

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, 2003  
 DATE DETERMINATION MADE January 17, 2003  
 WAS 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 & Gas Lease No.  
 7. Unit Agreement Name  
 8. Farm or Lease Name  
**Sammons Gas Com C**  
 9. Well No.  
**1E**  
 10. Field and Pool, or Wildcat  
**Blanco Mesaverde**  
 12. County  
**San Juan**

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 LINE  
 AND 865 FEET FROM THE EAST LINE OF SEC. 07 TWS. 29N RGE. 09W NMPM

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)
 

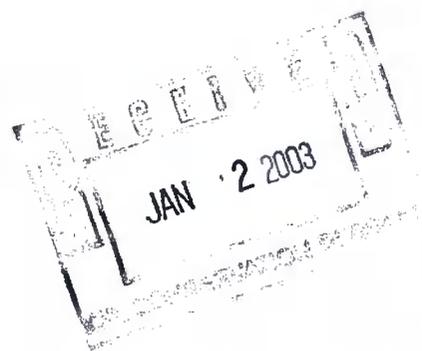
All items required by Rule 14 (1) and/or Rule 14 (2)
  - B. NEW NATURAL GAS UNDER SEC. 102 (c) (1) (C) (new onshore reservoir)
 

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 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 NPGA 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

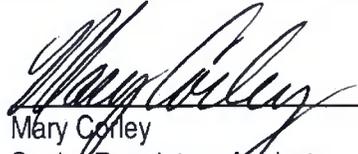
BEFORE ME, the undersigned authority, duly commissioned and qualified within and for the State and County aforesaid, personally came and appeared Mary Corley, who being by me first duly sworn, deposed and said:

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.

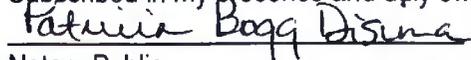
That production from the Sammons Gas Com C well # 1E, API No. 30-045-24282 is natural gas produced from a FERC designated tight formation, assigned State No. NM - 48 through:

- a well the surface drilling of which began after December 31, 1979, but before January 1, 1993;
- 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.

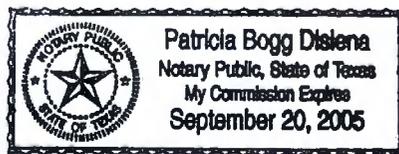
  
\_\_\_\_\_  
Mary Corley  
Senior Regulatory Analyst

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.

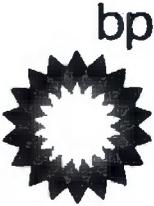
Please indicate receipt of this filing by date stamping the attached copy of this letter and returning the copy for our records.

Very truly yours,

A handwritten signature in blue ink that reads 'Mary Corley'.  
Mary Corley  
Sr. Regulatory Analyst

Enclosures

Cc: Working Interest Owners



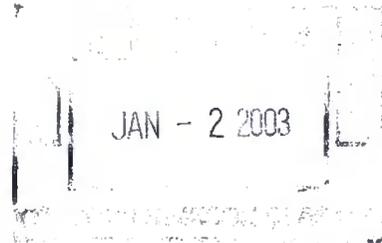
San Juan Performance Unit

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	
<del>Sammons Gas Com C Well # 1E</del>	<del>Mesaverde</del>	<del>NM - 48</del>	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  
 Energy, Minerals & Natural Resources Department

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

V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBSD	<sup>29</sup> Perforations	<sup>30</sup> DHC, DC, MC
05/01/1980	08/06/2000	6663'	6620'	3733' - 4660'	DHC - 2663
<sup>31</sup> Hole Size	<sup>32</sup> Casing & Tubing Size	<sup>33</sup> Depth Set	<sup>34</sup> Sacks Cement		
12 1/4"	9 5/8" 32.3#	302' 283	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	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date	<sup>38</sup> Test Length	<sup>39</sup> Csg. Pressure
		08/02/2000	6 Hrs.	85#
<sup>41</sup> Choke Size	<sup>42</sup> Oil	<sup>43</sup> Water	<sup>44</sup> Gas	<sup>45</sup> AOF
3/4"	TRACE	TRACE	360.5 MCF	
<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: *Mary Corley*

Printed name: MARY CORLEY

Title: SENIOR REGULATORY ANALYST

Date: 08/07/2000 Phone: 281-366-4491

OIL CONSERVATION DIVISION

Approved by: *[Signature]*

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 - 5 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

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

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

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

WELL API NO.  
30-045-24282

5. Indicate Type of Lease  
STATE  FEE

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name  
Sammons Gas Com C

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

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 6863'

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' *4660* Mesaverde

20. Was Directional Survey Made

21. Type Electric and Other Logs Run CBL, GR, CCL TOT

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"	32.3#	308' <i>283</i>	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	6863'	6 1/4"	515 SXS	

**LINER RECORD**

**TUBING RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	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

**PRODUCTION**

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

Hours Tested 6

Choke Size

Prod'n For Test Period

Oil - Bbl. Trace

Gas - MCF 360.5

Water - Bbl. Trace

Gas - Oil Ratio

Flow Tubing Press.

Casing Pressure 85#

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 *Mary Corley* Printed Name Mary Corley Title Sr. Regulatory Analyst Date 08-07-2000



**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 JSPP, .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 JSPP, .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  $\frac{3}{8}$ " & 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  $\frac{3}{4}$ " 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 PBTB @ 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

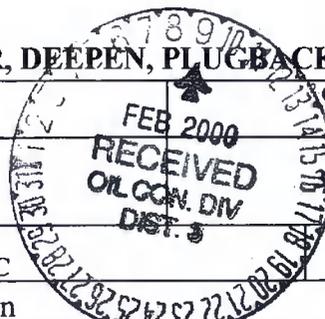
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

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

— AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address <b>Amoco Production Company</b> P. O. Box 3092 Houston, Texas 77253		<sup>2</sup> OGRID Number <b>000778</b>
		<sup>4</sup> API Number <b>- 045-24282</b>
<sup>3</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.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>P</b>	<b>7</b>	<b>29N</b>	<b>9W</b>		<b>315'</b>	<b>South</b>	<b>865'</b>	<b>East</b>	<b>San Juan</b>

<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 <b>Blanco Mesaverde</b>					<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:	<b>OIL CONSERVATION DIVISION</b>	
	Approved by:	Title: <b>SUPERVISOR DISTRICT # 3</b>
Printed name: <b>Mary Corley</b>	Approval Date: <b>FEB 9 2000</b>	Expiration Date:
Title: <b>Sr. Business Analyst</b>	Conditions of Approval:	
Date: <b>02/08/2000</b>	Phone: <b>281-366-4491</b>	Attached <input type="checkbox"/>

## 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 PBTB 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, Sante Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised October 18, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

**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.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT P	7	29N	9W		315'	SOUTH	865'	WEST	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**

<p>DEDICATION:  S/2 S/2 SEC 7  N2 N2 &amp; N/2 S/2  N/2 SEC 18</p> <p>SEC 7</p> <p>SEC 18</p> <p>865'</p> <p>315'</p> <p>*WDC</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature: <i>Mary Corley</i></p> <p>Printed Name: MARY CORLEY</p> <p>Position: Sr. Business Analyst</p> <p>Date: 02/08/2000</p>
	<p><b>SURVEY CERTIFICATION</b></p> <p>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.</p> <p>Date of Survey: 01/01/2000</p> <p>Signature &amp; Seal of Professional Surveyor: Fred B. Kerr, Jr.</p> <p>Certificate No.: 3950</p>

# Sammons GC C #1E

Sec 7, T29N, R9W

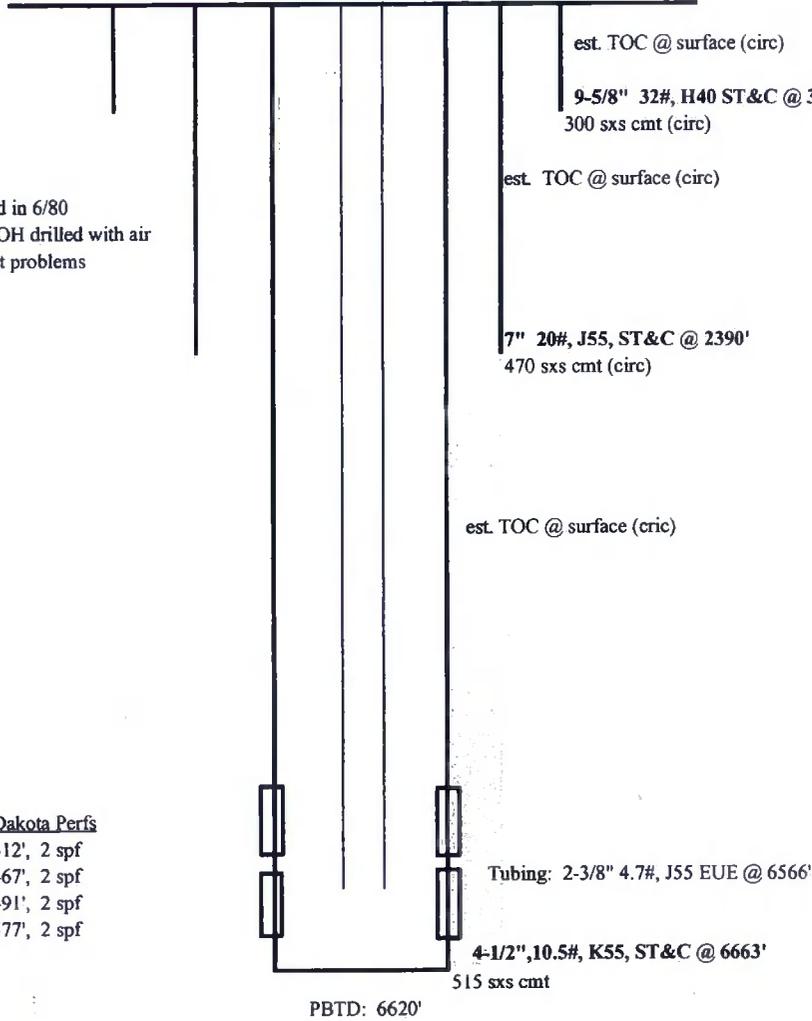
GL: 5549'

## 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



## 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 1920, Santa Fe, NM 87510

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

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

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

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93 MAR 15 AM 10 11

WELL API NO.

30-045-24282

5. Indicate Type of Lease  
STATE  FEE

6. State Oil & Gas Lease No.

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)

7. Lease Name or Unit Agreement Name

Sammons Gas Com /C/

1. Type of Well:  
OIL WELL  GAS WELL  OTHER

8. Well No. #1E

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

9. Pool name or Wildcat  
Basin Dakota

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 NM17-1 San Juan County

10. Elevation (Show whether OF, RKB, RT, GA, 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 OPNS:  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 above is true and complete to the best of my knowledge and belief.  
SIGNATURE DeAnne Tallant TITLE Staff Asst DATE 3/8/93  
TITLE OR FIRM NAME TELEPHONE NO.

(This space for State Use)  
APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAR 10 1993  
CONDITIONS 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. RDMSU.

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Oil and Natural Resources Department

Form C-10J  
Revised 1-1-89

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

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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.

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)



7. Lease Name or Unit Agreement Name  
Sammons Gas Com C

1. Type of Well:  
Oil Well  Gas Well  Other

8. Well No. #1E

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

9. Pool name or Wildcat  
Basin Dakota

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 NM174 San Juan County

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

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 ALTEN CASING   
OTHER: Bradenhead Repair   
SUBSEQUENT REPORT OF:  
REMEDIAL WORK  ALTERNING CASING   
COMMENCE DRILLING OPS.  PLUG AND ABANDONMENT   
CASING TEST AND CEMENT JOB   
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 TEL NUMBER NO.

(This space for State Use)  
APPROVED BY Charles Johnson 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

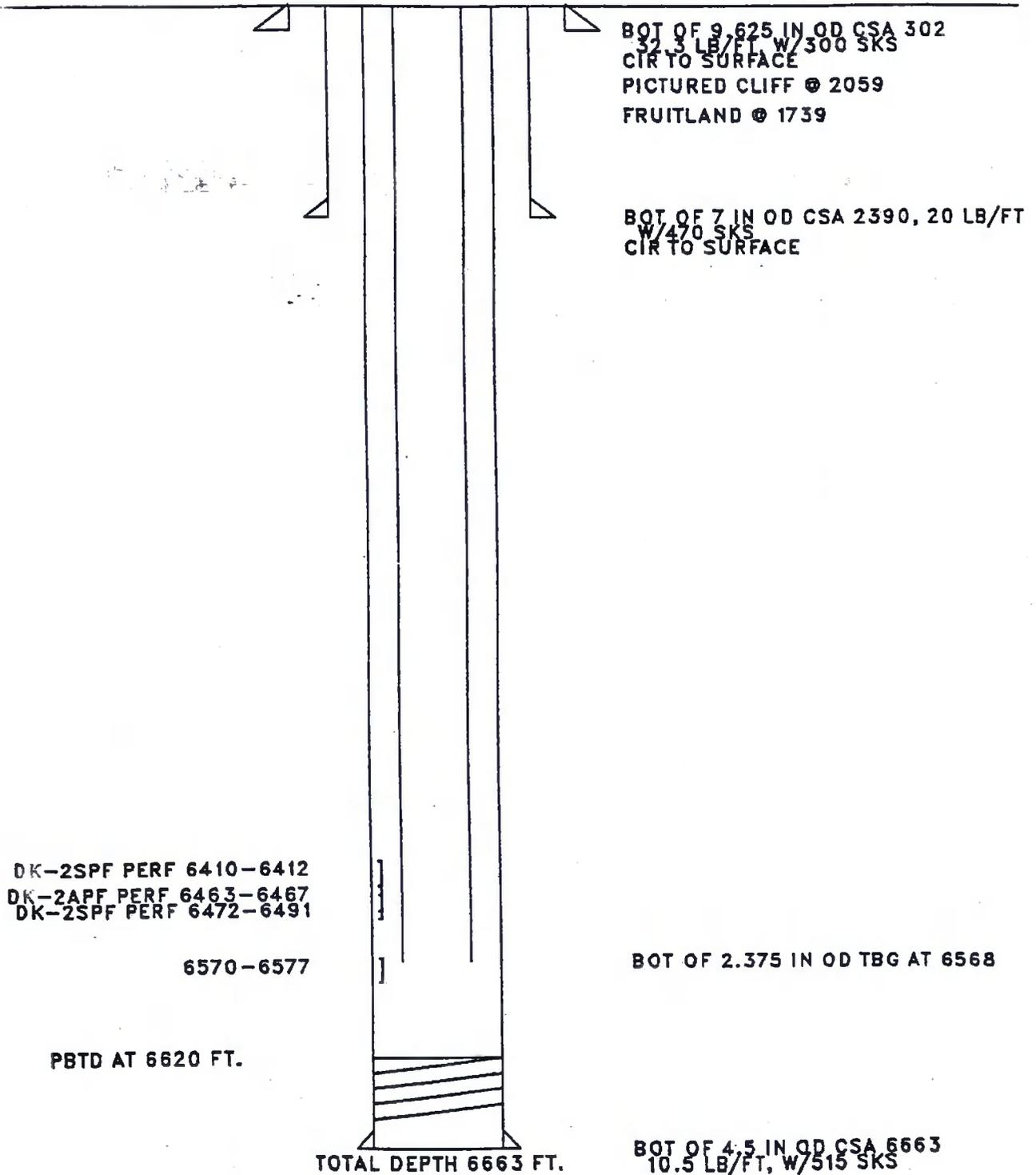
1. Contact Federal or State agency prior to starting repair work.
2. Catch gas and/or water sample off of bradenhead and casing, and have analyzed.
3. Install and/or test anchors.
4. MIRUSU. Check and record tubing, casing and bradenhead pressures.
5. Blow well down, kill well if necessary with 2% KCL.
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



2

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  
 Lease 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 head for 15 min.

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

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

OIL CONSERVATION DIVISION  
RECEIVED

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

'90 AUG 22 AM 11 23

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator AMOCO PRODUCTION COMPANY	Well API No. 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 ( <del>PROBABLE GAS</del> )	Kind of Lease State, Federal or <u>Fee</u>	Lease No.
Location Unit Letter <u>P</u> : <u>315</u> Feet From The <u>FSL</u> Line and <u>865</u> Feet From The <u>FEL</u> Line Section <u>07</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"/>	Address (Give address to which approved copy of this form is to be sent)
<u>MERIDIAN OIL INC.</u>	<u>3535 EAST 30TH STREET, FARMINGTON, CO 87401</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>EL PASO NATURAL GAS COMPANY</u>	<u>P.O. BOX 1492, EL PASO, TX 79978</u>
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	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.

D. W. Whaley  
Signature  
Doug. W. Whaley, Staff Admin. Supervisor  
Printed Name Title  
June 25, 1990 303-830-4280  
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved JUL 5 1990

By [Signature]  
Title SUPERVISOR DISTRICT #3

RECEIVED  
JUL 5 1990  
OIL CON. DIV.  
DIST. 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

RECEIVED  
SEP 18 1987  
OIL CONSERVATION DIVISION  
SANTA FE

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

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

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LAND OFFICE	
TRANSPORTER	<input type="checkbox"/> OIL <input type="checkbox"/> GAS
OPERATOR	
PROMOTION OFFICE	

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. 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.

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JAN 03 1985  
OIL CON. DIV

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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TRANSPORTER	OIL
	GAS
OPERATOR	
PROMOTION OFFICE	

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

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

OIL CONSERVATION DIVISION

APPROVED JAN 22 1985

BY Charles G. Holton

TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

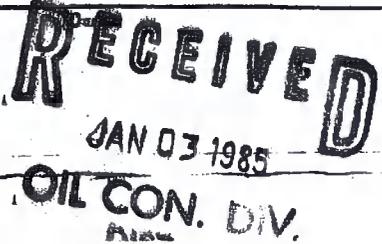
This form is to be filed in compliance with RULE 1104.

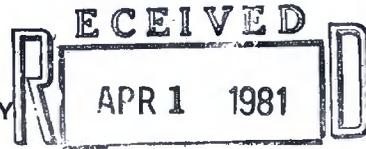
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

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

OIL CONSERVATION DIVISION  
SANTA FE

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 Sammons Gas Com C #1-E  
Operator Well Name

93-566-01 73948-51 P 7-29-9  
Meter Code Site Code Well Unit S-T-R

Basin Dakota El Paso Natural Gas Company  
Pool Name of Purchaser

WAS MADE ON 3-12-81 FIRST DELIVERY 3-13-81  
Date Date

AOF 300

CHOKE 299

El Paso Natural Gas Company  
Purchaser

Original Signed by  
Charles A. Thomas

Representative

Chief Dispatcher--Assistant  
Title

cc: Operator  
Oil Conservation Commission - 2  
Proration - El Paso

File

V

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TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

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

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

Operator  
**Amoco Production Company**

Address  
**501 Airport Drive, Farmington, NM 87401**

Reason(s) for filing (Check proper box)  
 New Well       Change in Transporter of:  
 Recompletion       Oil       Dry Gas   
 Change in Ownership       Casinghead Gas       Condensate

Other (Please explain)

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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 <b>Sammons Gas Com C</b>	Well No. <b>1E</b>	Pool Name, Including Formation <b>Basin Dakota</b>	Kind of Lease State, Federal or Fee <b>Fee</b>	Lease No.
Location Unit Letter <b>P</b> ; <b>315</b> Feet From The <b>South</b> Line and <b>865</b> Feet From The <b>East</b> Line of Section <b>7</b> Township <b>29N</b> Range <b>9W</b> , NMPM, <b>San Juan</b> 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"/>	Address (Give address to which approved copy of this form is to be sent)
<b>Plateau Incorporated</b>	<b>4775 Indian School RD, NE, Albuquerque, NM 87110</b>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>El Paso Natural Gas Company</b>	<b>P.O. Box 990, Farmington, NM 87401</b>
If well produces oil or liquids, give location of tanks.	Unit    Sec.    Twp.    Rge.    Is gas actually connected?    When
	<b>P    7    29N    9W    No</b>

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

**III. COMPLETION DATA**

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

**IV. 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.)	
		Casing Pressure	Choke
Length of Test	Tubing Pressure	Water - Bbls.	Gas - MCF
Actual Prod. During Test	Oil - Bbls.		

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DIST. 3

**GAS WELL**

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

**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**  
**SEP 16 1980**  
APPROVED \_\_\_\_\_, 19\_\_\_\_  
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

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

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AND OFFICE	
PERATOR	

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  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 \_\_\_\_\_

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

12. County  
San Juan

Date Spudded 5-1-80 16. Date T.D. Reached 5-9-80 17. Date Compl. (Ready to Prod.) 6-30-80 18. Elevations (DF, RKB, RT, GR, etc.) 5549' GL 19. Elev. Casinghead \_\_\_\_\_

Total Depth 6663' 21. Plug Back T.D. 6620' 22. If Multiple Compl., How Many \_\_\_\_\_ 23. Intervals Drilled By: Rotary Tools 0-TD Cable Tools \_\_\_\_\_

Producing Interval(s), of this completion - Top, Bottom, Name  
6410-6412', 6463-6467', 6472-6491', 6570-6577'; Dakota 25. Was Directional Survey Made No

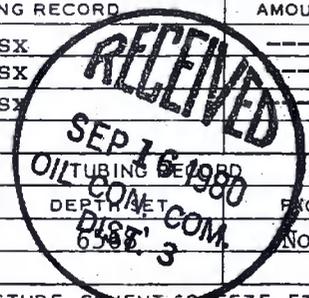
Type Electric and Other Logs Run  
Induction-GR-SP, Compensated Density-Sidewall Neutron-GR 27. Was Well Cored No

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

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH	PACKER SET
					2-3/8"		None



Perforation Record (Interval, size and number)  
6410-6412', 6463-6467', 6472-6491', and 6570-6577', with a screen interval of 60' .38" holes.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>6410-6577'</u>	<u>105,900 gal of frac fluid x 269,500 # of 20-40 sand</u>

OIL CONSERVATION DIVISION  
SANTA FE

Production Method (Flowing, lift, pumping - Size and type pump)  
Flowing

Well Status (Prod. or Shut-in)

Date of Test 7-29-80 Hours Tested 3 hours Choke Size .75 Prod'n. For Test Period \_\_\_\_\_

Oil - Bbl. \_\_\_\_\_ Gas - MCF 37 Water - Bbl. \_\_\_\_\_ Gas - Oil Ratio \_\_\_\_\_

Flow Tubing Press. 14 PSIG Casing Pressure 87 PSIG Calculated 24-Hour Rate \_\_\_\_\_

Oil - Bbl. \_\_\_\_\_ Gas - MCF 299 Water - Bbl. \_\_\_\_\_ Oil Gravity - API (Corr.) \_\_\_\_\_

Disposition of Gas (Sold, used for fuel, vented, etc.) To be sold Test Witnessed By \_\_\_\_\_

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 CC 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" _____     |
| T. Salt _____            | T. Atoka _____         | T. Pictured Cliffs _____     | T. Penn. "D" _____     |
| T. Yates _____           | T. Miss _____          | T. Cliff House <u>3730</u>   | T. Leadville _____     |
| T. 7 Rivers _____        | T. Devonian _____      | T. Menefee <u>3808</u>       | T. Madison _____       |
| T. Queen _____           | T. Silurian _____      | T. Point Lookout <u>4308</u> | T. Elbert _____        |
| T. Grayburg _____        | T. Montoya _____       | T. Mancos <u>4410</u>        | T. McCracken _____     |
| T. San Andres _____      | T. Simpson _____       | T. Gallup <u>5525</u>        | T. Ignacio Qtzte _____ |
| T. Glorieta _____        | T. McKee _____         | Base Greenhorn <u>6337</u>   | T. Granite _____       |
| T. Paddock _____         | T. Ellenburger _____   | T. Dakota <u>6390</u>        | 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			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6663	Perforations: From 6410    To 6577		Well No. 1E					
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6566	Perforations: From OPEN    To ENDED		Unit P	Sec. 7	Twp. 29N	Rge. 9W		
Type Well - Single - Inhead - G.C. or G.O. Multiple SINGLE					Packer Set At NONE		County SAN JUAN				
Producing Thru TUBING		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P <sub>a</sub>		State NEW MEXICO			
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	Duration of Flow
SI	9 days						1285		1255		3 hrs
1.	2.375	.750					14		87		
2.											
3.											
4.											
5.											

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OIL CONSERVATION DIVISION 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		26	1.000	.9258	1.003	299
2.							
3.							
4.							
5.							

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

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DIST. 3

P <sub>c</sub> 1297	P <sub>c</sub> <sup>2</sup> 1682209	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.0059$	(2) $\left[ \frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.0044$
NO.	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>w</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup>
1	99	9801	1672408
2			
3			
4			
5			

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

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

5a. Indicate Type of Lease  
State  Fee   
5. State Oil & Gas Lease No.

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

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

11. Location of Well  
UNIT LETTER P 315 FEET FROM THE South LINE AND 865 FEET FROM  
THE East LINE, SECTION 7 TOWNSHIP 29N RANGE 9W NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)  
5549' GL

12. County  
San Juan

6. 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 DEPTHS <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 JOBS <input type="checkbox"/>	completion <input checked="" type="checkbox"/>

OIL CONSERVATION DIVISION  
SANTA FE

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. Soboda TITLE Dist. Adm. Supvr. DATE 7-14-80

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

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

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 Company

Address of Operator: 501 Airport Drive Farmington, NM 87401

Location of Well: UNIT LETTER P 315 FEET FROM THE South LINE AND 865 FEET FROM THE East LINE, SECTION 7 TOWNSHIP 29N RANGE 9W NMPM.

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

15. Elevation (Show whether DF, RT, GR, etc.): 5549' GL

12. County: San Juan

6. 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"/>
		OTHER _____	

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 [Signature] TITLE Dist. Adm. Supvr. DATE 6-24-80

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT #3 DATE JUN 26 1980

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AND OFFICE	
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

**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 Company**

Address of Operator  
**501 Airport Drive Farmington, NM 87401**

Location of Well  
UNIT LETTER **P**, **315** FEET FROM THE **South** LINE AND **865** FEET FROM THE **East** LINE, SECTION **7** TOWNSHIP **29N** RANGE **9W** NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)  
**5549' GL**

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**

12. County  
**San Juan**

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

<p>NOTICE OF INTENTION TO:</p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>	<p>PLUG AND ABANDON <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>	<p>SUBSEQUENT REPORT OF:</p> <p>REMEDIAL WORK <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/></p> <p>CASING TEST AND CEMENT JOB <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/> <b>Spud &amp; Set Casing</b></p>	<p>ALTERING CASING <input type="checkbox"/></p> <p>PLUG AND ABANDONMENT <input type="checkbox"/></p>
---	---	--	--

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.

Drilled 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 was 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 50:50 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. The 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 *E. E. Schuboda* TITLE Dist. Adm. Supvr. DATE 5-22-80

APPROVED BY *Frank J. Davey* TITLE SUPERVISOR DISTRICT # 3 DATE MAY 27 1980

CONDITIONS OF APPROVAL, IF ANY:

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

5A. Indicate Type of Lease  
 STATE  FEDERAL

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Firm or Lease Name  
 Sammons Gas Com "C"

9. Well No.  
 IE

10. Field and Pool, or Wildcat  
 Basin Dakota

12. County  
 San Juan

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 RANGE



15. Proposed Depth 6772'  
 19A. Formation Dakota  
 20. Rotary or C.T. Rotary  
 Elevations (Show whether DJ, RT, etc.) 5549' GL  
 21A. Kind & Status Plug. Bond Statwide  
 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.

OIL CONSERVATION DIVISION  
 SANTA FE, N.M.  
 APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,  
 EXPIRES 7-14-80

RECEIVED  
 APR 15 1980  
 OIL CON. COM.  
 DIST. 3  
 Date April 15, 1980

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

(This space for State Use)  
 APPROVED BY Frank S. Day TITLE SUPERVISOR DISTRICT # 3 DATE APR 15 1980

CONDITIONS OF APPROVAL, IF ANY:

NW 12046

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.

Lessor AMOCO PRODUCTION COMPANY			Lessee SAMMONS GAS COM "C"		Well No. 1-E
Tract Letter P	Section 7	Township 29N	Range 9W	County San Juan	
Well Location of Well: 315 feet from the South line and 865 feet from the East line					
Ground Level Elev: 5549	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage: 331.68 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?

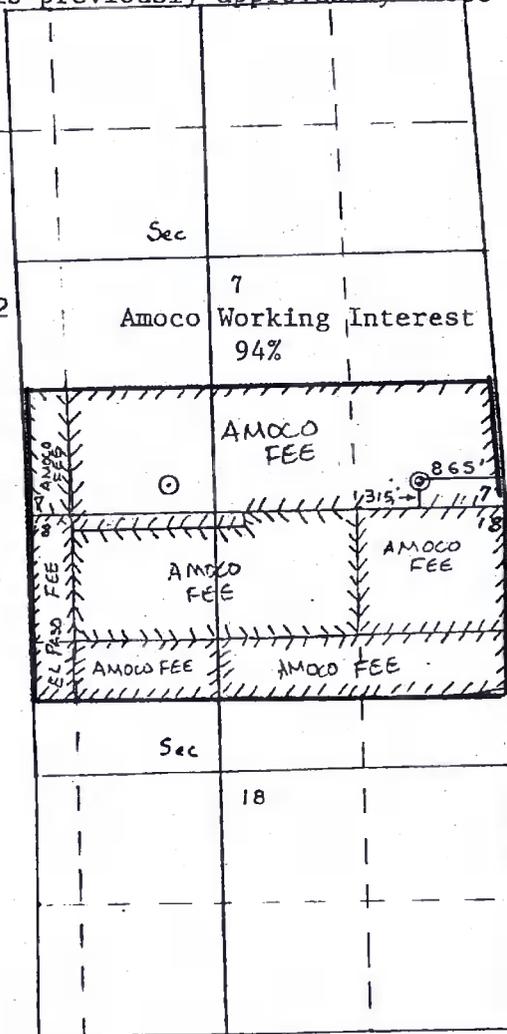
Yes  No If answer is "yes," type of consolidation Communitization - Amoco owns all acreage unit except for 18.38 acres in western part of NW/4 Section 18, which is owned by El Paso. They will either join in the drilling of the well or farmout the acreage to Amoco.  
If answer is "no," list the owners 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



Scale: 1"=2000'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>B. E. Fackrell</i>	
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 other qualified persons, 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	
<i>Fred B. Kerr Jr.</i>	
Certificate No.	FRED B. KERR, JR.
3950	

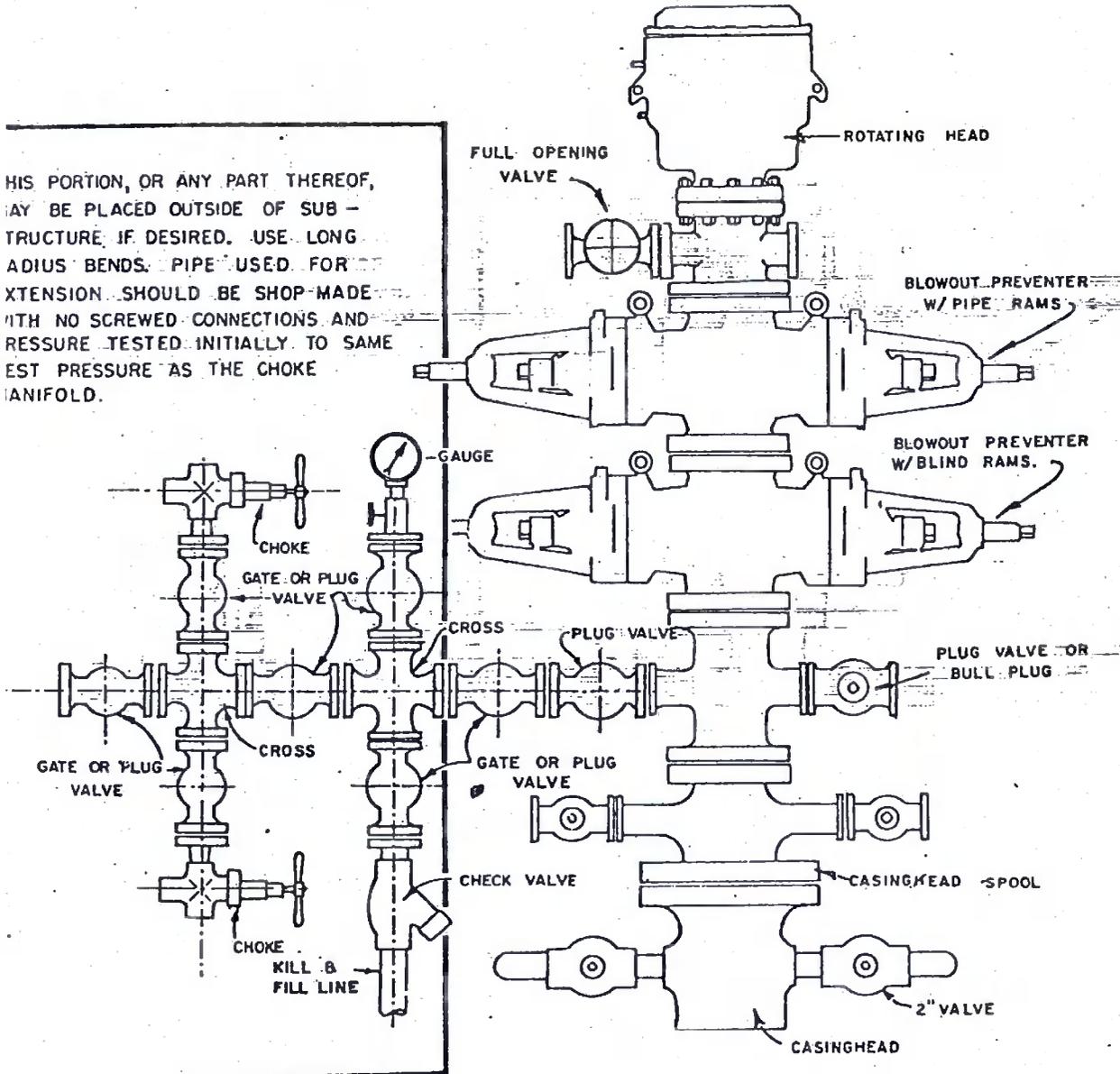
Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.

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.



### 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 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. Sar Martin,  
Acting Assistant Secretary, Energy Efficiency and Renewable Energy.  
[FR Doc. 93-19409 Filed 8-11-93; 8:45 am]  
BILLING CODE 6840-01-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: W/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 on 13 Sep 93  
OK  
480,076 acres  
MU Group

NM-1813-92

////

ergy, DOE.  
ossil Energy of  
gives notice  
granting  
(NGC)  
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to Canada  
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o 130 Bcf of  
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dependence  
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, 2003

DATE DETERMINATION MADE January 17, 2003

WAS 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 <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name <b>State Gas Com BF</b>
9. Well No. <b>1E</b>
10. Field and Pool, or Wildcat <b>Blanco Mesaverde</b>
12. County <b>San Juan</b>

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 LINE  
AND 1650 FEET FROM THE EAST LINE OF SEC. 16 TWS. 29N RGE. 09W NMPM

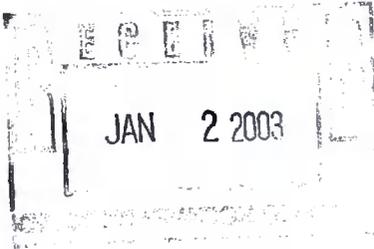
I. Name and Address of Purchaser(s)  
**Paso Field Services**

**API No. 30-045-26235**

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

- Category(ies) sought (By NGPA Section No.)
- Filing Fee(s) Amount Enclosed: \$ 25.00
- All applications must contain:
  - C-101 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK
  - C-105 WELL COMPLETION OR RECOMPLETION REPORT
  - DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111
  - AFFIDAVITS OF MAILING OR DELIVERY
- In addition to the above, all applications must contain the items required by the applicable rule of the Division's "Special Reules of Applications for Wellhead Price Ceiling Category Determinations" as follows:

- 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)
- NEW NATURAL GAS UNDER SEC. 102 (c) (1) (C) (new onshore reservoir)
  - All items required by Rule 15
- NEW ONSHORE PRODUCTION WELL UNDER SEC. 103
  - All items required by Rule 16a OR Rule 16B
- 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)
- 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)

*Mary Corley*  
SIGNATURE OF APPLICANT

Title **Senior Regulatory Analyst**

Date **December 18, 2002**

FOR DIVISION USE ONLY	
<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> 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	
<i>[Signature]</i> EXAMINER	







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



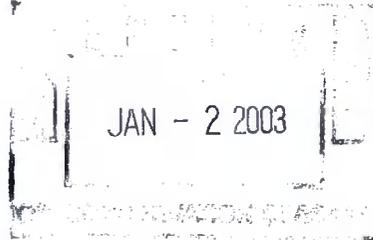
San Juan Performance Unit

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.

<del>State Gas Com BF Well # 1E</del>	<del>Mesaverde Pool</del>	<del>NM - 48</del>	<del>30-045-26235</del>
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

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

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

WELL API NO.

30-045-26235

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

5. Indicate Type of Lease

STATE  FEE

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

7. Lease Name or Unit Agreement Name  
State Gas Com BF

b. Type of  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR  OTHER

2. Name of Operator  
Amoco Production Company  
Attenlio  
Melissa Velasco

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 1 : 1775' Feet From The South Line and 915' Feet From The East 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

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"	36#	339'	12 1/4"	230 SXS to SURF	
7"	20#	2690'	6 1/4"	300 SXS to SURF	

24. *Not a Liner* LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4 1/2"	Unknown	6913'	430 SXS		2 3/8"	6887'	

25. TUBING RECORD

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

1. 4705' - 4906'	2 JSPF, .340 inch diameter, total 22 shots
2. 4576' - 4687'	1 JSPF, .340 inch diameter, total 16 shots
3. 4216' - 4474'	2 JSPF, .340 inch diameter, total 36 shots
4. 3986' - 4086'	1 JSPF, .340 inch diameter, total 18 shots
5. 3878' - 3963'	2 JSPF, .340 inch diameter, total 14 shots

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4576' - 4906'	80,000# 16/30 Arizona Sand & 70% Quality N2 Fo
4216' - 4474'	80,000# 16/30 Arizona Sand & 70% Quality N2 Fo
3878' - 3963'	80,000# 16/30 Arizona Sand & 70% Quality N2 Fo

28. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)					
	Flowing	SI					
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl. Trace	Gas - MCF 1100	Water - Bbl. Trace	Gas - Oil Ratio
28 Aug 2000	12	3/8"					
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
	370#						

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 [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

Form C-102  
 Revised October 18, 1994  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

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

**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.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT I	16	29N	9W		1775'	SOUTH	915'	EAST	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.
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**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

	<p><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p> <p>Signature: <i>Marcy Cobley</i></p> <p>Printed Name: <b>MARCY COBLEY</b></p> <p>Position: <b>Sr. Business Analyst</b></p> <p>Date: <b>01/26/2000</b></p>
	<p><b>SURVEY CERTIFICATION</b></p> <p><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></p> <p style="border: 1px solid black; display: inline-block; padding: 2px;">01/08/1985</p> <p>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p style="border: 1px solid black; display: inline-block; padding: 2px;">Gary D. Vann</p> <p>Certificate No. <b>7016</b></p>

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

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

Form C-105  
Revised 11-1-84

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

1a. TYPE OF WELL

b. TYPE OF COMPLETION  
OIL WELL  GAS WELL  DRY  OTHER   
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER

2. Name of Operator  
Amoco Production Co.

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

4. Location of Well  
UNIT LETTER I LOCATED 1775 FEET FROM THE South LINE AND 915 FEET FROM

THE East LINE OF SEC. 16 TWP. 29N RGE. 9W NMPM

15. 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 19. 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 0-TD Cable Tools

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	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 tailed i	
4-1/2"	11.6#, K55	6913'	6-1/4"	1309 cf Class B 50:50	with 118 cf Class B Portland
					with 118 cf Class B Portland
					poz and (ove)

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	6887'	

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
<u>6676'-6776'</u>	<u>70,000 gal 70 quality foam and 105,000 # 20-40 sand.</u>
<u>6850'-6900'</u>	<u>70,000 gal 30# crosslinked gel and 75,000 #20-40 sand.</u>

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	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
<u>5-9-85</u>	<u>3 hrs.</u>	<u>.75"</u>			<u>635</u>		
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
<u>410 psig</u>	<u>1105 psig</u>			<u>5082</u>			

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
To be sold Test Witnessed By Bryan Services

35. List of Attachments  
None

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

FARMINGTON OFFICE  
JUN 24 1985

WJM	
DDA	
TK	
LSM	
SM	
BW	
YB	

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
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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> PBSD 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 1/2"	7"	2690'		300 SXS Lead & Tail to SURF	
6 1/2" (Production Liner)	4 1/2"	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 1/2"	<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:	<i>37.8</i> 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

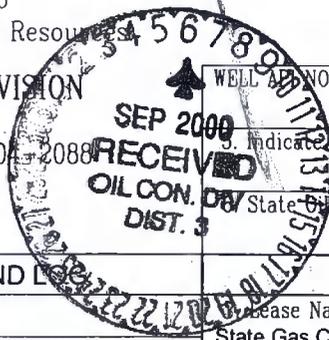
Previous Operator Signature	Printed Name	Title	Date

Submit to  
Appropriate  
District Office  
State Lease - 6

State 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 88240

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

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

WELL APPL. NO. 30-045-26235

3. Indicate Type of Lease  
STATE  FEE   
4. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
 b. Type of Well: NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR  OTHER \_\_\_\_\_  
 5. Lease Name or Unit Agreement Name: State Gas Com BF

2. Name of Operator: Amoco Production Company  
 Attention: Melissa Velasco  
 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 \_\_\_\_\_ : 1775' Feet From The South Line and 915' Feet From The East 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 \_\_\_\_\_

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"	36#	339'	12 1/4"	230 SXS to SURF	2859
7"	20#	2690'	6 1/4"	300 SXS 594 to SURF	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4 1/2"	Unknown	6913'	430 SXS		2 3/8"	6887'	

25. TUBING RECORD

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

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" 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: *Melissa Velasco*  
 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  $\frac{1}{2}$ " choke all night.

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

Form C-102  
Revised October 18, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

**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.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT I	16	29N	9W		1775'	SOUTH	915'	EAST	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**

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

Submit 3 Copies to  
Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

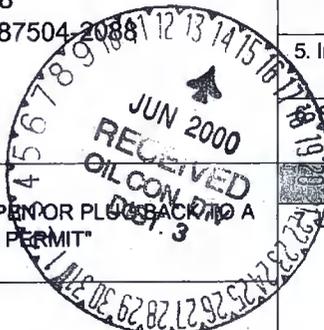
**DISTRICT I**  
P.O. Box 1980, Hobbs, NM  
**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210  
**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM

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

WELL API NO.  
30-045-26235

5. Indicate Type of Lease  
STATE  FEE

6. State Oil & Gas Lease No.



**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.)

7. Lease Name or Unit Agreement Name  
State Gas Com BF

1. Type of Well:  
OIL WELL  GAS WELL  OTHER

8. Well No.  
1E

2. Name of Operator  
AMOCO PRODUCTION COMPANY Attention: Mary Corley

P.O. Box 3092 Houston TX 77253

9. Pool name or Wildcat  
Basin Dakota/Blanco Mesaverde

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 Mary Corley 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 [Signature] TITLE geologist DATE 6/15/00  
CONDITIONS OF APPROVAL, IF ANY:

## 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. 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 Gas Com BF 1E

6/13/2000

## 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

## State Gas Com BF 1E

### 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

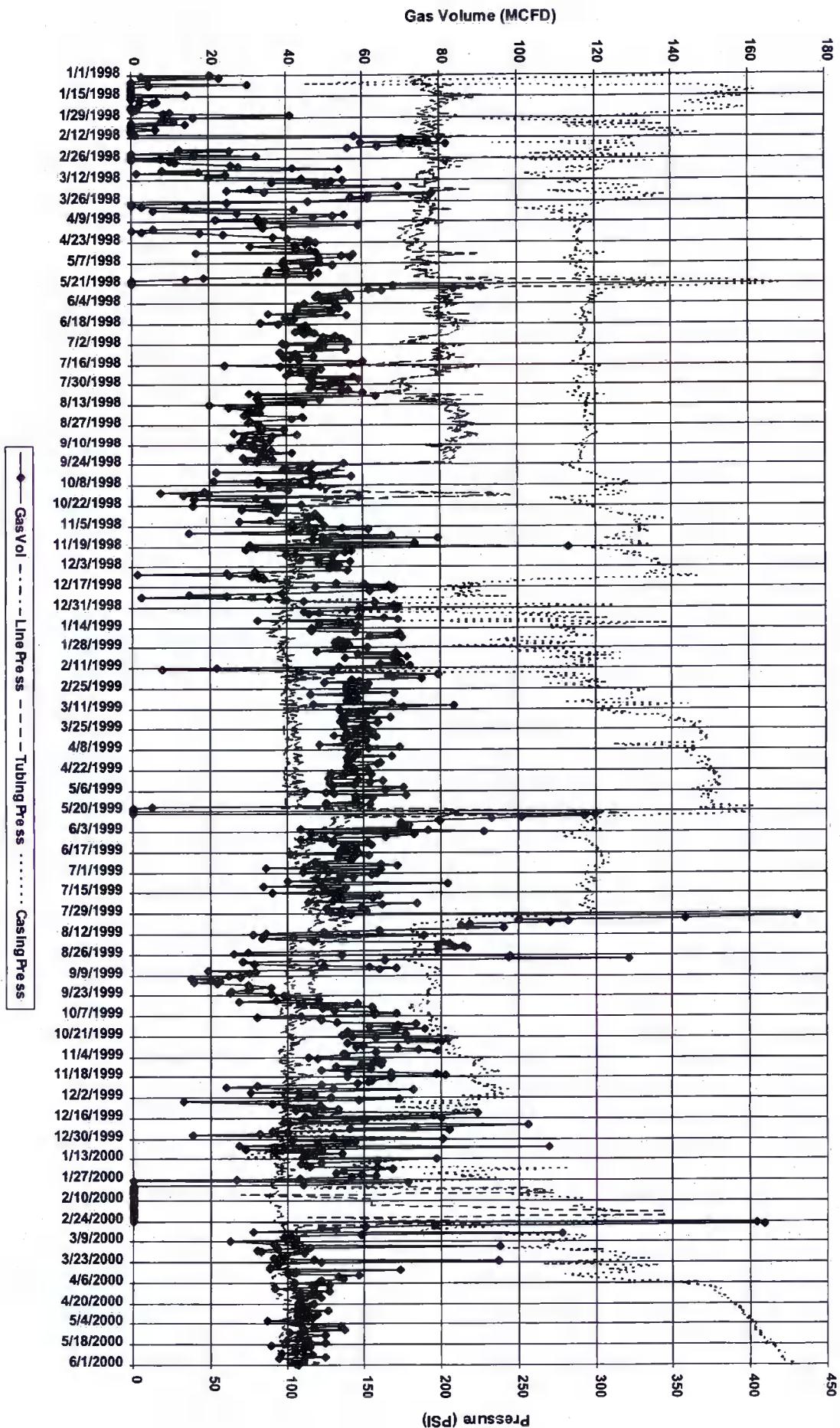
Month	Gas Volume
Jan-2033	10
Feb-2033	10
Mar-2033	10
Apr-2033	10
May-2033	10
Jun-2033	10
Jul-2033	10
Aug-2033	10
Sep-2033	10
Oct-2033	10
Nov-2033	10
Dec-2033	10
Jan-2034	10
Feb-2034	10
Mar-2034	10
Apr-2034	9
May-2034	9
Jun-2034	9
Jul-2034	9
Aug-2034	9
Sep-2034	9
Oct-2034	9
Nov-2034	9
Dec-2034	9
Jan-2035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

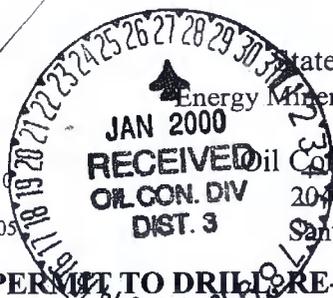


District I  
1625 N. French Dr., Hobbs, NM 88240

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

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**

<sup>1</sup> Operator Name and Address <b>Amoco Production Company</b> P. O. Box 3092 Houston, Texas 77253		<sup>2</sup> OGRID Number <b>000778</b>
<sup>3</sup> Property Code <b>001071</b>		<sup>4</sup> API Number <b>30 - 045-26235</b>
<sup>5</sup> Property Name <b>State Gas Com BF</b>		<sup>6</sup> Well No. <b>1E</b>

<sup>7</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	09W		1775'	South	915'	East	San Juan

<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 <b>Blanco Mesaverde</b>					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code <b>Plug Back</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>State</b>	<sup>15</sup> Ground Level Elevation <b>5832'</b>
<sup>16</sup> Multiple <b>No</b>	<sup>17</sup> Proposed Depth <b>6575'</b>	<sup>18</sup> Formation <b>Mesaverde</b>	<sup>19</sup> Contractor <b>Aztec</b>	<sup>20</sup> Spud Date <b>02/15/2000</b>

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	9 5/8"	32.3#	300'	354 CU FT CLS B	Surface <i>Cike</i>
8 3/4"	7"	20#	2700'	450 CU FT CLS B	Surface <i>Cike</i>
6 1/2"	4 1/2"	10.5#	6858'	1062 CU FT CLS B	unknown
					1505x 15T 1000x
					250 SY

<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 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*

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Mary Corley</i> Printed name: <b>Mary Corley</b> Title: <b>Sr. Business Analyst</b> Date: <b>01/26/2000</b> Phone: <b>281-366-4491</b>	OIL CONSERVATION DIVISION	
	<i>Charli Herron</i> *	
	Approved by:	
	Title: <b>DEPUTY OIL &amp; GAS INSPECTOR, DIST. #</b>	
	Approval Date: <b>JAN 27 2000</b>	Expiration Date:
Conditions of Approval: Attached <input type="checkbox"/>		

## 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.
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, Sante 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.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT I	16	29N	9W		1775'	SOUTH	915'	EAST	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**

**OPERATOR CERTIFICATION**

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

Signature: *Mary Colley*

Printed Name: **MARY COLLEY**

Position: **Sr. Business Analyst**

Date: **01/26/2000**

---

**SURVEY CERTIFICATION**

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

01/08/1985

Date of Survey

Signature & Seal of Professional Surveyor

Gary D. Vann

Certificate No. **7016**

# State GC BF #1E

Sec 16, T29N, R9W

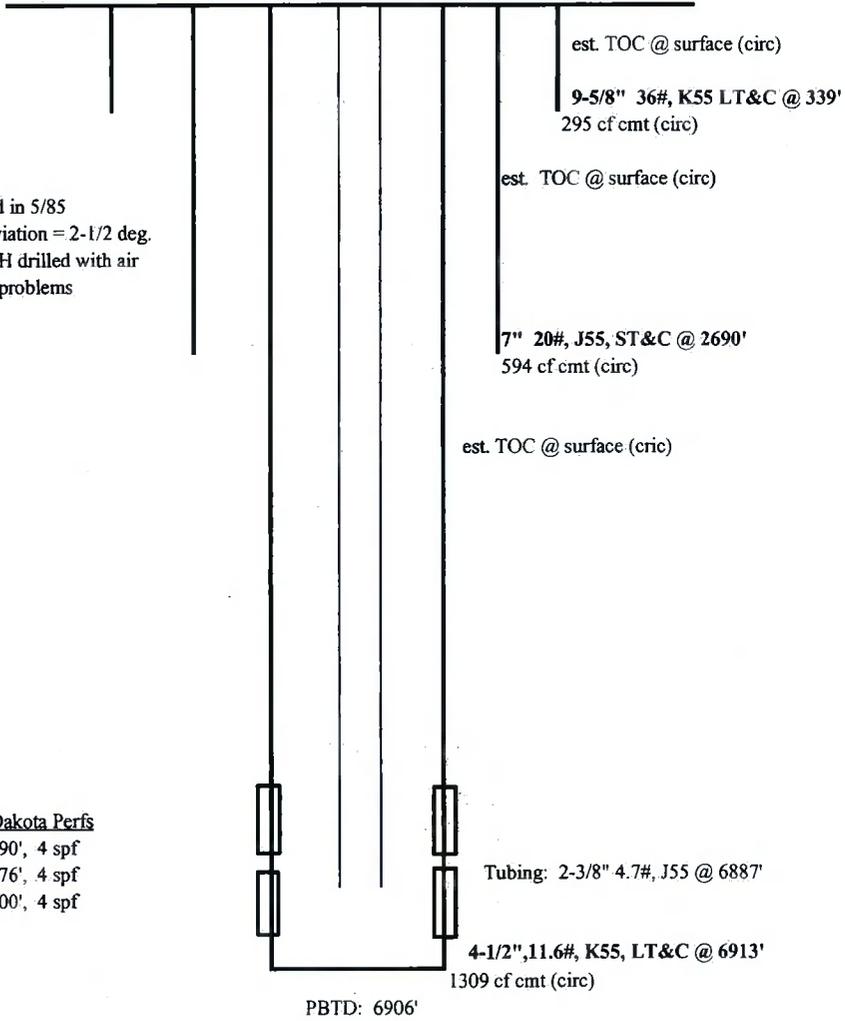
GL: 5823'

## 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



## Notes:

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

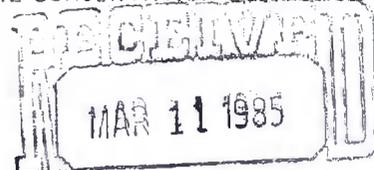
updated: 11/9/99 jad

30-045-26235

Form O-191  
Revised 1-1-65

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION



OIL CONSERVATION DIVISION

5A. Indicate Type of Lease  
STATE  FEDERAL

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work  
DRILL  DEEPEN  PLUG BACK

Type of Well  
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

11. Section, Township, Range, Meridian  
E 320

12. County  
San Juan

19. Proposed Depth 6858'  
19A. Formation Dakota  
20. Rotary or C.T. Rotary

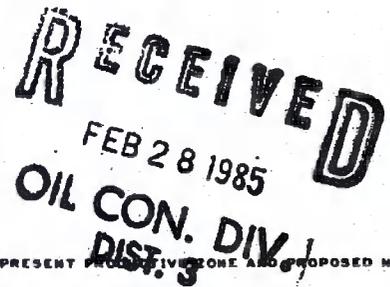
Elevations (Show whether DF, RT, etc.) 5832' GR  
21A. Kind & Status Plug. Bond Statewide  
21B. Drilling Contractor Unknown  
22. Approx. Date Work will start As soon as permitted

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 DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-78

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

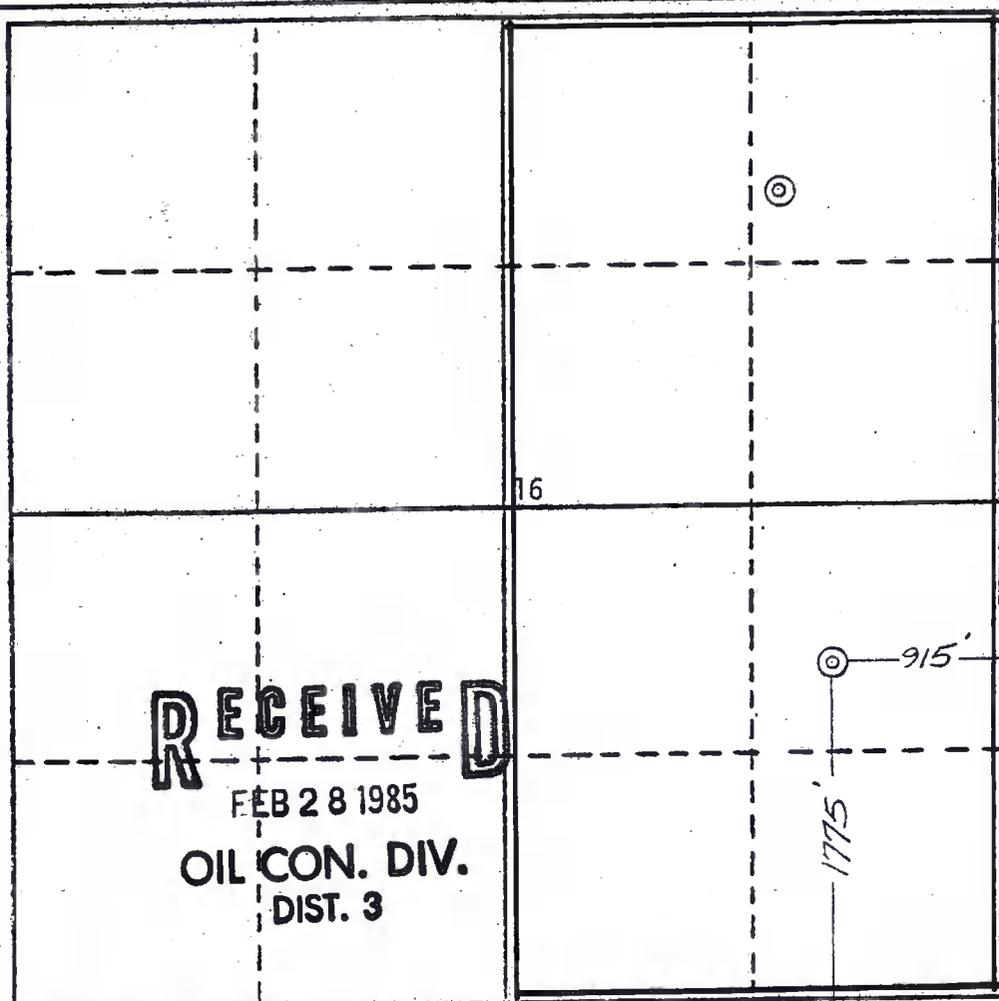
Operator AMOCO PRODUCTION COMPANY		Lease STATE GAS COM BF		Well No. 1E
Unit Letter I	Section 16	Township 29 N	Range 9 W	County San Juan
Actual Footage Location of Well: 1775 feet from the SOUTH line and 915 feet from the EAST line				
Ground Level Elev. 5832	Producing Formation Dakota	Pool Basin Dakota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



**RECEIVED**  
FEB 28 1985  
OIL CON. DIV.  
DIST. 3

**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, actual measurements made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**GARY D. VANN**  
REGISTERED PROFESSIONAL LAND SURVEYOR

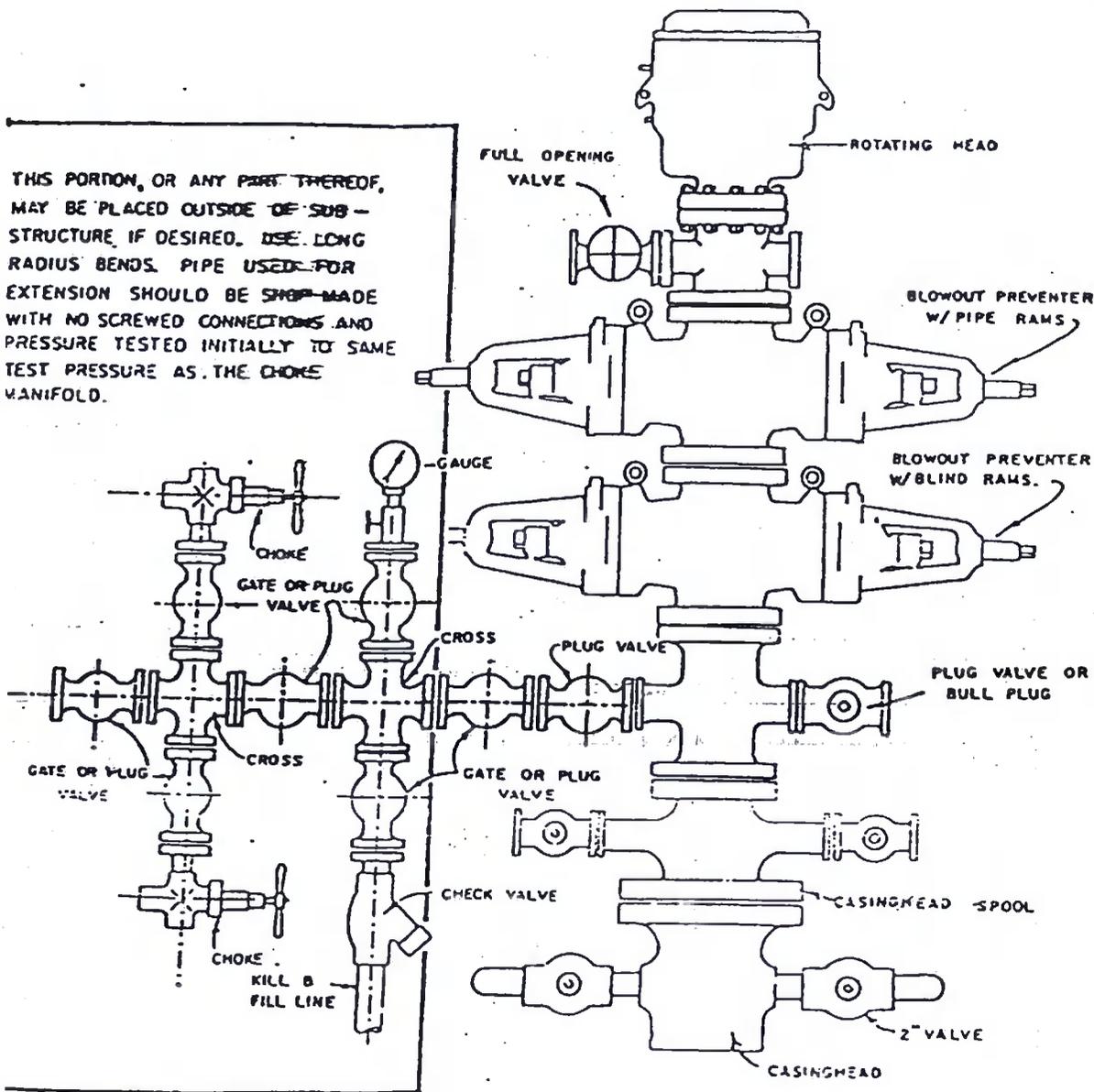
Date Surveyed  
January 8, 1985

Registered Professional Engineer and/or Land Surveyor  
*G.D. Vann*  
Gary D. Vann

Certificate No.  
7016



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

State of New Mexico  
Energy, Minerals and Natural Resources Department  
OIL CONSERVATION DIVISION

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

OIL CONSERVATION DIVISION

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

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'90 AUG 22 AM 11 27

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

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator AMOCO PRODUCTION COMPANY	Well API No. 300452623500
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 STATE GAS COM BF	Well No. 1E	Pool Name, including Formation BASIN DAKOTA (PRORATED GAS)	Kind of Lease State, Federal or <input checked="" type="checkbox"/> 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.)

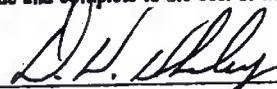
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

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

VI. OPERATOR CERTIFICATE OF COMPLIANCE

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

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

OIL CONSERVATION DIVISION

JUL 11 1990

Date Approved \_\_\_\_\_

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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	GAS	
OPERATOR		
PRORATION OFFICE		

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

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

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator  
Amoco Production Co.

Address  
501 Airport Drive, Farmington, N M 87401

Reason(s) for filing (Check proper box)

<input checked="" type="checkbox"/> New Well	Change in Transporter of:	Other (Please explain)
<input type="checkbox"/> 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

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

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OIL CON. DIV.  
DIST. 3

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 Fee	Lease No.
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 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 87499
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
Unit : <u>I</u> ; Sec. : <u>16</u> ; Twp. : <u>29N</u> ; Rge. : <u>9W</u>	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 deviated 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 multiple completed wells.

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



NOTICE OF GAS CONNECTION

DATE SEPTEMBER 24, 1985

9

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

GAS FROM AMOCO PRODUCTION CO STATE GAS COM BF #1-E  
Operator Well Name

95-366-01 75066-51 I 16-29-9  
Meter Code Site Code Well Unit S-T-R

BASIN DAKOTA EL PASO NATURAL GAS CO.  
Pool Name of Purchaser

WAS MADE ON August 29, 1985 FIRST DELIVERY September 11, 1985  
Date Date

AOF 6965

CHOKER 5082

EL 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

OT3 MIMOCU  
Altec

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  Fee

5. State Oil & Gas Lease No.  
E-5314

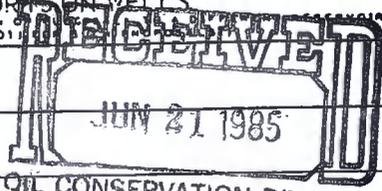
SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR TO REFRAC  
USE "APPLICATION FOR PERMIT - " IF FORM C-101)

OIL WELL  GAS WELL  OTHER

Name of Operator  
Amoco Production Co.  
Address of Operator  
501 Airport Drive, Farmington, N M

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 M.P.M.



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

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  PLUG AND ABANDON  REMEDIAL WORK  ALTERING CASING

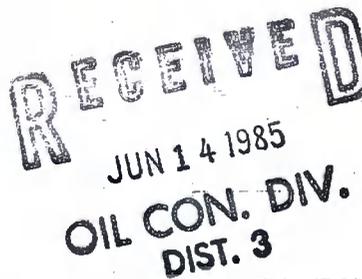
TEMPORARILY ABANDON  COMMENCE DRILLING OPERATIONS  CASING TEST AND CEMENT JOB  PLUG AND ABANDONMENT

WELL OR ALTER CASING  CHANGE PLANS  OTHER

OTHER Deepen well to lower Dakota & frac

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.



I, 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 # 3 DATE JUN 14 1985

CONDITIONS OF APPROVAL, IF ANY:

Permitting

FARMINGTON DISTRICT WORKOVER

DATE: June 4, 1984

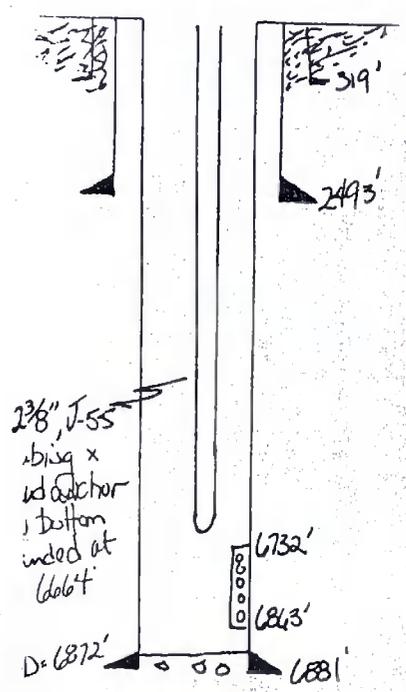
OPERATIONS TO BE PERFORMED: (CIRCLE ONE) RECOMPLETION REPAIR SERVICE  
 LEASE AND WELL State Gas Com BF No. 1 FIELD Brown Dakota  
 FORMATION Dakota LOGS Inducton - GR; Newton - GR  
 LOCATION 940' TALL X 190' FEI, Section 16, T29N, R9W, San Juan Co., NM  
 COMP. DATE 1/28/65 EL: 5878' KB TD: 6881 PBD: 6872  
 CSG: 10 3/4" 32.75 # H-40 @ 319'; 4 1/2" 10.5 # 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 BJV TWE GOM ~~BW~~ 6/PERMITTING DESK MCH. RGH BVD GMK  
 ENGR DNE

WELLBORE SKETCH

PROCEDURE



- Stimulation: Downell
1. MI x RUSU; ND Wellhead, NU 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 N<sub>2</sub> x AIR. When drilling out with a BUTTON BIT AND N<sub>2</sub> 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. Fitzer  
 DISTRICT ENGINEER Jim Atkinson  
 DISTRICT FOREMAN Tom Cannon  
 ENGINEER W. Schmitt  
 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 79,500 lb 20-40 mesh Brady sand. Job Pump RATE will be 15 bpm. Closely monitor backside pressure for annulus communication through upper parts. 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)
9,500/1369	5,500/1369	1	0	15
5,000/119	5,114/122	2	.5	15
5,000/119	5,228/124	3	1	15
7,500/176	8,012/191	4	1.5	15
12,500/298	13,638/325	5	2.0	15
7,500/176	8,353/197	6	2.5	15
5,000/119	5,683/135	7	3.0	15
1671/40	1671/40	8	PLUSH	15

6. Shut-in well overnight plus 24 hours. TL 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. Co open hole if necessary. When well is cleaned up, put back down sucker bar.

- Notes -

1. DISCONNECT CATHODIC protection and automation equipment before moving on location.
2. Burst as casing = 3800 psi  
" " 2 7/8" tubing = 5308 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 haul 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 MD 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 lb 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 BLWR and CLR.

9. Total job rate is 15 BPM

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

11. Keep tubing near bottom as possible.



074  
NM OGD, Artec

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

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

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):  
 New Well      Change in Transporter of:  
 Recompletion       Oil       Dry Gas  
 Change in Ownership       Casinghead Gas       Condensate  
 Other (Please explain):

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

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease State, Federal or Fee	Lease No.
State Gas Com BF	1E	Basin Dakota	Fee	

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

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

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

**RECEIVED**  
JUN 14 1985

APPROVED \_\_\_\_\_  
 BY [Signature]  
 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.

**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'			
TUBING, CASING, AND CEMENTING RECORD									
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)

OIL WELL			
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 (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
Back pressure	1865 psig	1895 psig	.75"

074 NMOCD Artec

Form C-105 Revised 11-1-84

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NEW MEXICO OIL CONSERVATION COMMISSION  
WITH COMPLETION OF 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  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

1. TYPE OF WELL

2. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER

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

3. 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	19. 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 0-TD	Cable Tools

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	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)

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

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Interval	Size	Depth Interval	Amount and Kind Material Used
6676'-6690', 6760'-6776', 4 jspf, .50" in diameter, total of 120 holes.		6676'-6776'	70,000 gal 70 quality foam and 105,000 # 20-40 sand.
6850'-6900', 4 jspf, .50" in diameter for a total of 200 holes.		6850'-6900'	70,000 gal 30# crosslinked gel and 75,000 #20-40 sand.

33. PRODUCTION

34. Date First Production  
5-8-85

35. Production Method (Flowing, gas lift, pumping - Size and type pump)  
Flowing

36. Well Status (Prod. or Shut-in)  
Shut-in

37. Date of Test 5-9-85	38. Hours Tested 3 hrs.	39. Choke Size .75"	40. Prod'n. For Test Period →	41. Oil - Bbl.	42. Gas - MCF 635	43. Water - Bbl.	44. Gas - Oil Ratio
45. Flow Tubing Press. 410 psig	46. Casing Pressure 1105 psig	47. Calculated 24-Hour Rate →	48. Oil - Bbl.	49. Gas - MCF 5082	50. Water - Bbl.	51. Oil Gravity - API (Corr.)	

52. Disposition of Gas (Sold, used for fuel, vented, etc.)  
To be sold

53. Test Witnessed By  
Bryan Services

54. List of Attachments  
None

55. 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

**INSTRUCTIONS**

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

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 _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup <u>5805</u>	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn <u>6560</u>	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota <u>6675</u>	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
			Ojo Alamo				Not logged above Gallup.
			Fruitland				
			Pictured Cliffs				
			Cliffhouse				
			Menefee				
			Point Lookout				
5805	6295		Gallup				
6560	6675		Greenhorn				
6675	6890		Dakota				

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION  
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.

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

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

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

<p>NOTICE OF INTENTION TO:</p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/></p> <p>WELL OR ALTER CASING <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>	<p>PLUG AND ABANDON <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>	<p>SUBSEQUENT REPORT OF:</p> <p>REMEDIATION WORK <input type="checkbox"/></p> <p>COMMENCE DRILLING OPS. <input type="checkbox"/></p> <p>CASING TEST AND CEMENT JOB <input type="checkbox"/></p> <p>OTHER <u>Completion</u> <input checked="" type="checkbox"/></p>	<p>ALTERING CASING <input type="checkbox"/></p> <p>PLUG AND ABANDONMENT <input type="checkbox"/></p>
---	---	--	--

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', 6760'-6776', 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 Shaw  
3rd

TITLE Adm. Supervisor DATE 5-22-85

TITLE SUPERVISOR DISTRICT 3 DATE MAY 28 1985

COPIES OF APPROVAL, IF ANY:

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

OIL CONSERVATION DIVISION

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"
Cq. 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.G. or G.O. Multiple Single	Packer Set At None	County San Juan
Producing Thru Tubing	Reservoir Temp. °F #	Mean Annual Temp. °F
		Baro. Press. - P <sub>g</sub> NM
L	H	G <sub>g</sub>
		% CO <sub>2</sub>
		% N <sub>2</sub>
		% H <sub>2</sub> S
		Prover
		Meter Run
		Taps

NO.	FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
	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.	
SI	7 days						1865		1895	
1.	2.375		.750				410		1105	3 hrs
2.										
3.										
4.										
5.										

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
2.							
3.							
4.							
5.							

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

P <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>i</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>
1		1117	1247689
			2388960
2			
3			
4			
5			

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 6965$

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:
-----------------------	------------------------------	------------------------------	-------------

0 + 5/11/85  
fztc

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  Fee

5. State Oil & Gas Lease No.

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

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

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

WELL OR ALTER CASING

OTHER

PLUG AND ABANDON

CHANGE PLANS

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOBS

ALTERING CASING

PLUG AND ABANDONMENT

OTHER Spud and Set Casing

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.

MAY 15 1985  
OIL CONSERVATION DIVISION  
SANTA FE

RECEIVED  
MAY 01 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.

BY BDS Shaw

TITLE Adm. Supervisor

DATE 4/29/85

APPROVED BY [Signature]

SUPERVISOR DISTRICT # 3

TITLE

DATE MAY 01 1985

CONDITIONS OF APPROVAL, IF ANY:



# 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 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  
MV Group

NM-1813-92

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