

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 \_\_\_\_\_

01 NOV - 9 PM 5:05  
 RECEIVED  
 NEW MEXICO OIL CONSERVATION DIVISION

- [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

L ANDRETTA  
 Title

11-6-01  
 Date

GEORGE COX @ XTOENERGY.COM  
 e-mail Address



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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

<sup>10</sup> Surface Location

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

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

	<p><sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p><i>Darrin Steed</i> Signature Darrin Steed Printed Name Operations Engineer Title 11/1/01 Date</p>
	<p><sup>18</sup> 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></p> <p>June 6, 1956 Date of Survey Signature and Seal of Professional Surveyer: <i>Original signed by</i> <i>BO Walker</i> 1007 Certificate Number</p>

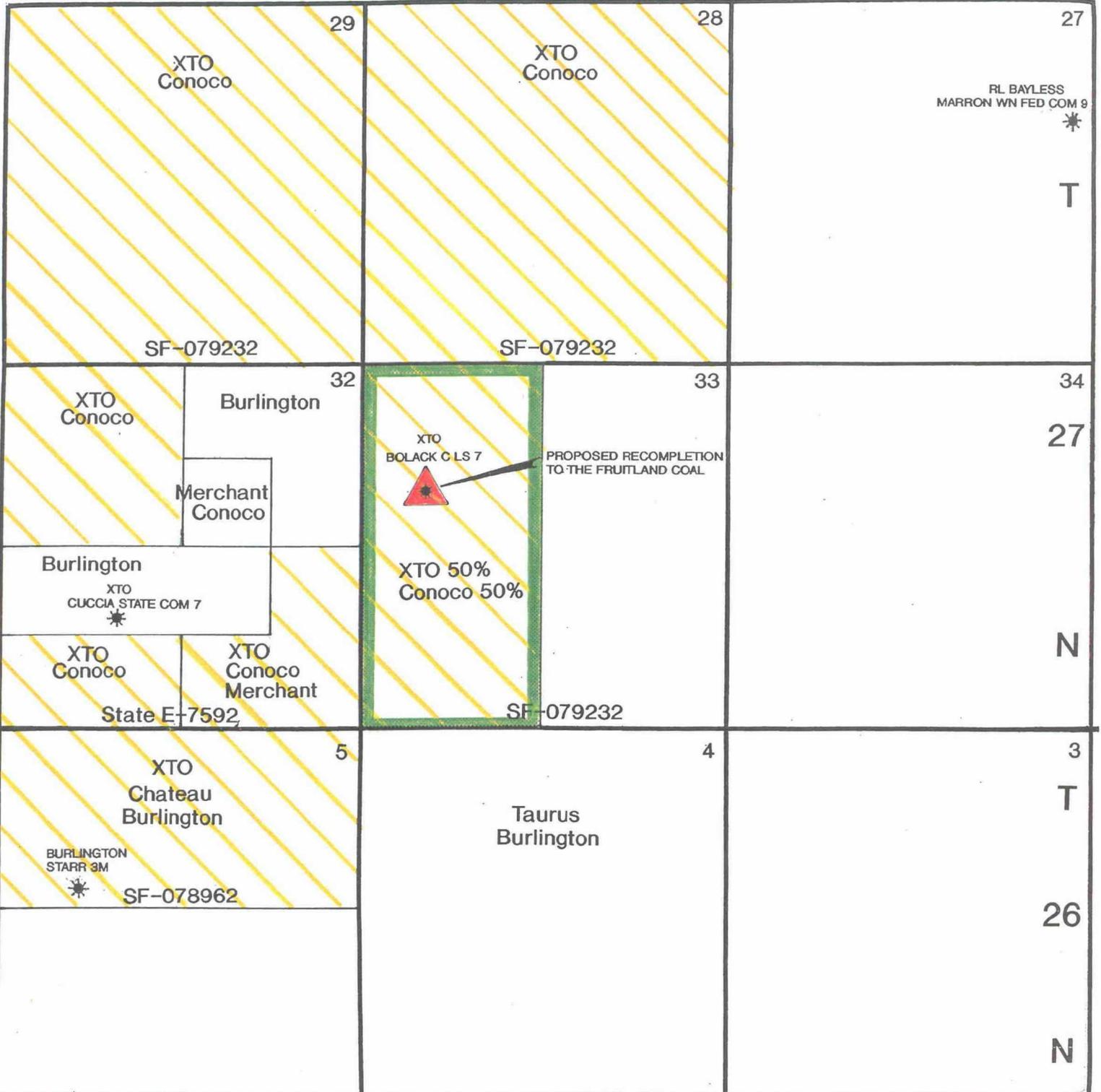


SECTION PLAT OF 9 SQUARE MILES

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 LaBem	B. Voigt	10/29/2001
Scale 1:24000	1" = 2000'	39-27-8



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.



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:**

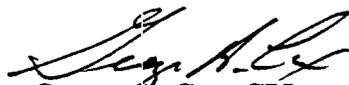
Chateau Energy Inc.  
5950 Berkshire Lane #275  
Dallas, Texas 75225-5846

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: Bolack C IS #7

2. Article Number

*(Transfer from service label)*

7001 0320 0004 8336 5060

PS Form 3811, August 2001

Domestic Return Receipt

102595-01-M-1509

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

 Agent AddresseeB. 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:

Merchant Resources  
Two Greenspoint Park, Suite 380-S  
16800 Greenspoint Park Drive  
Houston, TX 77060  
GAC 11 06 01: Bolack C LS #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 AddresseeB. 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

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. 8<sup>th</sup> for review and  
comment. Thanks*

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

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](mailto: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

6. Lease Designation and Serial No.  
SF-079232

8. 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
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Return to Production
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

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

Signed Gail Jefferson Title Business Assistant Date 02-16-1995

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

ACCEPTED FOR RECORD

FEB 28 1995

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

FARMINGTON DISTRICT OFFICE

MOOD

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-104

Revised October 18, 1994

District II  
811 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION

Instructions on back

Submit to Appropriate District Office

5 Copies

District III  
1000 RioBrazos Rd., Aztec, NM 87410

2040 South Pacheco

Santa Fe, NM 87505

AMENDED REPORT

District IV  
2040 South Pacheco, Santa Fe, NM 87505

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address <b>CROSS TIMBERS OPERATING COMPANY 6001 Highway 64 Farmington, NM 87401</b>		<sup>2</sup> OGRID Number <b>167067</b>
		<sup>3</sup> Reason for Filing Code <b>Change of Operator 12/1/97 11/98</b>
<sup>4</sup> API Number <b>30-045-06143</b>	<sup>5</sup> Pool Name <b>S BLANCO PICTURED CLIFFS</b>	<sup>6</sup> Pool Code <b>72439</b>
<sup>7</sup> Property Code	<sup>8</sup> Property Name <b>BOLACK C LS</b>	<sup>9</sup> Well Number <b>7</b>

II. <sup>10</sup> Surface Location

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

<sup>11</sup> 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
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters

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

RECEIVED  
DEC 19 1997

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
-------------------	--

OIL CON. DIV.  
DIST. 3

V. Well Completion Data

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

VI. Well Test Data

<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date	<sup>38</sup> Test Length	<sup>39</sup> Tbg. Pressure	<sup>40</sup> Csg. Pressure
<sup>41</sup> Choke Size	<sup>42</sup> Oil	<sup>43</sup> Water	<sup>44</sup> Gas	<sup>45</sup> AOF	<sup>46</sup> Test Method

<sup>47</sup> 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. Vernerberg</i>	<b>OIL CONSERVATION DIVISIO</b> Approved by: <b>Frank T. Chavez</b> Title: <b>Supervisor District #3</b> Approval Date:
Printed Name: <b>Vaughn O. Vernerberg, II</b>	
Title: <b>Sr. Vice President-Land</b>	
Date: <b>December 1, 1997</b> Phone: <b>(505) 632-5200</b>	

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

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

5. Lease Designation and Serial No.

2 52 SF-079232

8. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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

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

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  
OIL CON. DIV.  
DIST. 3  
OCT - 3 1994  
GEO MANAGEMENT, N.M.  
21 SEP - 0 AM 10: 21

RECEIVED  
OCT - 3 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:

SEP 30 1994

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.

DISTRICT MANAGER

\* See Instructions on Reverse Side

NMCOO

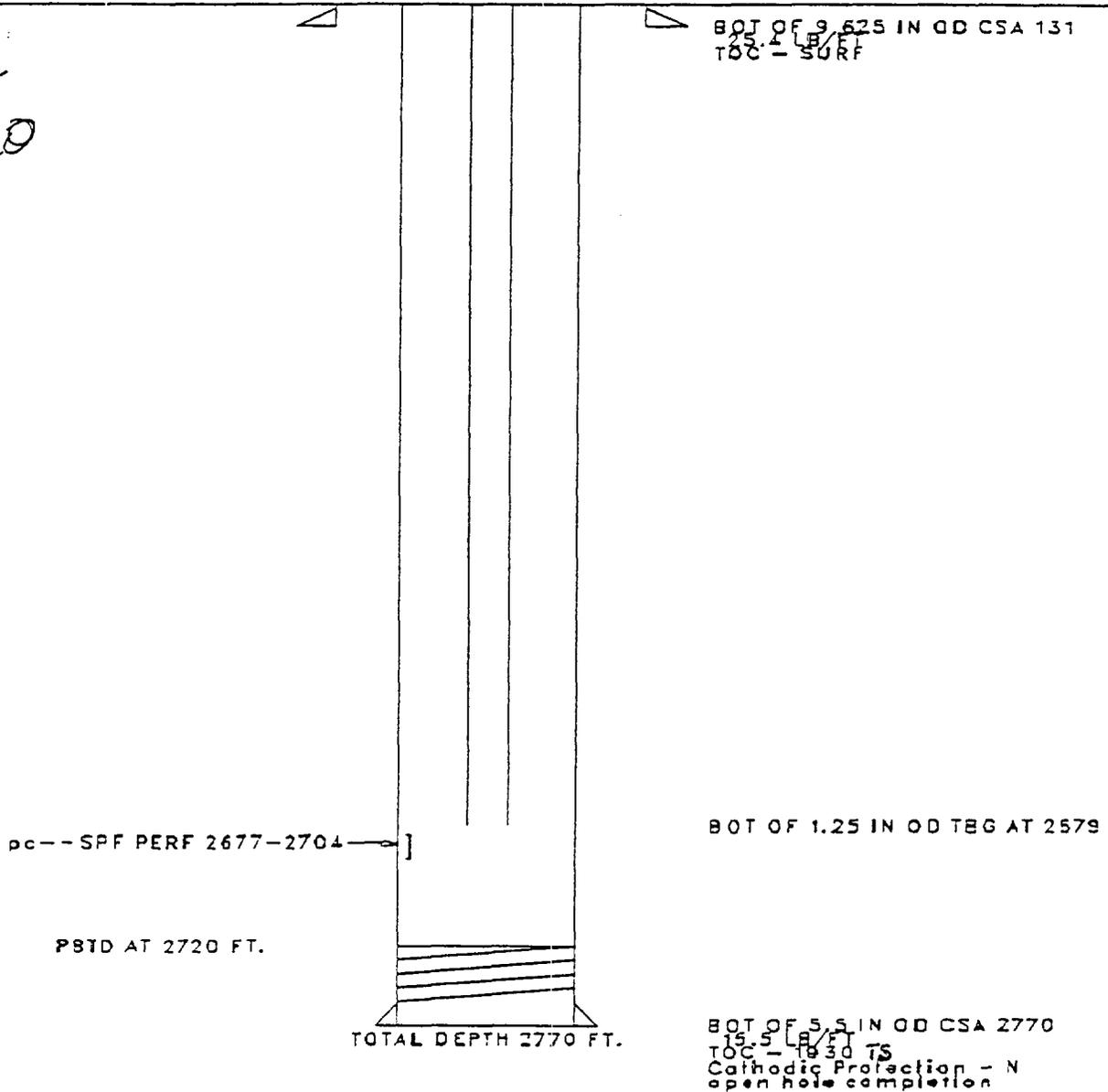
*CB*

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



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

RECEIVED

I.

Operator <b>Amoco Production Company</b>	Well API No. <b>3004506143</b>
Address <b>1670 Broadway, P. O. Box 800, Denver, Colorado 80201</b>	
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 <b>Tenneco Oil E &amp; P, 6162 S. Willow, Englewood, Colorado 80155</b>	

OIL CONSERVATION DIV.  
SANTA FE

### II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>BOLACK C LS</b>	Well No. <b>7</b>	Pool Name, Including Formation <b>BLANCO SOUTH (PICT CLIFFS)</b>	FEDERAL	Lease No. <b>SF079232</b>
Location				
Unit Letter <b>E</b>	<b>1840</b>	Feet From The <b>FNL</b>	Line and <b>918</b>	Feet From The <b>FWL</b> Line
Section <b>33</b>	Township <b>27N</b>	Range <b>8W</b>	<b>NMPM</b>	<b>SAN JUAN</b> 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)	
<b>EL PASO NATURAL GAS COMPANY</b>	<b>P. O. BOX 1492, EL PASO, TX 79978</b>	
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, RKB, RT, GR, etc)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
<b>TUBING, CASING AND CEMENTING RECORD</b>								
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  
**January 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  
OPERATOR

Polack 7-C E 33-27-3  
LEASE WELL UNIT S-T-R

South Blanco Pictured Cliff El Paso Natural Gas Company  
POOL NAME OF PURCHASER

WAS MADE ON May 3, 1957 , FIRST DELIVERY May 3, 1957  
DATE DATE

277 MCF/D  
INITIAL POTENTIAL

El Paso Natural Gas Company  
PURCHASER

Chief Dispatcher  
REPRESENTATIVE

Chief 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. 7-2 Unit Letter E S 33 T 27N R SW Pool So. Blanco F.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 *Lawell M. Bolack*

Approved \_\_\_\_\_ 19 \_\_\_\_\_

Title Petroleum Engineer

OIL CONSERVATION COMMISSION

Company El Paso Natural Gas Co.

By *[Signature]*

Address Box 997, Farmington, N.M.

Title \_\_\_\_\_

\_\_\_\_\_

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED			
DISTRIBUTION			
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

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	Other (Please explain)
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input type="checkbox"/> Condensate	
<input checked="" type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas		

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 <b>Bolack C LS</b>	Well No. <b>7</b>	Pool Name, including Formation <b>So. Blanco-PC</b>	Kind of Lease State, Federal or Fee <b>USA</b> <b>SF</b>	Lease No. <b>079232</b>
Location				
Unit Letter <b>E</b>	: <b>1840</b>	Feet From The <b>N</b>	Line and <b>918</b>	Feet From The <b>W</b>
Line of Section <b>33</b>	Township <b>27N</b>	Range <b>8W</b>	NMPM. <b>San Juan</b> 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)
<b>Conoco Inc. Surface Transportation</b>	<b>P. O. Box 460, Hobbs, NM 88240</b>
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)
<b>El Paso Natural Gas</b>	<b>P. O. Box 4990, Farmington, NM 87499</b>
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
Unit <b>E</b> Sec. <b>33</b> Twp. <b>27N</b> Rge. <b>8W</b>	<b>Yes</b>

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

SEP 1 1985  
(Date)

OIL CONSERVATION DIVISION

APPROVED

BY

TITLE

*Frank J. Dwyer*  
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 recompletions 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.

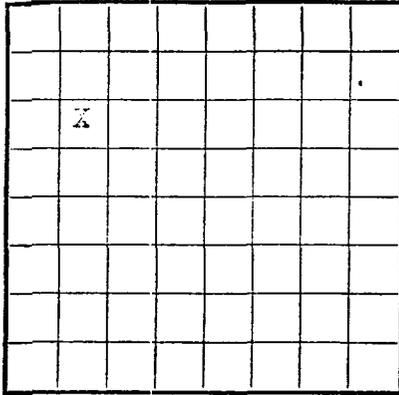


# ILLEGIBLE

Form 9-330

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

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



LOCATE WELL CORRECTLY

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 Bolock Field Co. Blanco State New Mexico  
Well No. 7-C Sec. 33 T. 27N R. 2W Meridian NMP County San Juan  
Location 1040 ft. N of S Line and 918 ft. E of W Line of Section 33 Elevation 9107  
(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 [Signature]

Date November 5, 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 1/2</u>	<u>25.4</u>	<u>8.0</u>	<u>W</u>	<u>121'</u>	<u>Howco</u>				<u>Surface</u>
<u>5 1/2</u>	<u>15.5</u>	<u>8.0</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 1/2</u>	<u>231'</u>	<u>100</u>	<u>Circulated</u>		
<u>5 1/2</u>	<u>270'</u>	<u>150</u>	<u>Single stage</u>		

### PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

FOLD MARK

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

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
Unassembled	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
			<p><b>ILLEGIBLE</b></p>

10-4-56	T.D. 2770'	C.O.T.L. 2720'	Water fractured	Pictured Cliff	perf. int.
	2577-2704		with 30,500 gal. water & 40,000 sand.	BDP 2100'	max. pr. 2100'
			avg. tr. pr. 1800'	Injection rate 60.9 BPM.	Flush 3200 gallons.

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

**HISTORY OF OIL OR GAS WELL**

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 30,500 gal. water & 40,000 sand. BDP 2100', max. pr. 2100', avg. tr. pr. 1800'. Injection rate 60.9 BPM. Flush 3200 gallons.

DATE OF LOGGING

NAME OF LOGGERS

ADDRESS OF LOGGERS

LOGGING COMPANY

LOGGING COMPANY

ADDRESS

LOGGERS

DATE OF LOGGING

LOGGING COMPANY


**LOG OF OIL OR GAS WELL**

GEOLOGICAL SURVEY  
DEPARTMENT OF THE INTERIOR  
UNITED STATES

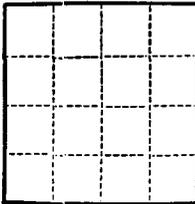
**ILLEGIBLE**

NUMBER OF PAGES TO WHICH THIS LOG IS REFERRED

DATE OF LOGGING

LOGGERS

ADDRESS



(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.....	<u>Water Fracture</u>	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 MMM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
So. Blanco San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6707 ft.

DETAILS OF WORK

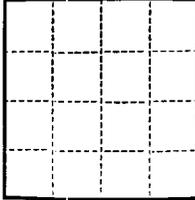
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

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. 6782  
Unit 1-1-1

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. 1-1-1 is located 100 ft. from N line and 100 ft. from E line of sec. 36  
100 (1/4 Sec. and Sec. No.)      100 (Twp.)      100 (Range)      100 (Meridian)  
100 (Field)      100 (County or Subdivision)      100 (State or Territory)

The elevation of the derrick floor above sea level is 1000 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)

*[Faint, illegible text describing well details]*

ILLEGIBLE

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

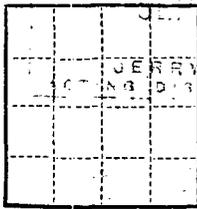
Company 100

Address 100

Original Signed W. S. Gove

By 100

Title 100



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Santa Fe  
Lease No. 07232  
Unit 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 31, 1956

Well No. 7-C is located 1040 ft. from N line and 210 ft. from W line of sec. 33

33 Section 33 (1/4 Sec. and Sec. No.) 27N (Twp.) 4E (Range) 100W (Meridian)

Blanco (Field) San Juan (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 5107 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", 19.5#, J-65 casing (2700') set at 2770' with 75 sacks regular cement, 75 sacks Pozzix, 47 Gal, 1/2# Floccals/ck.  
Total 1000' for 30 minutes.  
Top of cement by temperature survey at 1930'.

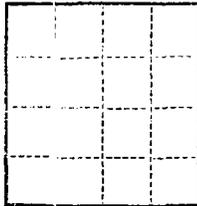
ILLEGIBLE

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 Company

Address Box 197  
Farmington, New Mexico

By [Signature]  
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.....	<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)

June 25, 1956

Well No. 7-C is located 1240 ft. from N line and 210 ft. from W line of sec. 33.

NW Section 33 27N 3W 105W  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Sa. 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 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 Pozzix.

The NW/4 of Section 33 is dedicated to this well.  
NW/4, SF 079232.

ILLEGIBLE

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

Company A. Paso Natural Gas Company

Address Box 297

Santa Fe, New Mexico

By [Signature]

Title Petroleum Engineer

WELL LOCATION AND OR GAS PRORATION PLAT

JUNE 19, 1956

EL PASO NATURAL GAS COMPANY

BOLACK "C"

SF 079232

7

33

27-N

8-W

1840

NORTH

918

WEST

SAN JUAN

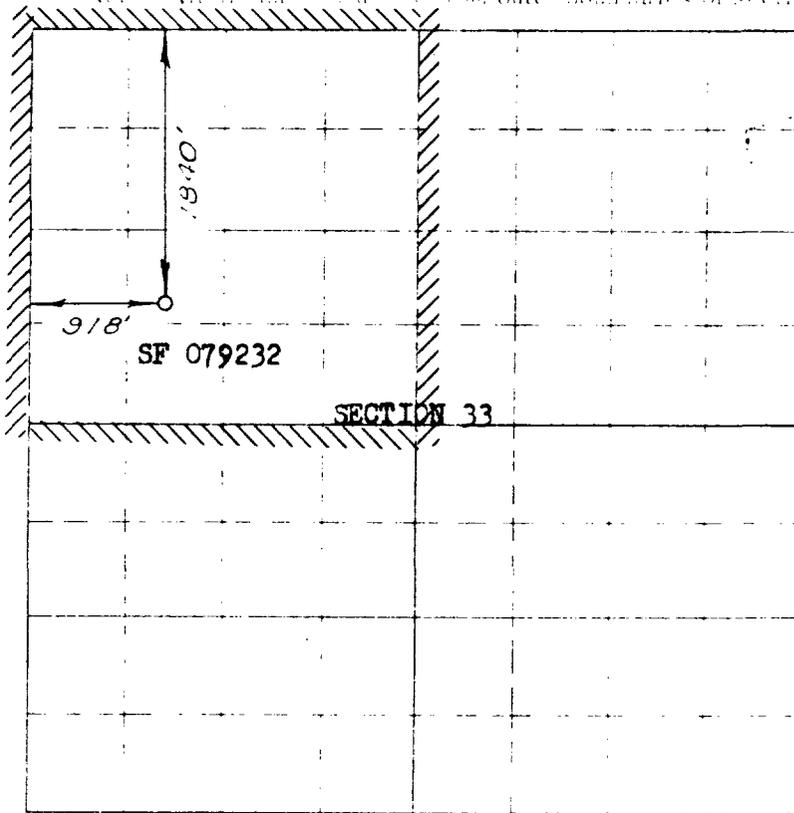
6697

PICTURED CLIFF

SO. BLANCO

160 ACRES (1882 PLAT)

Note: All dimensions are from outer boundaries of section.



Size of Unit is equal to 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 direct supervision, and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed: JUNE 6, 1956

*C. O. Walker*

Registered Professional Engineer and/or Land Surveyor

ILLEGIBLE

1. Is this well a Dual Well?

Yes \_\_\_\_\_ No **X**

2. If the answer to Question 1

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

Yes \_\_\_\_\_ No \_\_\_\_\_

Name: *Samuel Walker*

Position: **Petroleum Engineer**

representing: **El Paso Natural Gas Co.**

Address: **Box 191, Farmington, N.M.**

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

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

AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

<sup>1</sup> Operator name and Address <b>CROSS TIMBERS OPERATING COMPANY 6001 Highway 64 Farmington, NM 87401</b>		<sup>2</sup> OGRID Number <b>167067</b>
		<sup>3</sup> Reason for Filing Code <b>Change of Operator <del>12/1/97</del> 1/1/98</b>
<sup>4</sup> API Number <b>30-045-06127</b>	<sup>5</sup> Pool Name <b>BLANCO MESAVERDE</b>	<sup>6</sup> Pool Code <b>72319</b>
<sup>7</sup> Property Code	<sup>8</sup> Property Name <b>BOLACK C LS</b>	<sup>9</sup> Well Number <b>15</b>

**II. <sup>10</sup> Surface Location**

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

**<sup>11</sup> 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
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

**III. Oil and Gas Transporters**

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

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DEC 19 1997

**IV. Produced Water**

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
-------------------	--

**OIL CON. DIV.**  
**DIST. 3**

**V. Well Completion Data**

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

**VI. Well Test Data**

<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date	<sup>38</sup> Test Length	<sup>39</sup> Tbg. Pressure	<sup>40</sup> Csg. Pressure
<sup>41</sup> Choke Size	<sup>42</sup> Oil	<sup>43</sup> Water	<sup>44</sup> Gas	<sup>45</sup> AOF	<sup>46</sup> Test Method

<sup>47</sup> 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: *Vaughn O. Vernerberg*

Printed Name: **Vaughn O. Vernerberg, II**

Title: **Sr. Vice President-Land**

Date: **December 1, 1997** Phone: **(505) 632-5200**

**OIL CONSERVATION DIVISIO**

Approved by: **Frank T. Chavez**

Title: **Supervisor District #3**

Approval Date:

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

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

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

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

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.

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OCT 19 1996  
OIL GEN. 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)

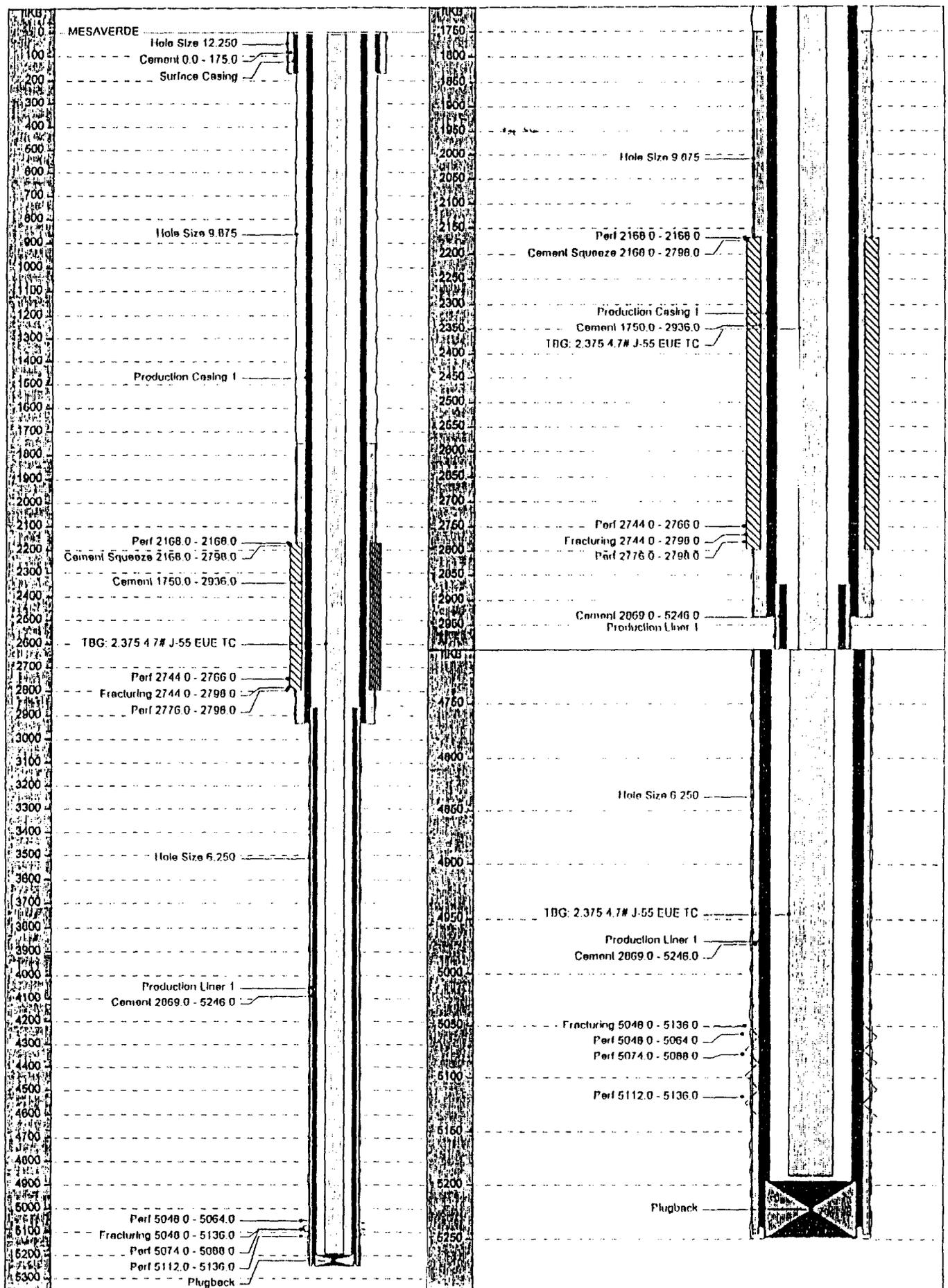
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any: **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.

OCT 02 1996  
for Chris Henderson





**OIL CONSERVATION DIVISION**

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

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

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

**REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS**

I.

Operator <b>AMOCO PRODUCTION COMPANY</b>	Well API No. <b>450612700</b>
Address <b>P.O. BOX 800, DENVER, COLORADO 80201</b>	
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 checked="" 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 <b>BOLACK C LS</b>	Well No. <b>15</b>	Pool Name, including Formation <b>BLANCO MESAVERDE (PRORATED GAS)</b>	Kind of Lease State, Federal or Fee	Lease No.
Location Unit Letter <b>L</b> : <b>1800</b> Feet From The <b>FSL</b> Line and <b>1180</b> Feet From The <b>FWL</b> Line	Section <b>33</b>	Township <b>27N</b>	Range <b>8W</b>	County <b>SAN JUAN</b>

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> <b>MERIDIAN OIL INC.</b>	Address (Give address to which approved copy of this form is to be sent) <b>3535 EAST 30TH STREET, FARMINGTON, NM 87401</b>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> <b>EL PASO NATURAL GAS COMPANY</b>	Address (Give address to which approved copy of this form is to be sent) <b>P.O. BOX 1492, EL PASO, TX 79978</b>
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 Sl oe				
<b>TUBING, CASING AND CEMENTING RECORD</b>								
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.)

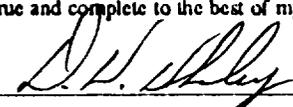
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

**GAS WELL**

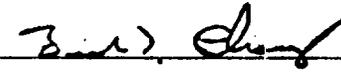
Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

**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.

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

**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

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

### OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

**RECEIVED**

### REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

**JUN 13 1989**

**OIL CONSERVATION DIV.  
SANTA FE**

**I.**

Operator <b>Amoco Production Company</b>	Well API No. <b>3004506127</b>
Address <b>1670 Broadway, P. O. Box 800, Denver, Colorado 80201</b>	
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"/>
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**

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name <b>BOLACK C LS</b>	Well No. <b>15</b>	Pool Name, including Formation <b>BLANCO (MESAVERDE)</b>	FEDERAL	Lease No. <b>SF079232</b>
Location				
Unit Letter <b>L</b>	<b>1800</b>	Feet From The <b>FSL</b>	Line and <b>1180</b>	Feet From The <b>FWL</b> Line
<b>Section 33</b>	<b>Township 27N</b>	<b>Range 8W</b>	<b>NMPM, SAN JUAN</b>	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)	
<b>CONOCO</b>	<b>P. O. BOX 1429, BLOOMFIELD, NM 87413</b>	
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)	
<b>EL PASO NATURAL GAS COMPANY</b>	<b>P. O. BOX 1492, EL PASO, TX 79978</b>	
If well produces oil or liquids, give location of tanks.	Unit	Sec.

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]*  
**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

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	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	Well Name
<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)

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 <b>Bolack C LS</b>	Well No. <b>15</b>	Pool Name, Including Formation <b>Blanco-MV Ext.</b>	Kind of Lease State, Federal or Fee <b>USA SF</b>	Lease No. <b>079232</b>
Location				
Unit Letter <b>L</b>	: <b>1800</b>	Feet From The <b>S</b>	Line and <b>1180</b>	Feet From The <b>W</b>
Line of Section <b>33</b>	Township <b>27N</b>	Range <b>8W</b>	NMPM. <b>San Juan</b>	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

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

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

OIL CONSERVATION DIVISION  
APPROVED *Frank J. Dwyer*  
BY **SUPERVISOR DISTRICT 3**  
TITLE

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only 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	SACS 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 (plot, 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  
OPERATOR

Delach 15-1 LEASE      "11" WELL UNIT      23-27-8 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 DATE

Choke 868  
ACT 917  
INITIAL POTENTIAL

El Paso Natural Gas Company  
PURCHASER

[Signature]  
REPRESENTATIVE

Assistant 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  
OPERATOR

Bolack #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 DATE

Choke 368  
AOF 917  
INITIAL POTENTIAL

El Paso Natural Gas Company  
PURCHASER  
J. BELLENAERS  
REPRESENTATIVE

Assistant 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	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRODUCTION 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 <b>El Paso Natural Gas Company</b>	Lease <b>Bolack</b>	Well No. <b>1570</b>
---	------------------------	-------------------------

Unit Letter <b>L</b>	Section <b>33</b>	Township <b>27-N</b>	Range <b>8-W</b>	County <b>San Juan</b>
-------------------------	----------------------	-------------------------	---------------------	---------------------------

Pool <b>Blanco Mesa Verde <del>Exp.</del></b>	Kind of Lease (State, Fed, Fee) <b>Federal</b>
--	---

If well produces oil or condensate give location of tanks	Unit Letter <b>Same</b>	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)
<b>El Paso Natural Gas Company</b>	<b>Box 990, Farmington, New Mexico</b>

Is Gas Actually Connected? Yes  No

Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/>	Date Connected <b>9-30-58</b>	Address (give address to which approved copy of this form is to be sent)
<b>El Paso Natural Gas Company</b>		<b>Box 990, Farmington, New Mexico</b>

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

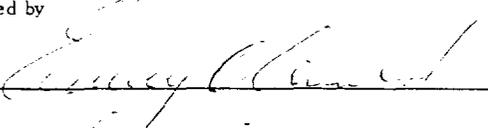
**REASON(S) FOR FILING (please check proper box)**

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.

<b>OIL CONSERVATION COMMISSION</b>	By 
Approved by 	Title <b>Petroleum Engineer</b>
Title 	Company <b>El Paso Natural Gas Company</b>
Date <b>JAN 14 1963</b>	Address <b>Box 990, Farmington, New Mexico</b>

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

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 QUADRUPPLICATE 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 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

County. Date Spudded. 4-13-58 Date Drilling Completed 5-24-58  
Elevation 6782' Total Depth 5247' PERC.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 \_\_\_\_\_

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'	---

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: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

Title: PETROLEUM ENGINEER DIST. NO. 3

Title: Petroleum Engineer

Send Communications regarding well to:

Name: E. S. Oberly

Address: Box 997, Farmington, New Mexico

Form 9-280

MAN OFFICE 000	33								
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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**

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract Bolack Field Blanco Ext. State New Mexico  
Well No. 15-C Sec. 33 T27N. R. 3W Meridian H.M.P.M. County San Juan  
Location 1800 ft. N. of S. Line and 1180 ft. E. of W. Line of Section 33 Elevation 6792  
(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 Donald James J. Johnson

Date July 2, 1958 Title Petroleum Engineer

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

Commenced drilling 4-13-, 1958 Finished drilling 5-24-, 1958

**OIL OR GAS SANDS OR ZONES**

*(Denote gas by G)*

No. 1, from 2736 to 2818 (G) No. 4, from 5027 to 5149 (G)  
No. 2, from 4315 to 4387 (G) No. 5, from ..... to .....  
No. 3, from 4387 to 5027 (G) 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-	
10 3/4"	32.75	8 3/8	J.W.	162'	Howco				Surface
7 5/8"	26.40	8 Rd.	J-55	2925'	Baker				Intermediate
5 1/2"	15.50	8 3/8	J-55	2356'	Baker				Prod. Liner
2"	1.7	8 Rd.	J-55	5162'					Prod. tbg.

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	174'	150	circulated		
7 5/8"	2935'	200	single stage		
5 1/2"	2360-5240'	300	single stage		

**PLUGS AND ADAPTERS**

Heaving plug—Material ..... Length ..... Depth set .....

FOLD MARK

FOLD MARK

2060-5240 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 from .....175..... feet to ~~2936~~..... feet, and from ~~2936~~..... feet to ~~5240~~..... feet

Cable tools were used from .....0..... feet to .....175..... 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 hours ~~650,000~~ 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. Ojo Alamo ss. White cr-grn s.
2060	2505	445	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2505	2730	231	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2730	2810	80	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2810	4310	1497	Lewis formation. Gry to white dense ss w/silty to shaly ss breaks.
4315	4387	72	Cliff House ss. Gry, fine-grn, dense sil ss.
4387	5027	640	Menefee form. Gry, fine-grn s, carb sh & coal.
5027	5149	122	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5149	5247	98	Mancos formation. Gry carb sh.

**ILLEGIBLE**

[OVER]

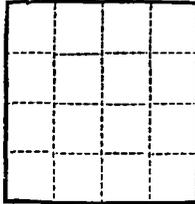
16-43014-4





(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**

\_\_\_\_\_ , 19\_\_

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

15 Sec. 33 (1/4 Sec. and Sec. No.)      33 (Twp.)      15 (Range)      10 (Meridian)  
Blanco (Field)      San Juan (County or Subdivision)      New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 9132 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 (M). 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

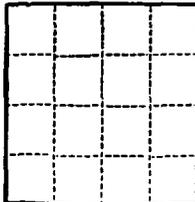
Address Box 197

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

(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 XXXX line and 1100 ft. from WEST line of sec. 33

SW Sec. 33 27N SW H.M.P.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Blanco Ext. 360. 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.

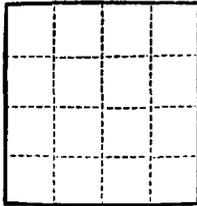
Company El Paso Natural Gas Company

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. 27232  
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

....., 1951

Well No. 27232 is located 100 ft. from N line and 100 ft. from W line of sec. 33  
27 Sec. 33 27N W T.14N. R.1E.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Blanco H.V. Oil & Co. San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5732 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 Victorized Bluffs formation & Lean Beds formation. This circulation will be used down the Victorized Bluffs formation & one intermediate casing. Gas circulation will be used down the Lean Beds & a production liner will be set. Possible productive intervals will be perforated & treated. Estimated Total Depth 3201'.

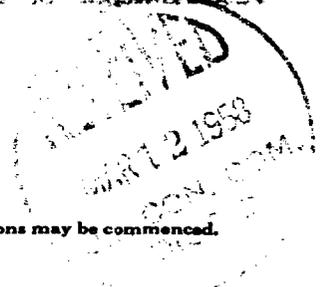
Casing Program:

- 10 3/4" at 170' with 125 sacks cement circulated to the surface.
- 7 7/8" at 4071' with 250 sacks cement.
- 5 7/8" Liner at 3201' with 300 sacks cement.

The 1/2 of Section 33 is dedicated to the Lean Beds.  
 The 1/4 of Section 33 is dedicated to the Victorized Bluffs.  
1/2 27232 S.F. 27232.

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

Company New Mexico Natural Gas Company  
 Address Box 777  
Hemingway, New Mexico  
 By Dr. R. O. Johnston  
 Title Geological Engineer



Well Location and Acreage Dedication Plat

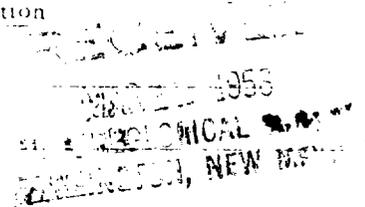
Section A.

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
-------	------------------

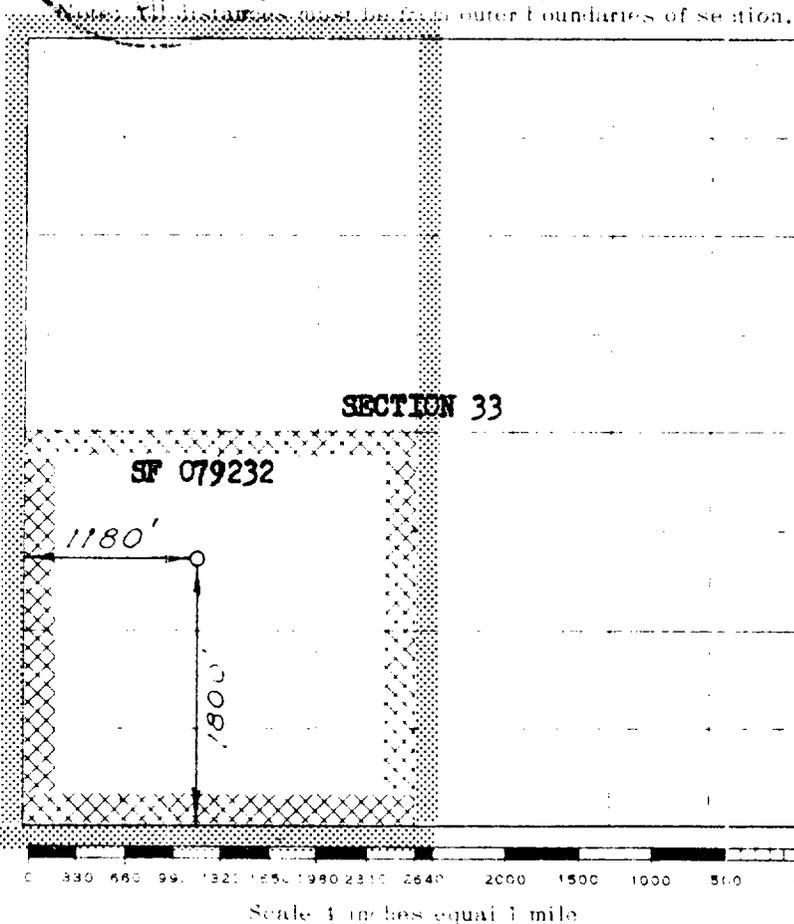


Section B.

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 997  
 (Address)  
Farmington, New Mexico

ILLEGIBLE



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

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

Farmington, New Mexico

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

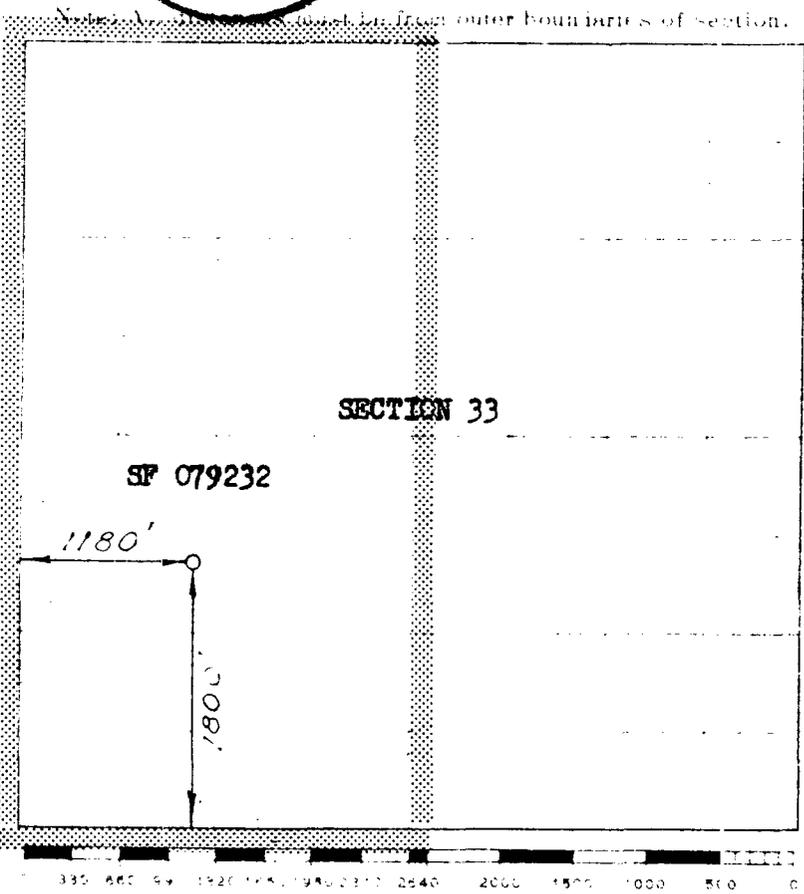
Section B.

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**  
 Original Signed **D. C. Johnston**  
 (Representative)

Box 497 (Address)

Farmington, New Mexico



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

**ILLEGIBLE**

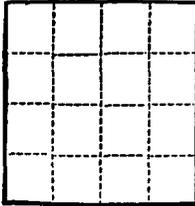
This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Date Surveyed **FEBRUARY 13, 1958**

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

Farmington, New Mexico



(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(11) is located 1300 ft. from N line and 1100 ft. from W line of sec. 33

SW Sec. 33      27N      3W      T.M.T.M.  
(4 Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)  
Blanco Mt. & So. 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 (2525') 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.

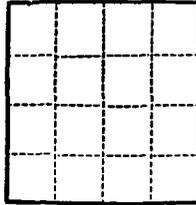
Company El Paso Natural Gas Company

Address Box 217

Farrington, New Mexico

By Original Signed D. C. Johnson

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 1958 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 REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIRING
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 <sup>S</sup> line and 1150 ft. from <sup>W</sup> line

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

Blanco Ext. N. 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; indicating points, and all other important proposed work)

3-24-58 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 be started.

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

PF01 HELP    PF02            PF03 EXIT    PF04 GoTo    PF05            PF06  
PF07 BKWD    PF08 FWD       PF09 PRINT   PF10 SDIV     PF11            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/ Steve and  
no real no 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

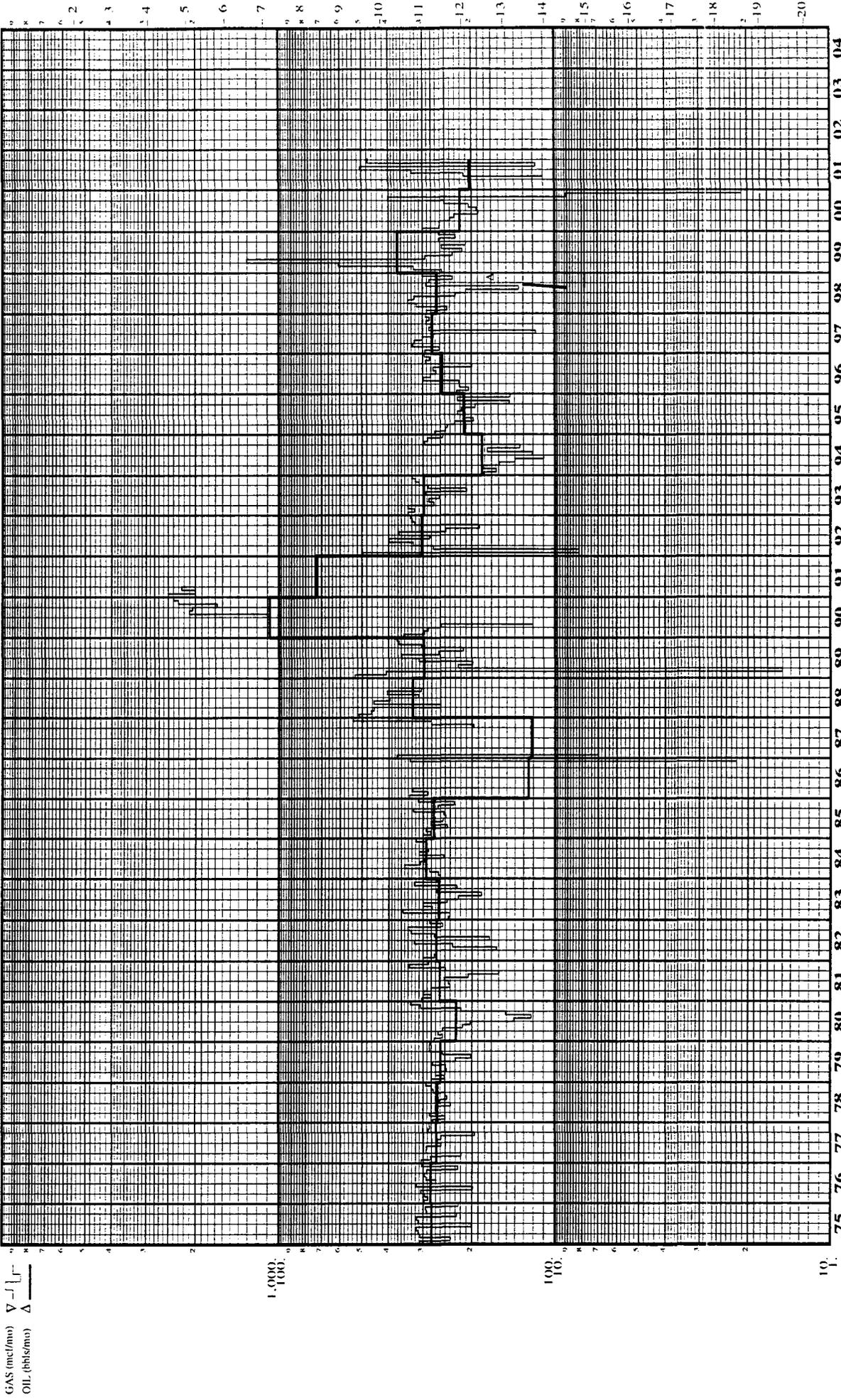
XTO ENERGY  
 BLANCO S ( PICTURED CLIFFS )  
 SAN JUAN, NEW MEXICO  
 33E 27N 8W  
 BGV

BASE  
 506143

SAN JUAN  
 70102

DLS JAW BGI

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



TIME (years)

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

506143

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

BOLACK C 15

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

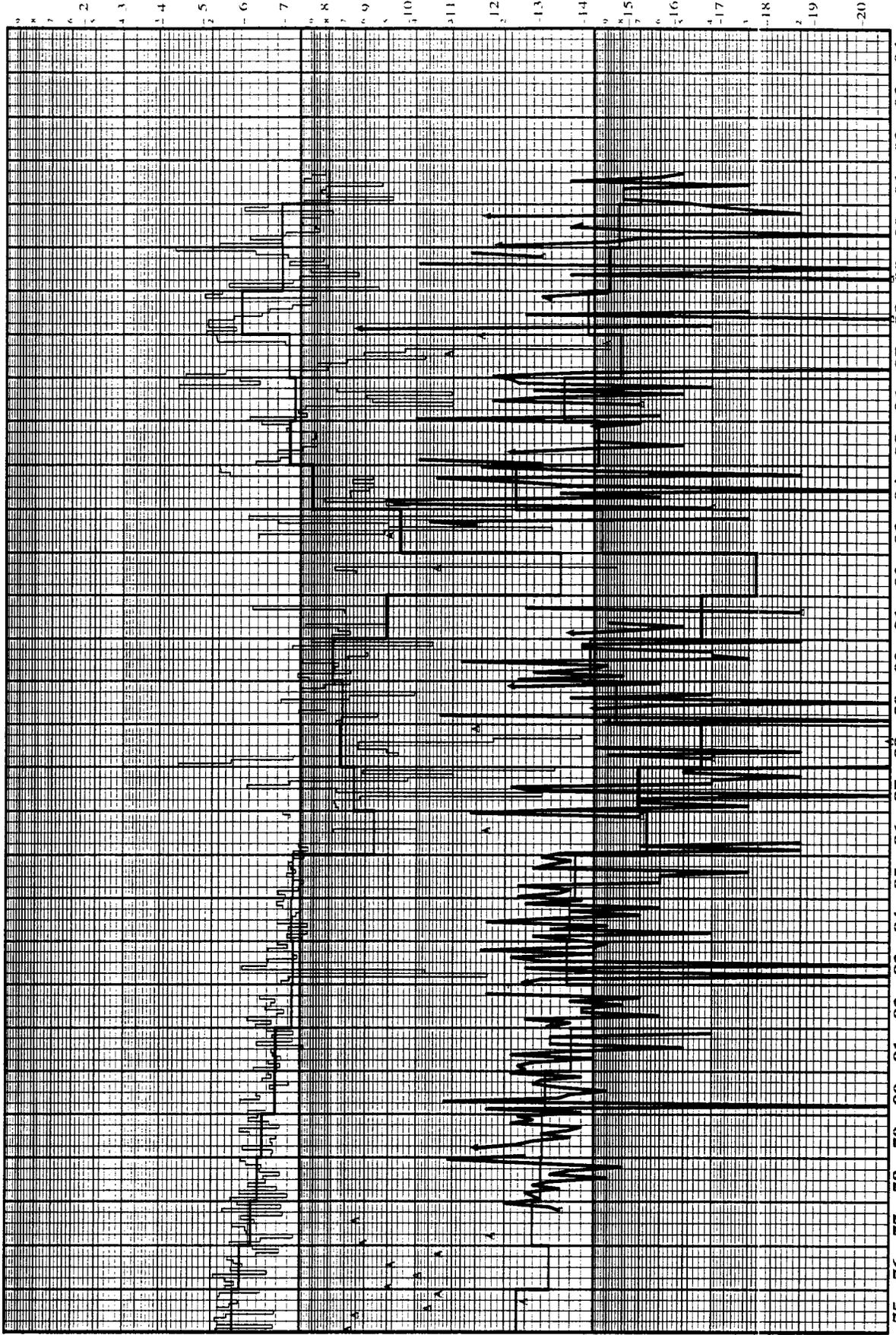
BASE  
506127

SAN JUAN  
70097

DLS JAW BGII

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

GAS (mcf/mo) ▽  
OIL (bbls/mo) △





**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

## **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.

BOLACK C 7

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

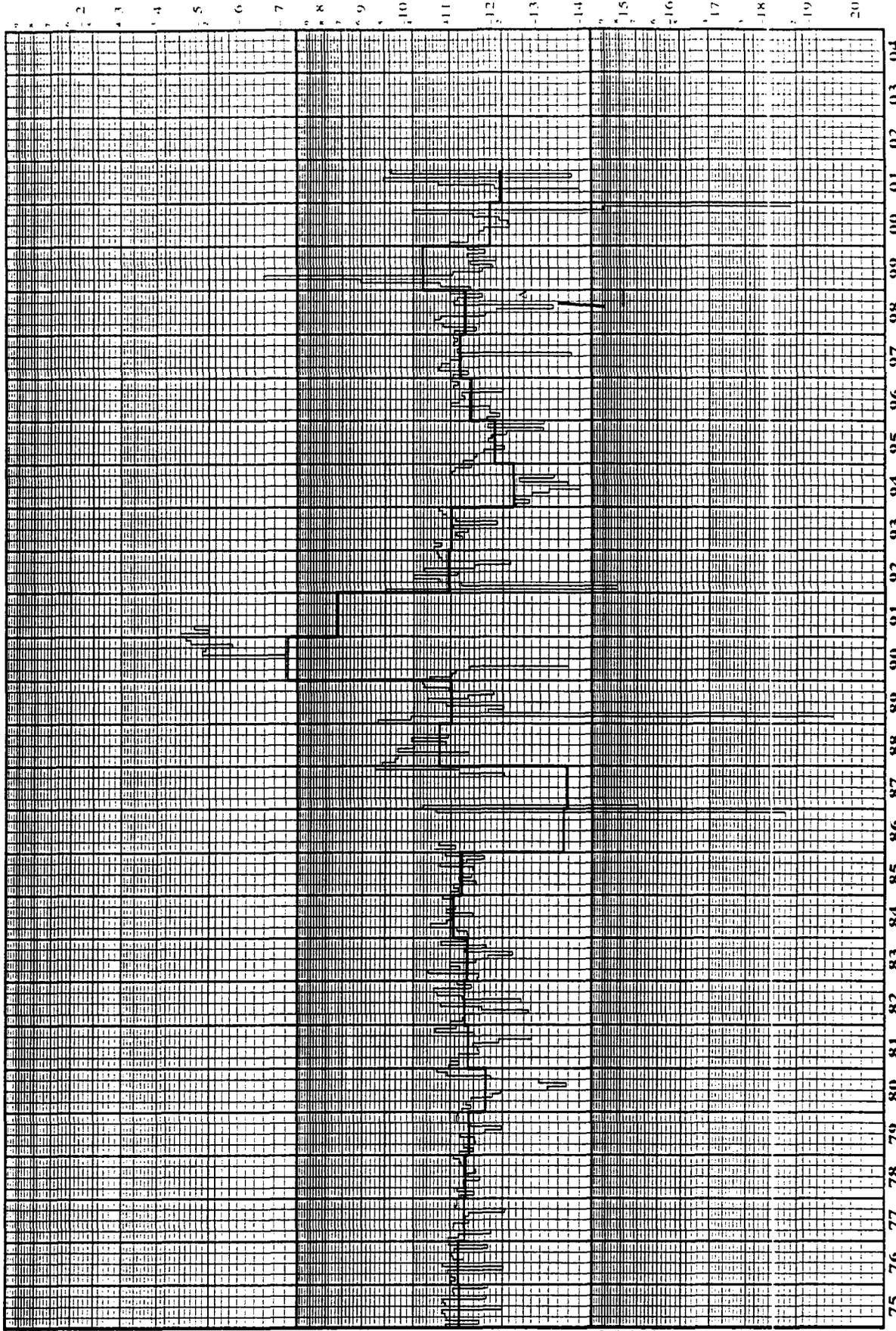
33E 27N 8W  
BGV

BASE  
506143

DLS JAW BGH

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

GAS (mcf/mm) V-J [ ]  
OIL (bbl/mm) Δ [ ]



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

BOLACKC 15

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

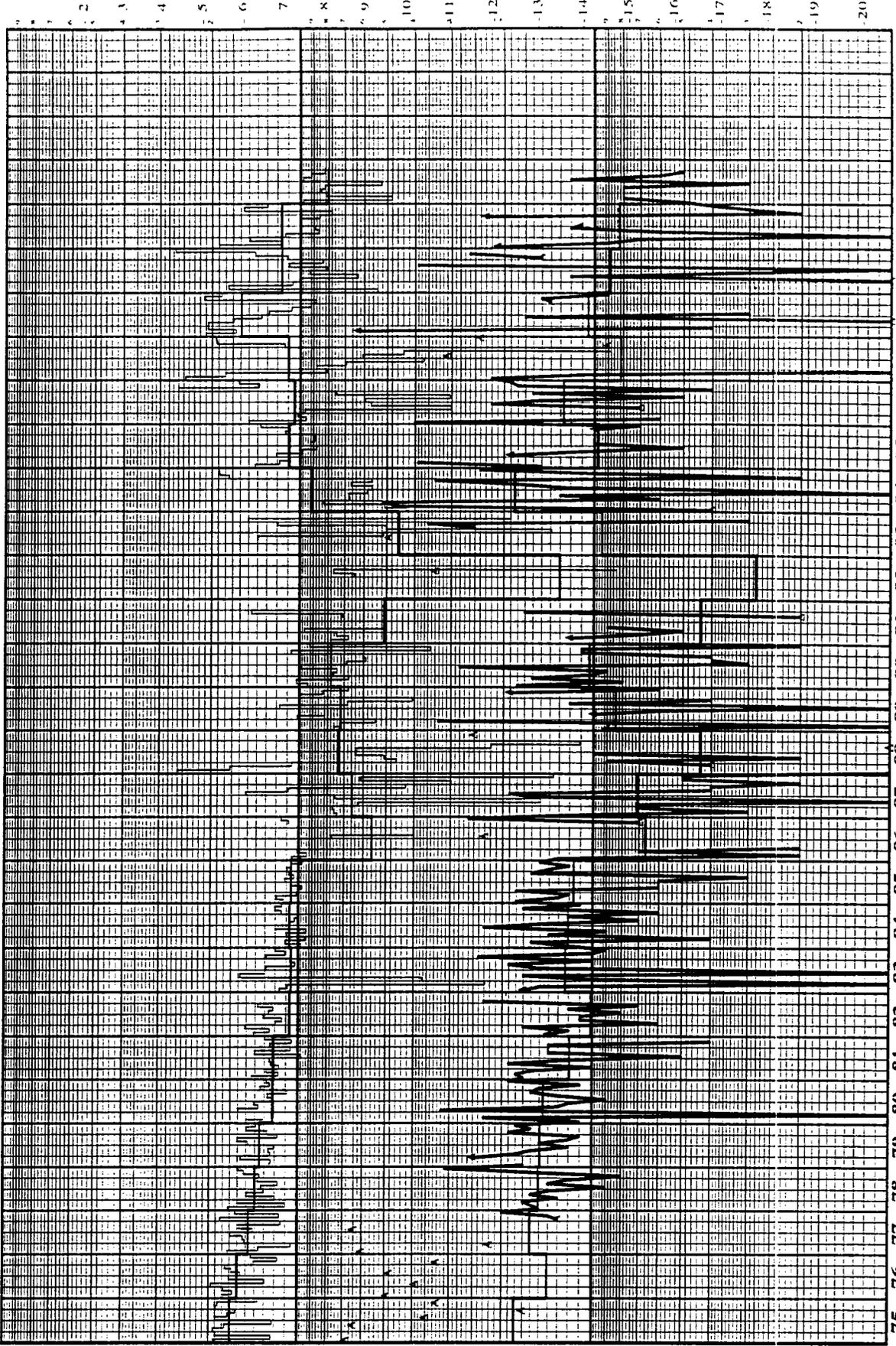
BASE  
506127

SAN JUAN  
70097

DLS JAW BGII

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

GAS (mc/mo) ▽  
OIL (bbls/mo) △

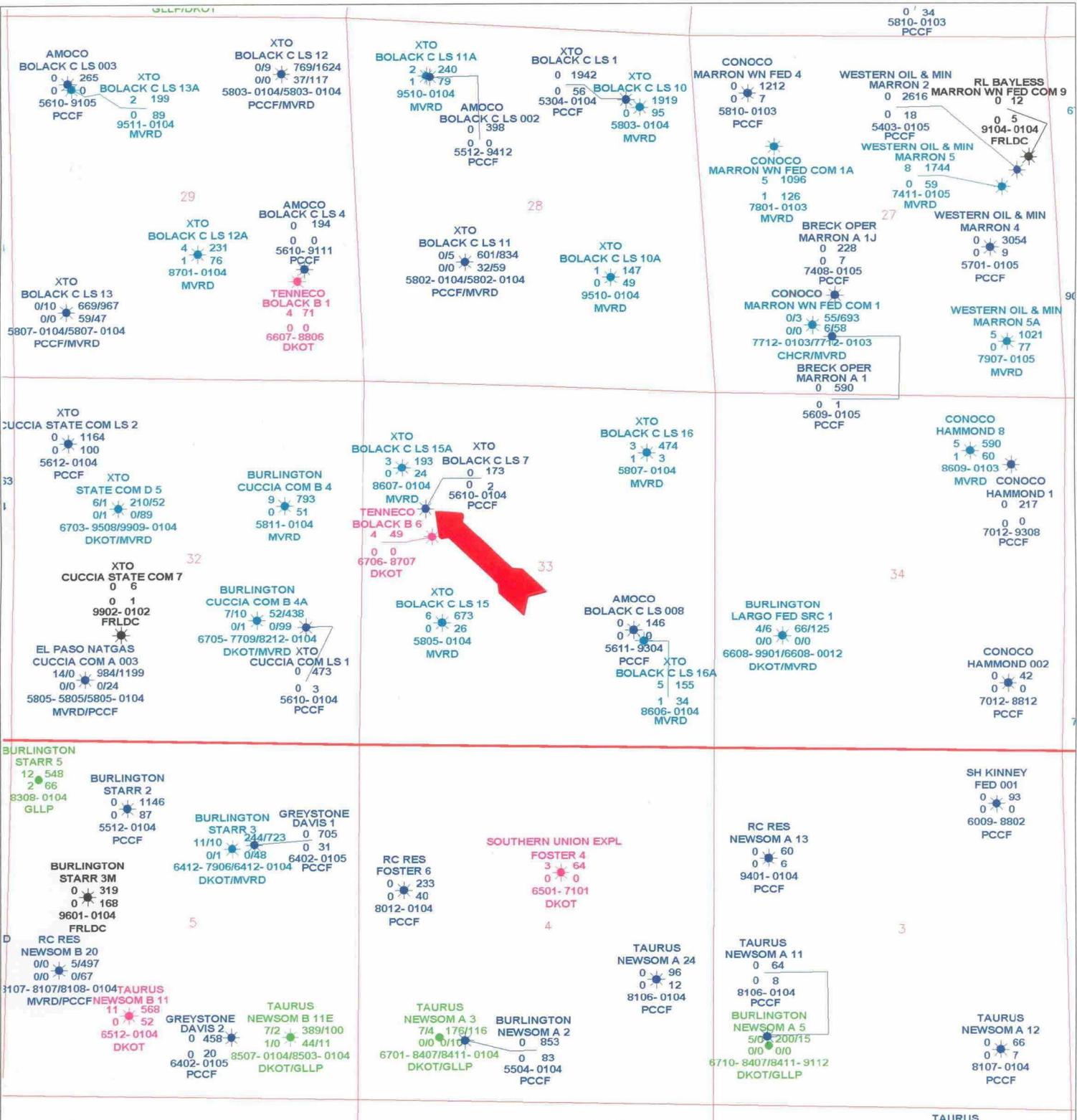


100.  
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75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04

TIME (years)

12/11/2001 16:36:14 21 Pn 506127



**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 Mofd  
Start-End Date  
Formation

XTO Energy Inc.		
SAN JUAN COUNTY, NEW MEXICO 9 SECTION - 33-27N-8W ALL FORMATIONS		
Johnny LeBon	B. Voigt	12/10/2001
Scale 1:24000	1" = 2000'	33-27-8



# 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 recompleate 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 recompleate 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 recompleated 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 recompleation 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 recompleation. 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.

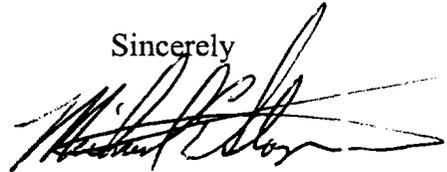
Since the submitted information is insufficient to review at this time, the application was ruled as incomplete on November 29, 2001. Please submit the above stated information by Thursday, December 6, 2001.

**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