

## State of New Mexico

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

1220 S. St. Francis Dr.  
Santa Fe, NM 87505

TF-03-003

FOR DIVISION

USE ONLY:

APPLICATION FOR WELLHEAD PRICE CEILING CATEGORY DETERMINATION

APPROPRIATE FILING FEE(S) ENCLOSED? YES ☒ NO ☐DATE COMPLETE APPLICATION FILED January 2, 2003DATE DETERMINATION MADE January 17, 2003WAS APPLICATION CONTESTED? YES ☐ NO ☒NAME(S) OF INTERVENORS(S), IF ANY: Na

## - FILING FEE(S) -

Effective October 1, 1986,  
a non-refundable filing fee of  
\$25.00 per category for each  
application is mandatory. (Rule  
2, Order No. R-5878-8-3)

5A. Indicate Type of Lease

STATE ☐ FEE ☒

5. State Oil &amp; Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

Sammons Gas Com C

2. Name of Operator

BP America Production Company

3. Address of Operator

P.O. Box 3092 Houston, TX 77253

4. Location of Well

UNIT LETTER P LOCATED 315 FEET FROM THE SOUTH LINEAND 865 FEET FROM THE EAST LINE OF SEC. 07 TWS. 29N RGE. 09W NMPM

9. Well No.

1E

10. Field and Pool, or Wildcat

Blanco Mesaverde

12. County

San Juan

11. Name and Address of Purchaser(s)

El Paso Field Services

API No. 30-045-24282

Check appropriate box for category sought and information submitted. Enter required information on lines 1 and 2, below.

1. Category(ies) sought (By NGPA Section No.)

2. Filing Fee(s) Amount Enclosed: \$ 25.00

3. All applications must contain:

- a. C-101 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK
- b. C-105 WELL COMPLETION OR RECOMPLETION REPORT
- c. DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111
- d. AFFIDAVITS OF MAILING OR DELIVERY

4. In addition to the above, all applications must contain the items required by the applicable rule of the Division's "Special Rules of Applications for Wellhead Price Ceiling Category Determinations" as follows:

- A. NEW NATURAL GAS UNDER SEC. 102 (c) (1) (B) (using 2.5 Mile or 1000 Feet Deeper Test)  
☐ All items required by Rule 14 (1) and/or Rule 14 (2)
- B. NEW NATURAL GAS UNDER SEC. 102 (c) (1) (C) (new onshore reservoir)  
☐ All items required by Rule 15
- C. NEW ONSHORE PRODUCTION WELL UNDER SEC. 103  
☐ All items required by Rule 16a OR Rule 16B
- D. SEC. 107 HIGH COST NATURAL GAS (TIGHT FORMATION, DEEP, COAL SEAM, AND PRODUCTION ENHANCEMENT) UNDER SEC. 103  
☒ All items required by Rule 17 (1), Rule 17 (2), Rule 17 (4), or Rule 17 (5)
- E. STRIPPER WELL NATURAL GAS UNDER SEC. 108  
☐ All items required by Rule 18

I, HEREBY CERTIFY THAT THE INFORMATION CONTAINED  
HEREIN IS TRUE AND COMPLETE TO THE BEST OF MY  
KNOWLEDGE AND BELIEF.

Mary Corley

NAME OF APPLICANT (TYPE OR PRINT)

SIGNATURE OF APPLICANT

Title Senior Regulatory AnalystDate December 18, 2002

FOR DIVISION USE ONLY

☒ Approved☐ DisapprovedThe information contained herein includes all of the information required  
to be filed by the applicant under Subpart 8 of Part 274 of the FERC  
regulation

EXAMINER


**A. THE NGPA WELL CATEGORY DETERMINATION IS BEING SOUGHT FOR A WELL PRODUCING:**

- A1 ☐ occluded natural gas from coal seams.  
A2 ☐ natural gas from Devonian shale.  
A3 ☒ natural gas from a designated tight formation.

**B. FOR ALL APPLICATIONS FOR DETERMINATION PROVIDE THE FOLLOWING:**

1. Well Name and No.\* **Sammons Gas Com C #1E**
2. Completed in (Name of Reservoir) \* **Mesaverde**
3. Field \* **Blanco Mesaverde**
4. County \* **San Juan**
5. State \* **New Mexico**
6. API Well No. (14 digits maximum. If not assigned, leave blank.) **30-045-24282**
9. Measured Depth of the Completed Interval (in feet)  
TOP **3733'** BASE **4660'**

**C. APPLICANT'S MAILING ADDRESS AND THE IDENTITY OF THE PERSON WHO IS RESPONSIBLE FOR APPLICATION:**

1. Applicant's Name \* **BP America Production Company**
2. Street \* **501 Westlake Park BLVD**
3. City \* **Houston**
4. State\* **Texas** 5. Zip Code **77079**
6. Name of Person Responsible \* **Mary Corley**
7. Title of Such Person \* **Senior Regulatory Analyst**
8. Signature  and Phone No. ( 281 ) 366 - 4491

\* SIGNIFIES THAT LINE ENTRY MAY CONTAIN UP TO 35 LETTERS AND/OR NUMBERS.

APPLICATION FOR WELL CATEGORY DETERMINATION  
PUSUANT TO SECTION 270 OF  
THE FEDERAL ENERGY REGULATORY COMMISSION 'S  
REGULATIONS IMPLEMENTING  
THE NATURAL GAS POLICY ACT OF 1978 (NGPA)

AFFIDAVIT  
TIGHT FORMATION GAS

STATE OF TEXAS  
COUNTY OF HARRIS

BEFORE ME, the undersigned authority, duly commissioned and qualified within and for the State and County aforesaid, personally came and appeared Mary Corley, who being by me first duly sworn, deposed and said:

That she is the Senior Regulatory Analyst for BP America Production Company, the applicant for the well hereinafter described, and that capacity, she is requesting the appropriate Authorized Officer to make a determine that this well is producing from a tight formation pursuant to the rules and regulations of the Bureau of Land Management and the Federal Energy Regulatory Commission (FERC), as such rules relate to NGPA.

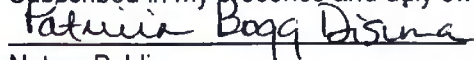
That production from the Sammons Gas Com C well # 1E, API No. 30-045-24282 is natural gas produced from a FERC designated tight formation, assigned State No. NM - 48 through:

- \_\_\_ a well the surface drilling of which began after December 31, 1979, but before January 1, 1993;
- X a recompletion commenced after January 1, 1993, the surface drilling of which began after December 31, 1979, but before January 1, 1993; or
- \_\_\_ a recompletion commenced after December 31, 1979 but before January 1, 1993, where such gas could not have been produced from any completion location in existence in the well bore before January 1, 1980; and

Said applicant has no knowledge of any information not described in the application that is inconsistent with her conclusion.

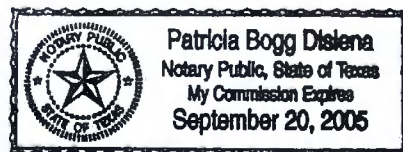
  
Mary Corley  
Senior Regulatory Analyst

Subscribed in my presence and duly sworn to before me, this 18 day of December, 2002.

  
Notary Public

My Commission Expires:

BLM Affidavit





San Juan Business Unit

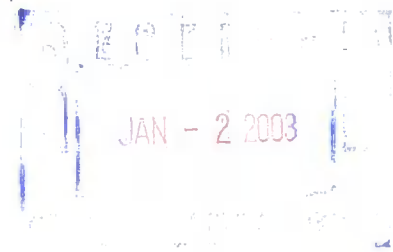
Mary Corley  
WL1-19.171  
281-366-4491 (direct)  
281-366-0700 (FAX)

P. O. Box 3092  
Houston, Texas 77253-3092  
501 Westlake Park Boulevard  
Houston, Texas 77079

September 23, 2002

State of New Mexico  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Application For Well Category Determination  
NGPA Section 107  
Sammons Gas Com C Well No. 1E – Mesaverde  
San Juan County, New Mexico**



Amoco Production Company is enclosing, for review and approval by the Oil Conservation Division, the original and one copy of an Application for Well Category Determination for the referenced well. Please hold the information in the filing confidential to the maximum extent allowed by law.

A copy of this letter and the FERC Form 121 has been mailed to each working interest owner entitled to receive Notice of this Application.

Please indicate receipt of this filing by date stamping the attached copy of this letter and returning the copy for our records.

Very truly yours,

A handwritten signature in blue ink, reading "Mary Corley".  
Mary Corley  
Sr. Regulatory Analyst

Enclosures

Cc: Working Interest Owners



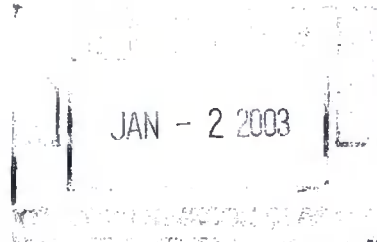
San Juan Performance Unit

Mary Corley  
WL1-19.171  
281-366-4491 (direct)  
281-366-0700 (FAX)  
[corleyml@bp.com](mailto:corleyml@bp.com)

P. O. Box 3092  
Houston, Texas 77253-3092  
501 Westlake Park Boulevard  
Houston, Texas 77079

December 30, 2002

State of New Mexico  
Oil Conservation Division  
2040 Pacheco St.  
Santa Fe, New Mexico 87505



**Application For Well Category Determination**  
**NGPA Section 107**  
**San Juan County, New Mexico**

Attached please find a check in the amount of \$50.00 payable to the State of New Mexico for NGPA Section 107 Well Category Determinations for the below listed BP America Production Company wells.

State Gas Com BF Well # 1E

Mesaverde Pool

NM - 48

~~Sammons Gas Com C Well # 1E~~

~~Mesaverde~~

~~NM - 48~~

30-045-24282

Also enclosed, for review and approval by the Oil Conservation Division, are the original and one copy of an Application for Well Category Determination for each of the referenced wells.

Very truly yours,  
  
Mary Corley  
Sr. Regulatory Analyst

Enclosures



BP America Production Company  
509 South Boston  
Tulsa, OK 74103

62-20  
311

CHECK NO. 0800526742

12/19/02

PAY TO THE  
ORDER OF

STATE OF NEW MEXICO  
2040 PACHEO ST  
SANTA FE, NM 87505 US

\*\*\*\*\*\$50.00

NOT VALID AFTER 6 MONTHS

*Fifty and 00/100 Dollars*

TRACE NUMBER: 2000406307

Authorized Signature

CITIBANK DELAWARE, A SUBSIDIARY OF CITICORP  
ONE PENN'S WAY, NEW CASTLE, DE 19720

⑈0800526742⑈ ⑆031100209⑆

39116481⑈

State of New Mexico  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & 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 AMOCO PRODUCTION COMPANY P.O. BOX 3092 ATTN: MARY CORLEY Rm. 2.537 HOUSTON, TX 77253		<sup>2</sup> OGRID Number 000778
		<sup>3</sup> Reason for Filing Code Recompletion
<sup>4</sup> API Number 30 - 045-24282	<sup>5</sup> Pool Name BLANCO MESAVERDE	<sup>6</sup> Pool Code 72319
<sup>7</sup> Property Code 001005	<sup>8</sup> Property Name Sammons Gas Com C	<sup>9</sup> Well Number 1E

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
P	7	29N	9W		315'	South	865'	East	SAN JUAN

<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 Fee	<sup>13</sup> Producing Method Code F	<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
151618	EL PASO FIELD SERVICES P.O. BOX 4490 FARMINGTON, NM 87499	2826193	G	
9018	GIANT REFINING CO P.O. BOX 12999 SCOTTSDALE, AZ 85267	2826194	O	



IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
2826194	

V. Well Completion Data

<sup>25</sup> Spud Date 05/01/1980	<sup>26</sup> Ready Date 08/06/2000	<sup>27</sup> TD 6663'	<sup>28</sup> PBTD 6620'	<sup>29</sup> Perforations 3733' - 4660'	<sup>30</sup> DHC, DC, MC DHC - 2663
<sup>31</sup> Hole Size 12 1/4"	<sup>32</sup> Casing & Tubing Size 9 5/8" 32.3#	<sup>33</sup> Depth Set 302' 283	<sup>34</sup> Sacks Cement 300 SXS SURFACE		
8 3/4"	7" 20#	2390'	470-SXS		
6 1/4" (PROD. LINER)	4 1/2" 10.5#	6663'	515 S XS		
TUBING	2 3/8"	6417'			

VI. Well Test Data

<sup>35</sup> Date New Oil 05/01/1980	<sup>36</sup> Gas Delivery Date 08/06/2000	<sup>37</sup> Test Date 08/02/2000	<sup>38</sup> Test Length 6 Hrs.	<sup>39</sup> Csg. Pressure 85#
<sup>41</sup> Choke Size 3/4"	<sup>42</sup> Oil TRACE	<sup>43</sup> Water TRACE	<sup>44</sup> Gas 360.5 MCF	<sup>45</sup> AOF
<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>Mary Corley</i> Printed name: MARY CORLEY Title: SENIOR REGULATORY ANALYST Date: 08/07/2000 Phone: 281-366-4491			OIL CONSERVATION DIVISION Approved by: <i>353</i> Title: SUPERVISOR DISTRICT #3 Approval Date: AUG 11 2000	
<sup>48</sup> If this is a change of operator fill in the OGRID number and name of the previous operator				
Previous Operator Signature		Printed Name		Title Date

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-105  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

WELL API NO.

30-045-24282

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Sammons Gas Com C

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

Recompletion B.D.H.C.

2. Name of Operator

Amoco Production Company

Attention

Mary Corley

8. Well No.

1E

3. Address of Operator

P.O. Box 3092 Houston, TX 77450

(281) 366-4491

9. Pool name or Wildcat

Blanco Mesaverde

4. Well Location

Unit Letter P : 315 Feet From The South Line and 865 Feet From The East Line

Section 7 Township 29N Range 9W NMPM San Juan County

10. Date Spudded

05-01-80

11. Date T.D. Reached

05-09-80

12. Date Compl. (Ready for Prod.)

08-06-88 2000

13. Elevations (DF & RKB, RT, GR, etc.)

5549'

14. Elev. Casinghead

15. Total Depth

6663'

16. Plug Back T.D.

6620'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

YES

Cable Tools

NO

19. Producing Interval(s), of this completion - Top, Bottom, Name

3733' - 4660'

Mesaverde

20. Was Directional Survey Made

21. Type Electric and Other Logs Run

CBL, GR, CCL TOT

22. Was Well Cored

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32.3#	300' 283	12 1/4"	300 SXS CLS B to Surface	
7"	20#	2390'	8 3/4"	470 SXS CLS B to Surface	
4 1/2"	10.5	6663'	6 1/4"	515 SXS	

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25.

TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	6417'	

26. Perforation record (interval, size, and number)

1. 4310' - 4660' 2 JSPF .360 inch diameter total 44 shots  
2. 3733' - 4085' 2 JSPF .340 inch diameter total 38 shots

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4310' 4660'	100.000# 16/30 Arizona Sand & N2 Foam
3733' 4085'	101.000# 16/30 Arizona Sand & N2 Foam

28.

PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing	Well Status (Prod. or Shut-in) SI
Date of Test	Hours Tested 6	Choke Size Choke Size
Flow Tubing Press.	Casing Pressure 85#	Calculated 24-Hour Rate
	Oil - Bbl. Trace	Gas - MCF 360.5
	Water - Bbl. Trace	Gas - Oil Ratio

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

To Be Sold

Test Witnessed By

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Mary Corley

Printed Name

Mary Corley

Title

Sr. Regulatory Analyst

Date

08-07-2000

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or reopened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in triplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

Anhy	T. Canyon
Salt	T. Strawn
Salt	T. Atoka
Yates	T. Miss
7 Rivers	T. Devonian
Queen	T. Silurian
Grayburg	T. Montoya
San Andres	T. Simpson
Glorieta	T. McKee
Paddock	T. Ellenburger
Blaine	T. Gr. Wash
Tubb	T. Delaware Sand
Drinkard	T. Bone Springs
Abo	T.
Wolfcamp	T.
Penn	T.
Cisco (Bough C)	T.

### Northwestern New Mexico

T. Ojo Alamo	T. Penn. "B"
T. Kirtland-Fruitland	T. Penn. "C"
T. Pictured Cliffs	T. Penn. "D"
T. Cliff House 3730	T. Leadville
T. Menefee 3808	T. Madison
T. Point Lookout 4308	T. Elbert
T. Mancos 4410	T. McCracken
T. Gallup 5525	T. Ignacio Otzte
Base Greenhorn 6337	T. Granite
T. Dakota 6390	T.
T. Morrison	T.
T. Todilto	T.
T. Entrada	T.
T. Wingate	T.
T. Chinle	T.
T. Permian	T.
T. Penn "A"	T.

### OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....  
No. 2, from.....to.....

No. 3, from.....to.....  
No. 4, from.....to.....

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
No. 2, from.....to.....feet.....  
No. 3, from.....to.....feet.....

### LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
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**Sammons Gas Com C #1E**  
**RECOMPLETION & DOWNHOLE COMMINGLING SUBSEQUENT REPORT**  
**08/07/2000**

07/24/2000 MIRUSU @ 13:30 hrs. NDWH & NU BOPs TO 500#. TOH W/TBG. SDFN

07/25/2000 TIH w/CIBP & set @ 4850'. Load hole w/2% KCL WTR. RU & run CBL, GR, & CCL logs over Mesaverde interval. Good CMT Bond. RU & pressure test CSG to 2500# for 15 min. Test OK. RU & Perf Point Lookout & Lower Menefee as follows w/2 JSPPF, .360 in diameter, total shots fired 44:

4310', 4330', 4338', 4345', 4355', 4370', 4375', 4385', 4392',  
4405', 4438', 4450', 4470', 4500', 4528', 4538', 4550', 4575',  
4600', 4615', 4635', 4660'

07/26 /2000 RU & Frac Point Lookout & Lower Menefee w/100,000# 16/30 Arizona Sand & 70 % Q Foam N2. RU & TIH w/CIBP & set @ 4200'. RU & Perf the Cliffhouse & Upper Menefee Formations as follows w/2 JSPPF, .340 inch diameter, total shots fired 38:

3733', 3740', 3750', 3755', 3760', 3765', 3780', 3788', 3795',  
3805', 3850', 3880', 3890', 3950', 4000', 4025', 4070', 4080',  
4085'

RU & Frac the Upper Menefee & Cliffhouse w/101,000# 16/30 Arizona Sand & 70 % Q Foam N2. RU & flow back to pit thru  $\frac{1}{4}$ " choke.

07/27/2000 Continued to flow back well to C/O. Upsized choke to  $\frac{3}{4}$ " & flowed back to pit. Changed choke to  $\frac{1}{2}$ " & continued flowback to C/O.

07/28/2000 Continued to flow back well. RU & TIH & tag sand @ 3742'. C/O from 3742' to 4200'. TOH. TIH w/mill & install  $\frac{1}{2}$ " choke for watchman. Secure well & SDFN.

07/29/2000 Flow well to pit thru  $\frac{1}{2}$ " choke.

07/30/2000 Flowback well to pit on  $\frac{1}{2}$ " choke.

07/31/2000 TIH w/ TBG & mill & tag fill @ 4150'. C/O to 4250' & circ clean. Drill out CIBP set @ 4200'. Flowback well on  $\frac{1}{2}$ " choke to tank.

08/01/2000 Flow test well 6 hrs to tank on  $\frac{1}{2}$ " choke. 1442 MCFD gas (360.5 MCF 6 hr. duration), trace oil, trace water, SICP 530#, flowing 85#.

08/02/2000 Flow test well 6 hrs. to stabilize. Making approximately 1588 MCFD. TIH & tag fill @ 6580'. C/O to PBTD @ 6620'.

08/03/2000 Flowback well on  $\frac{1}{2}$ " choke to test tank. TIH & tag fill @ 6608'. C/O to 6620'. PU above perms & flow well overnight.

08/04/2000 TIH with 2-3/8" production tubing and land at 6417'. ND BOP's. NU WH. Pull TBG plug. Shut well in. RDSUMO. Rig release @ 16:00 hrs.

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
Revised March 17, 1999

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

— AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address <b>Amoco Production Company</b> <b>P. O. Box 3092</b> <b>Houston, Texas 77253</b>		<sup>2</sup> OGRID Number <b>000778</b> <sup>3</sup> API Number <b>9 - 045-24282</b>
<sup>4</sup> Property Code <b>001005</b>	<sup>5</sup> Property Name <b>Sammons Gas Com C</b>	<sup>6</sup> Well No. <b>1E</b>

<sup>7</sup> Surface Location

UL or lot no. <b>P</b>	Section <b>7</b>	Township <b>29N</b>	Range <b>9W</b>	Lot Idn	Feet from the <b>315'</b>	North/South line <b>South</b>	Feet from the <b>865'</b>	East/West line <b>East</b>	County <b>San Juan</b>
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<sup>8</sup> Proposed 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>9</sup> Proposed Pool 1

**Blanco Mesaverde**

<sup>10</sup> Proposed Pool 2

<sup>11</sup> Work Type Code <b>A - Add a Zone</b>	<sup>12</sup> Well Type Code <b>Gas</b>	<sup>13</sup> Cable/Rotary <b>Rotary</b>	<sup>14</sup> Lease Type Code <b>Private</b>	<sup>15</sup> Ground Level Elevation <b>5549'</b>
<sup>16</sup> Multiple <b>No</b>	<sup>17</sup> Proposed Depth <b>6663'</b>	<sup>18</sup> Formation <b>Mesaverde</b>	<sup>19</sup> Contractor <b>Aztec</b>	<sup>20</sup> Spud Date <b>2/28/2000</b>

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>12 1/4"</b>	<b>9 5/8"</b>	<b>32.3#</b>	<b>302'</b>	<b>300 SXS</b>	<b>Surface</b>
<b>8 3/4"</b>	<b>7"</b>	<b>20#</b>	<b>2390'</b>	<b>470 SXS</b>	<b>Surface</b>
<b>6 1/4"</b>	<b>4 1/2"</b>	<b>10.5#</b>	<b>6663'</b>	<b>515 SXS</b>	<b>Surface</b>

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

**Amoco Production Company request permission to complete the subject well into the Mesaverde formation and commingle production downhole with the existing Dakota completion as per the attached procedure.**

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: **Mary Corley**

Title: **Sr. Business Analyst**

Date: **02/08/2000**

Phone: **281-366-4491**

OIL CONSERVATION DIVISION

Approved by:

Title: **SUPERVISOR DISTRICT # 3**

Approval Date: **FEB 9 2000** Expiration Date:

Conditions of Approval:

Attached ☐

## Sammons GC C #1E Recompletion Procedure

---

### Procedure:

1. Check anchors. MIRU.
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well. If necessary, kill with 2% KCL water.
4. Nipple down WH. NU BOPs. Pressure test to 500 psi.
5. Tag and tally OH with 2-3/8" production tubing set at 6566'. Inspect tbg while POOH.
6. TIH with bit and scraper for 4-1/2" casing (optional).
7. TIH w/CIBP on tubing. Set CIBP @ 4900' (200' below lower PL perf). Load hole with 2% KCL. TOH.
8. RU WL. Run CBL over MV interval (4800' - 3600') to ensure zonal isolation across the MV.
9. Pressure test casing to 1500 psi.
10. RIH with perforating guns. Perforate Point Lookout formation (correlate to GR log) 2 spf, 120° phasing.  
Point Lookout Perforations: 4330', 4338', 4345', 4355', 4370', 4375', 4385', 4392', 4405', 4438', 4450', 4470', 4500', 4528', 4538', 4550', 4575', 4615', 4635', 4660'
11. RU frac equipment. Use 2% KCL/N2 foam in fracture stimulation.
12. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
13. Flowback frac immediately.
14. RU WL and set CIBP between Point Lookout and Cliffhouse at 4150'.
15. RIH with perforating guns. Perforate Cliffhouse formation (correlate to GR log) 2 spf, 120° phasing.  
CH/Upper MF Perforations: 3733', 3740', 3750', 3755', 3760', 3765', 3780', 3788', 3795', 3850', 3880', 3890', 3950', 4000', 4025', 4070', 4080', 4085'
16. RU frac equipment. Use 2% KCL/N2 foam in fracture stimulation.
17. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
18. Flowback frac immediately.
19. TIH with tubing and bit. Cleanout fill and drill bridge plugs. Cleanout to PBTD at 6620'
20. TIH with 2-3/8" production tubing and land at 6425'.
21. ND BOP's. NU WH. Return well to production and downhole commingle Mesaverde and Dakota production.

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

311 South First., Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**DISTRICT IV**

2040 South Pacheco, Santa Fe, NM 87505

## State of New Mexico

Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**2040 South Pacheco  
Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-045-24282	Pool Code 71599 & 72319	Pool Name Basin Dakota & Blanco Mesaverde
Property Code 001005	Property Name Sammons Gas Com C	Well Number 1E
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 5549' GR

**Surface Location**

UL or lot no. UNIT P	Section 7	Township 29N	Range 9W	Lot. Idn	Feet from the 315'	North/South Line SOUTH	Feet from the 865'	East/West Line WEST	County San Juan
-------------------------	--------------	-----------------	-------------	----------	-----------------------	---------------------------	-----------------------	------------------------	--------------------

**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
Dedicated Acreage: 331.68		Joint or Infill		Consolidation Code		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**

	<b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <i>Mary Corley</i> Printed Name <i>MARY CORLEY</i> Position Sr. Business Analyst Date 02/08/2000
	<b>SURVEY CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date of Survey 01/01/2000
	Signature & Seal of Professional Surveyor Fred B. Kerr, Jr.
	Certificate No. 3950

# Sammons GC C #1E

Sec 7, T29N, R9W

GL: 5549'

## History:

Completed in 6/80  
- 6-1/4" OH drilled with air  
without problems

## Original Dakota Perfs

6410' - 6412', 2 spf  
6463' - 6467', 2 spf  
6472' - 6491', 2 spf  
6570' - 6577', 2 spf

PBTD: 6620'

est. TOC @ surface (circ)

9-5/8" 32#, H40 ST&C @ 302'  
300 sxs cmt (circ)

est. TOC @ surface (circ)

7" 20#, J55, ST&C @ 2390'  
470 sxs cmt (circ)

est. TOC @ surface (circ)

Tubing: 2-3/8" 4.7#, J55 EUE @ 6566'

4-1/2", 10.5#, K55, ST&C @ 6663'  
515 sxs cmt

## 4-1/2" Cement Job Notes:

- cement circulated to surface
- no cementing info in wellfiles
- Fluid level at 6200' (SL 1/25/00)
- No fill

updated: 1/26/00 jad

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-10J  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Santa Fe, NM 87510

DISTRICT II  
P.O. Drawer DC, Aztec, NM 87410

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

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

WELL API NO.

30-045-24282

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Sammons Gas Com /C/

8. Well No.

#1E

9. Field name or Wildcat

Basin Dakota

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

2. Name of Operator

Amoco Production Company Attn: D. M. Tallant

3. Address of Operator

P.O. Box 800, Denver, Colorado 80201

4. Well Location

Unit Letter P : 315 Feet From The South Line and 865 Feet From The East Line

Section

7

Township

29n

Range

09w

North

San Juan

County

10. Elevation (Show whether OF, RAB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPS: ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Bradenhead Repair ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

See attachment for procedures.

RECEIVED

MAR 10 1993

OIL CON. DIV.  
DIST.

Please contact DeAnne Tallant if you have any questions (303) 830-5427.

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

SIGNATURE

DeAnne Tallant

TITLE

Staff Assistant

DATE

3/8/93

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY

Charles Shuler

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE

MAR 10 1993

COPIES OF APPROVAL, IF ANY:

SAMMONS GAS COM /C/ #1E

MIRUSU. DIG OUT BRADENHEAD. PRIOR PRESSURES FAULTY. BRADENHEAD 100 PSI. INTERMED. 100 PSI. BLED OFF BRADENHEAD OUT OF 1" VALVE. NO CHG IN INTERMED PRESS. BLED DWN INTERMED. NO CHG ON 4 1/2 CSG. BRADENHEAD 0 PSI. TRY TO PMP DWN BRADENHEAD. PMP 1/10 BBLs & PR UP. TP 500 PSI. OK. TRY TO REMOVE TST PORT ON SPOOL. NO GO. TOO MUCH PRESS. PMP 20 BBLs DWN INTERMED. STILL UNABLE TO REMOVE. LOOSEN TST PORT & LET BLEED OFF SLOWLY. BLEED OFF 4 1/2 CSG. PLASTIC PACK 4 1/2 SEALS. PR TST TO 1000 PSI. OK. RDMOSU.

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico

OIL CONSERVATION DIVISION

Form C-10J  
Revised 1-1-89

DISTRICT I  
P.O. Box 1780, Hobbs, NM 88240

RECEIVED

OIL CONSERVATION DIVISION

DISTRICT II  
P.O. Drawer DC, Azusa, NM 88210

'93 FEB 16 AM 9 29

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

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

WELL AM NO. 30-045-24282

3. Indicate Type of Lease  
STATE ☐ FEE ☒

4. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Sammons Gas Com C

8. Well No. #1E

9. Pool name or Wildcat  
Basin Dakota

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS)

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

2. Name of Operator  
Amoco Production Company Attn: D. M. Tallant

3. Address of Operator  
P.O. Box 800, Denver, Colorado 80201

4. Well Location  
Unit Letter P : 315 Feet From The South Line and 865 Feet From The East Line

Section 7 Township 29N Range 09W NM 174 San Juan County

10. Elevation (Show whether OF, RRB, RT, GR, etc.)  
5549' GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

REMEDIAL WORK ☐ ALTERING CASING ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

COMMENCE DRILLING OPS. ☐ PLUG AND ABANDONMENT ☐

PULL ON ALTEN CASING ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Bradenhead Repair ☒

OTHER: ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

See attachment for procedures.

RECEIVED

FEB 10 1993

OIL CON. DIV.  
DIST. 3

Please contact DeAnne Tallant if you have any questions (303) 830-5427.

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

SIGNATURE DeAnne Tallant TITLE Staff Asst. DATE 2-9-93

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY

DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE

FEB 10 1993

CONDITIONS OF APPROVAL, IF ANY:

Workover Procedure  
Sammons Gas Com C #1E  
Sec.07-T29N-R09W  
San Juan County, NM

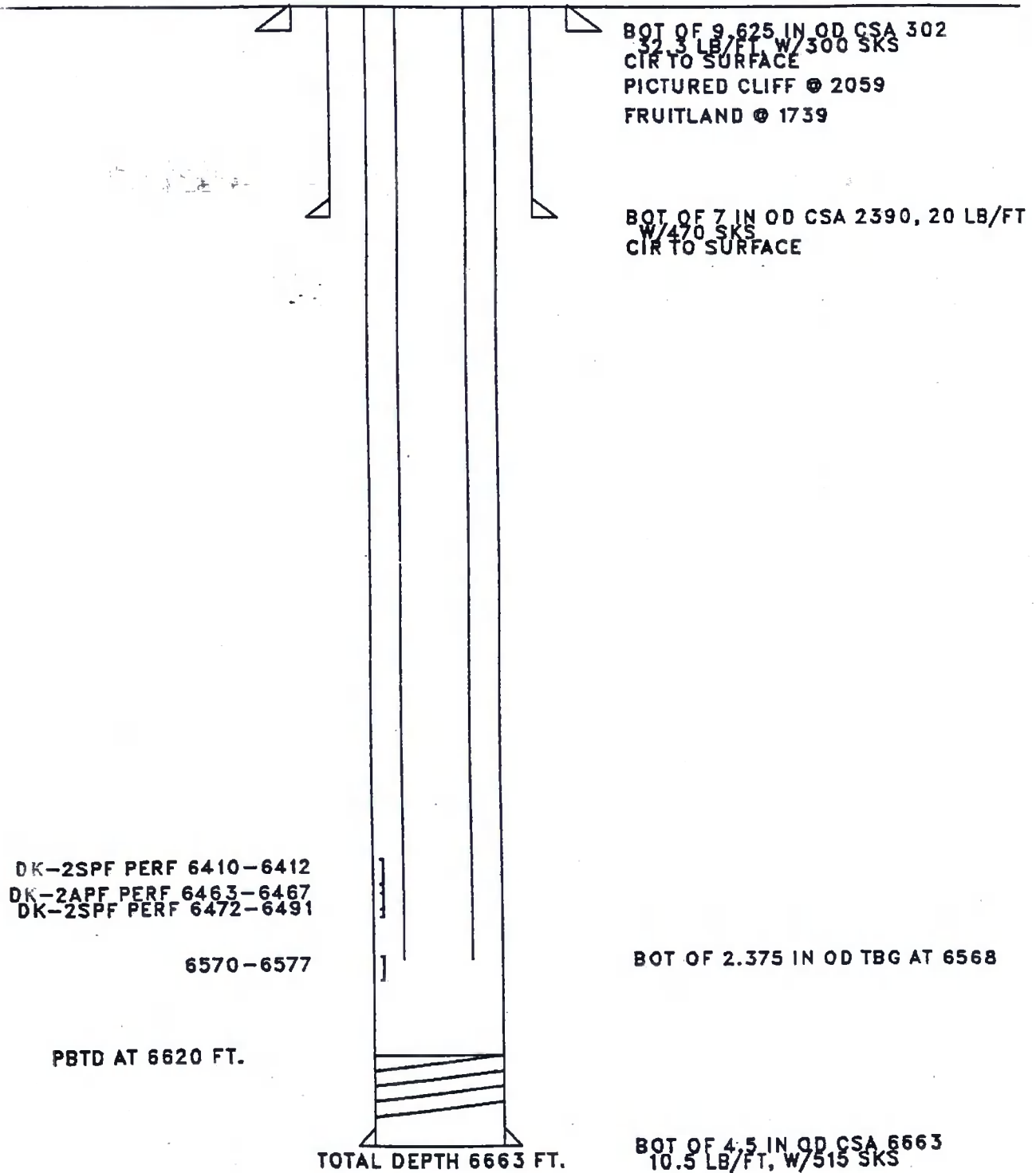
1. Contact Federal or State agency prior to starting repair work.
2. Catch gas and/or water sample off of bradenhead and casing, and have analyzed.
3. Install and/or test anchors.
4. MIRUSU. Check and record tubing, casing and bradenhead pressures.
5. Blow well down, kill well if necessary with 2% KCL.
6. Nipple down well head, nipple up and pressure test BOP's.
7. Trip in the hole and tag PBTD, check for fill, trip and tally out of hole with tubing checking condition of tubing.
8. Trip in the hole with bit and scraper to the top of the perforations. A seating nipple and standing valve may be run in order to pressure test the tubing.
9. Trip in the hole with RBP and PKR. Set RBP 50-100 ft. above perforations. Trip out of hole one joint and set PKR and pressure test RBP to 1500 psi. Release PKR and pressure test csg to 1000 psi. If no leak is found, spot sand on RBP, trip out of hole and skip step 10.
10. Trip out of hole isolating leak in casing. NOTE: Once leak is located contact Ty Smith in Denver at (303) 830-5164. Spot sand on RBP and trip out of hole with PKR.
11. Determine from well file and history if a CBL needs to be run from the top of RBP to bottom of intermediate casing shoe. If this is needed, run CBL under 1000 psi and report results to Denver.
12. Bleed off any intermediate casing pressure and check for flow, fill annulus with 2% KCL water. Nipple down BOP's and tubing head, spear casing and remove slips, nipple up BOP's.
13. Run freepoint and back off casing as deep as possible but not below the intermediate casing shoe. Trip out of hole laying down and checking condition of casing.

14. Trip in the hole with bit and scraper to top of casing back off, circulate hole clean and trip out with scraper.
15. Trip in the hole with RBP and PKR and set RBP above casing backoff, trip out of hole one joint and set PKR and pressure test RBP.
16. Release packer and trip out of hole isolating leak in casing. NOTE: IF this can not be accomplished contact Ty Smith in Denver (303) 830-5164.
17. Release PKR and spot sand on RBP and trip out of hole.
18. Run, if necessary a CBL & CCL to determine cement top on the intermediate casing.
19. Perforate casing, if necessary with 4 JSPF and circulate dye to determine cement volume. Depending on the depth of the hole and circulating pressure, a PKR or a cement retainer may be needed.
20. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to circulate to surface. Shut bradenhead valve and attempt to obtain a squeeze pressure and WOC.
21. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leaks if casing fails pressure test.
22. Trip in the hole with retrieving head for RBP, circulate sand off of RBP and trip out of hole with plug.
23. Trip in the hole with casing and tag casing backoff. Circulate the top of the back off clean with 2% KCL water. Circulate PKR fluid to fill annulus if no additional squeeze work is required. This will be determined from the previous CBL run. Tie back onto production casing and pressure test casing.
24. Nipple down BOP's and tubing head, set slips and make cut off. Install tubing head and BOP's and pressure test.
25. Trip in the hole with retrieving head for RBP, circulate sand off of RBP with 2% KCL and trip out of hole with plug.
26. Trip in hole with a sawtooth collar and/or bailer and clean out to PBTD and trip out of hole.
27. Trip in the hole with the production string (1/2 mule shoe on bottom and a seating nipple one joint off bottom), land tubing to original depth. Nipple down BOP's, nipple up well head.

28. Swab well in and put well on production.

29. Rig down move off service unit.

SAMMONS GAS COM C #1E  
LOCATION, P07 29N 09W  
SINGLE DK  
ORIGINAL COMPLETION 06/80  
LAST FILE UPDATE 12/92 BY CSW



ENAME:  
32482



STATE OF NEW MEXICO  
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

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

93566

BRADENHEAD TEST REPORT  
(Submit 2 copies to above address)

Date of Test 9-13-92 Operator Amoco Production, 200 Amoco Court, Farmington, NM  
Case Name Sammons G.C. Well No. C1E Location: Unit P Section 7 Township 29 N Range 9 W  
Pressure (Shut-in or Flowing) Tubing 260 Intermediate N/A Casing 266 Bradenhead 565

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

TIME	PRESSURES:		BRADENHEAD FLOWED	INTERMEDIATE FLOWED
	INTERMEDIATE	CASING		
5 min.			Steady Flow <u>for 15 min</u>	
10 min.			Surges	
15 min.			Down to Nothing	
20 min.			Nothing	
25 min.			Gas <input checked="" type="checkbox"/>	
30 min.			Gas & Water	
			Water	

If Bradenhead flowed water, check description below:

CLEAR \_\_\_\_\_ FRESH \_\_\_\_\_ SALTY \_\_\_\_\_ SULFUR \_\_\_\_\_ BLACK \_\_\_\_\_

REMARKS:

Braden Head Blew hard for 15 min.

By Lloyd Armenta Run # 36 Witness \_\_\_\_\_

Submit 5 Copies  
Appropriate District Office  
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

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

RECEIVED

'90 AUG 22 AM 11 23

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator AMOCO PRODUCTION COMPANY		Well API No. 300452428200
Address P.O. BOX 800, DENVER, COLORADO 80201		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input checked="" type="checkbox"/>
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name SAMMONS GAS COM C	Well No. 1E	Pool Name, Including Formation BASIN DAKOTA (PRODUCED GAS)	Kind of Lease State, Federal or Fee	Lease No.
Location				
Unit Letter P	315	Feet From The FSL	Line and 865	Feet From The FEL
Section 07	Township 29N	Range 9W	SAN JUAN County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
MERIDIAN OIL INC.	3535 EAST 30TH STREET, FARMINGTON, CO 87401
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	P.O. BOX 1492, EL PASO, TX 79978
If well produces oil or liquids, give location of tanks.	Unit   Sec.   Twp.   Rge.   Is gas actually connected?   When ?

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of 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
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Grav. 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  
June 25, 1990  
Date  
303-830-4280  
Telephone No.

OIL CONSERVATION DIVISION

Date Approved JUL 5 1990

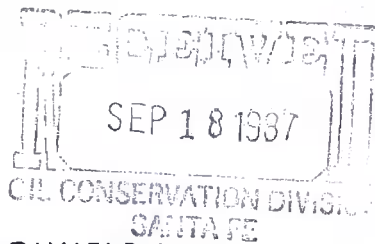
By  
SUPERVISOR DISTRICT #3

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

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.A.	
LAND OFFICE	
TRANSPORTER	<input type="checkbox"/> OIL <input type="checkbox"/> GAS
OPERATOR	
PROMOTION OFFICE	



Form C-104  
Revised 10-01-78  
Format 08-01-83  
Page 1

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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

If change of ownership give name and address of previous owner.

II. DESCRIPTION OF WELL AND LEASE

Lease Name Sammons Gas Com C	Well No. 1E	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee Fee	Lease No.
Location Unit Letter <u>P</u> : <u>315</u> Feet From The <u>South</u> Line and <u>865</u> Feet From The <u>East</u> Line of Section <u>7</u> Township <u>29N</u> Range <u>9W</u> , NMPM, <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Permian Corp. Permian (Eff. 9/1/87)	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1702 Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 990 Farmington, NM 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<u>P</u> <u>7</u> <u>29N</u> <u>9W</u> <u>No</u>

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.

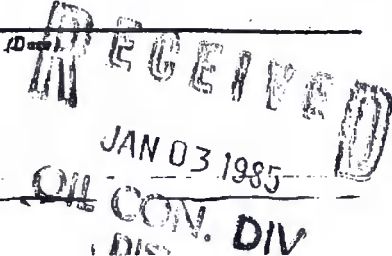
BDS Shaw  
(Signature)  
Admin. Supervisor

(Title)  
1-2-85

OIL CONSERVATION DIVISION

APPROVED JAN 22 1985  
BY Charles E. Shaw  
TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filled for each pool in multiply completed wells.



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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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  
Amoco Production Company

Address  
501 Airport Drive Farmington, NM 87401

Reason(s) for filing (Check proper box)

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

Other (Please explain)

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Sammons Gas Com C	Well No. 1E	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee Fee	Lease No.
Location				
Unit Letter <u>P</u> : <u>315</u> Feet From The <u>South</u> Line and <u>865</u> Feet From The <u>East</u>				
Line of Section <u>7</u> Township <u>29N</u> Range <u>9W</u> , NMPM. <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Permian Corp.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1702 Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 990 Farmington, NM 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
<u>P</u>	<u>7</u> <u>29N</u> <u>9W</u> <u>No</u>

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.

BDS Shaw

(Signature)

Admin. Supervisor

(Title)

1-2-85

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OIL CONSERVATION DIVISION

APPROVED JAN 22 1985  
BY Charles Gholson  
TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

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

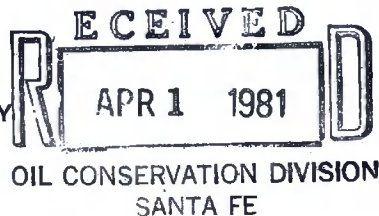
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

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

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

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

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



NOTICE OF GAS CONNECTION

DATE March 24, 1981

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

GAS FROM Amoco Production Company  
OperatorSammons Gas Com C #1-E  
Well Name93-566-01

Meter Code

73948-51

Site Code

P

Well Unit

7-29-9

S-T-R

Basin Dakota

Pool

El Paso Natural Gas Company  
Name of PurchaserWAS MADE ON 3-12-81,  
DateFIRST DELIVERY 3-13-81  
DateAOF 300CHOKE 299El Paso Natural Gas Company  
PurchaserOriginal Signed by  
Charles A. Thomas

Representative

Chief Dispatcher--Assistant  
Titlecc: Operator  
Oil Conservation Commission - 2  
Proration - El Paso

File

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

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

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

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OIL CONSERVATION DIVISION  
SANTA FE

If change of ownership give name  
and address of previous owner

I. DESCRIPTION OF WELL AND LEASE

Lease Name Sammons Gas Com C	Well No. 1E	Pool Name, Including Formation Basin Dakota	Kind of Lease State, Federal or Fee Fee	Lease No.
Location Unit Letter P : 315 Feet From The South Line and 865 Feet From The East Line of Section 7 Township 29N Range 9W , NMPM, San Juan County				

I. 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)
Plateau Incorporated	4775 Indian School RD, NE, Albuquerque, NM 87110
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P.O. Box 990, Farmington, NM 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
P 7 29N 9W	No

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

II. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 5-1-80	Date Compl. Ready to Prod. 6-30-80	Total Depth 6663'	P.B.T.D.					
Elevations (DF, RKB, RT, CR, etc.) 5549' GL	Name of Producing Formation Dakota	Top Oil/Gas Pay 6410'	Tubing Depth 6568'					
Perforations 6410-6412', 6463-6467', 6472-6491', 6570-6577'			Depth Casing Shoe 6662'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12-1/4"	9-5/8", 32.3#	302'	300					
8-3/4"	7", 20.0#	2390'	470					
6-1/4"	4-1/2", 10.5#	6663'	515					
	2-3/8"	6568'						

III. TEST DATA AND REQUEST FOR ALLOWABLE  
OIL WELL

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

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

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OIL CON. COM.  
DIST. 3

GAS WELL

Actual Prod. Test-MCF/D 299	Length of Test 3 hours	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) Back Pressure	Tubing Pressure (shut-in) 1285 PSIG	Casing Pressure (shut-in) 1255 PSIG	Choke Size .75

I. CERTIFICATE OF COMPLIANCE

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

E. E. Svoboda  
(Signature)  
District Administrative Supervisor  
(Title)  
8-27-80  
(Date)

OIL CONSERVATION COMMISSION  
9-16-80  
APPROVED SEP 16 1980  
BY Frank J. [Signature]  
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 Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply

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Form C-105  
Revised 11-1-78

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

1. TYPE OF WELL	
OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>
DRY <input type="checkbox"/> OTHER _____	
2. TYPE OF COMPLETION	
NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>
DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
DIFF. RESVR. <input type="checkbox"/>	OTHER _____

7. Unit Agreement Name
8. Farm or Lease Name
Sammons Gas Com C
9. Well No.
1E
10. Field and Pool, or Wildcat
Basin Dakota

Name of Operator
Amoco Production Company
Address of Operator
501 Airport Drive, Farmington, NM 87401
Location of Well

IT LETTER P LOCATED 315 FEET FROM THE South LINE AND 865 FEET FROM

E East LINE OF SEC. 7 TWP. 29N RGE. 9W NMPM

12. County
San Juan

1. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
5-1-80	5-9-80	6-30-80	5549' GL	
2. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools
6663'	6620'		→	O-TD
3. Producing Interval(s), of this completion - Top, Bottom, Name				25. Was Directional Survey Made

6410-6412', 6463-6467', 6472-6491', 6570-6577'; Dakota	25. Was Directional Survey Made
4. Type Electric and Other Logs Run	No
Induction-GR-SP, Compensated Density-Sidewall Neutron-GR	27. Was Well Cored
	No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.3#	302'	12-1/4"	300 SX	-----
7"	20.0#	2390'	8-3/4"	470 SX	-----
4-1/2"	10.5#	6663'	6-1/4"	515 SX	-----

LINER RECORD					30.
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	DEPTH SET
					2-3/8"
					6582' 3"

5. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
6410-6412', 6463-6467', 6472-6491', and 6570-6577', with 3 SPACERS TO BE DRILLED 60" .38" holes.	DEPT. INTERVAL
	6410-6577'
	AMOUNT AND KIND MATERIAL USED
	105,900 gal of frac fluid x 269,500 # of 20-40 sand

OIL CONSERVATION DIVISION SANTA FE							
6. Date First Production				7. Production Method (Flowing or lift, pumping - Size and type pump)		Well Status (Prod. or Shut-in)	
				Flowing			
8. Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
7-29-80	3 hours	.75	→		37		
9. Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
14 PSIG	87 PSIG	→		299			
10. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	
To be sold							
11. List of Attachments							

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED EC Svoboda TITLE Dist. Adm. Supvr. DATE 9-11-80

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

**INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE**

### Southeastern New Mexico

## Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____ 3730	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____ 3808	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____ 4308	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____ 4410	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____ 5525	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____ 6337	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____ 6390	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

## OIL OR GAS SANDS OR ZONES

No. 1, from..... to..... No. 4, from..... to.....  
No. 2, from..... to..... No. 5, from..... to.....  
No. 3, from..... to..... No. 6, from..... to.....

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

No. 4, from.....to.....feet.....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
3730	4410		Mesa Verde				

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

Form C-122  
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 07 29 80	
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS CO.		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 06 26 80		Total Depth 6663		Plug Back TD 6620		Elevation 5549 GL
Farm or Lease Name SAMMONS GAS COM C						Well No. 1E
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6663	Perforations: From 6410 To 6577		Unit 1E
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6566	Perforations: From OPEN To ENDED		Unit Sec. Twp. Rge. P 7 29N 9W
Type Well - Single - Draddenhead - G.C. or G.O. Multiple SINGLE				Packer Set At NONE		County SAN JUAN
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F		State NEW MEXICO
L	H	Gg	% CO <sub>2</sub>	% N <sub>2</sub>	% H <sub>2</sub> S	Prover Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	of Flow
SI	9 days						1285		1255		3 hrs
1.	2.375	.750					14		87		
2.											
3.											
4.											
5.											

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DIVISION OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Pressure $\sqrt{h_w P_m}$	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd	
1	12.365	26	1.000	.9258	1.003	299	
2.							
3.							
4.							
5.							

NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

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DIST. 3

NO.	P <sub>r</sub>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		99	9801	1672408	1.0059	1.0044
2						
3						
4						
5						

$AOF = Q \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 300$

Absolute Open Flow	300	Mcf @ 15.025	Angle of Slope @	Slope, n .75
--------------------	-----	--------------	------------------	--------------

Remarks:			
Approved By Commission:	Conducted By: JJB	Calculated By: J J BARNETT	Checked By: R A DOWNEY

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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
Name of Operator Amoco Production Company		5. State Oil & Gas Lease No.
Address of Operator 501 Airport Drive Farmington, NM 87401		7. Unit Agreement Name
Location of Well UNIT LETTER <u>P</u> <u>315</u> FEET FROM THE <u>South</u> LINE AND <u>865</u> FEET FROM THE <u>East</u> LINE, SECTION <u>7</u> TOWNSHIP <u>29N</u> RANGE <u>9W</u> NMPM.		8. Farm or Lease Name Sammons Gas Com "C"
15. Elevation (Show whether DF, RT, GR, etc.) 5549' GL		9. Well No. 1E
12. County San Juan		10. Field and Pool, or Wildcat Basin Dakota

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK  
TEMPORARILY ABANDON  
PULL OR ALTER CASING

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OIL CONSERVATION DIVISION  
SANTA FE

PLUG AND ABANDON ☐

CHANGE DEPT. ☐

OTHER ☐

REMEDIAL WORK ☐

COMMENCE DRILLING OPNS. ☐

CASING TEST AND CEMENT JOB ☐

OTHER ☐

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

completion ☒

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Completion operations commenced on 6-2-80. Total depth of the well is 6663' and plugback depth is 6620'. Perforated intervals 6410' to 6412', 6463' to 6467', 6472' to 6491', and 6570' to 6577' with 2 spf, a total of 60, .38" holes.

Released the rig on 6-4-80, and flow tested the well for 12 days.

Moved in and rigged up service unit again on 6-23-80 and sand water fraced with 105,900 gallons of frac fluid and 269,500# of 20-40 sand.

Landed 2-3/8" tubing at 6566'. Swabbed the well and released the rig on 6-30-80.

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

SIGNED E. E. Forboda TITLE Dist. Adm. Supvr. DATE 7-14-80

APPROVED BY Frank J. Clark TITLE SUPERVISOR DISTRICT 3 DATE JUL 15 1980

CONDITIONS OF APPROVAL, IF ANY:



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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>	5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
Name of Operator Amoco Production Company			5. State Oil & Gas Lease No.
Address of Operator 501 Airport Drive Farmington, NM 87401			7. Unit Agreement Name
Location of Well UNIT LETTER <u>P</u> <u>315</u> FEET FROM THE <u>South</u> LINE AND <u>865</u> FEET FROM THE <u>East</u> LINE, SECTION <u>7</u> TOWNSHIP <u>29N</u> RANGE <u>9W</u> NMPM.			8. Farm or Lease Name Sammons Gas Com "C"
15. Elevation (Show whether DF, RT, GR, etc.) 5549' GL			9. Well No. 1E
			10. Field and Pool, or Wildcat Basin Dakota
			12. County San Juan

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	completion <input type="checkbox"/>

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Completion operations commenced on 6-2-80. Total depth of the well is 6662', and plugback depth is 6620'. Perforated interval from 6410-6412', 6463-6467', 6472-6491', and 6570-6577', with 2 SPF a total of 64, .38" holes. Sand-water fraced with 85,714 gal of frac fluid, and 322,000# of 20-40 sand. Landed the 2-3/8" tubing at 6568'.

Swabbed the well and released the rig on 6-4-80.



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

SIGNED <u>E. Svoboda</u>	TITLE <u>Dist. Adm. Supvr.</u>	DATE <u>6-24-80</u>
APPROVED BY <u>Frank J. Cherry</u>	TITLE <u>SUPERVISOR DISTRICT #3</u>	DATE <u>JUN 26 1980</u>
CONDITIONS OF APPROVAL, IF ANY:		

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LAND OFFICE	
OPERATOR	1

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)</small>		5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.		
7. Unit Agreement Name		
8. Farm or Lease Name <b>Sammons Gas Com "C"</b>		
9. Well No. <b>1E</b>		
10. Field and Pool, or Wildcat <b>Basin Dakota</b>		
11. Elevation (Show whether DF, RT, GR, etc.) <b>5549' GL</b>		
12. County <b>San Juan</b>		

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> CASING TEST AND CEMENT JOBS <input type="checkbox"/> OTHER <input type="checkbox"/>
ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> <b>Spud &amp; Set Casing</b> <input type="checkbox"/>	

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

pudded a 12-1/4" hole on 5-1-80 and drilled to 302'. Set 9-5/8", 32.3# surface casing at 283' on 5-2-80 and cemented with 300 sx of class "B" Neat cement. Good cement was circulated to the surface.

rilled an 8-3/4" hole to 2390'. Set 7", 20.0# Intermediate casing at 2390' on 5-4-80 and cemented with 370 sx of class "B" Neat cement containing 50:50 Poz, 6% gel, 2# Medium tuf plug per sx, and .8% fluid loss additive. This was tailed in with 100 sx class "B" Neat cement. Good cement as circulated to the surface. Drilled a 6-1/4" hole to a TD of 6663'. Set 4-1/2", 10.5# production casing at 6663' on 5-10-80 and cemented with 415 sx of class "B" Neat cement containing 0:50 Poz, 6% gel, 2# Medium tuf plug per sx, and .8% fluid loss additive. This was tailed in with 100 sx of class "B" Neat cement. Good cement was circulated to the surface.

. DV tool was not required on this procedure.

he rig was released on 5-10-80.

RECEIVED  
JUN - 3 1980  
OIL CONSERVATION DIVISION  
SANTA FE

RECEIVED  
MAY 27 1980  
OIL CON. COM.  
DIST. 3

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

SIGNED	<i>E. E. S. S. S.</i>	TITLE	Dist. Adm. Supvr.	DATE	5-22-80
APPROVED BY	<i>Frank J. S. S.</i>	TITLE	SUPERVISOR DISTRICT # 3	DATE	MAY 27 1980
CONDITIONS OF APPROVAL, IF ANY:					

NO. OF COPIES RECEIVED	5
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	
OPERATOR	1

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work

Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐  
OIL WELL ☐ GAS WELL ☒ OTHER INFILL SINGLE ZONE ☒ MULTIPLE ZONE ☐

Name of Operator

AMOCO PRODUCTION COMPANY

Address of Operator

501 Airport Drive, Farmington, New Mexico 87401

Location of Well

UNIT LETTER P LOCATED 315 FEET FROM THE South LINE

865 FEET FROM THE East LINE OF SEC. 7 TWP. 29N RGE. 9W

2A. Indicate Type of Lease

STATE ☐ FEDERAL ☒

3. Date Oil & Gas Lease No.

7. Unit Agreement Name

8. Term of Lease Name

Sammons Gas Com "C"

9. Well No.

IE

10. Field and Pool, or Wildcat

Basin Dakota

12. County

San Juan

15. Proposed Depth

6772'

19A. Formation

Dakota

20. Rotary or C.T.

Rotary

2. Elevations (Show whether DJ, RT, etc.)

5549' GL

21A. Kind & Status Plug. Bond

Statewide

21B. Drilling Contractor

Unknown

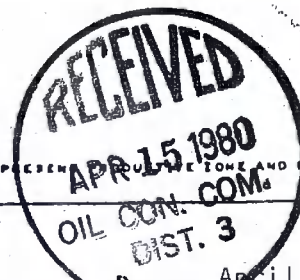
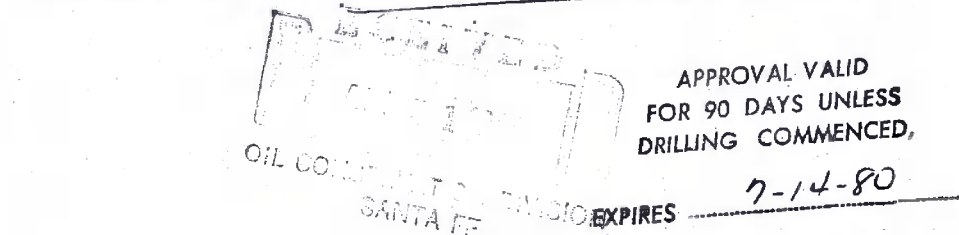
22. Approx. Date Work will start

May 15, 1980

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	9-5/8"	32.3#	300'	300	Surface
8-3/4"	7"	20#	2452'	330	Surface
6-1/4"	4-1/2"	10.5#	6772'	400	2300'

Amoco proposes to drill the above well to further develop the Basin Dakota reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to intermediate with a low solids nondispersed mud system and then to TD with air. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well location will be cleaned and the reserve pit filled and leveled. Gas produced from this well is dedicated to El Paso Natural Gas Co.



ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed B.E. Jackwell Title District Engineer Date April 15, 1980

(This space for State Use)

PROVED BY Frank J. Davis TITLE SUPERVISOR DISTRICT # 3 DATE APR 15 1980

NOTATIONS OF APPROVAL, IF ANY:

www R2046

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

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

Operator <b>AMOCO PRODUCTION COMPANY</b>			Lessee <b>SAMMONS GAS CO. "C"</b>		Well No. <b>1-E</b>
Section Letter <b>P</b>	Section <b>7</b>	Township <b>29N</b>	Range <b>9W</b>	County <b>San Juan</b>	
Well Footage Location of Well:					
<b>315</b>	feet from the	<b>South</b>	line and	<b>865</b>	feet from the <b>East</b> line
Under Level Elev: <b>5549</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>		Dedicated Acreage: <b>331.68</b> Acres

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

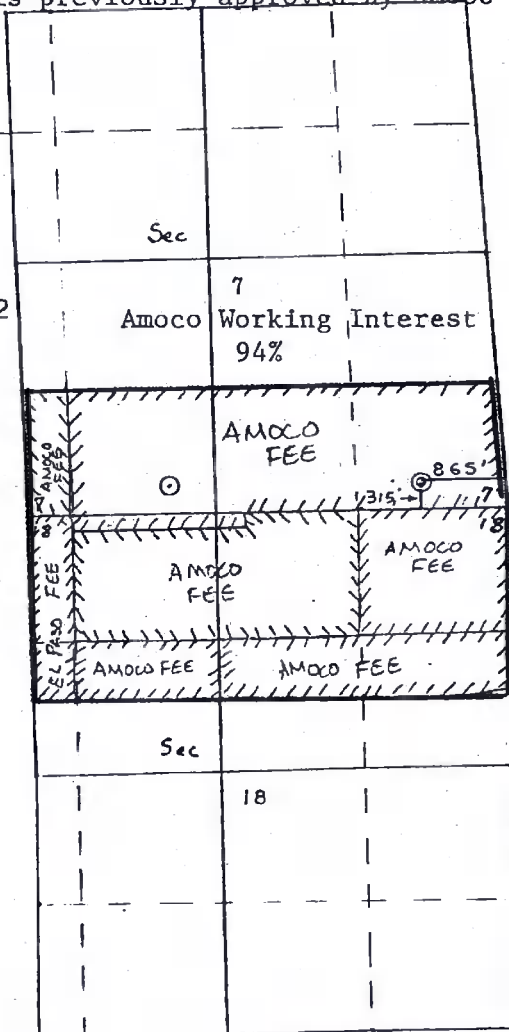
☒ Yes ☐ No If answer is "yes," type of consolidation Communitization - Amoco owns all acreage unit except for 18.38 acres in western part of NW/4 Section 18, which is owned by El Paso. They will either join in the drilling of the well or farmout the acreage to Amoco.  
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

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

The non-standard unit is previously approved by NMOCC Order No. R-2046

Dedication:

S/2 S/2 Sec. 7  
N/2 N/2 and N/2 S/2 N/2  
Section 18



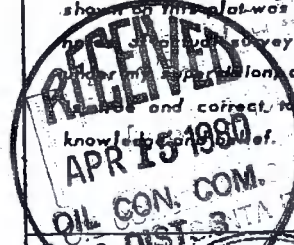
**CERTIFICATION**

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

*B. E. Fackrell*

Name  
**B. E. FACKRELL**  
Position  
**DISTRICT ENGINEER**  
Company  
**AMOCO PRODUCTION COMPANY**  
Date  
**MARCH 27, 1980**

I hereby certify that the well location shown on this plat was plotted from field notes and surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Date Surveyed  
**March 27, 1980**  
Registered Professional Engineer and Land Surveyor  
*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr., P.E.**  
Certificate No. **3950**

Scale: 1"=2000'

Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.

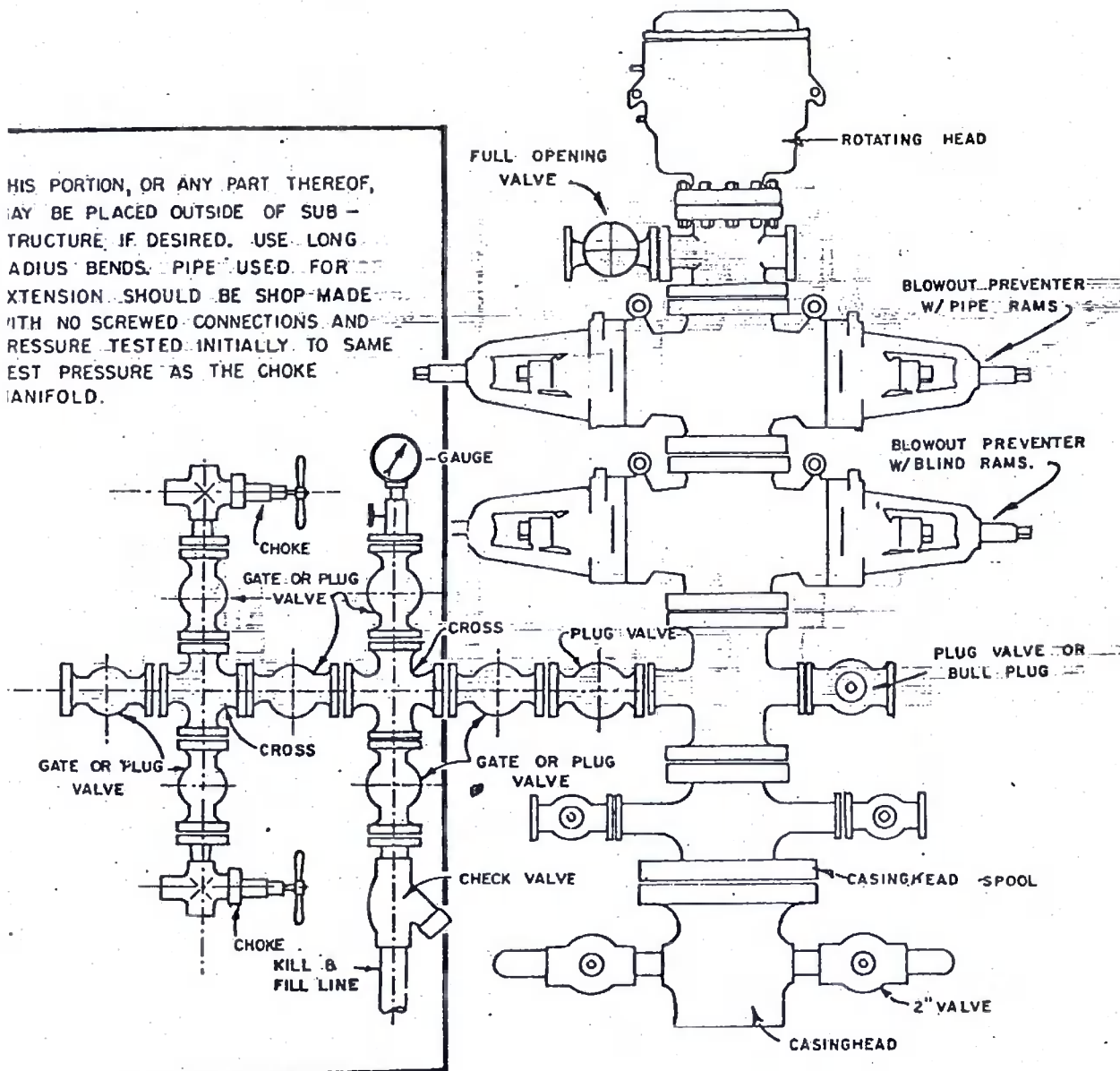
Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.

Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.

All fittings to be flanged.

Omsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP-MADE WITH NO SCREWED CONNECTIONS AND BE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKE MANIFOLD.



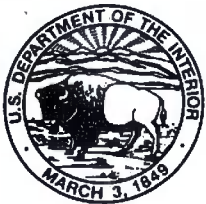
## BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT D-4

OCTOBER 16, 1969

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

New Mexico State Office

1474 Rodeo Rd.

P.O. Box 27115

Santa Fe, New Mexico 87502-0115



IN REPLY REFER TO:

3160 (921)

NGPA Location: 435 Montano Road NE, Albuquerque, NM 87107-4935

CERTIFIED MAIL NO. P 071 878 823  
RETURN RECEIPT REQUESTED

July 26, 1993

Marilyn L. Rand, Director  
Division of Producer Regulation  
Federal Energy Regulatory Commission  
825 North Capitol Street NE  
Washington, DC 20426

Dear Ms. Rand:

This jurisdictional agency hereby designates the Mesaverde formation underlying the following described lands in the Blanco Mesaverde Area of the Blanco Mesaverde Pool located in San Juan and Rio Arriba Counties, New Mexico, as a tight formation, BLM Docket No. NM-1813-92, under Section 107 of the NGPA:

Township 27 North, Range 7 West, NMPM

Sections 1 through 12: All  
Section 15: W 1/2  
Sections 16 through 21: All  
Section 22: W 1/2  
Section 27: NW 1/4  
Section 28: N 1/2  
Sections 29 and 30: All

Township 27 North, Range 8 West, NMPM

Sections 1 through 36: All

Township 28 North, Range 7 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 28 North, Range 8 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 28 North, Range 9 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 28 North, Range 10 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 29 North, Range 7 West, NMPM

Sections 1 through 36: All

Township 29 North, Range 8 West, NMPM

Sections 1 through 36: All

Township 29 North, Range 9 West, NMPM  
Sections 1 through 36: All

Township 29 North, Range 10 West, NMPM  
Sections 1 through 36: All

Township 29 North, Range 11 West, NMPM  
Sections 1 through 36: All

Township 30 North, Range 7 West, NMPM  
Sections 1 through 36: All

Township 30 North, Range 8 West, NMPM  
Sections 1 through 36: All

Township 30 North, Range 9 West, NMPM  
Sections 1 through 36: All

Township 30 North, Range 10 West, NMPM  
Sections 1 through 36: All

Township 30 North, Range 11 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 6 West, NMPM  
Sections 6 and 7: All  
Sections 18, 19 and 30: All

Township 31 North, Range 7 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 8 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 9 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 10 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 11 West, NMPM  
Sections 1 through 36: All

Township 32 North, Range 10 West, NMPM  
Sections 1 through 36: All

Township 32 North, Range 11 West, NMPM  
Sections 1 through 36: All

The total area encompasses 480,076 acres, more or less, occupying 750 square miles of the north central San Juan Basin located in San Juan and Rio Arriba Counties, New Mexico. The designated area consists of 78.68% Federal, 0.33% Navajo Allotted, 12.08% State and 8.91% Fee Lands.

The applicant is Amoco Production Company, Southern Rockies Business Unit, P. O. Box 800, Denver, Colorado 80201. The application was prepared by Rose Exploration, Inc., 518 17th Street, Suite 740, Denver, Colorado 80202.

Existing Federal and State of New Mexico Regulations administered by the U.S. Bureau of Land Management and the New Mexico Oil Conservation Division relating to drilling, casing, and cementing of wells are in effect to help assure that development of the Mesaverde formation will not adversely affect or impair any fresh water aquifers.

The estimated average in-situ gas permeability, throughout the pay section, is expected to be 0.1 millidarcy or less.

The stabilized production rate, against atmospheric pressure, of wells completed for production in the Mesaverde formation, without stimulation, is not expected to exceed the maximum production rate contained in the FERC tight formation guidelines.

No well drilled into the designated tight formation is expected to produce, without stimulation, more than five barrels of crude oil per day.

The formation has been authorized to be developed by infill drilling. This incentive no longer applies as the purpose of this tight formation area designation is to obtain IRS Section 29 tax credits.

The applicant does not seek to qualify gas produced from the tight formation for the incentive price.

Evidence was presented by the applicant to the BLM and the New Mexico Oil Conservation Division. The exhibits and other documentation are enclosed. The BLM Tight Formation Review and Technical Report is enclosed.


Included with this designation is a letter dated July 26, 1993, from the Chief Hearing Officer/Engineer, New Mexico Oil Conservation Division signifying their concurrence with this designation.

It is requested that this jurisdictional agency be advised in writing when the 45 day review period will end and the appropriate FERC State No. (NM-\_\_) assigned to this tight formation be included.

Persons objecting to this determination may file a protest directly with the Federal Energy Regulatory Commission, in accordance with 18 CFR Part 275.203 and 275.204, within 20 days after the notice is published in the Federal Register by the FERC.

If you have any questions please contact Allen F. Buckingham at (505) 761-8765 or FAX (505) 761-8911.

Sincerely yours,

  
for Deputy State Director  
Lands and Minerals

Enclosures

cc:

Amoco Production Company (J. W. Hawkins) (w/BLM Tech Rept)

Rose Exploration, Inc. (Mike Wynne) (w/BLM Tech Rept)

New Mexico Oil Conservation Div. (Michael Stogner) (w/BLM Tech Rept)

NM-921 (Steve Salzman)

NM-011 (Tom Hewitt/NGPA Liaison)

on non-Federal residential buildings are also relevant to a building energy standard for Federal residences because the comments address issues of feasibility and cost-effectiveness. These and any future comments on the new Federal residential standards will be given serious consideration for potential applicability to the Federal residential standard development required by the Energy Policy Act of 1992.

Issued in Washington, DC August 5, 1993.  
Robert L. San Martin,  
Acting Assistant Secretary, Energy Efficiency  
and Renewable Energy.  
[FR Doc. 93-19409 Filed 8-11-93; 8:45 am]  
BILLING CODE 6340-01-P

# Federal Energy Regulatory Commission

[Docket No. JD93-13529T New Mexico-48]

## United States Department of the Interior, Bureau of Land Management; NGPA Notice of Determination by Jurisdictional Agency Designating Tight Formation

August 6, 1993.

Take notice that on July 30, 1993, the United States Department of the Interior's Bureau of Land Management (BLM) submitted the above-referenced notice of determination pursuant to § 271.703(c)(3) of the Commission's regulations, that the Mesaverde Group underlying certain lands in the Blanco Mesaverde Area of the Blanco Mesaverde Pool in San Juan and Rio Arriba Counties, New Mexico, qualifies as a tight formation under section 107(b) of the Natural Gas Policy Act of 1978. The area of application covers approximately 480,076 acres, more or less, and consists of 78.68% Federal, 0.33% Navajo Allotted, 12.08% State and 8.91% Fee Lands. The recommended area is described on the attached appendix.

The notice of determination also contains BLM's and the New Mexico Department of Energy, Minerals and Natural Resources' findings that the referenced portion of the Mesaverde Group meets the requirements of the Commission's regulations set forth in 18 CFR part 271.

The application for determination is available for inspection, except for material which is confidential under 18 CFR 275.206, at the Federal Energy Regulatory Commission, 825 North Capitol Street, NE., Washington, DC 20426. Persons objecting to the determination may file a protest, in accordance with 18 CFR 275.203 and

275.204, within 20 days after the date this notice is issued by the Commission.  
Limwood A. Watson, Jr.,  
Acting Secretary.

### Appendix

TOWNSHIP 27 NORTH, RANGE 7 WEST  
Sections 1-12: All  
Section 15: W/2  
Sections 16-21: All  
Section 22: W/2  
Section 27: NW/4  
Section 28: NW/2  
Sections 29-30: All  
TOWNSHIP 27 NORTH, RANGE 8 WEST  
Sections 1-36: All  
TOWNSHIP 28 NORTH, RANGE 7 WEST  
TOWNSHIP 28 NORTH, RANGE 8 WEST  
TOWNSHIP 28 NORTH, RANGE 9 WEST  
TOWNSHIP 28 NORTH, RANGE 10 WEST  
Sections 7-36: All (Irregular Township)  
TOWNSHIP 29 NORTH, RANGE 7 WEST  
TOWNSHIP 29 NORTH, RANGE 8 WEST  
TOWNSHIP 29 NORTH, RANGE 9 WEST  
TOWNSHIP 29 NORTH, RANGE 10 WEST  
TOWNSHIP 29 NORTH, RANGE 11 WEST  
TOWNSHIP 30 NORTH, RANGE 7 WEST  
TOWNSHIP 30 NORTH, RANGE 8 WEST  
TOWNSHIP 30 NORTH, RANGE 9 WEST  
TOWNSHIP 30 NORTH, RANGE 10 WEST  
TOWNSHIP 30 NORTH, RANGE 11 WEST  
Sections 1-36: All  
TOWNSHIP 31 NORTH, RANGE 6 WEST  
Sections 6-7: All  
Sections 18-19: All  
Section 30: All  
TOWNSHIP 31 NORTH, RANGE 7 WEST  
TOWNSHIP 31 NORTH, RANGE 8 WEST  
TOWNSHIP 31 NORTH, RANGE 9 WEST  
TOWNSHIP 31 NORTH, RANGE 10 WEST  
TOWNSHIP 31 NORTH, RANGE 11 WEST  
Sections 1-36: All  
TOWNSHIP 32 NORTH, RANGE 10 WEST  
TOWNSHIP 32 NORTH, RANGE 11 WEST  
Sections 7-36: All (Irregular Township)

[FR Doc. 93-19327 Filed 8-11-93; 8:45 am]  
BILLING CODE 6717-01-M

NM-48  
Final OK on 13 Sep 93

480,076 acres.  
MU Group

NM-1813-92

ergy, DOE.

ssil Energy of  
gives notice  
granting  
(NGC)  
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to Canada  
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DC 20585;  
room is

///

## State of New Mexico

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

2040 Pacheco St. 1220 South St. Francis Dr.

Santa Fe, NM 87505

TF-03-004

OR DIVISION

USE ONLY:

APPLICATION FOR WELLHEAD PRICE CEILING CATEGORY DETERMINATION

APPROPRIATE FILING FEE(S) ENCLOSED? YES ☒ NO ☐DATE COMPLETE APPLICATION FILED January 2, 2003DATE DETERMINATION MADE January 17, 2003WAS APPLICATION CONTESTED? YES ☐ NO ☒NAME(S) OF INTERVENORS(S), IF ANY: NA

## - FILING FEE(S) -

Effective October 1, 1986,  
a non-refundable filing fee of  
\$25.00 per category for each  
application is mandatory. (Rule  
2, Order No. R-5878-8-3)

5A. Indicate Type of Lease

STATE ☒ FEE ☐

5. State Oil &amp; Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

State Gas Com BF

9. Well No.

1E

10. Field and Pool, or Wildcat

Blanco Mesaverde

12. County

San Juan

Name of Operator

P America Production Company

Address of Operator

O. Box 3092 Houston, TX 77253

Location of Well

UNIT LETTER I LOCATED 1775 FEET FROM THE SOUTH LINEAND 1650 FEET FROM THE EAST LINE OF SEC. 16 TWS. 29N RGE. 09W NMPM

I. Name and Address of Purchaser(s)

Paso Field Services

API No. 30-045-26235

Check appropriate box for category sought and information submitted. Enter required information on lines 1 and 2, below.

1. Category(ies) sought (By NGPA Section No.)

2. Filing Fee(s) Amount Enclosed: \$ 25.00

3. All applications must contain:

- a. C-101 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK
- b. C-105 WELL COMPLETION OR RECOMPLETION REPORT
- c. DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111
- d. AFFIDAVITS OF MAILING OR DELIVERY

4. In addition to the above, all applications must contain the items required by the applicable rule of the Division's "Special Rules of Applications for Wellhead Price Ceiling Category Determinations" as follows:

A. NEW NATURAL GAS UNDER SEC. 102 (c) (1) (B) (using 2.5 Mile or 1000 Feet Deeper Test)

☐ All items required by Rule 14 (1) and/or Rule 14 (2)

B. NEW NATURAL GAS UNDER SEC. 102 (c) (1) (C) (new onshore reservoir)

☐ All items required by Rule 15

C. NEW ONSHORE PRODUCTION WELL UNDER SEC. 103

☐ All items required by Rule 16a OR Rule 16B

D. SEC. 107 HIGH COST NATURAL GAS (TIGHT FORMATION, DEEP, COAL SEAM, AND PRODUCTION ENHANCEMENT) UNDER SEC. 103

☒ All items required by Rule 17 (1), Rule 17 (2), Rule 17 (4), or Rule 17 (5)

E. STRIPPER WELL NATURAL GAS UNDER SEC. 108

☐ All items required by Rule 18

I, HEREBY CERTIFY THAT THE INFORMATION CONTAINED  
HEREIN IS TRUE AND COMPLETE TO THE BEST OF MY  
KNOWLEDGE AND BELIEF.

Mary Corley

NAME OF APPLICANT (TYPE OR PRINT)

SIGNATURE OF APPLICANT

Title Senior Regulatory Analyst

Date December 18, 2002

## FOR DIVISION USE ONLY

☒ Approved☐ Disapproved

The information contained herein includes all of the information required  
to be filed by the applicant under Subpart 8 of Part 274 of the FERC  
regulation

EXAMINER

**A. THE NGPA WELL CATEGORY DETERMINATION IS BEING SOUGHT FOR A WELL PRODUCING:**

- A1 ☐ occluded natural gas from coal seams.  
A2 ☐ natural gas from Devonian shale.  
A3 ☒ natural gas from a designated tight formation.

**B. FOR ALL APPLICATIONS FOR DETERMINATION PROVIDE THE FOLLOWING:**

1. Well Name and No.\*      State Gas Com BF #1E
2. Completed in (Name of Reservoir) \*      Mesaverde
3. Field \*      Blanco Mesaverde
4. County \*      San Juan
5. State \*      New Mexico
6. API Well No. (14 digits maximum. If not assigned, leave blank.)      30-045-26235
9. Measured Depth of the Completed Interval (in feet)  
TOP      3878'      BASE      4906'

**C. APPLICANT'S MAILING ADDRESS AND THE IDENTITY OF THE PERSON WHO IS RESPONSIBLE FOR APPLICATION:**

1. Applicant's Name \*      BP America Production Company
2. Street \*      501 Westlake Park BLVD
3. City \*      Houston
4. State\*      Texas      5. Zip Code      77079
6. Name of Person Responsible \*      Mary Corley
7. Title of Such Person \*      Senior Regulatory Analyst
8. Signature *Mary Corley*      and Phone No. ( 281 ) 366 - 4491

\* SIGNIFIES THAT LINE ENTRY MAY CONTAIN UP TO 35 LETTERS AND/OR NUMBERS.





San Juan Business Unit

Mary Corley  
WL1-19.171  
281-366-4491 (direct)  
281-366-0700 (FAX)

P. O. Box 3092  
Houston, Texas 77253-3092  
501 Westlake Park Boulevard  
Houston, Texas 77079

September 23, 2002

State of New Mexico  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Application For Well Category Determination  
NGPA Section 107  
State Gas Com BF Well No. 1E – Mesaverde  
San Juan County, New Mexico**



Amoco Production Company is enclosing, for review and approval by the Oil Conservation Division, the original and one copy of an Application for Well Category Determination for the referenced well. Please hold the information in the filing confidential to the maximum extent allowed by law.

A copy of this letter and the FERC Form 121 has been mailed to each working interest owner entitled to receive Notice of this Application.

Please indicate receipt of this filing by date stamping the attached copy of this letter and returning the copy for our records.

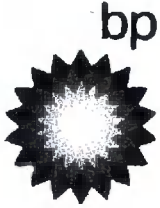
Very truly yours,

A handwritten signature in blue ink that reads "Mary Corley".

Mary Corley  
Sr. Regulatory Analyst

Enclosures

Cc: Working Interest Owners



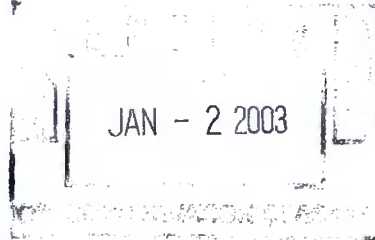
San Juan Performance Unit

Mary Corley  
WL1-19.171  
281-366-4491 (direct)  
281-366-0700 (FAX)  
[corleyml@bp.com](mailto:corleyml@bp.com)

P. O. Box 3092  
Houston, Texas 77253-3092  
501 Westlake Park Boulevard  
Houston, Texas 77079

December 30, 2002

State of New Mexico  
Oil Conservation Division  
2040 Pacheco St.  
Santa Fe, New Mexico 87505



**Application For Well Category Determination**  
**NGPA Section 107**  
**San Juan County, New Mexico**

Attached please find a check in the amount of \$50.00 payable to the State of New Mexico for NGPA Section 107 Well Category Determinations for the below listed BP America Production Company wells.

State Gas Com BF Well # 1E	Mesaverde Pool	NM - 48	80-045-26235
Sammons Gas Com C Well # 1E	Mesaverde	NM - 48	

Also enclosed, for review and approval by the Oil Conservation Division, are the original and one copy of an Application for Well Category Determination for each of the referenced wells.

Very truly yours

Mary Corley  
Sr. Regulatory Analyst

Enclosures



BP America Production Company  
509 South Boston  
Tulsa, OK 74103

62-20  
311

CHECK NO. 0800526742

12/19/02

PAY TO THE  
ORDER OF

STATE OF NEW MEXICO  
2040 PACHEO ST  
SANTA FE, NM 87505 US

\*\*\*\*\*\$50.00

NOT VALID AFTER 6 MONTHS

*Fifty and 00/100 Dollars*

TRACE NUMBER: 2000406307

Authorized Signature

CITIBANK DELAWARE, A SUBSIDIARY OF CITICORP  
ONE PENN'S WAY, NEW CASTLE, DE 19720

⑈0800526742⑈ ⑆031100209⑆

39116481⑈

Submit to  
Appropriate  
District Office  
State Lease - 6

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

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-105  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

WELL API NO.

30-045-26235

Indicate Type of Lease

STATE ☒ FEE ☐

6/ State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER		7. Lease Name or Unit Agreement Name State Gas Com BF	
b. Type of NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input checked="" type="checkbox"/> OTHER			
2. Name of Operator Amoco Production Company		8. Well No. 1E	
3. Address of Operator P.O. BOX 3092 Houston TX. 77253-3092 (281) 366-2548		9. Pool name or Wildcat Blanco Mesaverde	
4. Well Location Unit Letter <u>I</u> : 1775' Feet From The <u>South</u> Line and 915' Feet From The <u>East</u> Line Section 16 Township 29N Range 9W NMPM San Juan County			
10. Date Spudded 04-09-85	11. Date T.D. Reached 04-16-85	12. Date Compl. (Ready to Prod.) 08-30-00	13. Elevations (DF & RKB, RT, GR, etc.) 5845' KB
14. Elev. Casinghead 5832'			
15. Total Depth 6914'	16. Plug Back T.D. 6906'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools YES Cable Tools NO
19. Producing Interval(s), of this completion - Top, Bottom, Name 3878' - 4906' Blanco Mesaverde			20. Was Directional Survey Made
21. Type Electric and Other Logs Run CBL			22. Was Well Cored

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	339'	12 1/4"	230 SXS to SURF	
7"	20#	2690'	6 1/4"	300 SXS to SURF	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
4 1/2"	Unknown	6913'	430 SXS		2 3/8"	6887'

26. Perforation record (interval, size, and number)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
1. 4705' - 4906'	2 JSPF, .340 inch diameter, total 22 shots	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED		
2. 4576' - 4687'	1 JSPF, .340 inch diameter, total 16 shots	4576' - 4906'	80,000# 16/30 Arizona Sand & 70% Quality N2 Fo		
3. 4216' - 4474'	2 JSPF, .340 inch diameter, total 36 shots	4216' - 4474'	80,000# 16/30 Arizona Sand & 70% Quality N2 Fo		
4. 3986' - 4086'	1 JSPF, .340 inch diameter, total 18 shots	3878' - 3963'	80,000# 16/30 Arizona Sand & 70% Quality N2 Fo		
5. 3878' - 3963'	2 JSPF, .340 inch diameter, total 14 shots				

28. Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) SI	
Date of Test 28 Aug 2000	Hours Tested 12	Choke Size Choke size	Prod'n For Test Period	Oil - Bbl. Trace	Gas - MCF 1100	Water - Bbl. Trace	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure 370#	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) To be Sold						Test Witnessed By	

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed Name

Melissa Velasco

Title

Permitting Test

Date 09-01-200

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

311 South First., Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**DISTRICT IV**

2040 South Pacheco, Santa Fe, NM 87505

## State of New Mexico

Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**

2040 South Pacheco

Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-045-26235	Pool Code 72319	Pool Name Blanco Measverde
Property Code 001071	Property Name State Gas Com BF	Well Number 1E
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 6858' GR

**Surface Location**

UL or lot no. UNIT I	Section 16	Township 29N	Range 9W	Lot. Idn	Feet from the 1775'	North/South Line SOUTH	Feet from the 915'	East/West Line EAST	County San Juan
-------------------------	---------------	-----------------	-------------	----------	------------------------	---------------------------	-----------------------	------------------------	--------------------

**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
Dedicated Acreage: 320	Joint or Infill	Consolidation Code	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**

	<b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature: <i>Mary Cooley</i> Printed Name: <i>MARY COOLEY</i> Position: Sr. Business Analyst Date: 01/26/2000
	<b>SURVEY CERTIFICATION</b> <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 knowledge and belief.</i> Date of Survey: 01/08/1985 Signature & Seal of Professional Surveyor: Gary D. Vann Certificate No.: 7016

1a. TYPE OF WELL				7. Unit Agreement Name			
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				8. Farm or Lease Name State Gas Com BF			
2. Name of Operator Amoco Production Co.				9. Well No. 1E			
3. Address of Operator 501. Airport Drive, Farmington, N M 87401				10. Field and Pool, or Wildcat Basin Dakota			
4. Location of Well				11. County San Juan			
UNIT LETTER <u>I</u> LOCATED <u>1775</u> FEET FROM THE <u>South</u> LINE AND <u>915</u> FEET FROM				12. County San Juan			
THE East LINE OF SEC. <u>16</u> TWP. <u>29N</u> RGE. <u>9W</u> NMPM				13. Date Spudded 4-9-85			
15. Date T.D. Reached 4-16-85				16. Date Compl. (Ready to Prod.) 5-2-85			
17. Elevations (DF, RKB, RT, GR, etc.) 5845' KB				18. Elev. Casinghead 5832' GR			
20. Total Depth 6914'				21. Plug Back T.D. 6906'			
22. If Multiple Compl., How Many Single				23. Intervals Drilled By Rotary Tools O-TD			
24. Producing Interval(s), of this completion - Top, Bottom, Name 6676'-6900' Dakota				25. Was Directional Survey Made Yes			
26. Type Electric and Other Logs Run FDL-SNL-GR-CAL,DIL-GR				27. Was Well Cored No			
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE	
9-5/8"		36#,K55		339'		12-1/4"	
7"		20#,K55		2690'		8-3/4"	
4-1/2"		11.6#,K55		6913'		6-1/4"	
LINER RECORD		SIZE		TOP		BOTTOM	
SACKS CEMENT		SCREEN		SIZE		DEPTH SET	
2-3/8"		6887'		PACKER SET			
30. TUBING RECORD							
31. Perforation Record (Interval, size and number) 6676'-6690', 6760'-6776', 4 jspf, .50" in diameter, total of 120 holes. 6850'-6900', 4 jspf, .50" in diameter for a total of 200 holes.							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL				AMOUNT AND KIND MATERIAL USED			
6676'-6776'				70,000 gal 70 quality foam and 105,000 # 20-40 sand.			
6850'-6900'				70,000 gal 30# crosslinked gel and 75,000 #20-40 sand.			
33. PRODUCTION							
Date First Production 5-8-85		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Shut-in	
Date of Test 5-9-85		Hours Tested 3 hrs.		Choke Size .75"		Prod'n. For Test Period Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio	
Casing Pressure 410 psig		Casing Pressure 1105 psig		Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity		Test Witnessed By Bryan Services	
34. Disposition of Gas (Sold, used for fuel, vented, etc.) To be sold							
35. List of Attachments None							
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief. SIGNED <u>BDS Shaw</u> TITLE <u>Adm. Supervisor</u> DATE <u>6-7-85</u>							

District I  
PO Box 1980, Hobbs, NM 88241 -  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM  
District IV  
2040 South Pacheco, Santa Fe, NM

State of New Mexico  
Energy, Minerals & 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 Amoco Production Company P.O. Box 3092 Houston, TX 77253		<sup>2</sup> OGRID Number 000778
		<sup>3</sup> Reason for Filing Code Recompletion
<sup>4</sup> API Number 30 - 045 - 26235	<sup>5</sup> Pool Name Blanco Mesaverde	<sup>6</sup> Pool Code 72319
<sup>7</sup> Property Code 001071	<sup>8</sup> Property Name State Gas Com BF	<sup>9</sup> Well Number 1E

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
I	16	29N	9W		1775'	South	915'	East	San Juan

<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 S (State)	<sup>13</sup> Producing Method Code F	<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
151618	EL PASO FIELD SERVICES P.O. BOX 4490 FARMINGTON, NM 87499		6	
9018	GIANT REFINING CO P.O. BOX 12999 SCOTTSDALE, AZ 85267		0	



IV. Produced Water

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

V. Well Completion Data

<sup>25</sup> Spud Date 04-09-1985	<sup>26</sup> Ready Date 08/30/00	<sup>27</sup> TD 6914'	<sup>28</sup> PBTD 6906'	<sup>29</sup> Perforations 3878' - 4906'	<sup>30</sup> DHC, DC, MC DHC
<sup>31</sup> Hole Size 12 1/4"	<sup>32</sup> Casing & Tubing Size 9 5/8"	<sup>33</sup> Depth Set 339'	<sup>34</sup> Sacks Cement 230 SXS to SURF		
8 1/4"	7"	2690'	300 SXS Lead & Tail to SURF		
6 1/4" (Production Liner)	4 1/4"	6913'	430 SXS CLS A 50/50 (TOC Unknown)		
Tubing	2 3/8"	6887'			

VI. Well Test Data

<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date 08/28/00	<sup>38</sup> Test Length 12 hrs	<sup>39</sup> Tbg. Pressure	<sup>40</sup> Csg. Pressure 370#
<sup>41</sup> Choke Size 1/4"	<sup>42</sup> Oil Trace	<sup>43</sup> Water Trace	<sup>44</sup> Gas 1100 MCF	<sup>45</sup> AOF	<sup>46</sup> Test Method F

<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: *Melissa Velasco-Price*  
Printed name: Melissa Velasco-Price

Title: Permitting Assistant

Date: 9-1-00

Phone: 281-366-2548

OIL CONSERVATION DIVISION  
Approved by: *37.8*  
SUPERVISOR DISTRICT #3

Title:

Approval Date: SEP - 6 2000

<sup>48</sup> If this is a change of operator fill in the OGRID number and name of the previous operator

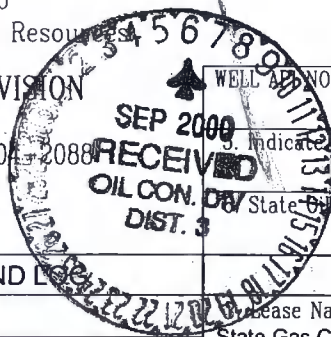
Previous Operator Signature	Printed Name	Title	Date

Submit to  
Appropriate  
District Office  
State Lease - 6State of New Mexico  
Energy, Minerals and Natural Resources

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

30-045-26235

Indicate Type of Lease

STATE ☒FEE ☐

State Oil &amp; Gas Lease No.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Well No. 1E	
b. Type of NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		9. Pool name or Wildcat Blanco Mesaverde	
2. Name of Operator Amoco Production Company		10. Date Spudded 04-09-85	
3. Address of Operator P.O. BOX 3092 Houston TX. 77253-3092		11. Date T.D. Reached 04-16-85	
4. Well Location Unit Letter I : 1775' Feet From The South Line and 915' Feet From The East Line		12. Date Compl. (Ready to Prod.) 08-30-00	
Section 16 Township 29N Range 9W NMPM San Juan County		13. Elevations (DF & RKB, RT, GR, etc.) 5845' KB	
15. Total Depth 6914'		14. Elev. Casinghead 5832'	
16. Plug Back T.D. 6906'		17. If Multiple Compl. How Many Zones? 1	
18. Intervals Drilled By Rotary Tools YES		19. Producing Interval(s), of this completion - Top, Bottom, Name 3878' - 4906' Blanco Mesaverde	
20. Was Directional Survey Made		21. Type Electric and Other Logs Run CBL	
22. Was Well Cored		23. CASING RECORD (Report all strings set in well)	

## CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	339'	12 1/4"	230 SXS to SURF	859
7"	20#	2690'	6 1/4"	300 SXS 594 to SURF	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4 1/2"	Unknown	6913'	430 SXS		2 3/8"	6887'	

26. Perforation record (interval, size, and number)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.			
1. 4705' - 4906' 2 JSPF, .340 inch diameter, total 22 shots				DEPTH INTERVAL			
2. 4576' - 4687' 1 JSPF, .340 inch diameter, total 16 shots				AMOUNT AND KIND MATERIAL USED			
3. 4216' - 4474' 2 JSPF, .340 inch diameter, total 36 shots				4576' 4906' 80,000# 16/30 Arizona Sand & 70% Quality N2 Foam			
4. 3986 - 4086' 1 JSPF, .340 inch diameter, total 18 shots				4216' 4474' 80,000# 16/30 Arizona Sand & 70% Quality N2 Foam			
5. 3878' - 3963' 2 JSPF, .340 inch diameter, total 14 shots				3878' 3963' 80,000# 16/30 Arizona Sand & 70% Quality N2 Foam			

28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) SI	
Date of Test 28 Aug 2000	Hours Tested 12	Choke Size 3/4"	Prod'n For Test Period	Oil - Bbl. Trace	Gas - MCF 1100	Water - Bbl. Trace	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure 370#	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) To be Sold						Test Witnessed By	
30. List Attachments							

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed Name

Melissa Velasco

Title

Permitting Asst

Date 09-01-200

# COMPLETION SUBSEQUENT REPORT

State Gas Com BF 1E

09/01/00

08/14/00 MIRUSU @ 0800 hrs. NDWH & NU BOP's. TOH w/TBG. PU & TIH w/4.5" CIBP & tried to set @ 5100'. Packed did not set right. SDFN.

08/15/00 TIH & set CIBP @ 5090'. Loaded hole & Pressure Tested CSG to 2500#. Held Ok. TIH & Ran a CBL Log. Had good bond. RU & Perf the Lower Point Lockout formation @ the following intervals with 2 JSPF, .340 inch diameter, total 22 shots:

4906'	4828'	4764'	4732'
4890'	4866'	4748'	4705'
4818'	4800'	4744'	

RU & Perf the Upper Point Lookout as follows w/1 JSPF, .340 inch diameter, total 16 shots:

4687'	4658'	4624'	4596'
4680'	4650'	4616'	4592'
4670'	4644'	4611'	4580'
4664'	4628'	4604'	4576'

08/19/00 RU & Frac Lower & Upper Point Lookout pumped w/80,000# 16/30 Arizona sand & 70% Quality N2 Foam. RU & set CIBP @ 4515'.

Perf the Menefee Formation @ the following intervals with 2 JSPF, .340 inch diameter, total 36 shots:

4474'	4362'	4278'	4230'
4462'	4358'	4268'	4225'
4456'	4356'	4262'	4216'
4452'	4333'	4250'	
4366'	4284'	4235'	

RU & Frac Menefee pumped w/80,000# 16/30 Arizona\_sand & 70% Quality N2 Foam. RU & set CIBP @ 4140'.

Perf the Cliffhouse Formation @ the following intervals with 1 JSPF, .340 inch diameter, total 18 shots:

4086'	4052'	4030'	4012'	3995'
4082'	4048'	4026'	4006'	3986'
4078'	4044'	4024'	4004'	
4072'	4034'	4018'	4000'	

# COMPLETION SUBSEQUENT REPORT

State Gas Com BF 1E

09/01/00

Perf the Lewis Formation @ the following intervals with 2 JSPF, .340 inch diameter, total 14 shots:

3963'	3914'	3887'	3878'
3929'	3894'	3882'	

08/22/00 RU & Frac Cliffhouse pumped 500 GAL of 15% HCL Acid ahead then Frac w/80,000# 16/30 Arizona sand & 70% Quality N2 Foam. RU to flow frac back through  $\frac{1}{4}$ " choke all night.

08/23/00 Continued flow back on  $\frac{1}{4}$ " choke. After 4 hrs. changed out choke to  $\frac{1}{2}$ " choke @ 1500 hrs. changed to  $\frac{3}{4}$ " choke. SI for Night.

08/24/00 TIH w/Mill to the top of CIBP @ 4515'. Drilled out CIBP & CIRC down to & tagged fill @ 4990'. CIRC out sand to the top of CIBP @ 5090'. PU above Perfs & SDFN.

08/25/00 TIH w/TBG & tagged fill @ 4460'. RU Air & CIRC hole clean to the top of CIBP @ 5090'. RU well to run flow test.

08/28/00 TIH & found no fill. Tagged top of CIBP @ 5090'. Drilled out CIBP & CIRC hole clean to PBTD @ 6906'. PU above Perf & flowed well through 3" line.

08/29/00 TIH w/TBG & check for fill. Found only 1' of fill. TOH w/TBG & landed @ 6666'. ND BOP's & NUWH. Shut well in.

08/30/00 RDMOSU Rig released @ 0800 hrs.

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

311 South First., Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**DISTRICT IV**

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**

2040 South Pacheco  
Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-045-26235	Pool Code 72319	Pool Name Blanco Measverde
Property Code 001071	Property Name State Gas Com BF	Well Number 1E
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 6858' GR


**Surface Location**

UL or lot no. UNIT I	Section 16	Township 29N	Range 9W	Lot. Idn	Feet from the 1775'	North/South Line SOUTH	Feet from the 915'	East/West Line EAST	County San Juan
-------------------------	---------------	-----------------	-------------	----------	------------------------	---------------------------	-----------------------	------------------------	--------------------

**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
Dedicated Acreage: 320		Joint or Infill		Consolidation Code		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**

	<b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Mary Copley</i> Printed Name: <i>MARY Copley</i> Position: Sr. Business Analyst Date: 01/26/2000
	<b>SURVEY CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date of Survey: 01/08/1985 Signature & Seal of Professional Surveyor: Gary D. Vann Certificate No.: 7016

*SA* 915' 1775'

Submit 3 Copies to  
Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**DISTRICT I**

P.O. Box 1980, Hobbs, NM

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

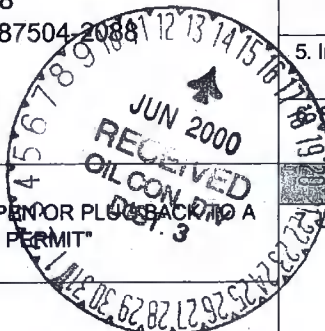
1000 Rio Brazos Rd., Aztec, NM

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-045-26235
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	State Gas Com BF
8. Well No.	1E
9. Pool name or Wildcat	Basin Dakota/Blanco Mesaverde
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	6128'



<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator AMOCO PRODUCTION COMPANY	Attention: Mary Corley
P.O. Box 3092 Houston TX 77253	
4. Well Location Unit Letter I : 1775 Feet From The SOUTH Line and 915 Feet From The EAST Line Section 16 Township 29N Rang 09W NMPM San Juan County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6128'	

11. Check Appropriate Box to Indicate Nature of Notice Report or Other Data	
<b>NOTICE OF INTENTION TO:</b>	<b>SUBSEQUENT REPORT OF:</b>
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed)

On 1/26/2000 Amoco Production Company filed an Application for Permit to abandon the Basin Dakota Pool and recomplete the subject well into the Blanco Mesaverde. Approval was granted on 1/27/2000. We respectfully request submit this request to change our procedure to recomplete to the Mesaverde and commingle production downhole with the existing Basin Dakota Pool as per the attach procedure.

The Basin Dakota (71599) & the Blanco Mesaverde (72319) Pools are Pre-Approved Pools for Downhole Commingling as per NMOCD order R-11363.

All of the working, overriding, and royalty interest are identical in both proposed commingled pools, therefore, no notification of this application is required to be submitted via certified mail.

Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the Dakota. That production shall serve as a base for production subtracted from total production for the commingled well. The balance of the production will be attributed to the Blanco Mesaverde. Attached is the future production decline estimate for the Dakota.

Commingling Production Downhole in the subject well from the proposed pools with not reduce the value of the total remaining production.

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

SIGNATURE <i>Mary Corley</i>	TITLE Sr. Regulatory Analyst	DATE 06-12-2000
TYPE OR PRINT NAME Mary Corley	TELEPHONE NO. 281-366-4491	

(This space for State Use)

APPROVED BY <i>[Signature]</i>	TITLE geologist	DATE 6/15/00
CONDITIONS OF APPROVAL, IF ANY:		

## State GC BF #1E Recompletion Procedure

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### Procedure:

1. Check anchors. MIRU.
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well. If necessary, kill with 2% KCL water.
4. Nipple down WH. NU BOPs. Pressure test to 500 psi.
5. Tally OH with 2-3/8" production tubing currently set at 6887'
6. TIH with bit and scraper for 4-1/2" casing to 5050'.
7. TIH with tubing-set CIBP. Set CIBP at 5050'.
8. Load hole with 2% KCL and TOH.
9. RU WL. Run CBL over MV interval (3700' - 5050') to ensure zonal isolation across the MV.
10. Pressure test casing to 1500 psi.
11. RIH with 3-1/8" casing guns with Schlumberger's Prospector, select-fire charge. Perforate Point Lookout formation (correlate to GR log):  
4576', 4580', 4592', 4596', 4604', 4611', 4616', 4624', 4628', 4644', 4650', 4658', 4664',  
4670', 4680', 4687', 4705', 4732', 4744', 4748', 4764', 4800', 4818', 4828', 4866', 4890', 4906'
12. RU frac equipment and install wellhead isolation tool. Use 2% KCL/N2 foam in fracture stimulation.
13. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
14. Immediately after frac job, RU WL unit and lubricator.
15. RIH and set CIBP between Point Lookout and Menefee at 4515'.
16. RIH with 3-1/8" casing guns with Schlumberger's Prospector, select-fire charge. Perforate Menefee formation (correlate to GR log):  
4216', 4225', 4230', 4235', 4250', 4262', 4268', 4278', 4284', 4333', 4346', 4358', 4362',  
4366', 4452', 4456', 4462', 4474'
17. RU frac equipment and install wellhead isolation tool. Use 2% KCL/N2 foam in fracture stimulation.
18. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
19. Immediately after frac job, RU WL unit and lubricator.
20. RIH and set CIBP between Menefee and Cliffhouse at 4140'.
21. RIH with 3-1/8" casing guns with Schlumberger's Prospector, select-fire charge. Perforate Lower Lewis/Cliffhouse formation (correlate to GR log):  
3878', 3882', 3887', 3894', 3914', 3929', 3963', 3986', 3995', 4000', 4004', 4006', 4012',  
4018', 4024', 4026', 4030', 4034', 4044', 4048', 4052', 4072', 4078', 4082', 4086'
22. RU frac equipment and wellhead isolation tool. Use 2% KCL/N2 foam in fracture stimulation.
23. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
24. Flowback frac immediately.
25. TIH with tubing and bit. Cleanout fill and drill bridge plugs at 4140', 4515', and 5050'. Cleanout fill to PBTD at 6906'.
26. TIH with 2-3/8" production tubing. Land production tubing at 6850'.
27. ND BOP's. NU WH. Return well to production and downhole commingle MV and DK production.

# State GC BF #1E

Sec 16, T29N, R9W

GL: 5823'

## History:

Completed in 5/85  
- max deviation = 2-1/2 deg.  
- 6-1/4" OH drilled with air  
without problems

## Original Dakota Perfs

6676' - 6690', 4 spf  
6760' - 6776', 4 spf  
6850' - 6900', 4 spf

PBTD: 6906'

## Notes:

-no cementing info in wellfiles  
- fluid level at 5980' (12/30/99)  
- Fill at 6939' (12/30/99 SL run)

est TOC @ surface (circ)

9-5/8" 36#, K55 LT&C @ 339'  
295 cf cmt (circ)

est TOC @ surface (circ)

7" 20#, J55, ST&C @ 2690'  
594 cf cmt (circ)

est TOC @ surface (circ)

Tubing: 2-3/8" 4.7#, J55 @ 6887'

4-1/2", 11.6#, K55, LT&C @ 6913'  
1309 cf cmt (circ)

updated: 11/9/99 jad

## Future Production Decline Estimate

Month	Gas Volume
Jan-2000	53
Feb-2000	53
Mar-2000	48
Apr-2000	48
May-2000	48
Jun-2000	48
Jul-2000	48
Aug-2000	47
Sep-2000	47
Oct-2000	47
Nov-2000	47
Dec-2000	47
Jan-2001	47
Feb-2001	47
Mar-2001	46
Apr-2001	46
May-2001	46
Jun-2001	46
Jul-2001	46
Aug-2001	46
Sep-2001	46
Oct-2001	45
Nov-2001	45
Dec-2001	45
Jan-2002	45
Feb-2002	45
Mar-2002	45
Apr-2002	45
May-2002	45
Jun-2002	44
Jul-2002	44
Aug-2002	44
Sep-2002	44
Oct-2002	44
Nov-2002	44
Dec-2002	44

Month	Gas Volume
Jan-2003	43
Feb-2003	43
Mar-2003	43
Apr-2003	43
May-2003	43
Jun-2003	43
Jul-2003	43
Aug-2003	43
Sep-2003	42
Oct-2003	42
Nov-2003	42
Dec-2003	42
Jan-2004	42
Feb-2004	42
Mar-2004	42
Apr-2004	42
May-2004	41
Jun-2004	41
Jul-2004	41
Aug-2004	41
Sep-2004	41
Oct-2004	41
Nov-2004	41
Dec-2004	41
Jan-2005	40
Feb-2005	40
Mar-2005	40
Apr-2005	40
May-2005	40
Jun-2005	40
Jul-2005	40
Aug-2005	40
Sep-2005	39
Oct-2005	39
Nov-2005	39
Dec-2005	39

Month	Gas Volume
Jan-2006	39
Feb-2006	39
Mar-2006	39
Apr-2006	39
May-2006	39
Jun-2006	38
Jul-2006	38
Aug-2006	38
Sep-2006	38
Oct-2006	38
Nov-2006	38
Dec-2006	38
Jan-2007	38
Feb-2007	38
Mar-2007	37
Apr-2007	37
May-2007	37
Jun-2007	37
Jul-2007	37
Aug-2007	37
Sep-2007	37
Oct-2007	37
Nov-2007	37
Dec-2007	36
Jan-2008	36
Feb-2008	36
Mar-2008	36
Apr-2008	36
May-2008	36
Jun-2008	36
Jul-2008	36
Aug-2008	36
Sep-2008	35
Oct-2008	35
Nov-2008	35
Dec-2008	35

Month	Gas Volume
Jan-2009	35
Feb-2009	35
Mar-2009	35
Apr-2009	35
May-2009	35
Jun-2009	34
Jul-2009	34
Aug-2009	34
Sep-2009	34
Oct-2009	34
Nov-2009	34
Dec-2009	34
Jan-2010	34
Feb-2010	34
Mar-2010	34
Apr-2010	33
May-2010	33
Jun-2010	33
Jul-2010	33
Aug-2010	33
Sep-2010	33
Oct-2010	33
Nov-2010	33
Dec-2010	33
Jan-2011	33
Feb-2011	32
Mar-2011	32
Apr-2011	32
May-2011	32
Jun-2011	32
Jul-2011	32
Aug-2011	32
Sep-2011	32
Oct-2011	32
Nov-2011	32
Dec-2011	32

# State Gas Com BF 1E

## Future Production Decline Estimate

Month	Gas Volume
Jan-2012	31
Feb-2012	31
Mar-2012	31
Apr-2012	31
May-2012	31
Jun-2012	31
Jul-2012	31
Aug-2012	31
Sep-2012	31
Oct-2012	31
Nov-2012	30
Dec-2012	30
Jan-2013	30
Feb-2013	30
Mar-2013	30
Apr-2013	30
May-2013	30
Jun-2013	30
Jul-2013	30
Aug-2013	30
Sep-2013	30
Oct-2013	30
Nov-2013	29
Dec-2013	29
Jan-2014	29
Feb-2014	29
Mar-2014	29
Apr-2014	29
May-2014	29
Jun-2014	29
Jul-2014	29
Aug-2014	29
Sep-2014	29
Oct-2014	28
Nov-2014	28
Dec-2014	28

Month	Gas Volume
Jan-2015	28
Feb-2015	28
Mar-2015	28
Apr-2015	28
May-2015	28
Jun-2015	28
Jul-2015	28
Aug-2015	28
Sep-2015	28
Oct-2015	27
Nov-2015	27
Dec-2015	27
Jan-2016	27
Feb-2016	27
Mar-2016	27
Apr-2016	27
May-2016	27
Jun-2016	27
Jul-2016	27
Aug-2016	27
Sep-2016	27
Oct-2016	26
Nov-2016	26
Dec-2016	26
Jan-2017	26
Feb-2017	26
Mar-2017	26
Apr-2017	26
May-2017	26
Jun-2017	26
Jul-2017	26
Aug-2017	26
Sep-2017	26
Oct-2017	26
Nov-2017	25
Dec-2017	25

Month	Gas Volume
Jan-2018	25
Feb-2018	25
Mar-2018	25
Apr-2018	25
May-2018	25
Jun-2018	25
Jul-2018	25
Aug-2018	24
Sep-2018	24
Oct-2018	24
Nov-2018	24
Dec-2018	24
Jan-2019	24
Feb-2019	24
Mar-2019	24
Apr-2019	23
May-2019	23
Jun-2019	23
Jul-2019	23
Aug-2019	23
Sep-2019	23
Oct-2019	23
Nov-2019	23
Dec-2019	23
Jan-2020	22
Feb-2020	22
Mar-2020	22
Apr-2020	22
May-2020	22
Jun-2020	22
Jul-2020	22
Aug-2020	22
Sep-2020	22
Oct-2020	21
Nov-2020	21
Dec-2020	21

Month	Gas Volume
Jan-2021	21
Feb-2021	21
Mar-2021	21
Apr-2021	21
May-2021	21
Jun-2021	21
Jul-2021	20
Aug-2021	20
Sep-2021	20
Oct-2021	20
Nov-2021	20
Dec-2021	20
Jan-2022	20
Feb-2022	20
Mar-2022	20
Apr-2022	20
May-2022	19
Jun-2022	19
Jul-2022	19
Aug-2022	19
Sep-2022	19
Oct-2022	19
Nov-2022	19
Dec-2022	19
Jan-2023	19
Feb-2023	19
Mar-2023	19
Apr-2023	18
May-2023	18
Jun-2023	18
Jul-2023	18
Aug-2023	18
Sep-2023	18
Oct-2023	18
Nov-2023	18
Dec-2023	18

## Future Production Decline Estimate

Month	Gas Volume
Jan-2024	18
Feb-2024	18
Mar-2024	17
Apr-2024	17
May-2024	17
Jun-2024	17
Jul-2024	17
Aug-2024	17
Sep-2024	17
Oct-2024	17
Nov-2024	17
Dec-2024	17
Jan-2025	17
Feb-2025	16
Mar-2025	16
Apr-2025	16
May-2025	16
Jun-2025	16
Jul-2025	16
Aug-2025	16
Sep-2025	16
Oct-2025	16
Nov-2025	16
Dec-2025	16
Jan-2026	16
Feb-2026	16
Mar-2026	15
Apr-2026	15
May-2026	15
Jun-2026	15
Jul-2026	15
Aug-2026	15
Sep-2026	15
Oct-2026	15
Nov-2026	15
Dec-2026	15

Month	Gas Volume
Jan-2027	15
Feb-2027	15
Mar-2027	15
Apr-2027	14
May-2027	14
Jun-2027	14
Jul-2027	14
Aug-2027	14
Sep-2027	14
Oct-2027	14
Nov-2027	14
Dec-2027	14
Jan-2028	14
Feb-2028	14
Mar-2028	14
Apr-2028	14
May-2028	14
Jun-2028	13
Jul-2028	13
Aug-2028	13
Sep-2028	13
Oct-2028	13
Nov-2028	13
Dec-2028	13
Jan-2029	13
Feb-2029	13
Mar-2029	13
Apr-2029	13
May-2029	13
Jun-2029	13
Jul-2029	13
Aug-2029	13
Sep-2029	13
Oct-2029	12
Nov-2029	12
Dec-2029	12

Month	Gas Volume
Jan-2030	12
Feb-2030	12
Mar-2030	12
Apr-2030	12
May-2030	12
Jun-2030	12
Jul-2030	12
Aug-2030	12
Sep-2030	12
Oct-2030	12
Nov-2030	12
Dec-2030	12
Jan-2031	12
Feb-2031	11
Mar-2031	11
Apr-2031	11
May-2031	11
Jun-2031	11
Jul-2031	11
Aug-2031	11
Sep-2031	11
Oct-2031	11
Nov-2031	11
Dec-2031	11
Jan-2032	11
Feb-2032	11
Mar-2032	11
Apr-2032	11
May-2032	11
Jun-2032	11
Jul-2032	11
Aug-2032	10
Sep-2032	10
Oct-2032	10
Nov-2032	10
Dec-2032	10

Month	Gas Volume
Jan-2033	10
Feb-2033	10
Mar-2033	10
Apr-2033	10
May-2033	10
Jun-2033	10
Jul-2033	10
Aug-2033	10
Sep-2033	10
Oct-2033	10
Nov-2033	10
Dec-2033	10
Jan-2034	10
Feb-2034	10
Mar-2034	10
Apr-2034	9
May-2034	9
Jun-2034	9
Jul-2034	9
Aug-2034	9
Sep-2034	9
Oct-2034	9
Nov-2034	9
Dec-2034	9
Jan-2035	9
Feb-2035	9
Mar-2035	9
Apr-2035	9
May-2035	9
Jun-2035	9
Jul-2035	9
Aug-2035	9
Sep-2035	9
Oct-2035	9
Nov-2035	9
Dec-2035	9

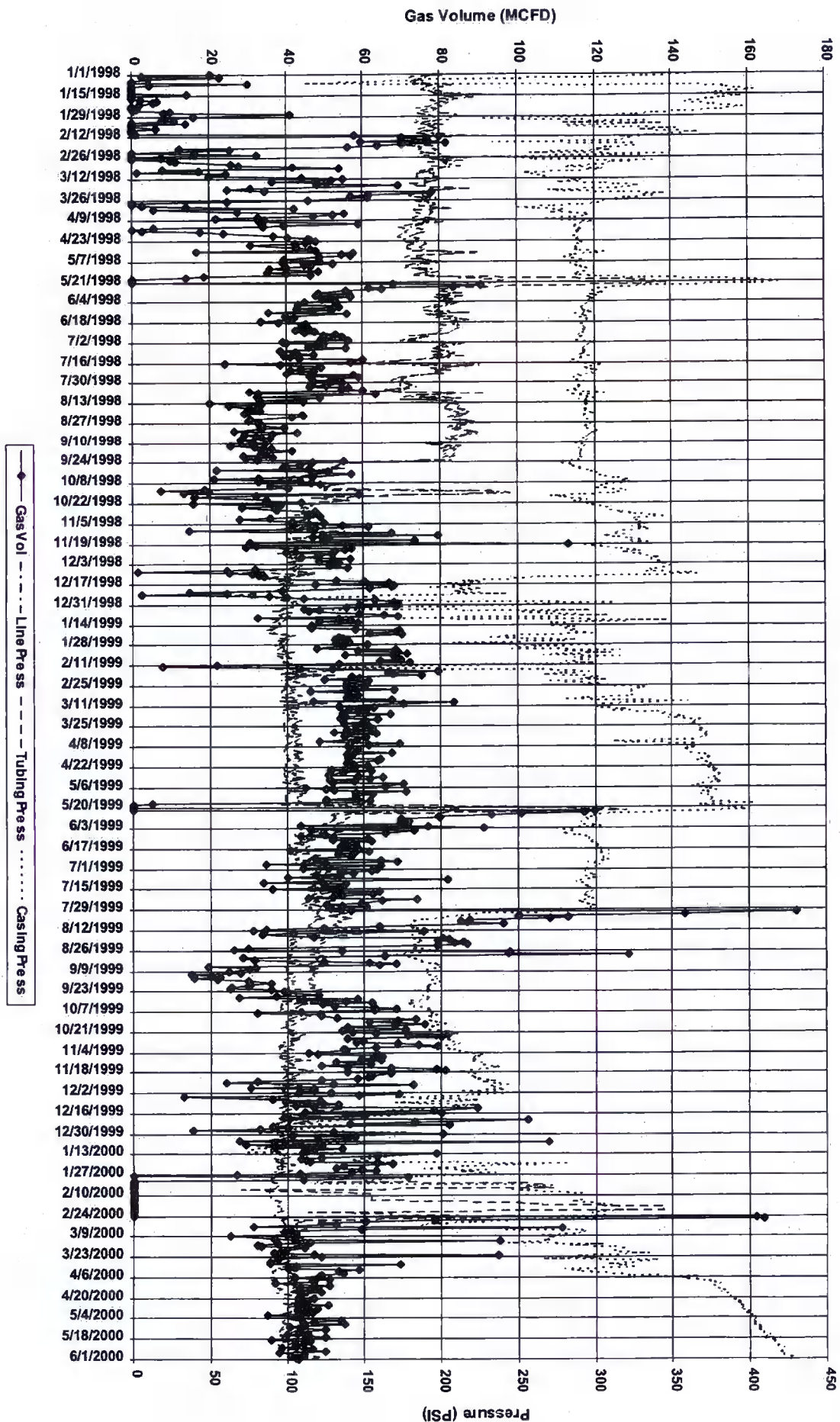
Wellname: STATE GC BF 001E-DK

Flacwell: 84639901

API: 300452623500

Amoco - OIDB/Synergy Data

Daily Well Production



District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
811 South First, Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505  
JAN 2000  
RECEIVED  
OIL CON. DIV  
DIST. 3

Form C-101  
Revised March 17, 1999

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies  
AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address <b>Amoco Production Company</b> P.O. Box 3092 Houston, Texas 77253		OGRID Number <b>000778</b>
Property Code <b>001071</b>		API Number <b>30 - 045-26235</b>
Property Name <b>State Gas Com BF</b>		Well No. <b>1E</b>

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>I</b>	<b>16</b>	<b>29N</b>	<b>09W</b>		<b>1775'</b>	<b>South</b>	<b>915'</b>	<b>East</b>	<b>San Juan</b>

Proposed 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
Proposed Pool 1 <b>Blanco Mesaverde</b>					Proposed Pool 2				

Work Type Code <b>Plug Back</b>	Well Type Code <b>Gas</b>	Cable/Rotary <b>Rotary</b>	Lease Type Code <b>State</b>	Ground Level Elevation <b>5832'</b>
Multiple <b>No</b>	Proposed Depth <b>6575'</b>	Formation <b>Mesaverde</b>	Contractor <b>Aztec</b>	Spud Date <b>02/15/2000</b>

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>12 1/4"</b>	<b>9 5/8"</b>	<b>32.3#</b>	<b>300'</b>	<b>354 CU FT CLS B</b>	<b>Surface C/LR</b>
<b>8 3/4"</b>	<b>7"</b>	<b>20#</b>	<b>2700'</b>	<b>450 CU FT CLS B</b>	<b>Surface C/LR</b>
<b>6 1/4"</b>	<b>4 1/2"</b>	<b>10.5#</b>	<b>6858'</b>	<b>1062 CU FT CLS B</b>	<b>unknown</b>
					<b>1505x 15T 1002x</b>
					<b>250 SY</b>

Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Amoco Production Company request permission to abandon the Basin Dakota formation and recomplete the subject well into the Blanco Mesaverde as per the attached recompletion procedure.

*X GALLUP Plug must BE 150' minimum*

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

Signature:

Printed name: **Mary Corley**

Title: **Sr. Business Analyst**

Date: **01/26/2000**

Phone: **281-366-4491**

OIL CONSERVATION DIVISION

*Charlie Herrin* \*

Approved by:

Title: **DEPUTY OIL & GAS INSPECTOR, DIST. 3**

Approval Date: **JAN 27 2000** Expiration Date:

Conditions of Approval:

Attached ☐

## State GC BF #1E Recompletion Procedure

---

### Procedure:

1. Check anchors. MIRU
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well. If necessary, kill with 2% KCL water.
4. Nipple down WH. NU BOPs.
5. Tally OH with 2-3/8" production tubing set at 6887' Inspect tbn while POOH.
6. TIH with CIBP on tubing. Set CIBP at 6650'. PU and spot 75' cement plug ( approx. 7 cu ft) on top of CIBP. Load hole with 2% KCL.
7. TOH to 5800'. Spot ~~75'~~<sup>150'</sup> cement plug (approx. 7 cu ft) across Gallup. TOH
8. TIH with CIBP. Set CIBP at 4850'.
9. Run CBL over MV interval (3900' - 4800') to ensure zonal isolation across the MV.
10. Pressure test casing to 1500 psi.
11. RIH with perforating guns. Perforate Point Lookout formation (correlate to GR log) 2 spf, 120° phasing.  
Point Lookout Perforations: 4576', 4580', 4592', 4598', 4604', 4606', 4612',  
4616', 4628', 4648', 4650', 4660', 4670', 4622', 4686'
12. RU frac equipment. Use 2% KCL/N2 foam in fracture stimulation.
13. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
14. Flowback frac immediately.
15. RU WL and set CIBP between Point Lookout and Menefee at 4400'.
16. RIH with perforating guns. Perforate Menefee formation (correlate to GR log) 2 spf, 120° phasing.  
Menefee Perforations: 4216', 4224', 4230', 4250', 4265', 4270', 4278', 4284',  
4348', 4358', 4364', 4452', 4458', 4466'
17. RU frac equipment. Use 2% KCL/N2 foam in fracture stimulation.
18. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
19. Flowback frac immediately.
20. RU WL and set CIBP between Menefee and Cliffhouse at 4150'.
21. RIH with perforating guns. Perforate Cliffhouse formation (correlate to GR log) 2 spf, 120° phasing.  
Cliffhouse Perforations: 3964', 3986', 3998', 4004', 4008', 4012', 4020', 4026',  
4033', 4044', 4048', 4076', 4080', 4084'
22. RU frac equipment. Use 2% KCL/N2 foam in fracture stimulation.
23. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
24. Flowback frac immediately.
25. TIH with tubing and bit. Cleanout fill and drill bridge plugs (Do not drill CIBP set at 4850').
26. TIH with 2-3/8" production tubing and land at 4670'.
27. ND BOP's. NU WH. Return well to production.

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

311 South First., Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**DISTRICT IV**

2040 South Pacheco, Santa Fe, NM 87505

**State of New Mexico**

Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**2040 South Pacheco  
Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-045-26235	Pool Code 72319	Pool Name Blanco Measverde
Property Code 001071	Property Name State Gas Com BF	Well Number 1E
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 6858' GR

**Surface Location**

UL or lot no. UNIT I	Section 16	Township 29N	Range 9W	Lot. Idn	Feet from the 1775'	North/South Line SOUTH	Feet from the 915'	East/West Line EAST	County San Juan
-------------------------	---------------	-----------------	-------------	----------	------------------------	---------------------------	-----------------------	------------------------	--------------------

**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
Dedicated Acreage: E 320 ✓		Joint or Infill		Consolidation Code		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**

			<b>OPERATOR CERTIFICATION</b>		
			I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief		
			Signature		
			Printed Name <b>MARY CULEY</b>		
Position <b>Sr. Business Analyst</b>		Date <b>01/26/2000</b>		<b>SURVEY CERTIFICATION</b>	
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.		Date of Survey <b>01/08/1985</b>		Signature & Seal of Professional Surveyor	
				<b>Gary D. Vann</b>	
		Certificate No. <b>7016</b>			

# State GC BF #1E

Sec 16, T29N, R9W

GL: 5823'

## History:

Completed in 5/85  
- max deviation = 2-1/2 deg.  
- 6-1/4" OH drilled with air  
without problems

## Original Dakota Perfs

6676' - 6690', 4 spf  
6760' - 6776', 4 spf  
6850' - 6900', 4 spf

PBTD: 6906'

est. TOC @ surface (circ)

9-5/8" 36#, K55 LT&C @ 339'  
295 cf cmt (circ)

est. TOC @ surface (circ)

7" 20#, J55, ST&C @ 2690'  
594 cf cmt (circ)

est. TOC @ surface (circ)

Tubing: 2-3/8" 4.7#, J55 @ 6887'

4-1/2", 11.6#, K55, LT&C @ 6913'  
1309 cf cmt (circ)

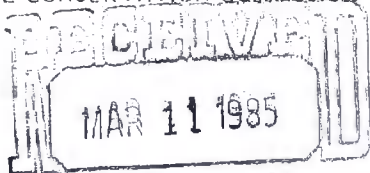
## Notes:

- no cementing info in wellfiles
- fluid level at 5980' (12/30/99)
- Fill at 6939' (12/30/99 SL run)

updated: 11/9/99 jad

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NEW MEXICO OIL CONSERVATION COMMISSION



OIL CONSERVATION DIV.

30-045-26235

Form C-191  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE ☐ FEL ☒ XX  
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

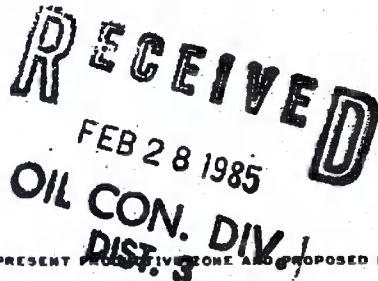
Type of Work  
Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐  
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐  
Name of Operator Amoco Production Co.  
Address of Operator 501 Airport Drive. Farmington, NM 87401  
Location of Well UNIT LETTER I LOCATED 1775 FEET FROM THE South LINE 915 FEET FROM THE East LINE OF SEC. 16 TWP. 29N RGE. 9W NMPM  
7. Unit Agreement Name  
8. Farm or Lease Name State Gas Com "BF"  
9. Well No. 1E  
10. Field and Pool, or Wildcat Basin Dakota  
12. County San Juan  
19. Proposed Depth 6858' 19A. Formation Dakota 20. Rotary or C.T. Rotary  
Elevations (Show whether DF, RT, etc.) 5832' GR 21A. Kind & Status Plug. Bond Statewide 21B. Drilling Contractor Unknown 22. Approx. Date Work will start As soon as permitted

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	9-5/8"	32.3#, H-40	300'	354 Cu ft	Class B
8-3/4"	7"	20#, K-55	2700'	450 Cu ft	Class B
6-1/4"	4-1/2"	10.5#, K-55	6858'	1062 cu ft	Class B

Amoco proposes to drill the above well to further develop the Basin Dakota reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is dedicated to El Paso Natural Gas under contract No. 56742.

APPROVAL EXPIRES 8-28-85  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.



ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

By B.D. Shaw Title Adm. Supervisor Date 2-22-85

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE FEB 28 1985

CONDITIONS OF APPROVAL, IF ANY:

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-102  
Revised 10-1-78

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

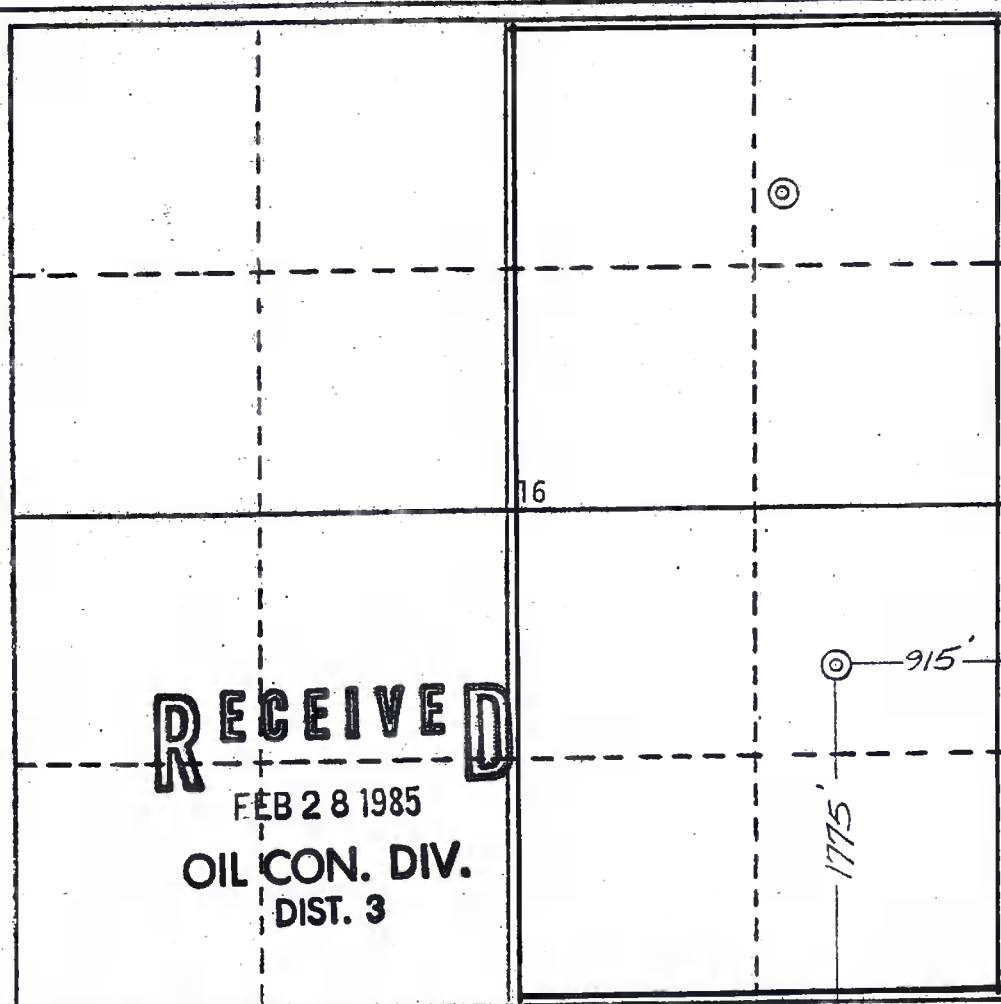
Operator AMOCO PRODUCTION COMPANY			Lease STATE GAS COM BF		Well No. 1E
Unit Letter I	Section 16	Township 29 N	Range 9 W	County San Juan	
Actual Footage Location of Well: 1775 feet from the SOUTH line and 915 feet from the EAST line					
Ground Level Elev. 5832	Producing Formation Dakota	Pool Basin Dakota		Dedicated Acreage: 320	Acres

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

☒ Yes ☐ No If answer is "yes," type of consolidation Communitized

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

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



## CERTIFICATION

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

*B.D. Shaw*

Name

B.D. Shaw

Position

ADM. Supervisor

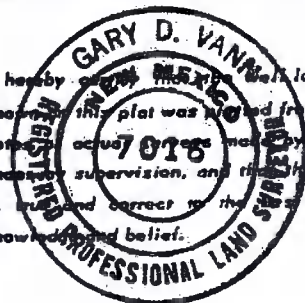
Company

APC

Date

2-22-85

I hereby certify that the well location shown on this plat was plotted from field notes actually made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Date Surveyed

January 8, 1985

Registered Professional Engineer  
and/or Land Surveyor

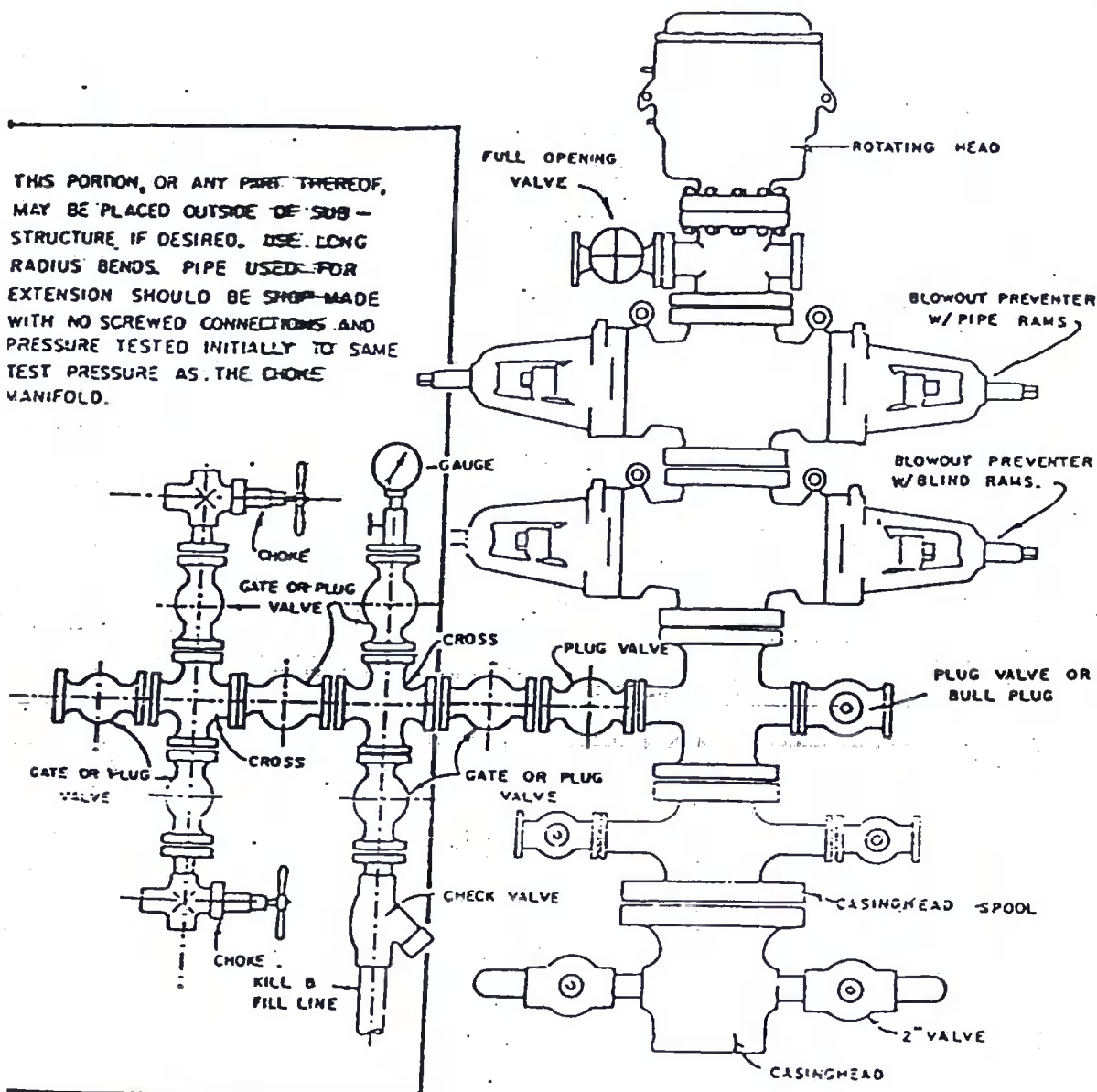
*G.D. Vann*  
Gary D. Vann

Certificate No.

7016

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

1. Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
4. All fittings to be flanged.
5. Omsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.



## BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT D-4

OCTOBER 16, 1955

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.

Submit 5 Copies  
Appropriate District Office  
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

State of New Mexico  
Energy, Minerals and Natural Resources Department  
OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

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'90 AUG 22 AM 11 27

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator AMOCO PRODUCTION COMPANY	Well API No. 300452623500
Address P.O. BOX 800, DENVER, COLORADO 80201	
Reason(s) for Filing (Check proper box) New Well <input type="checkbox"/> Change in Transporter of: Recompletion <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Change in Operator <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input checked="" type="checkbox"/> Other (Please explain) <input type="checkbox"/>	
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE

Lease Name STATE GAS COM BF	Well No. 1E	Pool Name, including Formation BASIN DAKOTA (PRORATED GAS)	Kind of Lease State, Federal or Fee	Lease No.
Location Unit Letter I : 1775 Feet From The FSL Line and 915 Feet From The FEL Line Section 16 Township 29N Range 9W, NMPM, SAN JUAN County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil MERIDIAN OIL INC.	<input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) 3535 EAST 30TH STREET, FARMINGTON, CO 87401				
Name of Authorized Transporter of Casinghead Gas EL PASO NATURAL GAS COMPANY	<input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P.O. BOX 1492, EL PASO, TX 79978				
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When?

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

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.	MCF

GAS WELL

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

VI. OPERATOR CERTIFICATE OF COMPLIANCE

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

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

OIL CONSERVATION DIVISION

Date Approved JUL 11 1990  
By  
SUPERVISOR 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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TRANSPORTER	OIL
OPERATOR	GAS
PROMOTION OFFICE	

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

Form C-104  
Revised 10-01-78  
Format 05-01-83  
Page 1

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator Amoco Production Co.		RECEIVED JUN 14 1985 OIL CON. DIV. DIST. 3
Address 501 Airport Drive, Farmington, N M 87401		
Reason(s) for filing (Check proper box)		
<input checked="" type="checkbox"/> New Well <input type="checkbox"/> Recompletion <input type="checkbox"/> Change in Ownership	Change in Transporter of: <input type="checkbox"/> Oil <input type="checkbox"/> Casinghead Gas	<input type="checkbox"/> Dry Gas <input type="checkbox"/> Condensate

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name State Gas Com BF	Well No. 1E	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee	Lease No. Fee
Location Unit Letter <u>I</u> , <u>1775</u> Feet From The <u>South</u> Line and <u>915</u> Feet From The <u>East</u>				
Line of Section <u>16</u> Township <u>29N</u> Range <u>9W</u> , NMPM, <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Permian Corporation	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1702, Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 990, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Unit   Sec.   Twp.   Rge.   Is gas actually connected?   When
	I   16   29N   9W   No

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.

BDS Shaw

(Signature)

Adm. Supervisor

(Title)

6-7-85

(Date)

OIL CONSERVATION DIVISION

JUN 14 1985

APPROVED \_\_\_\_\_

BY \_\_\_\_\_

Original Signed by FRANK T. CHAVEZ

TITLE \_\_\_\_\_

SUPERVISOR DISTRICT # 3

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

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

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

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

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

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

## NOTICE OF GAS CONNECTION

DATE SEPTEMBER 24, 1985

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

GAS FROM AMOCO PRODUCTION CO  
OperatorSTATE GAS COM BF #1-E  
Well Name95-366-01

Meter Code

75066-51

Site Code

I

Well Unit

16-29-9

S-T-R

BASIN DAKOTA

Pool

EL PASO NATURAL GAS CO.

Name of Purchaser

WAS MADE ON August 29, 1985  
DateFIRST DELIVERY September 11, 1985  
DateAOF 6965CHOKE 5082EL PASO NATURAL GAS CO.

Purchaser

Representative

Title

xc: OPERATOR  
OIL CONSERVATION COMMISSION - (2)  
PRODUCTION CONTROL - El Paso  
LEASE DEVELOPMENT - El Paso  
CONTRACT ADMINISTRATION - El Paso

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DIST. 3

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

Form C-103  
Revised 10-1-78

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OPERATOR	

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. E-5314
7. Unit Agreement Name
8. Farm or Lease Name State Gas Unit BF
9. Well No. 1
10. Field and Pool, or Wildcat Basin Dakota
12. County San Juan

**SUNDY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR TO REFRAC A WELL. USE "APPLICATION FOR PERMIT" IF FORM C-1011.)

OIL WELL ☐ GAS WELL ☒ OTHER ☐

Name of Operator  
Amoco Production Co.

Address of Operator  
501 Airport Drive, Farmington, N M 87401

Location of Well  
UNIT LETTER A 940 FEET FROM THE North LINE AND 1190 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 29N RANGE 9W NMPM.

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OIL CONSERVATION DIVISION  
SANTA FE

15. Elevation (Show whether DF, RT, GR, etc.)  
5878 (RDB)

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPERATIONS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
WELL OR ALTER CASING <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Deepen well to lower Dakota & frac	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Amoco Production Company requests approval to deepen the above reference well approximately 95 feet to frac and complete the lower Dakota open hole.  
See attached procedure.

**RECEIVED**  
JUN 14 1985  
OIL CON. DIV.  
DIST. 3

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

SIGNED BDS Shaw TITLE Adm. Supervisor DATE 6/6/85

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT #1 DATE JUN 14 1985

CONDITIONS OF APPROVAL, IF ANY:

FARMINGTON DISTRICT WORKOVER

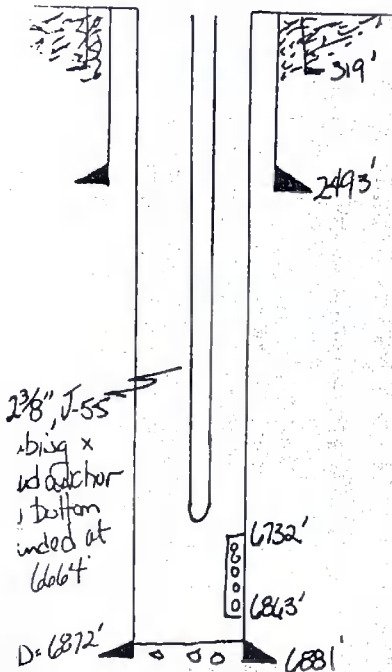
DATE: June 4, 1984

OPERATIONS TO BE PERFORMED: (CIRCLE ONE) RECOMPLETION REPAIR SERVICE  
 LEASE AND WELL State Gas Com BF No. 1 FIELD Brown Dakota  
 FORMATION Dakota LOGS Induction - GR; Newton - GR  
 LOCATION 940' TALL X 190' FEI, Section 16, T29N, R9W, San Juan Co., NM  
 COMP. DATE 1/28/65 EL: 5878' KB TD: 6881 PBD: 6872  
 CSG: 10 3/4" 32.75 # H-40 @ 319' 4 1/2" 12.5 # J-55 @ 6881'  
 COMP. INT. 7 3/8" 24' 6732' - 6863' ORIG. STIM. 81,000 gals w/ 70,000 lbs SUD  
 IP 1800 MCFD CURRENT PROD. INT. Same

PURPOSE: Deepen well to lower Dakota and Frac  
 \* Note: Please visit x Duschoff and Bob Pauds before starting work

TKA TWE GOM 6/PERMITTING DESK MCH  
 BJW BWS ENG DNE  
 RGH  
 BYD  
 GMK

WELLBORE SKETCH



PROCEDURE

- Stimulation: Downell
1. MI x RUSU; NO WELLHEAD, NUL COP
  2. LATCH ONTO TUBING, trip down, and tag PBD. Attempt to establish circulation down tubing and up annulus with 2% KCL WATER. If circulation can be established, we will DRILL OUT APPROXIMATELY 95 feet below GUIDE SHOE WITH A DIAMOND BIT (SEE NOTE 4) and 2% KCL WATER IF CIRCULATION CANNOT BE ESTABLISHED, WE WILL DRILL OUT WITH A BUTTON BIT WITH N2 x AIR. When drilling out with a BUTTON BIT AND N2 x AIR on the W.D. HEATH A No. 8E, we made about 10' / day. We hope to do better than that using a diamond bit and 2% KCL water.
  3. TO x tubing. T1 x 2 7/8 inch WORK STRINGS AND BIT determined in step 2 above. Have several joints of drill collars as END OF TUBING. Drill out 120' below guide shoe.
  4. Rig up Blue jet, and run GRCL through open hole to 6880'.

DISTRICT MANAGER W.G. H. H.  
 DISTRICT ENGINEER Jim Anderson  
 DISTRICT FOREMAN W. H. Cannon  
 ENGINEER W. H. Cannon  
 DATE 6-5-85  
 ENGSPE

5. TL x Packer AND 2 7/8 inch frac string Trip in to 6875 feet and set a 60 lb crosslinked gel plug across upper perf to control sand entry if communication during frac occurs. Set packer and frac down 2 7/8 inch tubing and packer with 100,000 gallons 40 lb crosslinked gel water and 77,500 lb 20-40 mesh Brady sand. Job Pump RATE will be 15 bpm. Closely monitor backside pressure for annular communication through upper perfs. If communication occurs, shut down immediately and trip out.

#### Pump Schedule

Liquid Vol (GAL/BOG)	Surge Vol (GAL/BOG)	Stage	Sand Conc PPG	RATE (bpm)
7,500/1369	57,500/1369	1	0	15
5,000/119	5114/122	2	.5	15
5,000/119	5228/124	3	1	15
7,500/176	8012/191	4	1.5	15
12,500/298	13638/325	5	2.0	15
7,500/176	8353/197	6	2.5	15
5,000/119	5683/135	7	3.0	15
1671/40	671/40	8	FLUSH	15

6. Shut-in well overnight plus 24 hours. TI for sucker bar and tag for fill. If no fill is present, TO x by x packer. If fill is encountered, you may have to clean out with a coiled tubing with TIS tubing, SW, and sawtooth collar, sub well in and clean out fill. Co open hole if necessary. When well is cleaned up, put back down salesline.

- Notes -

1. DISCONNECT CATHODIC protection and automation equipment before moving on location.
2. Burst as casing = 3800 psi  
" " 2 7/8" tubing = 5808 psi (J-55), 8500 psi (N-80)  
" " 2 3/8" tubing = 6200 psi
3. Expected treating pressure will be 5200 - 8200 psi
4. Recommended diamond bit for drilling out is a Norton Christianson MD 23, Set x 8 stones per carat and SP stones. The diamonds should be ridge set for durability and the bit should have a Crews foot. A bit hand should be requested to help run the bit.
5. We will try to complete the lower Dakota open hole. We will probably have to run several times to clean out the open hole. If the open hole does not stay clean, we will have to run a liner. Keep me posted.
6. Use filtered 2 percent KCL water for everything (1 micron). If city water is used, don't filter.
7. Please check
  1. Sieve analysis
  2. Gel viscosity of 40/6 unconsolidated gel should be 38 cp at 300 rpm at 60°F (6 cp tolerance on this)
  3. use 20-40 mesh body sand
  4. Steam clean all flow tanks

8. Record BLWTR and BLWR.

9. Total job rate is 15 BPM

10. If shutdown occurs during DAO, add 10 bbls frac flow for every minute of shutdown and resume job.

11. Keep tubing near bottom as possible.

100 PSI

3000 PSI

3000 PSI

GRANITE 521

6678

6700

GRANITE 120

6754

Well completed

Flow x 30,826 gal/min  
Gross flow 10,000 x  
D.C. J-2 100,000 gal x  
20,000 100,000 40,000 x  
70,000 100,000 30,000  
02 15000 TRT 30000  
Avg TRT 31500 TRT 44500  
IS 100 10000 x 5000 5000  
H110 30500

12' 00'  
450F

68

GRANITE 521

6846

Flow x 35,150 gal/min  
Flow 35,150 x 30,000 10  
20 40,000 x 10,000 10,000  
800 1000 TRT 3000  
Avg TRT 3000 TRT 3000  
IS 100 1000 x 5000 5000  
H110 30500

5' 00'  
450F

5' 00'  
450F

5' 00'  
450F

6822

6800

6881

6870

074  
NM OGD, Aztec

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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**  
JUN 14 1985  
OIL CON. DIV.  
DIST. 3

Operator moco Production Co.	
Address 01 Airport Drive, Farmington, N M 87401	
Reason(s) for filing (Check proper box)	Other (Please explain)
<input checked="" type="checkbox"/> New Well <input type="checkbox"/> Recompletion <input type="checkbox"/> Change in Ownership	Change in Transporter of: <input type="checkbox"/> Oil <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Dry Gas <input type="checkbox"/> Condensate

change of ownership give name  
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name state Gas Com BF	Well No. 1E	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee Fee	Lease No.
Location Unit Letter I ; 1775 Feet From The South Line and 915 Feet From The East Line of Section 16 Township 29N Range 9W NMPM, San Juan County				

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> ermian Corporation	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1702, Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> 1 Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 990, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. I 16 29N 9W
Is gas actually connected?	When No

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.

I. CERTIFICATE OF COMPLIANCE

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.

BDS Shaw

(Signature)

Adm. Supervisor

(Title)

6-7-85

(Date)

OIL CONSERVATION DIVISION

**RECEIVED**  
JUN 14 1985

APPROVED

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 allow-  
able on new and recompleted wells.

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

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

#### IV. COMPLETION DATA

Designate Type of Completion -- (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
			X	X					
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
4-9-85	5-2-85		6914'			6906'			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
5832' GR	Dakota		6676'			6887'			
Perforations						Depth Casing Shoe			
6676'-6690', 6760'-6776', 6850'-6900'						6914'			
<b>TUBING, CASING, AND CEMENTING RECORD</b>									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT			
12-1/4"	9-5/8", 36#, K55		339'			295 cf			
8-3/4"	7", 20#, K55		2690'			594 cf			
6-1/4"	4-1/2", 11.6#, K55		6913'			1463 cf			
	2-3/8"		6887'						

#### V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

#### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
5082	3 hrs.		
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
Back pressure	1865 psig	1895 psig	.75"

0 + 4 MINUCD  
Artec

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Form C-105  
Revised 11-1-84

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED  
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OIL CONSERVATION DIVISION  
SANTA FE

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JUN 14 1985  
OIL CON. DIV.  
DIST. 3

5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name State Gas Com BF
9. Well No. 1E
10. Field and Pool, or Wildcat Basin Dakota
12. County San Juan
19. Elev. Casinghead 5832' GR
25. Was Directional Survey Made Yes
27. Was Well Cored No

1. TYPE OF WELL	2. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>
Name of Operator Amoco Production Co.	
Address of Operator 501. Airport Drive, Farmington, N M 87401	
Location of Well	

IT LETTER I LOCATED 1775 FEET FROM THE South LINE AND 915 FEET FROM  
E. East LINE OF SEC. 16 TWP. 29N RGE. 9W NMPM

14. Date Spudded 4-9-85	16. Date T.D. Reached 4-16-85	17. Date Compl. (Ready to Prod.) 5-2-85	18. Elevations (DF, RKB, RT, GR, etc.) 5845' KB
1. Total Depth 6914'	21. Plug Back T.D. 6906'	22. If Multiple Compl., How Many Single	23. Intervals Drilled By Rotary Tools 0-TD

1. Producing Interval(s), of this completion - Top, Bottom, Name  
6676'-6900' Dakota

2. Type Electric and Other Logs Run  
FDL-SNL-GR-CAL, DIL-GR

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#, K55	339'	12-1/4"	295 cf Class B	
7"	20#, K55	2690'	8-3/4"	476 cf Class B Portland and tailed in	
				with 118 cf Class B Portland	
4-1/2"	11.6#, K55	6913'	6-1/4"	1309 cf Class B 50:50	poz and (over)

LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	6887'	

Perforation Record (Interval, size and number) 6676'-6690', 6760'-6776', 4 jspf, .50" in diameter, total of 120 holes. 6850'-6900', 4 jspf, .50" in diameter for a total of 200 holes.	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
	DEPTH INTERVAL
	AMOUNT AND KIND MATERIAL USED
6676'-6776'	70,000 gal 70 quality foam and 105,000 # 20-40 sand.
6850'-6900'	70,000 gal 30# crosslinked gel and 75,000 #20-40 sand.

1. First Production 5-8-85		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Shut-in	
2. Date of Test 5-9-85	Hours Tested 3 hrs.	Choke Size .75"	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF 635	Water - Bbl.	Gas - Oil Ratio
3. Flow Tubing Press. 410 psig	Casing Pressure 1105 psig	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF 5082	Water - Bbl.	Oil Gravity - API (Corr.)	
4. Disposition of Gas (Sold, used for fuel, vented, etc.) To be sold						Test Witnessed By Bryan Services	

5. List of Attachments  
None

6. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED BDS Shaw TITLE Adm. Supervisor DATE 6-7-85

28. tailed in with 154' cf Class B 50:50 poz.

**INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE**

## Northwestern New Mexico

OIL OR GAS SANDS OR ZONES

## IMPORTANT WATER SANDS

No. 1, from ..... to ..... feet. ....

No. 2, from ..... to ..... feet. ....

No. 3, from ..... to ..... feet. ....

No. 4, from ..... to ..... feet. ....

From	To	Thickness in Feet	Formation
			Ojo Alamo Fruitland Pictured Cliffs Cliffhouse Menefee Point Lookout Gallup Greenhorn Dakota

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-76

**SUNDRY NOTICES AND REPORTS ON WELLS**

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

OIL WELL ☐ GAS WELL ☒ OTHER ☐

Name of Operator

Amoco Production Co.

Address of Operator

501 Airport Drive, Farmington, N M 87401

Location of Well

UNIT LETTER I 1775 FEET FROM THE South LINE AND 915 FEET FROM  
THE East LINE, SECTION 16 TOWNSHIP 29N RANGE 9W NMPM.

15. Elevation (Show whether DF, RT, CR, etc.)

5832' GR

3a. Indicate Type of Lease

State ☐

Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

State Gas Com BF

9. Well No.

1E

10. Field and Pool, or Wildcat

Basin Dakota

12. County

San Juan

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

REPAIR REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

REPAIR OR ALTER CASING ☐

OTHER ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

REMEDIAL WORK ☐

COMMENCE DRILLING OPERATIONS ☐

CASING TEST AND CEMENT JOBS ☐

OTHER Completion ☒

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1503.

Moved in and rigged up service unit on 4-18-85. Total depth of the well is 6914' and plugback depth is 6906'. Pressure tested production casing to 4200 psi for 30 minutes. Perforated the following intervals: 6850'-6900', 4 jspf, .50" in diameter, for a total of 200 holes. Fraced interval 6850'-6900' with 70,000 gal 30# crosslinked gel and 75,000 # 20-40 mesh brady sand. Perforated the following intervals: 6676'-6690', 4 jspf, .50" in diameter, for a total of 120 holes. Fraced interval 6676'-6776' with 70,000 gal of 70 quality foam and 105,000 # 20-40 mesh brady sand.

Landed 2-3/8" tubing at 6887' and released the rig on 5-2-85.

**RECEIVED**

MAY 28 1985

OIL CON. DIV.  
DIST. 3

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

BDS Shany

TITLE Adm. Supervisor

DATE 5-22-85

SUPERVISOR DISTRICT 11

MAY 28 1985

COPIES OF APPROVAL, IF ANY:

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL 5-3-85

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Special		Test Date 5-9-85		Flac	
Company Amoco Production Co.		Connection El Paso Natural Gas Co.		846399-01-2	
Pool Basin		Formation Dakota		Unit	
Completion Date 5-3-85		Total Depth 6914		Plug Back TD 6868	
				Elevation 5832 GR	
				Farm or Lease Name State Gas Com "BF"	
Ceq. Size 4.500		Wt. 11.6		d 4.000	
				Set At 6914	
				Perforations: From 6676 To 6900	
Tbg. Size 2.375		Wt. 4.7		d 1.995	
				Set At 6888	
				Perforations: From Open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F	
				Baro. Press. - P <sub>a</sub>	
				State NM	
L		H		G <sub>g</sub>	
				% CO <sub>2</sub>	
				% N <sub>2</sub>	
				% H <sub>2</sub> S	
				Prover	
				Meter Run	
				Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 days						1865		1895		
1.	2.375		.750				410		1105		3 hrs
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1	12.365		422	1.000	.9258	1.052	5082
2.							
3.							
4.							
5.							

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

P <sub>c</sub> 1907    P <sub>c</sub> <sup>2</sup> 3636649				(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.5223$		(2) $\left[ \frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.3705$	
NO.	P <sub>t</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - R <sub>w</sub> <sup>2</sup>			
1		1117	1247689	2388960			
2							
3							
4							
5							

Absolute Open Flow 6965 _____ Mcfd @ 15.025				Angle of Slope $\theta$ _____		Slope, n .75	
Remarks: flared, lite condensate, lite H <sub>2</sub> O							
Approved By Division		Conducted By: Bryan Services		Calculated By: J. J. Barnett		Checked By:	

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

Form C-103  
Revised 10-1-78

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5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name	
State Gas Com BF	
9. Well No.	
1E	
10. Field and Pool, or Withcom	
Basin Dakota	
12. County	
San Juan	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☐ GAS WELL ☒ OTHER ☐

Name of Operator

Amoco Production Co.

Address of Operator

501 Airport Drive, Farmington, N M 87401

Location of Well

UNIT LETTER I 1775 FEET FROM THE south LINE AND 915 FEET FROM THE east LINE, SECTION 16 TOWNSHIP 29N RANGE 9W NMPM.

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

5832'GR

12. County

San Juan

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
WILL OR ALTER CASING ☐  
OTHER ☐

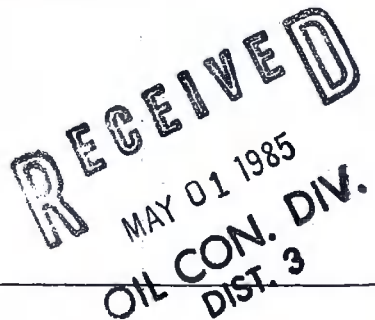
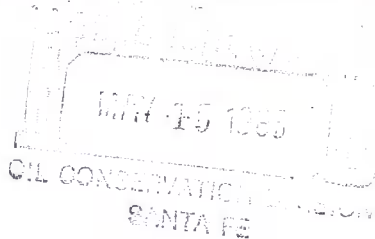
PLUG AND ABANDON ☐  
CHANGE PLANS ☐  
OTHER ☐

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOBS ☐  
OTHER Spud and Set Casing ☒

ALTERING CASING ☐  
PLUG AND ABANDONMENT ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Spud a 12-1/4" hole on 4/9/85. Drilled to 339'. Set 9-5/8", 36#, K55 Casing at 339' and cemented with 295 cu.ft. Class B. Circulated cement to surface. Pressure tested casing to 1000 psi for 30 minutes. Drilled an 8-3/4" hole to 2690'. Set 7", 20#, K55 intermediate casing at 2690'. Cemented with 476 cu.ft. Class B Portland and tailed in with 118 cu.ft. Class B Portland. Circulated cement to surface. Drilled a 6-1/4" hole to a TD of 6914'. Set 4-1/2", 11.6#, K55 casing at 6913'. Cemented with 1309 cu.ft. Class B 50:50 poz and tailed in with 154 cu.ft. Class B 50:50 poz. Circulated cement to surface. No DV tool was set and the rig was released on 4/17/85.



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

ED BDS Shaw

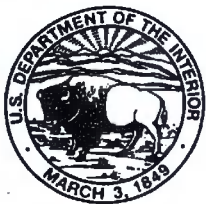
TITLE Adm. Supervisor

DATE 4/29/85

OVER BY [Signature]  
CONDITIONS OF APPROVAL, IF ANY:

TITLE SUPERVISOR DISTRICT # 3

DATE MAY 01 1985



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

New Mexico State Office

1474 Rodeo Rd.

P.O. Box 27115

Santa Fe, New Mexico 87502-0115

TAKE  
PRIDE IN  
AMERICA

IN REPLY REFER TO:

3160 (921)

NGPA Location: 435 Montano Road NE, Albuquerque, NM 87107-4935

CERTIFIED MAIL NO. P 071 878 823  
RETURN RECEIPT REQUESTED

July 26, 1993

Marilyn L. Rand, Director  
Division of Producer Regulation  
Federal Energy Regulatory Commission  
825 North Capitol Street NE  
Washington, DC 20426

Dear Ms. Rand:

This jurisdictional agency hereby designates the Mesaverde formation underlying the following described lands in the Blanco Mesaverde Area of the Blanco Mesaverde Pool located in San Juan and Rio Arriba Counties, New Mexico, as a tight formation, BLM Docket No. NM-1813-92, under Section 107 of the NGPA:

Township 27 North, Range 7 West, NMPM

Sections 1 through 12: All  
Section 15: W 1/2  
Sections 16 through 21: All  
Section 22: W 1/2  
Section 27: NW 1/4  
Section 28: N 1/2  
Sections 29 and 30: All

Township 27 North, Range 8 West, NMPM

Sections 1 through 36: All

Township 28 North, Range 7 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 28 North, Range 8 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 28 North, Range 9 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 28 North, Range 10 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 29 North, Range 7 West, NMPM

Sections 1 through 36: All

Township 29 North, Range 8 West, NMPM

Sections 1 through 36: All

Township 29 North, Range 9 West, NMPM  
Sections 1 through 36: All

Township 29 North, Range 10 West, NMPM  
Sections 1 through 36: All

Township 29 North, Range 11 West, NMPM  
Sections 1 through 36: All

Township 30 North, Range 7 West, NMPM  
Sections 1 through 36: All

Township 30 North, Range 8 West, NMPM  
Sections 1 through 36: All

Township 30 North, Range 9 West, NMPM  
Sections 1 through 36: All

Township 30 North, Range 10 West, NMPM  
Sections 1 through 36: All

Township 30 North, Range 11 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 6 West, NMPM  
Sections 6 and 7: All  
Sections 18, 19 and 30: All

Township 31 North, Range 7 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 8 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 9 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 10 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 11 West, NMPM  
Sections 1 through 36: All

Township 32 North, Range 10 West, NMPM  
Sections 1 through 36: All

Township 32 North, Range 11 West, NMPM  
Sections 1 through 36: All

The total area encompasses 480,076 acres, more or less, occupying 750 square miles of the north central San Juan Basin located in San Juan and Rio Arriba Counties, New Mexico. The designated area consists of 78.68% Federal, 0.33% Navajo Allotted, 12.08% State and 8.91% Fee Lands.

The applicant is Amoco Production Company, Southern Rockies Business Unit, P. O. Box 800, Denver, Colorado 80201. The application was prepared by Rose Exploration, Inc., 518 17th Street, Suite 740, Denver, Colorado 80202.

Existing Federal and State of New Mexico Regulations administered by the U.S. Bureau of Land Management and the New Mexico Oil Conservation Division relating to drilling, casing, and cementing of wells are in effect to help assure that development of the Mesaverde formation will not adversely affect or impair any fresh water aquifers.

The estimated average in-situ gas permeability, throughout the pay section, is expected to be 0.1 millidarcy or less.

The stabilized production rate, against atmospheric pressure, of wells completed for production in the Mesaverde formation, without stimulation, is not expected to exceed the maximum production rate contained in the FERC tight formation guidelines.

No well drilled into the designated tight formation is expected to produce, without stimulation, more than five barrels of crude oil per day.

The formation has been authorized to be developed by infill drilling. This incentive no longer applies as the purpose of this tight formation area designation is to obtain IRS Section 29 tax credits.

The applicant does not seek to qualify gas produced from the tight formation for the incentive price.

Evidence was presented by the applicant to the BLM and the New Mexico Oil Conservation Division. The exhibits and other documentation are enclosed. The BLM Tight Formation Review and Technical Report is enclosed.

Included with this designation is a letter dated July 26, 1993, from the Chief Hearing Officer/Engineer, New Mexico Oil Conservation Division signifying their concurrence with this designation.

It is requested that this jurisdictional agency be advised in writing when the 45 day review period will end and the appropriate FERC State No. (NM-\_\_) assigned to this tight formation be included.

Persons objecting to this determination may file a protest directly with the Federal Energy Regulatory Commission, in accordance with 18 CFR Part 275.203 and 275.204, within 20 days after the notice is published in the Federal Register by the FERC.

If you have any questions please contact Allen F. Buckingham at (505) 761-8765 or FAX (505) 761-8911.

Sincerely yours,

  
for Deputy State Director  
Lands and Minerals

Enclosures

cc:

Amoco Production Company (J. W. Hawkins) (w/BLM Tech Rept)  
Rose Exploration, Inc. (Mike Wynne) (w/BLM Tech Rept)  
New Mexico Oil Conservation Div. (Michael Stogner) (w/BLM Tech Rept)  
NM-921 (Steve Salzman)  
NM-011 (Tom Hewitt/NGPA Liaison)

on non-Federal residential buildings are also relevant to a building energy standard for Federal residences because the comments address issues of feasibility and cost-effectiveness. These and any future comments on the non-Federal residential standards will be given serious consideration for potential applicability to the Federal residential standard development required by the Energy Policy Act of 1992.

Issued in Washington, DC August 5, 1993.  
Robert L. San Martin,  
Acting Assistant Secretary, Energy Efficiency  
and Renewable Energy.  
[FR Doc. 93-19409 Filed 8-11-93; 8:45 am]  
BILLING CODE 5540-01-P

# Federal Energy Regulatory Commission

[Docket No. JD93-13529T New Mexico-48]

United States Department of the  
Interior, Bureau of Land Management;  
NGPA Notice of Determination by  
Jurisdictional Agency Designating  
Tight Formation.

August 6, 1993.

Take notice that on July 30, 1993, the United States Department of the Interior's Bureau of Land Management (BLM) submitted the above-referenced notice of determination pursuant to § 271.703(c)(3) of the Commission's regulations, that the Mesaverde Group underlying certain lands in the Blanco Mesaverde Area of the Blanco Mesaverde Pool in San Juan and Rio Arriba Counties, New Mexico, qualifies as a tight formation under section 107(b) of the Natural Gas Policy Act of 1978. The area of application covers approximately 480,076 acres, more or less, and consists of 78.68% Federal, 0.33% Navajo Allotted, 12.08% State and 8.91% Fee Lands. The recommended area is described on the attached appendix.

The notice of determination also contains BLM's and the New Mexico Department of Energy, Minerals and Natural Resources' findings that the referenced portion of the Mesaverde Group meets the requirements of the Commission's regulations set forth in 18 CFR part 271.

The application for determination is available for inspection, except for material which is confidential under 18 CFR 275.206, at the Federal Energy Regulatory Commission, 825 North Capitol Street, NE., Washington, DC 20426. Persons objecting to the determination may file a protest, in accordance with 18 CFR 275.203 and

275.204, within 20 days after the date this notice is issued by the Commission.  
Linwood A. Watson, Jr.,  
Acting Secretary.

## Appendix

TOWNSHIP 27 NORTH, RANGE 7 WEST  
Sections 1-12: All  
Section 15: W/2  
Sections 16-21: All  
Section 22: W/2  
Section 27: NW/4  
Section 28: N/2  
Sections 29-30: All  
TOWNSHIP 27 NORTH, RANGE 8 WEST  
Sections 1-36: All  
TOWNSHIP 28 NORTH, RANGE 7 WEST  
TOWNSHIP 28 NORTH, RANGE 8 WEST  
TOWNSHIP 28 NORTH, RANGE 9 WEST  
TOWNSHIP 28 NORTH, RANGE 10 WEST  
Sections 7-36: All (Irregular Township)  
TOWNSHIP 29 NORTH, RANGE 7 WEST  
TOWNSHIP 29 NORTH, RANGE 8 WEST  
TOWNSHIP 29 NORTH, RANGE 9 WEST  
TOWNSHIP 29 NORTH, RANGE 10 WEST  
TOWNSHIP 29 NORTH, RANGE 11 WEST  
TOWNSHIP 30 NORTH, RANGE 7 WEST  
TOWNSHIP 30 NORTH, RANGE 8 WEST  
TOWNSHIP 30 NORTH, RANGE 9 WEST  
TOWNSHIP 30 NORTH, RANGE 10 WEST  
TOWNSHIP 30 NORTH, RANGE 11 WEST  
Sections 1-36: All  
TOWNSHIP 31 NORTH, RANGE 6 WEST  
Sections 6-7: All  
Sections 18-19: All  
Section 30: All  
TOWNSHIP 31 NORTH, RANGE 7 WEST  
TOWNSHIP 31 NORTH, RANGE 8 WEST  
TOWNSHIP 31 NORTH, RANGE 9 WEST  
TOWNSHIP 31 NORTH, RANGE 10 WEST  
TOWNSHIP 31 NORTH, RANGE 11 WEST  
Sections 1-36: All  
TOWNSHIP 32 NORTH, RANGE 10 WEST  
TOWNSHIP 32 NORTH, RANGE 11 WEST  
Sections 7-36: All (Irregular Township)  
[FR Doc. 93-19327 Filed 8-11-93; 8:45 am]  
BILLING CODE 5717-01-M

NM-48  
Final on 13 Sep 93  
OK

480,076 acres.  
MU Group

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