, casing and bradenhead pressures. Blow down well and kill well, if necessary, with 2% KCL water. ND wellhead. NU and pressure test BOP's.
4. Trip and tally out of hole with tubing. Check condition of tubing and replace perforated and bad joints as needed. (REPLACE ALL PERFORATED JOINTS)
5. Correlate to Schlumberger Electric log dated 5/24/58 and RIH with perforating gun and perforate the following intervals with 2 JSPF:

5050'-5063'

5070'-5096'
6. RIH with 2 3/8" tubing and clean out to PBTD of 5196. Land tubing at depth of 5088', 1/2 mule shoe on bottom and SN 1 jt off bottom.
7. Rig down and move off service unit.

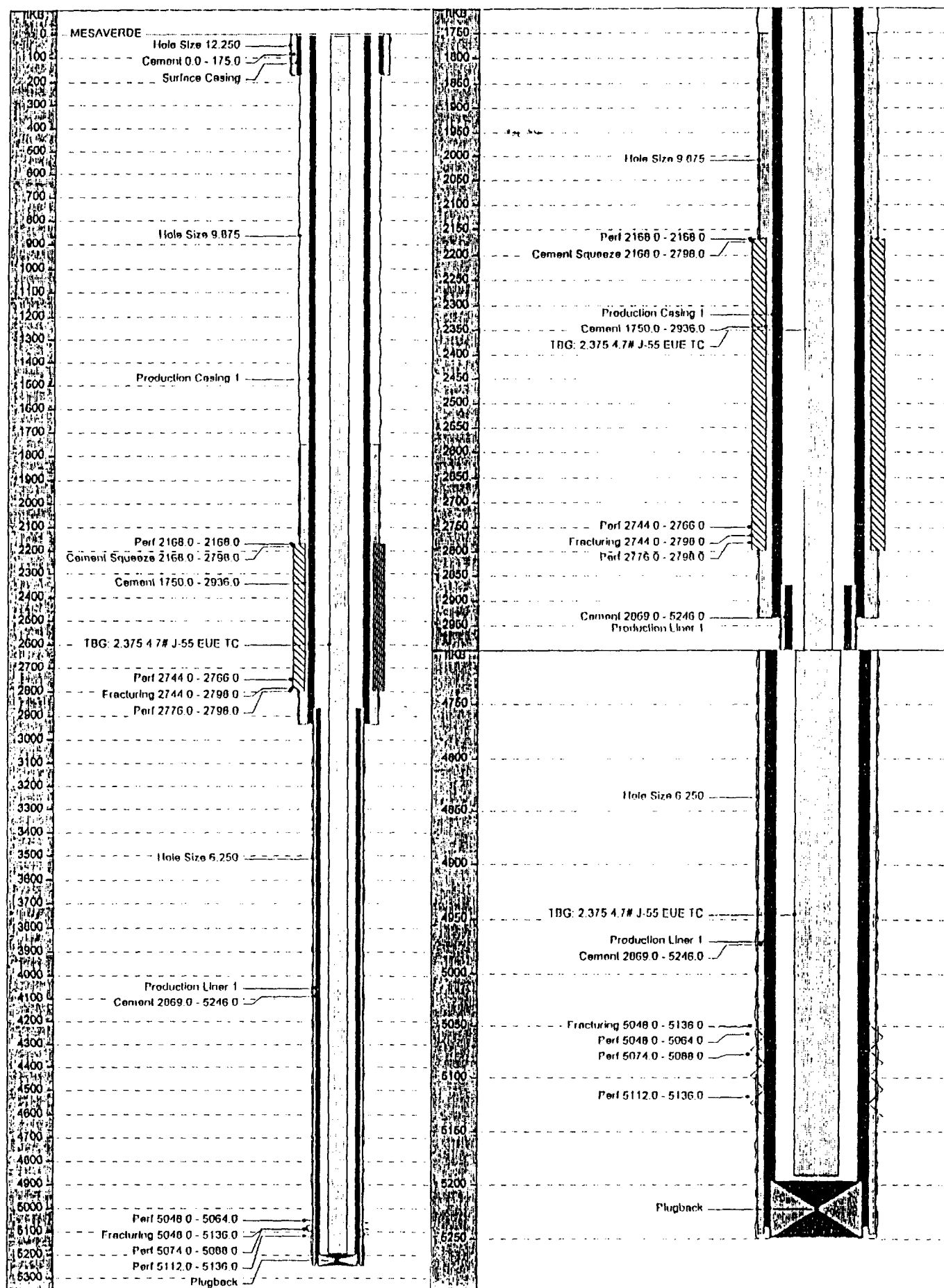
If problems are encountered, please contact:

MARK ROTHENBERG

(W) (303) 830-5612

(H) (303) 841-8503

(P) (303) 553-6448



DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator AMOCO PRODUCTION COMPANY	Well API No. 450612700
Address P.O. BOX 800, DENVER, COLORADO 80201	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE

Lease Name BOLACK C LS	Well No. 15	Pool Name, including Formation BLANCO MESAVERDE (PRORATED GAS)	Kind of Lease State, Federal or Fee	Lease No.
Location Unit Letter L : 1800 Feet From The FSL Line and 1180 Feet From The FWL Line Section 33 Township 27N Range 8W , 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"/> MERIDIAN OIL INC.	Address (Give address to which approved copy of this form is to be sent) 3535 EAST 30TH STREET, FARMINGTON, NM 87401					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> EL PASO NATURAL GAS COMPANY	Address (Give address to which approved copy of this form is to be sent) P.O. BOX 1492, EL PASO, TX 79978					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When?

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
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		
AUG 23 1990								
OIL CON. DIV.								

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 Tank	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. OPERATOR 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.

Signature
Doug W. Whaley, Staff Admin. Supervisor
Printed Name
July 5, 1990
Date
303-830-4280
Telephone No.

OIL CONSERVATION DIVISION

Date Approved AUG 23 1990
By
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation test; taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Revised 1-1-89
See Instructions
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator Amoco Production Company		Well API No. 3004506127
Address 1670 Broadway, P. O. Box 800, Denver, Colorado 80201		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Change in Operator <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator Tenneco Oil E & P, 6162 S. Willow, Englewood, Colorado 80155		

RECEIVED
JUN 13 1989
OIL CONSERVATION DIV.
SANTA FE

II. DESCRIPTION OF WELL AND LEASE

Lease Name BOLACK C LS	Well No. 15	Pool Name, including Formation BLANCO (MESAVERDE)	FEDERAL	Lease No. SF079232
Location Unit Letter L : 1800 Feet From The FSL Line and 1180 Feet From The FWL Line Section 33 Township 27N Range 8W , 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 checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) CONOCO P. O. BOX 1429, BLOOMFIELD, NM 87413					
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 1492, EL PASO, TX 79978					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When?

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
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RAB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

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 Tank	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. OPERATOR 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.

J. L. Hampton
Signature
J. L. Hampton Sr. Staff Admin. Suprv.
Printed Name
January 16, 1989 303-830-5025
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved **MAY 08 1989**
By *Burt D. Shum*
SUPERVISION DISTRICT # **3**
Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED
SEP 06 1985
OIL CON. DIV.
DIST. 3

I. Operator
Tenneco Oil Company E & P WRMD

Address
P. O. Box 3249, Englewood, CO 80155

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input checked="" type="checkbox"/> Condensate
<input checked="" type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	

Other (Please explain)
Well Name

If change of ownership give name and address of previous owner **El Paso Natural Gas, P.O. Box 4990, Farmington, NM 87499**

II. DESCRIPTION OF WELL AND LEASE

Lease Name Bolack C LS	Well No. 15	Pool Name, Including Formation Blanco-MV Ext.	Kind of Lease State, Federal or Fee USA SF	Lease No. 079232
Location				
Unit Letter L	1800	Feet From The S	Line and 1180	Feet From The W
Line of Section 33	Township 27N	Range 8W	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 checked="" type="checkbox"/> Conoco Inc. Surface Transportation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 460, Hobbs, NM 88240
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas	Address (Give address to which approved copy of this form is to be sent) P. O. Box 4990, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
Unit L	Sec. 33
Twp. 27N	Rge. 8W
Yes	

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

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.

Scott McKinnis
(Signature)

Sr. Regulatory Analyst

(Title)

(Date)

OIL CONSERVATION DIVISION

APPROVED

BY

TITLE

SUPERVISOR DISTRICT 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 Section I, II, III, and VI for changes of owner, well name and/or number, or transporter, or other such change of condition.

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

IV. COMPLETION DATA

Designate Type of Completion — (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res.v.	Diff. Res.v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil-Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of bad 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

OIL CONSERVATION COMMISSION

BOX 697

120 EAST CHACO

AZTEC, NEW MEXICO

ILLEGIBLE

NOTICE OF GAS CONNECTION

DATE October 2, 1958

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

THE El Paso Natural Gas Company
OPERATORDelach 15-8
LEASE"T"
WELL UNIT22-2'-8
S-T-RBlanco Mesa Verde
POOLEl Paso Natural Gas Company
NAME OF PURCHASERWAS MADE ON July 30, 1958
DATE, FIRST DELIVERY September 30, 1958
DATE

Choke 868

ACT 917

INITIAL POTENTIAL

El Paso Natural Gas Company
PURCHASER*[Signature]*
REPRESENTATIVEAssistant Chief Dispatcher
TITLE

CC: TO OPERATOR

OIL CONSERVATION COMMISSION - SANTA FE

F. N. WOODRUFF - EL PASO

B. D. ADAMS

Delhi-Taylor

FILE

OIL CONSERVATION COMMISSION

BOX 697

120 EAST CHACO

AZTEC, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE October 2, 1958

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

THE El Paso Natural Gas Company
OPERATORBolack #15-C

LEASE

"L"

WELL UNIT

33-27-8

S-T-R

Blanco Mesa Verde

POOL

El Paso Natural Gas Company

NAME OF PURCHASER

WAS MADE ON July 30, 1958
DATE, FIRST DELIVERY September 30, 1958
DATEChoke 368AOF 917

INITIAL POTENTIAL

El Paso Natural Gas Company

PURCHASER

J. J. LELIENAERS
REPRESENTATIVEAssistant Chief Dispatcher

TITLE

CC: TO OPERATOR

OIL CONSERVATION COMMISSION - SANTA FE

F. N. WOODRUFF - EL PASO

B. D. ADAMS

Delhi-Taylor

FILE

NUMBER OF COPIES RECEIVED	
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SANTA FE	
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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRORATION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

FORM C-110
 (Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator El Paso Natural Gas Company				Lease Bolack		Well No. 1570	
Unit Letter L	Section 33	Township 27-N	Range 8-W	County San Juan			
Pool Blanco Mesa Verde EXE.				Kind of Lease (State, Fed, Fee) Federal			
If well produces oil or condensate give location of tanks			Unit Letter Same	Section	Township	Range	
Authorized transporter of oil <input type="checkbox"/> or condensate <input checked="" type="checkbox"/>				Address (give address to which approved copy of this form is to be sent)			
El Paso Natural Gas Company				Box 990, Farmington, New Mexico			
Is Gas Actually Connected? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/>			Date Connected 9-30-58	Address (give address to which approved copy of this form is to be sent)			
El Paso Natural Gas Company				Box 990, Farmington, New Mexico			

If gas is not being sold, give reasons and also explain its present disposition:


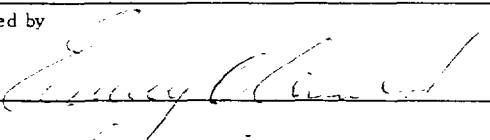
REASON(S) FOR FILING (please check proper box)

New Well <input type="checkbox"/>	Change in Ownership <input type="checkbox"/>
Change in Transporter (check one)	Other (explain below)
Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Casing head gas . <input type="checkbox"/> Condensate . . <input checked="" type="checkbox"/>	

Remarks

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 1st day of January, 19 63.

OIL CONSERVATION COMMISSION		By 
Approved by 	Title Petroleum Engineer	
Title E. S. Oberly	Company El Paso Natural Gas Company	
Date JAN 14 1963	Address Box 990, Farmington, New Mexico	

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

MAIN OFFICE OCC

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

1958 JUL 14 AM 3:46

Company or Operator El Paso Natural Gas Company Lease Bolack

Well No. 15-C Unit Letter L S 33 T 27N R 8W Pool Blanco Ext.

County San Juan Kind of Lease (State, Fed. or Patented) Federal

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate El Paso Natural Gas Products Company

Address _____

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Company

Address Box 997, Farmington, New Mexico

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well _____ (X)

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership _____ () Other _____ ()

Remarks: _____ (Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 2 day of JULY 19 58

By DC Johnston

Approved _____ 19 _____

Title Petroleum Engineer

OIL CONSERVATION COMMISSION

Company El Paso Natural Gas Company

By A. R. Hendrick

Address Box 997

Title _____

Farmington, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in **QUADRUPLICATE** to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion. **Approved** this form is filed during calendar month of completion or recompletion. The completion date **1958** be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, New Mexico July 2, 1958
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

El Paso Natural Gas Company Bolack, Well No. 15-C, in NW 1/4 SW 1/4,
(Company or Operator) (Lease)
L, Sec. 33, T. 27N, R. 8W, NMPM., Blanco Ext. Pool
Unit Letter
San Juan

Please indicate location:

D	C	B	A
E	F	G	H
L X	K	J	I
M	N	O	P

1800'S, 1180'W

Tubing, Casing and Cementing Record

Size	Feet	Sax
10 3/4"	162'	150
7 5/8"	2925'	200
5 1/2"	2366'	300
2"	5162'	---

County. Date Spudded. 4-13-58 Date Drilling Completed 5-24-58
Elevation 6782' Total Depth 5247' MEAS. D. 5198'
Top Oil/Gas Pay 5048' (Perf.) Name of Prod. Form. Mesa Verde

PRODUCING INTERVAL -

Perforations 5048-5064; 5074-5088; 5112-5136

Open Hole None Depth Casing Shoe 5240' Depth Tubing 5162'

OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls water in hrs, min. Size Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): bbls. oil, bbls water in hrs, min. Size Choke

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: 917 MCF/Day; Hours flowed 3

Choke Size 3/4" Method of Testing: Calculated A.O.F.

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 65,000 gal. water & 65,000# sand.

Casing Press. 1036 Tubing Press. 857 Date first new oil run to tanks

Oil Transporter El Paso Natural Gas Products Company

Gas Transporter El Paso Natural Gas Company

Remarks:

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved July 2, 1958

El Paso Natural Gas Company
(Company of Operator)

OIL CONSERVATION COMMISSION

By: *[Signature]*

Title PETROLEUM ENGINEER DIST. NO. 3

By: *[Signature]*
(Signature)

Title Petroleum Engineer

Send Communications regarding well to:

Name E. S. Oberly

Address Box 997, Farmington, New Mexico

Heaving plug—Material Length Depth set

FOLD MAR

2560	5240	300	single stage
------	------	-----	--------------

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		See Well Record				

TOOLS USED

Gas Drilled

Rotary tools were used from175..... feet to2936..... feet, and from2936..... feet to5240..... feet
Cable tools were used from0..... feet to175..... feet, and from feet to feet

DATES

.....6-7-....., 19.50..... Put to producing, 19.....

The production for the first 24 hours was barrels of fluid of which% was oil;% emulsion;% water; and% sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours850,000..... Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.1030..... A.C.F.=917 MCF/D

EMPLOYEES

....., Driller Driller
....., Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Undeveloped	2060	2060	Tan to gry cr-grn ss interbedded w/gry sh.
2060	2505	445	Ojo Alamo ss. White cr-grn s.
2505	2730	231	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2730	2810	80	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2810	4310	1497	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
4310	4387	72	Lewis formation. Gry to white dense ss w/silty to shaly ss breaks.
4387	5027	640	Cliff House ss. Gry, fine-grn, dense sil ss.
5027	5149	122	Menefee form. Gry, fine-grn s, carb sh & coal.
5149	5247	98	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
			Mancos formation. Gry carb sh.

ILLEGIBLE

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

5-26-58 Perf. P.L. 5136-12; 5088-74; 5064-48 w/2 sh/ft. Frac. w/65,000 gal. water and 65,000# sand. Flush w/8100 gal. I.R. 48 B.P.M. Form broke at 2900#, tr. pr. 2700-2500-3000-2500#, max. pr. 3000#. Dropped 2 sets of 10 balls for 3 stage frac. Set B.P. @ 2978'.
 Perf. P.C. 2744-66; 2776-98 w/2 sh/ft. Frac. w/45,000 gal. water and 45,000# sand. I.R. 62 B.P.M. Max. pr. 2350#, Form. broke @ 2400#, tr. pr. 1000-1300-1700-2350#. Dropped 4 sets of 20 balls for a 5 stage frac.
 6-1-58 Set Halliburton RTTS pkr. @ 2168'. Sq. P.C. perf. w/50#sks. Neat, 2# CaCl. Held 3000#.

LOG OF OIL OR GAS WELL

LOG OF OIL OR GAS WELL

LOG OF OIL OR GAS WELL

LOGS 5-239

WJ

LOG OF OIL OR GAS WELL

GEOLOGICAL BOARD

DEPARTMENT OF THE INTERIOR

UNITED STATES

ILLEGIBLE

DEPT. OF REVENUE, PROSPECT

DEPT. OF REVENUE, PROSPECT

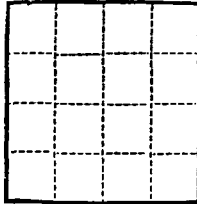
(SUBMIT IN TRIPLICATE)

Land Office Santa Fe

Lease No. 079232

Unit Bolack

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

ILLEGIBLE

May 21, 1950

Well No. 15-C (IM) is located 1100 ft. from S line and 1100 ft. from W line of sec. 33

15 Sec. 33
(1/4 Sec. and Sec. No.)

33
(Twp.)

33
(Range)

15 Sec. 33
(Meridian)

Blanco
(Field)

San Juan
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is 6132 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It was originally intended to finally complete this well in the Mesa Verde and Pictured Cliffs formations as the El Paso Natural Gas Co. Bolack No. 15-C (IM). Results of stimulative treatment have shown the Pictured Cliffs formation to be non-commercial, however. It is, therefore, intended to squeeze off the existing Pictured Cliffs perforations at 2744-2750' with 100 sacks cement and complete the well in the Mesa Verde formation only, with name changed to Bolack No. 15-C. The enclosed well location plat has been reissued to show corrected dedicated acreage (W/2 of Section 33 is dedicated to this well).

W/2: P 07/232

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

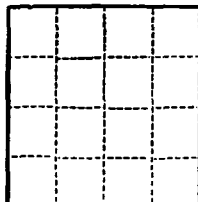
Address Box 991

Farlington, New Mexico

Original Signed D. C. Johnston

By _____

Title Petroleum Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 079232
Unit Bolack

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Apr 11 23, 19 58

Well No. 15-C(PM) is located 1800 ft. from TXN line and 1130 ft. from ET line of sec. 33

SW Sec. 33 27N 8W H.M.P.M.
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Blanco Ext. 860. Blanco P.C. San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5792 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spud date 4-13-58.

On 4-15-58. Total Depth 175'.

Ran 4 joints 10 3/4", 32.75#, spiral weld casing (152') set at 174' with 150 sacks regular cement, 2% Gel & 3% CaCl, circulated to surface.

Held 500# for 30 minutes.

ILLEGIBLE

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

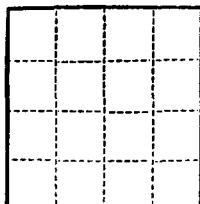
Company El Paso Natural Gas Company

Address Box 997

Farmington, New Mexico

By

Title Petroleum Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe

Lease No. 273232

Unit Bolsch

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

ILLEGIBLE

Well No. 12-32(20) is located 1200 ft. from N line and 100 ft. from E+ line of sec. 33

27 Sec. 33 27N N T.17.2.1.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Blanco H.V. Co. & Co. San Juan New Mexico
Blanco (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5722 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is intended to drill & drill complete a well in the Victorio Cliffs formation & then Verde formation. Mud circulation will be used down the Victorio Cliffs formation & an intermediate casing. Gas circulation will be used down the Verde formation & a production liner will be set. Possible productive intervals will be perforated & cemented. Estimated Total Depth 3231'.

Casing Program:

12 3/4" at 170' with 125 sacks cement circulated to the surface.
7 5/8" at 4071' with 250 sacks cement.
5 1/2" Liner at 3231' with 300 sacks cement.
The 1/2 of Section 33 is dedicated to the Verde series.
The 1/4 of Section 33 is dedicated to the Victorio Cliffs.
1/2 & 3/4 5.2. 57232.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address Box 777

Hemingway, New Mexico

By Dr. H. Conrad C. Johnston

Title Geological Engineer

Well Location and Acreage Dedication Plat

Section A.

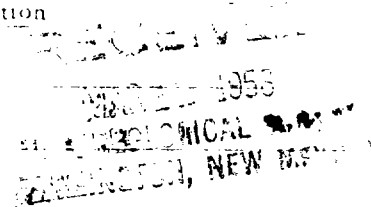
Date **MARCH 4, 1958**

Operator **EL PASO NATURAL GAS COMPANY** Lease **BOLACK** SF **079232**
 Well No. **15-C (PM)** Unit Letter **L** Section **33** Township **27-N** Range **8-W** NMPM
 Located **1800** Feet From **SOUTH** Line, **1180** Feet From **WEST** Line
 County **SAN JUAN** G. L. Elevation **6782** Dedicated Acreage **320 & 160** Acres
 Name of Producing Formation **MESA VERDE & PICTURED CLIFF** Pool **BLANCO MY EXT., 30 BLANCO P.C.**

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes ☒ No ☐
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☐ No ☐ If answer is "yes", Type of Consolidation _____
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description



Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Company

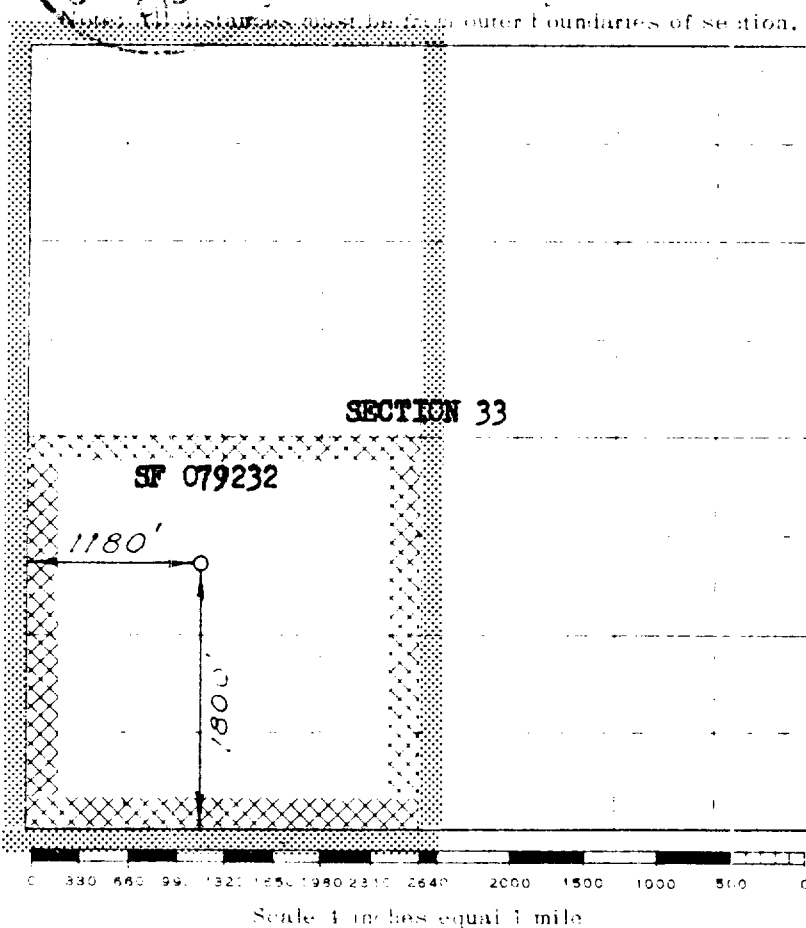
(Operator)

Original Signed **D. C. Johnston**

(Representative)

Box 297

(Address)

Farmington, New Mexico**ILLEGIBLE**

Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Date Surveyed

FEBRUARY 13, 1958

Farmington, New Mexico

Registered Professional Engineer and/or Land Surveyor

Well Location and Acreage Dedication Plat

Section A.

Date **MARCH 4, 1958**

Operator **EL PASO NATURAL GAS COMPANY** Lease **BOLACK** SF **079232**
 Well No. **15-C** Unit Letter **L** Section **33** Township **27-N** Range **8-W** NMPM
 Located **1800** Feet From **SOUTH** Line, **1180** Feet From **WEST** Line
 County **SAN JUAN** G. L. Elevation **6782** Dedicated Acreage **320** Acres
 Name of Producing Formation **MESA VERDE** Pool **BLANCO MV EXT.**

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes ☒ No ☐
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☐ No ☐ If answer is "yes", Type of Consolidation:
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description



RECEIVED
JUN 5 1958
 U. S. GEOLOGICAL SURVEY
 FARMINGTON, NEW MEXICO

Section B.

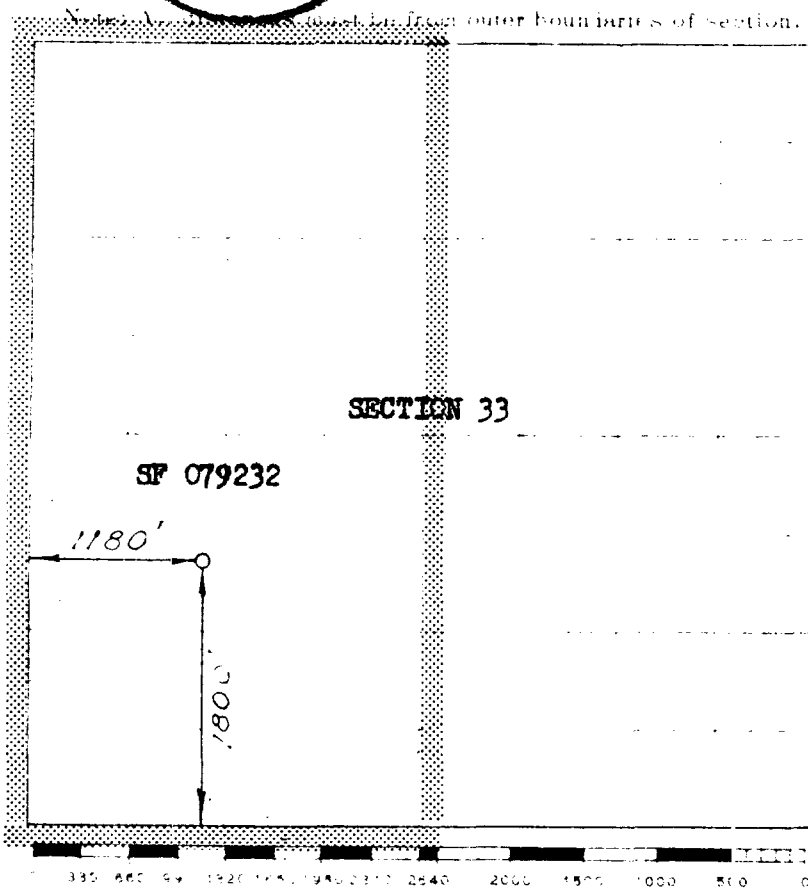
This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Company
 (Operator)
Original Signed D. C. Johnston
 (Representative)

Box 997
 (Address)

Farmington, New Mexico

NOTE: THIS PLAT REISSUED TO SHOW PICTURED CLIFF DEDICATION ABANDONED. THIS WELL WILL BE COMPLETED IN MESA VERDE FORMATION ONLY.



Scale 1 inch equals 1 mile

ILLEGIBLE

This is to certify that the above plat was prepared from field notes or actual surveys made by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

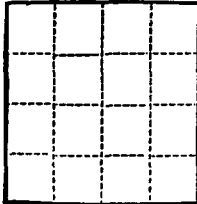
(Seal)

Date Surveyed

FEBRUARY 13, 1958

Farmington, New Mexico

David L. Wilson
 Registered Professional Engineer and/or Land Surveyor



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 019232
Unit Black

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

ILLEGIBLE

May 29, 1950

Well No. 15-C(1M) is located 1300 ft. from N line and 1100 ft. from E line of sec. 33
SW Sec. 33 27N 3W N.M.P.M.
(Twp.) (Range) (Meridian)
Blanco Ext. & Co. Blanco P.C. San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6792 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

On 9-17-50, Total Depth 2936'.
Ran 71 joints 7 5/8", J-55, 26.40#, Casing (2925') set at 2935' with 75 sacks regular cement, 75 sacks Pozzix, 1/4# Floccals/sk, and 25 Gel, followed with 30 sacks Heat cement.

Held 1000#/30 minutes.

Top of cement by temperature survey at 1750'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

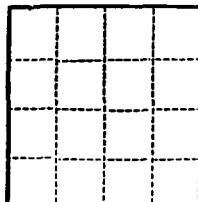
Company El Paso Natural Gas Company

Address Box 207

Farrington, New Mexico

By Original Signed D. C. Johnston

Title Petroleum Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office

Lease No.

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

NOTICE OF INTENTION TO DRILL	MAY 29 1968 U.S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR RE-ABANDON WELL		SUBSEQUENT REPORT OF RE-DRILLING OR RE-ABANDONMENT
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

ILLEGIBLE

May 21

Well No. 15-C is located 1800 ft. from ~~Sub~~ [S] line and 11.90 ft. from ~~Ex~~ [W] line

SW Sec. 33 27N 8W N.M.P.M.
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Blanco Ext. & So. Blanco P. C. San Juan New Mex.
(Field) (County or Subdivision) (State or Terr.)

The elevation of the derrick floor above sea level is 6792 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate ing points, and all other important proposed work)

5-24-58 Total depth 5246'.
Ran 57 joints 5 1/2", 15.50#, J-55 casing (2366') line
2869' to 5240' with 125 sacks regular cement, 125 sack
2% Cel, 1/4# Floccle, followed by 50 sacks regular cement.
Held 1000# for 30 minutes.

Top of cement by temperature survey at 2869'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may

Company El Paso Natural Gas Company

Address Box 997

Farmington, New Mexico

By Original Signed D.

Title Petroleum Engineer

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/29/01 08:46:
OGOMES -TQ
PAGE NO:

Sec : 33 Twp : 27N Rng : 08W Section Type : NORMAL

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

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/29/01 08:46:
OGOMES -TQ
PAGE NO:

Sec : 33 Twp : 27N Rng : 08W Section Type : NORMAL

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

131357421

New Mexico Oil Conservation Division---Engineering Bureau
Administrative Application Process Documentation

Date Application Received: 11-8-01

Date of Preliminary Review: 11-29-01
(Note: Must be within 10-days of received date)

Results: Application Complete ☒ Application Incomplete

Date Incomplete Letter Sent: 11-29-01

Deadline to Submit Requested Information: 12-06-01

Phone Call Date: _____
(Note: Only applies if requested data is not submitted within the 7-day deadline)

Phone Log Completed? Yes No

Date Application Processed: 12-20-01

Date Application Returned: _____
(Note: Only as a last resort & only after repeated attempts by the Division to obtain the necessary information to process the application)

Response received 12-13-01



December 12, 2001

DEC 13 2001

FEDERAL EXPRESS:

Michael E. Stogner
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, New Mexico 87504

RE: pKRVO-131357421


Dear Mr. Stogner:

As per your request concerning the above captioned reference, I have enclosed two (2) sets of the following information:

1. Engineering Discussion on the Bolack C LS #7
2. Production Plot for the Bolack C LS #7 and #15 wells
3. Cumulative Production map for all wells in the 9-section area around the Bolack C LS #7 well.

Should you need anything further please feel free to contact me at (817) 885-2454, or Barry Voigt our Engineer on this prospect at (817) 885-2462.

Sincerely,
XTO ENERGY INC.


George A. Cox, CPL
Landman

Enclosures

cc: Barry Voigt

*talked w/ Stogner and
no real problem.*

Bolack C LS #7 Engineering Discussion

Currently, XTO Energy has plans to re-complete the Bolack C LS #7 to the Fruitland Coal. The well is currently producing at 10-20 mcf/d (see attached production plot). At these rates, the well is uneconomic to produce. The only other option other than a re-complete on this well is to plug and abandon it. The reason why this well was chosen over the Bolack C LS #15 well is the fact that the Bolack C LS #15 well is currently producing at 60-70 mcf/d (see attached production plot). At these rates, the Bolack C LS #15 well is economic. As a prudent operator, XTO Energy would not want to risk an economic well on a re-completion when a usable wellbore within the same unit is available.

Attached is a cumulative production map for all wells in a 9-section area around the Bolack C LS #7. To date there have been 3 Fruitland Coal tests in the 9-section area of which one has been successful (the Star #3M at an unorthodox off pattern location in the NW of section 5 T26N R8W). Based on the possibility that a drill well may not prove to be economic, a re-completion is a viable way to test the coal in the W/2 of Section 33. Based on the discussion in the previous paragraph, the Bolack C LS #7 would be the better candidate than the Bolack C LS #15.

XTO Energy Inc.

BOLACK C 7

XTO ENERGY
BLANCO S (PICTURED CLIFFS)
SAN JUAN, NEW MEXICO

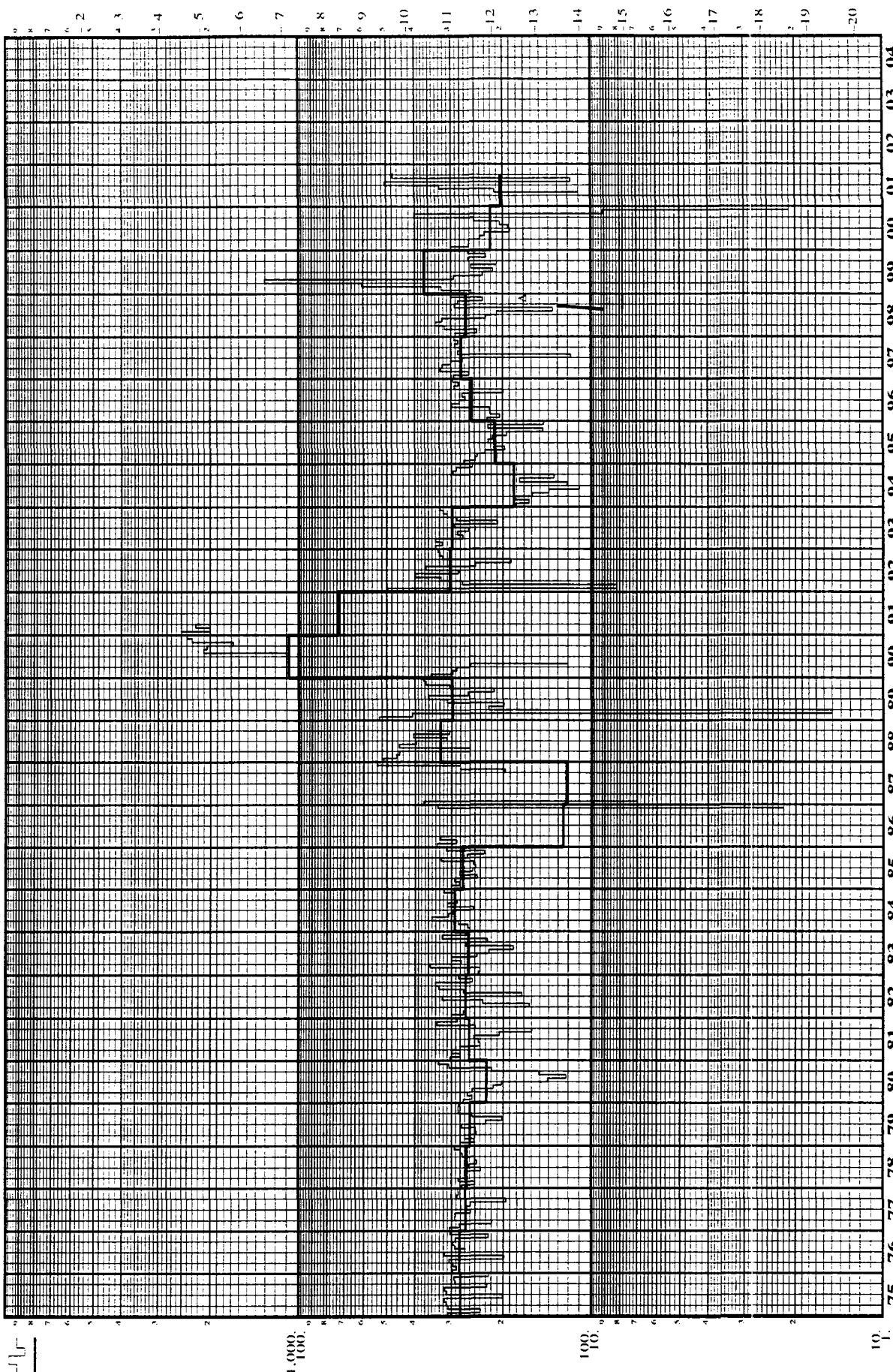
SAN JUAN
70102

BASE
506143

DLS JAW BGH

Run Date: 03/05/01
Run Time: 14:04:43

GAS (mcf/mo) ∇ Δ \square
OIL (bbls/mo)



TIME (years)

506143

12/11/2001 16:26:15 21 Dm

In August 2001 replaced plunger and recently optimized plunger operation. Well is currently producing at 60-70 mcf/d.

Run Date: 03/05/01
Run Time: 14:01:13

GAS (mcf/mo) ∇ Δ
OIL (bbls/mo) Δ

BOLACK C 15

XTO ENERGY

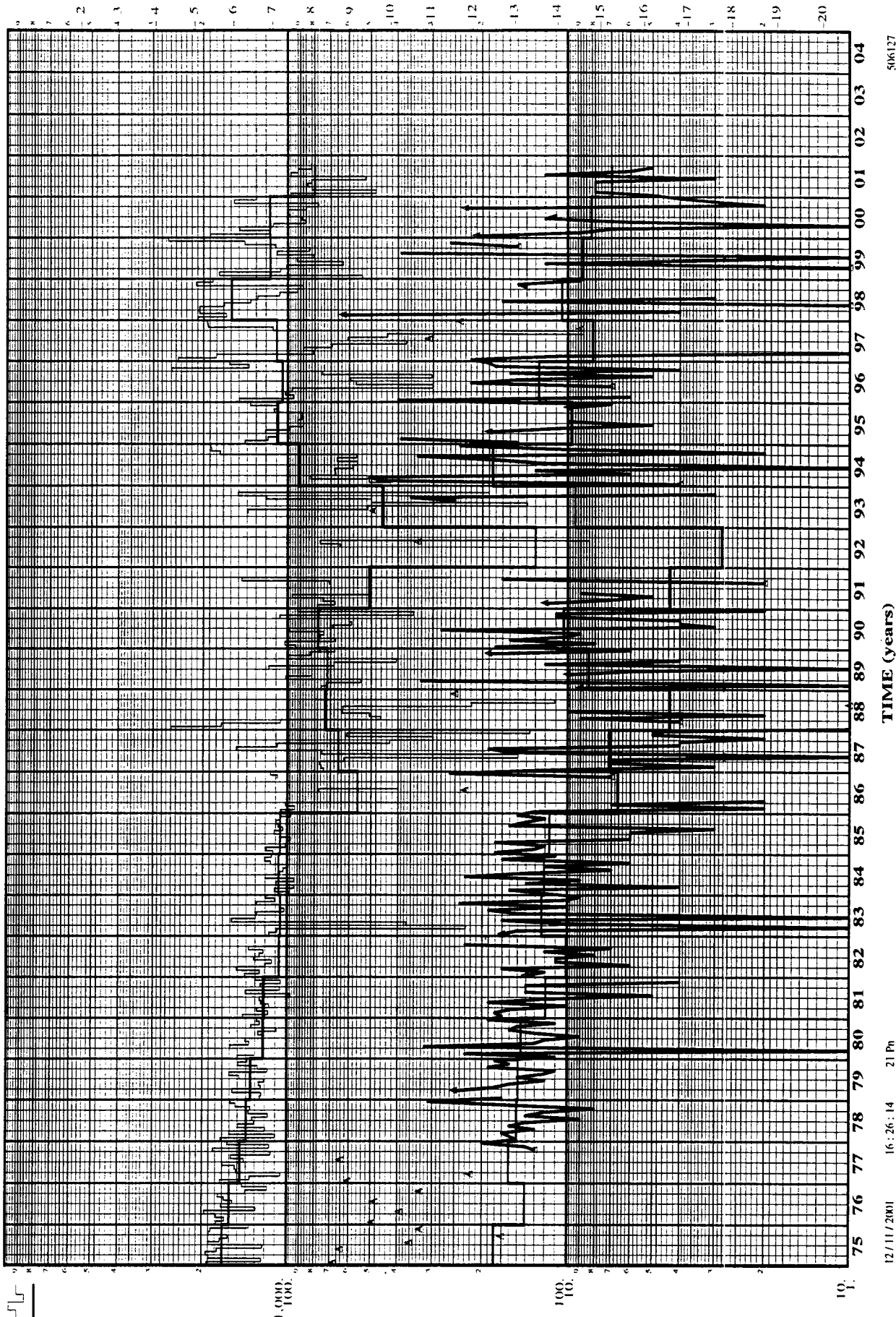
BLANCO (MESAVERDE)
SAN JUAN, NEW MEXICO

33L 27N 8W
BGV

BASE
506127

SAN JUAN
70097

DLS JAW BGII





CHACRA **DAKOTA** **FRUITLAND COAL** **GALLUP** **MESA VERDE** **PICTURED CLIFFS**

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 Inc.

SAN JUAN COUNTY, NEW MEXICO
 9 SECTION - 33-27N-8W
 ALL FORMATIONS

Johnny LeBon	B. Voigt	12/19/2001
Scale 1:24000	1" = 2000'	33-27-8

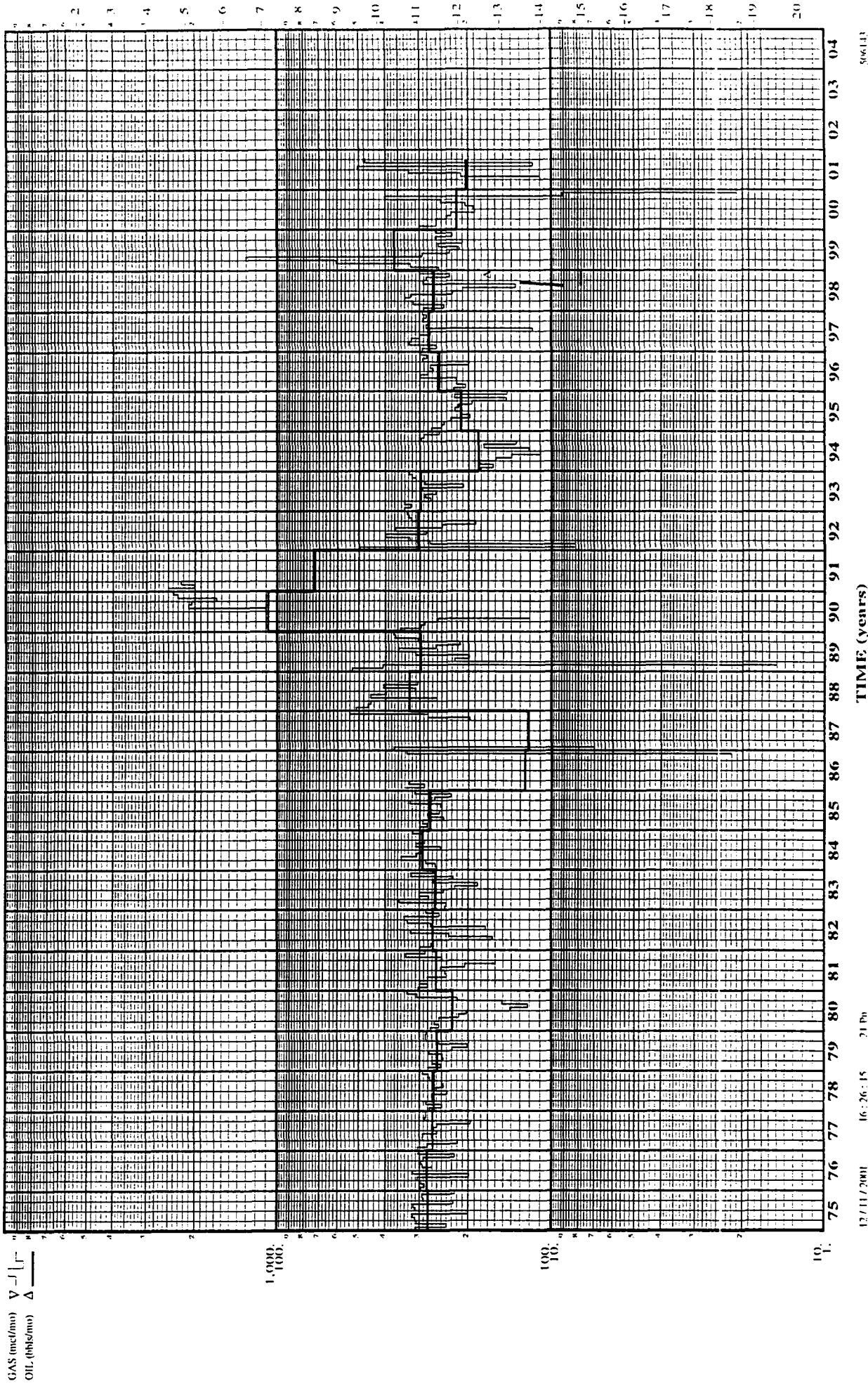
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BOLACK C 7
XTO ENERGY
BLANCO S (PICTURED CLIFFS)
SAN JUAN, NEW MEXICO
33E 27N 8W
BASE 506143
BGV
SAN JUAN 70102

GAS (mcl/mo)	Δ	∇	\square
OIL (bbls/mo)			



In August 2001 replaced plunger and recently optimized plunger operation. Well is currently producing at 60-70 mcf/d.

BOLACKC 15

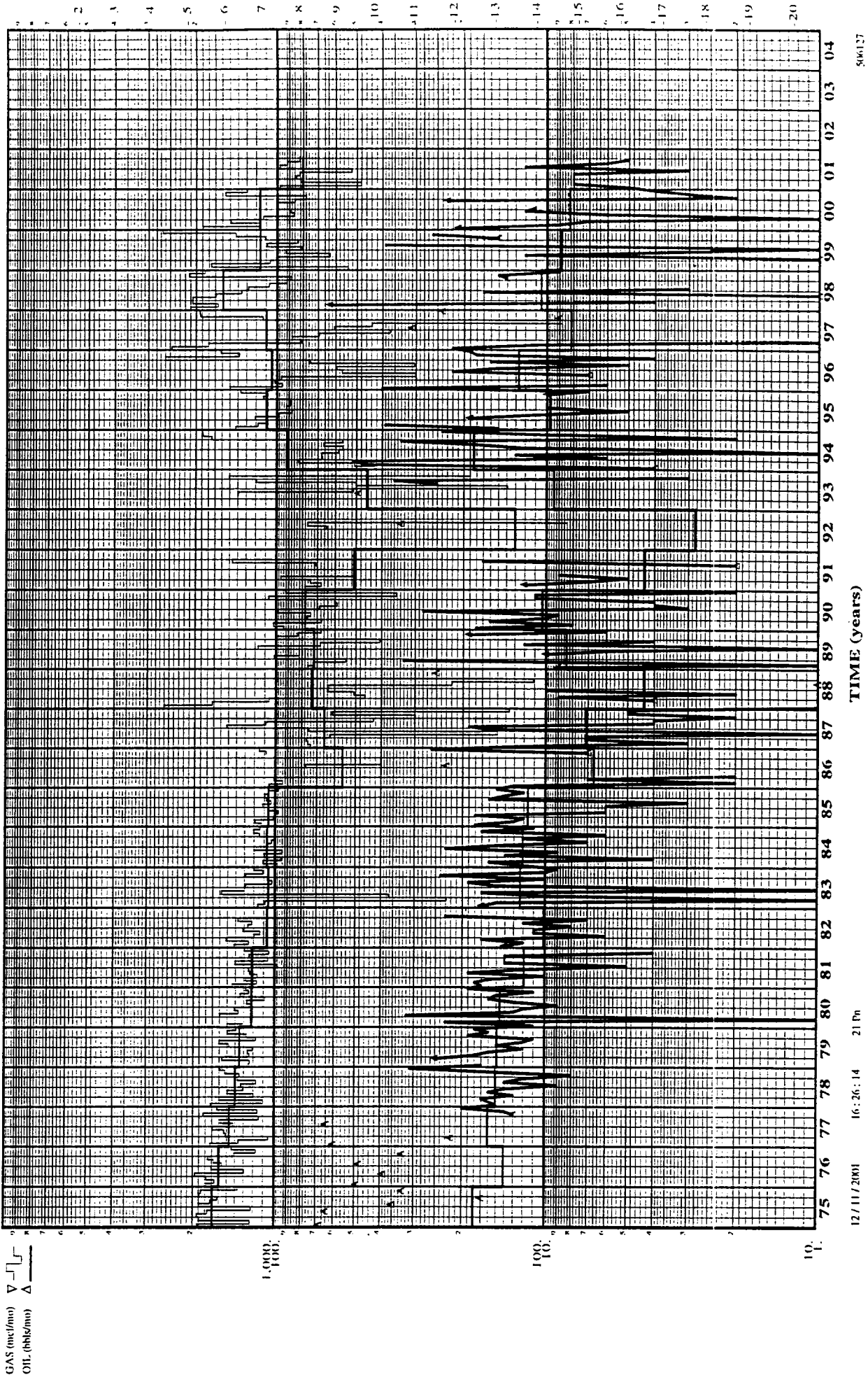
XTO ENERGY
BLANCO (MESAVERDE)
SAN JUAN, NEW MEXICO
33L 27N 8W
BGV

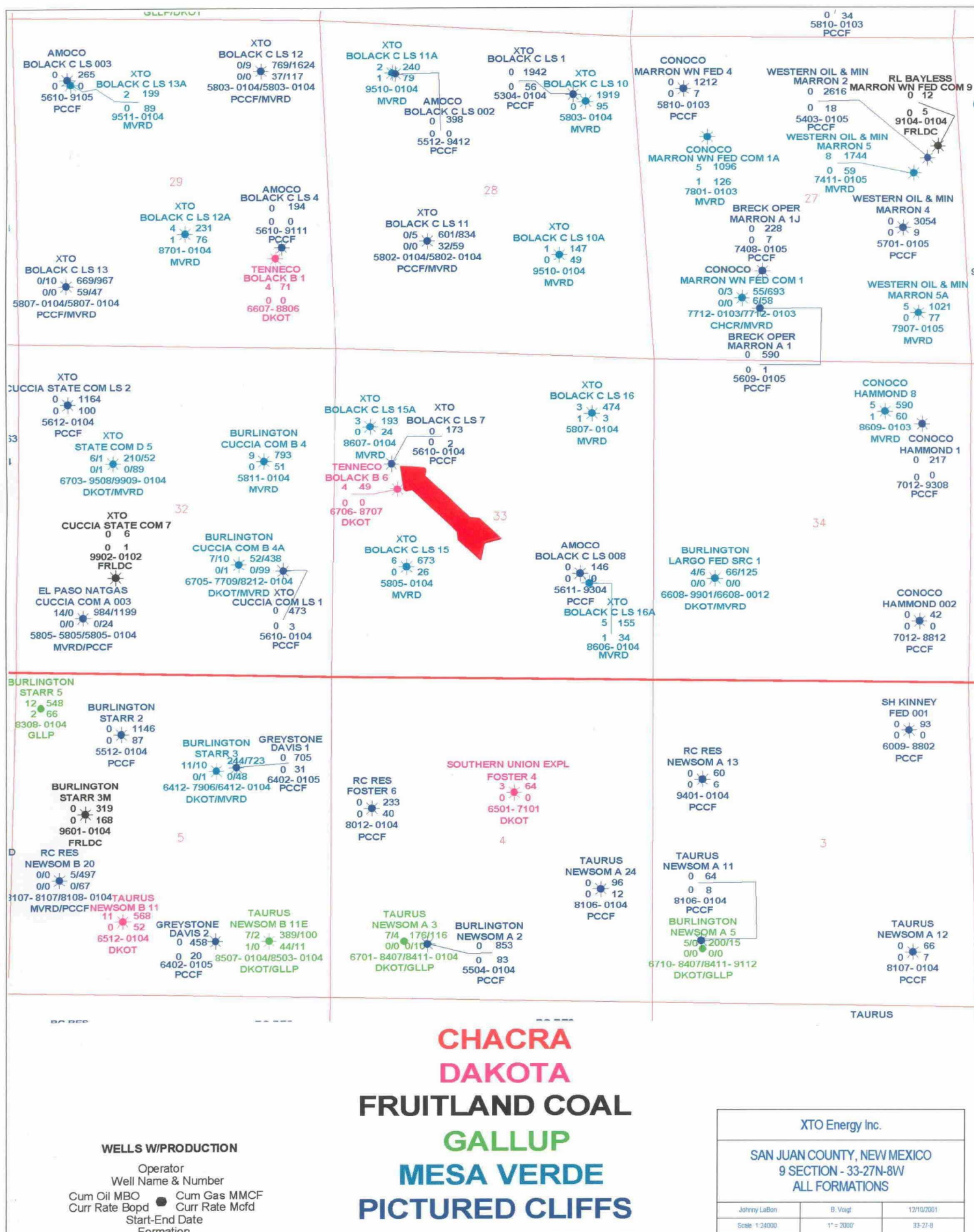
SAN JUAN
70097

BASE
506127

DLS JAW BGII

Run Date : 03/05/01
Run Time : 14:04:43







NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

November 29, 2001

Lori Wrotenbery
Director
Oil Conservation Division

XTO Energy, Inc.
810 Houston Street
Fort Worth, Texas 76102

Attention: George A. Cox

Re: *Administrative application for an exception to the well location provisions (Rule 7) of the "Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool," as promulgated by Division Order No. R-8768, as amended.*

Dear Mr. Cox:

This letter acknowledges the receipt of your administrative application dated November 6, 2001 seeking authorization to recomplete the existing Bolack "C" LS Well No. 7 (API No. 30-045-06143) at an unorthodox off-pattern Basin-Fruitland coal gas well location within a standard 320-acre stand-up gas spacing unit comprising the W/2 of Section 33, Township 27 North, Range 8 West, NMPM, San Juan County, New Mexico that is 1840 feet from the North line and 918 feet from the West line (Unit E) of Section 33. The Division received your application on November 8, 2001, and assigned it NMOCD reference No. *pKRV0-131357421*. Please refer to this number in future correspondence with the Division.

Having received several applications in the past to recomplete existing wells to the Basin-Fruitland Coal (Gas) Pool at unorthodox coal gas well locations which are off-pattern for coal gas development, it appears that additional information may be necessary to properly evaluate future filings in instances when there are at least two wells within the proposed coal spacing unit producing from the same formation in which the one to be recompleted is also off-pattern.

Within the proposed W/2 320-acre coal dedication, XTO operates a well within the SW/4 of Section 33, the Bolack "C" LS Well No. 15 (API No. 30-045-06127), located at a standard coal gas well location in Unit "L" of Section 33. Why was the No. 7 well chosen over this well? Also, how does this off-pattern recompletion effect coal gas development in the immediate area? Please submit any support production data, engineering evaluation, wellbore design, and related technical data to support your choice of wells for recompletion. Also submit a plat of the offsetting sections showing planned coal gas completions or currently producing wells and provide a discussion addressing the proposed off-pattern development.

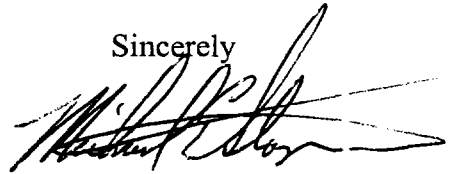
Since the submitted information is insufficient to review at this time, the application was ruled as incomplete on November 29, 2001. Please submit the above stated information by Thursday, December 6, 2001.

XTO Energy, Inc.
November 29, 2001
Page 2

The Division can not proceed with your application until the required information is submitted. Upon receipt, the Division will continue to process your application. The additional information can be faxed to (505) 476-3471, or mailed to the Division in Santa Fe. If the necessary information is not submitted, your application will be returned to you.

Should you have any questions concerning this matter, please contact me in Santa Fe at (505) 476-3465. Thank you.

Sincerely

A handwritten signature in black ink, appearing to read "Michael E. Stogner", with a long horizontal flourish extending to the right.

Michael E. Stogner
Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division – Aztec