



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**Bill Richardson**  
Governor  
**Joanna Prukop**  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division

January 21, 2003

Office of the Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, DC 20426  
Attn: Marilyn Rand

**RE: BP America Production Company**  
**Hutton Gas Com No. 1E**  
**Sammons Gas Com C No. 1E**  
**State Gas Com BF No. 1E**

Ms. Rand:

Enclosed are your copies of the approved NGPA applications for the above applicant.

Sincerely,

A handwritten signature in cursive script that reads "Kathy Valdes".

Kathy Valdes

Enclosures

## State of New Mexico

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

2040 PACHECO ST. 1220 South St. Francis Drive

Santa Fe, NM 87505

TF-03-002

FOR DIVISION

USE ONLY:

APPLICATION FOR WELLHEAD PRICE CEILING CATEGORY DETERMINATION

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

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

5A. Indicate Type of Lease

STATE ☐ FEE ☒

5. State Oil &amp; Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

Hutton Gas Com

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 F LOCATED 1800 FEET FROM THE NORTH LINEAND 1815 FEET FROM THE WEST LINE OF SEC. 06 TWS. 29N RGE. 12W NMPM

9. Well No.

1E

10. Field and Pool, or Wildcat

Basin Dakota

12. County

San Juan

11. Name and Address of Purchaser(s)

El Paso Field Services

API No. 30-045-24152

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 Reules of Applications for Wellhead Price Ceiling Category Determinations" as follows:

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

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

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

☐ All items required by Rule 15

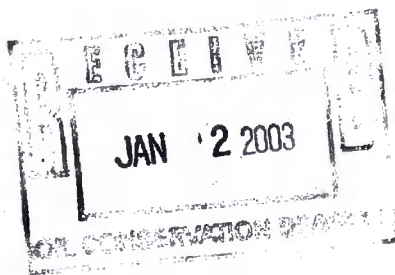
C. NEW ONSHORE PRODUCTION WELL UNDER SEC. 103

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

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

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

E. STRIPPER WELL NATURAL GAS UNDER SEC. 108

☐ All items required by Rule 18

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

Mary Corley

NAME OF APPLICANT (TYPE OR PRINT)

SIGNATURE OF APPLICANT

Title Senior Regulatory AnalystDate December 17, 2002

FOR DIVISION USE ONLY

☒ Approved☐ Disapproved

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

EXAMINER

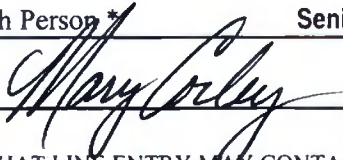
**A. THE NGPA WELL CATEGORY DETERMINATION IS BEING SOUGHT FOR A WELL PRODUCING:**

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

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

1. Well Name and No.\* **Hutton Gas Com 1E**
2. Completed in (Name of Reservoir) \* **Dakota**
3. Field \* **Basin Dakota**
4. County \* **San Juan**
5. State \* **New Mexico**
6. API Well No. (14 digits maximum. If not assigned, leave blank.) **30-045-24152**
9. Measured Depth of the Completed Interval (in feet)  
TOP **5906'** BASE **6088'**

**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

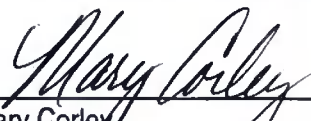
BEFORE ME, the undersigned authority, duly commissioned and qualified within and for the State and County aforesaid, personally came and appeared Mary Corley, who being by me first duly sworn, deposed and said:

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.

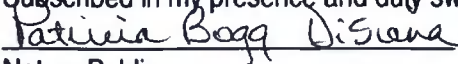
That production from the Hutton Gas Com well # 1E, API No. 30-045-24152 is natural gas produced from a FERC designated tight formation, assigned State No. NM - 36 through:

- X   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.

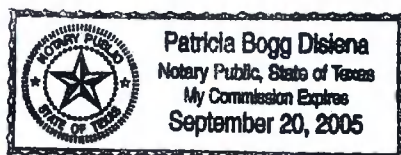
  
\_\_\_\_\_  
Mary Corley  
Senior Regulatory Analyst

Subscribed in my presence and duly sworn to before me, this 17 day of December, 2002.

  
\_\_\_\_\_  
Notary Public

My Commission Expires:

BLM Affidavit





San Juan Performance Unit

Mary Corley  
WL1-19.171  
281-366-4491 (direct)  
281-366-0700 (FAX)  
corleym1@bp.com

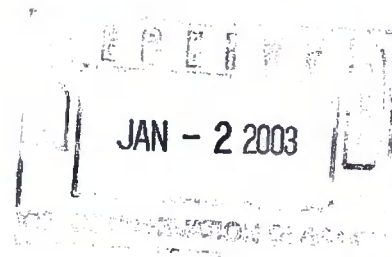
P. O. Box 3092  
Houston, Texas 77253-3092  
501 Westlake Park Boulevard  
Houston, Texas 77079

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**

**Hutton Gas Com Well No. 1E - ~~Mesa Verde~~ *Dakota*  
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,

*Mary Corley*  
Mary Corley  
Sr. Regulatory Analyst

Enclosures

Cc: Working Interest Owners



OIL CONSERVATION DIV.

03 JAN -2 PM 2:39

San Juan Performance Unit

Mary Corley  
WL1-19.171  
281-366-4491 (direct)  
281-366-0700 (FAX)  
[corleym1@bp.com](mailto:corleym1@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**

*API No. 30-045-24152*

Attached please find a check in the amount of \$25.00 payable to the State of New Mexico for NGPA Section 107 Well Category Determinations for the below listed BP America Production Company well.

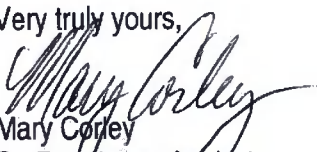
Hutton Gas Com Well # 1E

*Basin Dakota*  
~~Mesaville~~ Pool

NM - ~~48~~  
36

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 well.

Very truly yours,

  
Mary Corley  
Sr. Regulatory Analyst

Enclosures





BP America Production Company  
509 South Boston  
Tulsa, OK 74103

62-20  
311

CHECK NO. 0800526173

12/18/02

PAY TO THE  
ORDER OF

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

\*\*\*\*\*\$25.00

NOT VALID AFTER 6 MONTHS

*Twenty five and 00/100 Dollars*

TRACE NUMBER: 2000447559

Authorized Signature

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

⑈0800526173⑈ ⑆031100209⑆

39116481⑈

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

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

Hutton Gas Com

9. Well No.

1E

10. Field and Pool, or Wildcat

Basin Dakota

12. County

San Juan

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

DRY ☐

OTHER

2. TYPE OF COMPLETION

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☐

DIFF. RESVR. ☐

OTHER

3. Name of Operator

Amoco Production Company

4. Address of Operator

501 Airport Drive, Farmington, NM 87401

5. Location of Well

6. NEIT LETTER E LOCATED 1800 FEET FROM THE North LINE AND 1815 FEET FROM

7. West LINE OF SEC. 6 TWP. 29N RGE. 12W NMPM

8. Date Spudded 4-14-80 16. Date T.D. Reached 4-26-80 17. Date Compl. (Ready to Prod.) 6-6-80 18. Elevations (DF, RKB, RT, GR, etc.) 5388' GL 19. Elev. Casinghead

20. Total Depth 6200' 21. Plug Back T.D. 6110' 22. If Multiple Compl., How Many 0-TD 23. Intervals Drilled By Rotary Tools Cable Tools

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

5066-6088', 6000-6024', 5980-6000', 5932-5971', 5906-5922'; Dakota

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

Production Elec.-GR-SP, BSC-6200'; GR-Sur.-2000', Compensated Neutron-Compen-

27. Was Well Cored

No

CASING RECORD (Report all strings set in well) sated Form. Density-GR, BSC-6200'

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24.0#	299'	12-1/4"	315 SX	-----
4-1/2"	11.6#	6200'	7-7/8"	1269 SX	-----

LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	6092'	None

31. Perforation Record (Interval, size and number)

5066-6088', 6000-6024', 5980-6000', 5932-5971', 5906-5922', with 2 SPF, a total of 182 .38" holes.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>5906-6088'</u>	<u>205,000 gal of frac fluid x</u>
	<u>384,000# of 20-40 sand</u>

## PRODUCTION

33. 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.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
<u>8-26-80</u>	<u>3 hours</u>	<u>.75</u>			<u>347</u>		
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
<u>224 PSIG</u>	<u>810 PSIG</u>			<u>2775</u>			

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

To be sold

Test Witnessed By

35. 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 [Signature] TITLE Dist. Adm. Supvr. DATE 9-12-80



NAME OF COMPANY	
LOCATION	
DATE	
U.S. G.S.	
CARD OFFICE	
OPERATOR	

1A. Indicate Type of Lease  
STATE ☐ FEDERAL ☒  
2. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
b. Type of Well  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐  
GIL WELL ☐ CAR WELL ☒ OTHER INFILL SINGLE ZONE ☒ MULTIPLE ZONE ☐

7. Unit Agreement Name  
8. Name of Lease Name  
Hutton Gas Com

2. Name of Operator  
AMOCO PRODUCTION COMPANY

9. Well No.  
1E

3. Address of Operator  
501 Airport Drive, Farmington, New Mexico 87401

10. Field and Pool, or Wildcat  
Basin Dakota

4. Location of Well  
UNIT LETTER F LOCATED 1800 FEET FROM THE North LINE  
1815 FEET FROM THE West LINE OF SEC. 6 TWP. 29N RGE. 12W

12. County  
San Juan

11. Interventions (Show whether Dr., R.L., etc.) 5388' GL	21A. Kind & Status Plug. Bond Statewide	12. Proposed Depth 6230'	19A. Formation Dakota	20. Rotary or C.T. Rotary
	21B. Drilling Contractor Unknown	22. Approx. Date Work will start March 1, 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"	8-5/8"	24#	300'	315	Surface
7-7/8"	4-1/2"	11.6#	6230'	1200	Surface

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 location will be cleaned and the reserve pit filled and leveled.

Gas produced from this well is dedicated to El Paso Natural Gas Co.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. 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.

Original Signed By B. F. Fawcett Title District Engineer Date January 4, 1980  
(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

PM 36

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

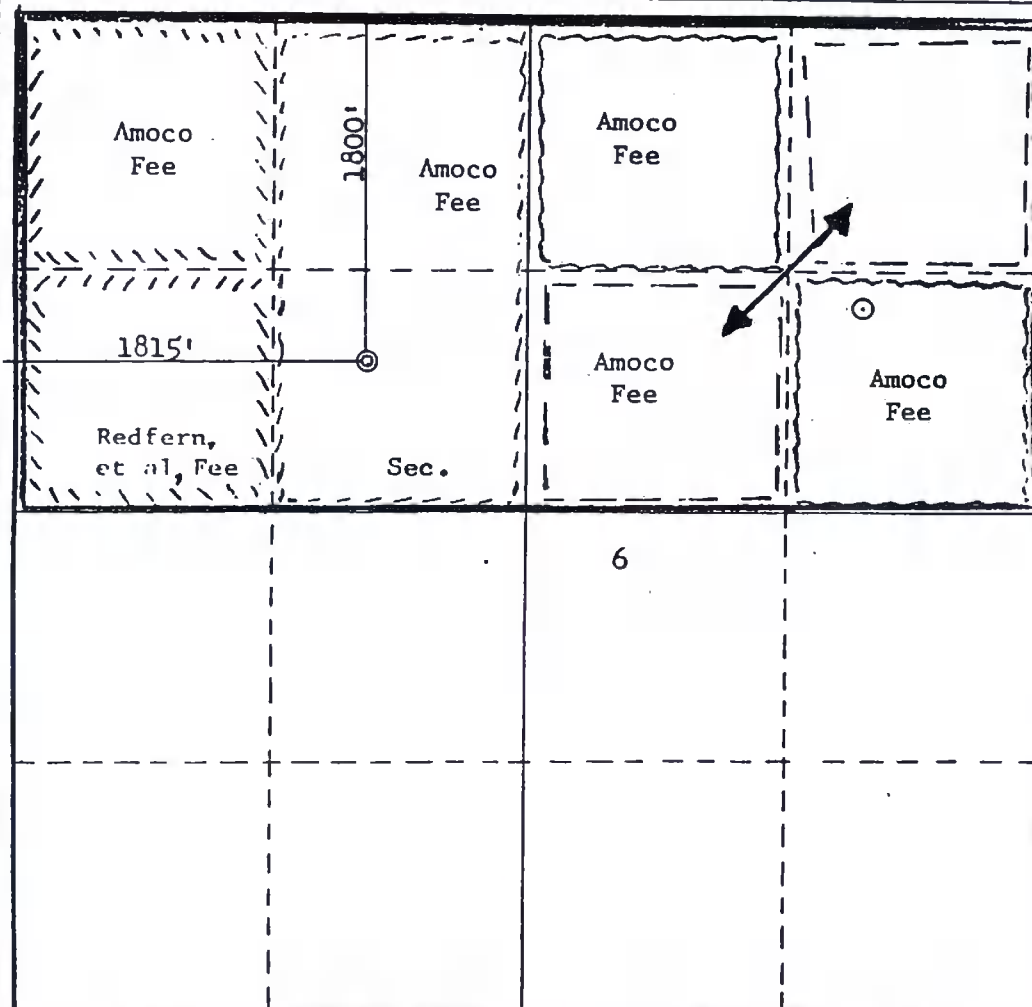
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>HUTTON GAS COM</b>		Well No. <b>1-E</b>
Unit Letter <b>F</b>	Section <b>6</b>	Township <b>29N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Footage Location of Well:					
1800 feet from the North line and		1815 feet from the West line			
Ground Level Elev. <b>5388</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>317.94</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Communitization

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

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



CERTIFICATION

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

*B. E. Fackrell*

Name

**B. E. FACKRELL**

Position

**DISTRICT ENGINEER**

Company

**AMOCO PRODUCTION COMPANY**

Date

**DECEMBER 7, 1979**

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

Date Surveyed

**November 27, 1979**

Registered Professional Engineer and/or Land Surveyor

*Fred B. Kerr, Jr.*  
**Fred B. KERR, JR.**  
3950

Submit 3 Copies  
to Appropriate  
District Office

OIL CONSERVATION DIVISION  
RECEIVED

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

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

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

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	3004524152
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Hutton Gas Com
8. Well No.	1E
9. Pool name or Wildcat	Basin Dakota
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	5388' GR

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	
2. Name of Operator Amoco Production Company	Attention: Patty Haeefe
3. Address of Operator P.O. Box 800 Denver Colorado 80201 (303) 830-4988	
4. Well Location Unit Letter F : 1800 Feet From The North Line and 1815 Feet From The West Line Section 6 Township 29N Range 12W NMMP San Juan County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5388' GR	

11. 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"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: Repair leak, reperf <input checked="" type="checkbox"/>

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.

Amoco Production Company has performed the following repair work on this well:

MIRUSU 1/12/96. Set RBP at 4300'. Set tubing plug at 6050' to control gas flow while tripping out. Pressure test casing to 500 psi, bled off 150 psi in 5 min, isolate leaks. Spot cement from 3354-3690' with 30 sx Class B, 15.6 ppg. Set packer and squeeze leaks at 1000 psi. Drill out cement to 3700', circulate hole clean, pressure test squeeze to 500 psi, held ok. Reperforate Dakota zone at: 5905-5922' and 5980-6025' with 2 JSPF, .340" diameter, 124 total shots, 3.125" gun, 120 deg phasing, 12.5 gms. Cleanout 3354-3700'. Land tubing at 6003'. RDMOSU 1/24/96.

RECEIVED  
MAR 4 1996

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

SIGNATURE Patty Haeefe TITLE Staff Assistant DATE 03-01-1996  
TYPE OR PRINT NAME Patty Haeefe TELEPHONE NO. (303) 830-4988

(This space for State Use)

APPROVED BY Ernie Busch TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAR - 5 1996

CONDITIONS OF APPROVAL, IF ANY:



Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

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

OIL CONSERVATION DIVISION

P.O. Box 2088

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

Santa Fe, New Mexico 87504-2088

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

WELL API NO.	3004524152
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Hutton Gas Com
8. Well No.	1E
9. Pool name or Wildcat	Basin Dakota

SUNDY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	
2. Name of Operator Amoco Production Company	Attention: Patty Haefele
3. Address of Operator P.O. Box 800 Denver Colorado 80201 (303) 830-4988	
4. Well Location Unit Letter F : 1800 Feet From The North Line and 1815 Feet From The FWL Line Section 6 Township 29N Range 12W NMPM San Juan County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5388' GR	

11. 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"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER: Repair leak, reperf <input checked="" 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 work) SEE RULE 1103.

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

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

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

SIGNATURE Patty Haefele TITLE Staff Assistant DATE 01-09-1996  
TYPE OR PRINT NAME Patty Haefele TELEPHONE NO. (303) 830-4988

(This space for State Use)  
APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT #3 DATE JAN 10 1996  
CONDITIONS OF APPROVAL, IF ANY:

# SJOET Well Work Procedure

## Hutton Gas Com #1E

Version: Final  
Date: 1/2/96  
Budget: DRA/Well Repair  
Repair Type: Casing Failure

---

### Objectives: Repair Casing Leak and Re-perf Dakota Horizon.

1. Contact Agency
  2. Repair Leak
  3. Perforate Dakota
  4. Return to Production
- 

### Pertinent Information:

Location:	6F - 29N - 12W	Form:	Dakota
County:	San Juan	API #:	300-45-2415200
State:	New Mexico	Engr:	Yamasaki
Lease:	Fee	Phone:	H--(303)202-0361
Well Flac:	842074		W-(303)830-5841
			P--(303)533-6437

---

### Economic Information:

APC WI:	90.15%	DK Prod. Before Repair:	0 MCFD
Estimated Cost:	\$ 35,000	DK Anticipated Prod.:	100 MCFD
Payout:	11 Months*		
Max Cost -12 Mo. P.O.	\$ M*		
PV15:	\$ M		
Max Cost PV15:	\$ M		

### Note:

---

### Formation Tops: (Estimated formation tops)

Nacimiento:		Menefee:	3400
Ojo Alamo:	1050	Point Lookout:	3705
Kirtland Shale:	1160	Mancos Shale:	4010
Fruitland:		Gallup:	5050
Pictured Cliffs:	1450	Graneros:	
Lewis Shale:		Dakota:	6020
Cliff House:	2985	Morrison:	

### Bradenhead Test Information:

Test Date: 5/8/95    Tubing: 622    Casing: 622    BH: 4

Time	BH	CSG	INT	CSG
5 min	0	626		
10 min	0	630		
15 min	0	630		

---

Comments: Down to nothing.



**Hutton Gas Com #1E**

**TD = 6200', PBTD = 6100'**

**Page 2 of 2**

1. Contact State prior to starting repair work.
2. Test anchors, install if necessary. MISURU.
3. Blow down and kill well if absolutely necessary kill with 2% KCL
4. TOH with tubing. Isolate Dakota with Wireline BP.
5. TIH with RBP X Packer. Hunt for leak. (Suspected in the Mesa Verde)
6. Isolate leak. Dump sand on top of RBP.
7. Spot Cement plug across failure. Pressure up cement.
8. Drill out plug; test to 500#.
9. CO fill to 6050! (note: not to PBTD)
9. RU wireline unit with packoff. Perforate the following intervals UNDERBALANCED! (~ 100 FT of fluids above guns) with 2 jspf, 120 degree phasing, using 3 1/8" HSC-Ported guns (12.5 gm, 0.34" EHD, 13.1 TTP) correlate to Schlumberger's Induction Log Dated 4/27/80:  
5905-5922  
5980-6025
10. TIH with standard assembly land intake at 6,000'. Clean out fill if present.
11. RDMOSU. Return to production. Swab in if necessary.

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

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

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-104  
Revised 1-1-89  
See Instructions  
DIVISION of Page

OIL CONSERVATION DIVISION  
RECEIVED  
90 AUG 22 AM 10 46

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator AMOCO PRODUCTION COMPANY	Well API No. 300452415200
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 HUTTON GAS COM	Well No. 1E	Pool Name, including Formation BASIN DAKOTA ( <del>PROBATED GAS</del> )	Kind of Lease State, Federal or Fee	Lease No.
Location				
Unit Letter F	: 1800	Feet From The FNL	Line and 1815	Feet From The FWL
Section 06	Township 29N	Range 12W	SAN JUAN County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

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

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Gas-MCF  
JUL 5 1990

GAS WELL

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

VI. OPERATOR CERTIFICATE OF COMPLIANCE

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

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

OIL CONSERVATION DIVISION

Date Approved JUL 5 1990  
By [Signature]  
Title SUPERVISOR DISTRICT 13

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

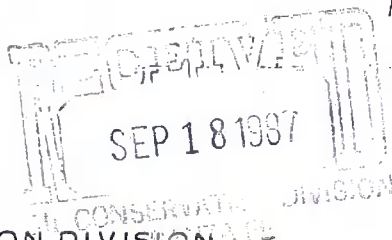
- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes 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	
PROMOTION OFFICE	

OIL CONSERVATION DIVISION

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



Form C-104  
Revised 10-01-78  
Format C8-01-83  
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 Hutton Gas Com	Well No. 1E	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee Fee	Lease No.
Location				
Unit Letter F : 1800 Feet From The North Line and 1815 Feet From The West				
Line of Section 6 Township 29N Range 12W NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Permian Corp. Permian (Eff. 9 / 1 / 87)	P. O. Box 1702 Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 990 Farmington, NM 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
F 6 29N 12W	

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

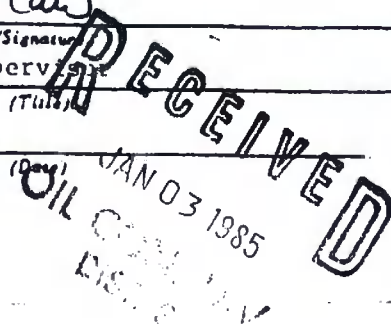
I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

BD Shaw  
(Signature)  
Admin. Supervisor  
(Title)  
1-2-85

OIL CONSERVATION DIVISION

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

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



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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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 06-01-83  
Page 1

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Amoco Production Company

Address  
501 Airport Drive Farmington, NM 87401

Reason(s) for filing (Check proper box)

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

Other (Please explain)

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Hutton Gas Com	Well No. 1E	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee Fee	Lease No.
Location				
Unit Letter F : 1800 Feet From The North Line and 1815 Feet From The West				
Line of Section 6 Township 29N Range 12W NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Permian Corp.	P. O. Box 1702 Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 990 Farmington, NM 87401
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
F 6 29N 12W	

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.

BD Shaw

(Signature)

Admin. Supervisor

1-2-85

(Date)

RECEIVED  
JAN 03 1985  
OIL CON. DIV.  
DIST. 2

OIL CONSERVATION DIVISION

APPROVED Charles Johnson JAN 22, 1985

BY

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.



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

NOTICE OF GAS CONNECTION

DATE February 10, 1981

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

GAS FROM Amoco Production Company Hutton Gas Com. #1-E  
Operator Well Name

93-482-01 73941-51 F 6-29-12  
Meter Code Site Code Well Unit S-T-R

Basin Dakota El Paso Natural Gas Company  
Pool Name of Purchaser

WAS MADE ON February 2, 1981 FIRST DELIVERY February 3, 1981  
Date Date

AOF 3,715

CHOKE 2,775

El Paso Natural Gas Company  
Purchaser

Original Signed by  
Charles A. Thomas

Representative

Assistant Chief Dispatcher  
Title

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

File







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NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND

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

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

DEC 22 1980

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

If change of ownership give name  
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name <b>Hutton Gas Com</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>F</b> : <b>1800</b> Feet From The <b>North</b> Line and <b>1815</b> Feet From The <b>West</b> Line of Section <b>6</b> Township <b>29N</b> Range <b>12W</b> , NMPM, <b>San Juan</b> County				

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 <b>F</b>	Sec. <b>6</b>	Twp. <b>29N</b>	Rge. <b>12W</b>	Is gas actually connected? <b>No</b>	When

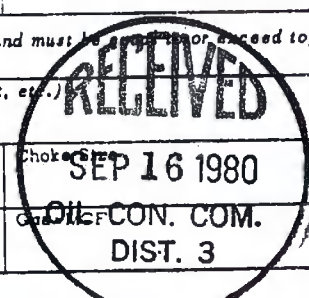
If this production is commingled with that from any other lease or pool, give commingling order number:

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>4-14-80</b>	Date Compl. Ready to Prod. <b>6-6-80</b>	Total Depth <b>6200'</b>		P.B.T.D. <b>6110'</b>				
Elevations (DF, RKB, RT, GR, etc.) <b>5388' GL</b>	Name of Producing Formation <b>Dakota</b>	Top Oil/Gas Pay <b>5906'</b>		Tubing Depth <b>6092'</b>				
Perforations <b>6066-6088', 6000-6024', 5980-6000', 5932-5971', 5906-5922'</b>				Depth Casing Shoe <b>6200'</b>				
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<b>12-1/4"</b>	<b>8-5/8", 24.0#</b>		<b>299'</b>		<b>315</b>			
<b>7-7/8"</b>	<b>4-1/2", 11.6#</b>		<b>6200'</b>		<b>1269</b>			
	<b>2-3/8"</b>		<b>6092'</b>					

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be sufficient to allow-able 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 Size
Length of Test	Tubing Pressure	Water-Bbls.	
Actual Prod. During Test	Oil-Bbls.		



GAS WELL			
Actual Prod. Test-MCF/D <b>2775</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>1348 PSIG</b>	Casing Pressure (Shut-in) <b>1436 PSIG</b>	Choke Size <b>.75</b>

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. Saboda*  
(Signature)  
District Administrative, Supervisor  
(Title)  
**9-11-80**  
(Date)

OIL CONSERVATION COMMISSION  
APPROVED **12-17 DEC 17 1980**  
BY *Sam J. Chang*  
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 allow-able on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply-completed wells.

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

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

6. TYPE OF WELL

1. TYPE OF COMPLETION

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

7. Unit Agreement Name	
------------------------	--

\_\_\_\_\_

8. Farm or Lease NameHutton Gas Com

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 F LOCATED 1800 FEET FROM THE North LINE AND 1815 FEET FROM

[illegible]

West LINE OF SEC. 6 TWP. 29N RGE. 12W NMPM

12. County	
------------	--

San Juan	
----------	--

1. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
-----------------	-----------------------	----------------------------------	--	----------------------

4-14-80	4-26-80	6-6-80	5388' GL
---------	---------	--------	----------

1. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How	23. Intervals	Rotary Tools	Cable Tools
----------------	--------------------	-----------------------------	---------------	--------------	-------------

6200'	6110'	Many	Drilled By :	O-TD
-------	-------	------	--	------

1. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey
--	----------------------------

		Made
--	--	------

6066-6088', 6000-6024', 5980-6000', 5932-5971', 5906-5922'; Dakota	No.
--	-----

26. Type Electric and Other Logs Run	27. Was Well Cored
--------------------------------------	--------------------

duction Elec.-GR-SP. BSC-6200'; GR-Sur.-2000', Compensated Neutron-Compen- No

CASING RECORD (Report all strings set in well) sated Form. Density-GR. BSC-6200'

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24.0#	299'	12-1/4"	315 sx	-----
4-1/2"	11.6#	6200'	7-7/8"	1269 sx	-----

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	6092'	None

Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5906-6088', 6000-6024', 5980-6000', 5932-5971',	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5906-5922', with 2 SPF, a total of 182.38" holes.	5906-6088'	205,000 gal of frac fluid x 384,000# of 20-40 sand

First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Producing or Shut-in)
------------------	---	------------------------------------

Rate of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8-26-80	3 hours	.75	→		347		
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	CON. Gravity - API (Corr.)	
224 PSIG	810 PSIG	→		2775			

Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
--	-------------------

To be sold

• 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.

600 1 1

Signed: P. J. Lusk P. J. Lusk Adm. Supvr. 9-12-80

SIGNED [Signature] TITLE Dist. Adm. Supvl. DATE 7-12-80

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.

### Southeastern New Mexico

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

### Northwestern New Mexico

T. Ojo Alamo	1050'	T. Penn. "B"	
T. Kirtland-Fruitland	1160'	T. Penn. "C"	
T. Pictured Cliffs	1415'	T. Penn. "D"	
T. Cliff House	2985'	T. Leadville	
T. Menefee	3400'	T. Madison	
T. Point Lookout	3705'	T. Elbert	
T. Mancos	4010'	T. McCracken	
T. Gallup	5050'	T. Ignacio Qtzite	
Base Greenhorn	5700'	T. Granite	
T. Dakota	6020'	T.	
T. Morrison		T.	
T. Todilto		T.	
T. Entrada		T.	
T. Wingate		T.	
T. Chinle		T.	
T. Permian		T.	
T. Penn. "A"		T.	

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

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



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

Form C-132  
 Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special						Test Date 08 26 80	
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS CO.			
Pool BASIN				Formation DAKOTA		Unit	
Completion Date 06 06 80		Total Depth 6200		Plug Back TD 6110		Elevation 5388 GL	
Farm or Lease Name HUTTON GAS COM							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6200	Perforations: From 5906 To 6088		Well No. 1E	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6092	Perforations: From open To ended		Unit    Sec.    Twp.    Rge. F    6    29N    12W	
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>a</sub>	
State NEW MEXICO							
L	H	Gg	% CO <sub>2</sub>	% N <sub>2</sub>	% H <sub>2</sub> S	Prover	Meter Run    Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	9 days						1348		1436		3 hrs
1.	2.375	.750					224		810		
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		236	1.000	.9258	1.027	2775
2.							
3.							
4.							
5.							

NO.	P <sub>r</sub>	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	1448	2096704		A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.				Specific Gravity Separator Gas	XXXXXX
3.				Specific Gravity Flowing Fluid	XXXXXX
4.				Critical Pressure	P.S.I.A.
5.				Critical Temperature	R

NO.	P <sub>i</sub>	P <sub>w</sub>	P <sub>i</sub> <sup>2</sup>	P <sub>w</sub> <sup>2</sup>	P <sub>i</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
1		822	675684	1421020	
2					
3					
4					
5					

$$(1) \frac{P_c^2}{P_i^2 - P_w^2} = 1.4755$$

$$(2) \left[ \frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 1.3388$$

$$AOF = Q \left[ \frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 3715$$

Absolute Open Flow	3715	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
--------------------	------	----------------	------------------	--------------

Remarks:

Approved By Commission	Conducted By	Calculated By	Checked By
	JJB	J J BARNETT	W L PETERSON



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# NEW MEXICO OIL CONSERVATION COMMISSION

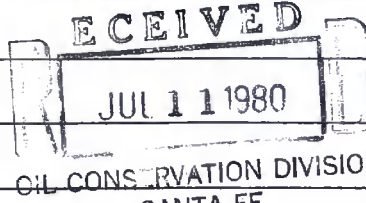
Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

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

## SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>
Name of Operator Amoco Production Company		
Address of Operator 501 Airport Drive Farmington, NM 87401		
Location of Well UNIT LETTER <u>F</u> <u>1800</u> FEET FROM THE <u>North</u> LINE AND <u>1815</u> FEET FROM THE <u>West</u> LINE, SECTION <u>6</u> TOWNSHIP <u>29N</u> RANGE <u>12W</u> NMPM.		



15. Elevation (Show whether DF, RT, GR, etc.) 5388' GL
---

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 JOBS <input type="checkbox"/>	completion <input type="checkbox"/>

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

Completion operations commenced on 5-31-80. Total depth of the well is 6200' and plugback depth is 6110'. Perforated intervals from 6066-6088', 6000-6024', 5980-6000', 5971-5932', and 5906-5922', with 2 SPF, a total of 182, .38" holes. Sand-water fraced with 205,000 gal of frac fluid and 384,000# of 20-40 sand. Landed 2-3/8" tubing at 6092'. Swabbed the well and released the rig on 6-6-80.

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

SIGNED Ed Svoboda TITLE Dist. Adm. Supvr. DATE 7-1-80

APPROVED BY Chas. Gibson TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JUL 7 1980

CONDITIONS OF APPROVAL, IF ANY:



JUL 7 1980

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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 <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
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 <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER-
Name of Operator <b>Amoco Production Company</b>		
Address of Operator <b>501 Airport Drive Farmington, NM 87401</b>		
Location of Well <b>SANTA FE</b>		
UNIT LETTER <b>F</b>	<b>1800</b>	FET FROM THE <b>North</b> LINE AND <b>1815</b> FET FROM
THE <b>West</b> LINE, SECTION <b>6</b>	TOWNSHIP <b>29N</b>	RANGE <b>12W</b> NMPM.

7. Unit Agreement Name
8. Farm or Lease Name <b>Hutton Gas Com</b>
9. Well No. <b>1E</b>
10. Field and Pool, or Wildcat <b>Basin Dakota</b>
12. County <b>San Juan</b>

15. Elevation (Show whether DF, RT, GR, etc.)  
**5388' GL**

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 JQB <input type="checkbox"/>	Spud & Set Casing <input type="checkbox"/>

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

added a 12-1/4" hole on 4-14-80 and drilled to 301'. Set 8-5/8", 24.0# surface casing at 299' on 18-80 and cemented with 315 sx of class "B" Neat cement containing 2% CaCl<sub>2</sub>. Good cement was circulated to the surface.

illed a 7-7/8" hole to a TD of 6200'. Set 4-1/2", 11.6# production casing at 6200' on 4-27-80 and cemented in two stages:

Used 314 sx of class "B" Neat cement containing 50:50 Poz, 6% gel, 2# Medium tuf plug per sx, and .8% fluid loss additives. This was tailed in with 100 sx of class "B" Neat cement.

Used 755 sx of class "B" Neat cement containing 65:35 Poz, 6% gel, 2# Medium tuf plug per sx, and .8% fluid loss additives. This was tailed in with 100 sx of class "B" Neat cement. No cement was circulated to the surface on either the first or second stage.

e DV tool was set at 4310'.

e rig was relased on 4-28-80.



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

SIGNED <u>[Signature]</u>	TITLE <b>Dist. Adm. Supvr.</b>	DATE <b>5-6-80</b>
APPROVED BY <u>[Signature]</u>	TITLE <b>SUPERVISOR DISTRICT # 3</b>	DATE <b>MAY 8 1980</b>
CONDITIONS OF APPROVAL, IF ANY:		

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# NEW MEXICO OIL CONSERVATION COMMISSION

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

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

## SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER- INFILL
Name of Operator AMOCO PRODUCTION COMPANY		
Address of Operator 501 Airport Drive, Farmington, New Mexico 87401		
Location of Well UNIT LETTER F, 1800 FEET FROM THE North LINE AND 1815 FEET FROM THE West LINE, SECTION 6 TOWNSHIP 29N RANGE 12W NMPM.		

15. Elevation (Show whether DF, RT, GR, etc.) 5388' GL
---

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

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

This is to request an extension of approval for drilling, as the approval expires April 8, 1980. Our plans call for drilling this well in the near future.



APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,  
EXPIRES 7-7-80



18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.		
SIGNED <u>B.E. Jackwell</u>	TITLE <u>District Engineer</u>	DATE <u>April 3, 1980</u>
APPROVED BY <u>Frank S. Long</u>	TITLE <u>SUPERVISOR DISTRICT #2</u>	DATE <u>APR 4 1980</u>
CONDITIONS OF APPROVAL, IF ANY:		



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OPERATOR	1

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

JAN 1 1980

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

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

2. Type of Well

OIL WELL ☐GAS WELL ☒

OTHER INFILL

SINGLE ZONE ☒MULTIPLE ZONE ☐

3. Name of Operator

AMOCO PRODUCTION COMPANY

4. Address of Operator

501 Airport Drive, Farmington, New Mexico 87401

5. Location of Well

UNIT LETTER F LOCATED 1800 FEET FROM THE North LINE

NG 1815 FEET FROM THE West LINE OF SEC. 6 TWP. 29N RGE. 12W

7. Unit Agreement Name

8. Firm or Lease Name

Hutton Gas Com

9. Well No.

1E

10. Field and Pool, or Wildcat

Basin Dakota

12. County

San Juan

13. Proposed Depth	19A. Formation	20. Rotary or C.T.
6230'	Dakota	Rotary
14. Elevations (Show whether DJ, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor
5388' GL	Statewide	Unknown
		22. Approx. Date Work will start
		March 1, 1980

3.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24#	300'	315	Surface
7-7/8"	4-1/2"	11.6#	6230'	1200	Surface

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 location will be cleaned and the reserve pit filled and leveled.

Gas produced from this well is dedicated to El Paso Natural Gas Co.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 4-8-80

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE 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. Jackson Title District Engineer Date January 4, 1980

(This space for State Use)

APPROVED BY Frank J. Dancy TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JAN 8 1980

CONDITIONS OF APPROVAL, IF ANY:



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

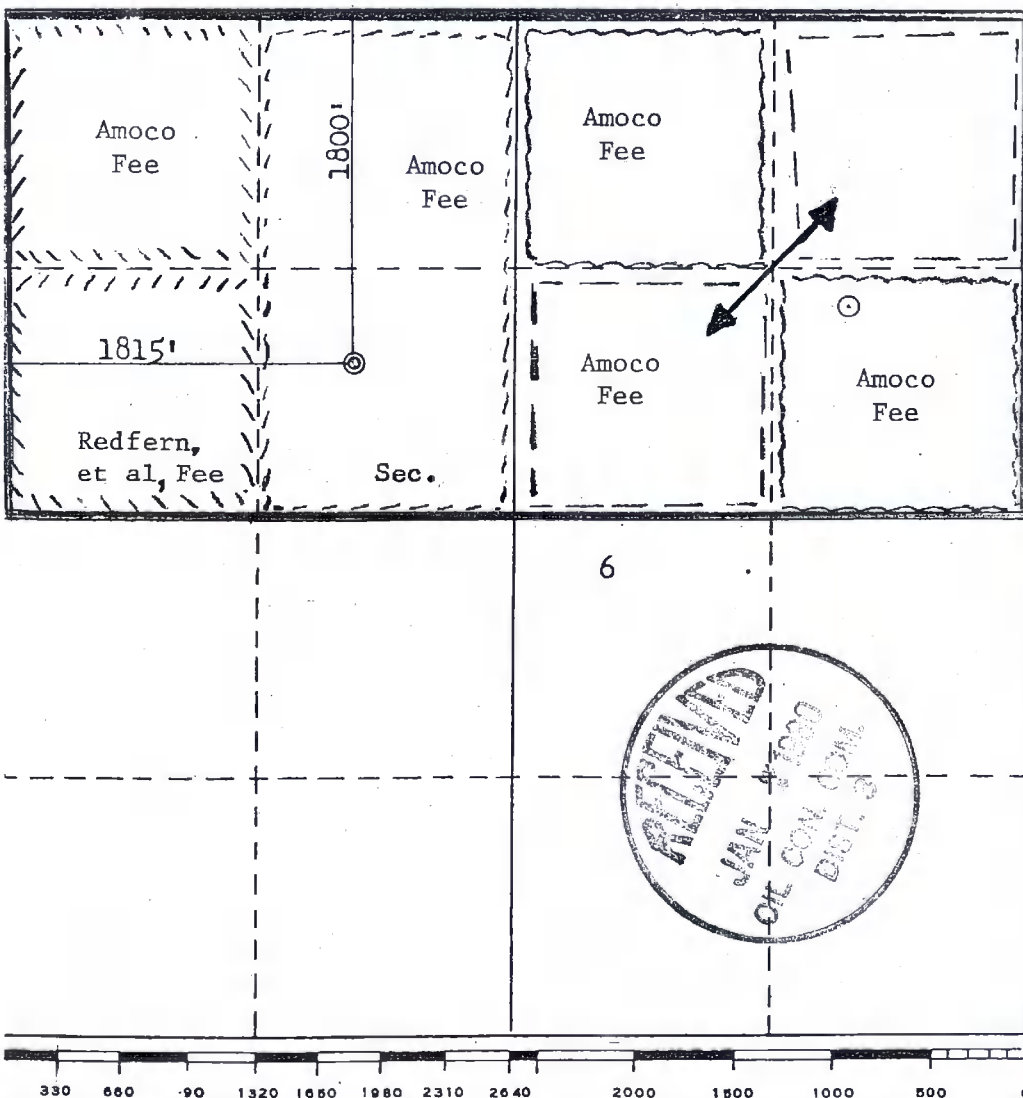
Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>HUTTON GAS COM</b>		Well No. <b>1-E</b>
Init Letter <b>F</b>	Section <b>6</b>	Township <b>29N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1800</b> feet from the <b>North</b> line and <b>1815</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5388</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>317.94</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Communitization

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

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



CERTIFICATION

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

*B. E. Fackrell*

Name  
**B. E. FACKRELL**

Position  
**DISTRICT ENGINEER**

Company  
**AMOCO PRODUCTION COMPANY**

Date  
**DECEMBER 7, 1979**

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

Date Surveyed

**November 27, 1979**

Registered Professional Engineer and/or Land Surveyor

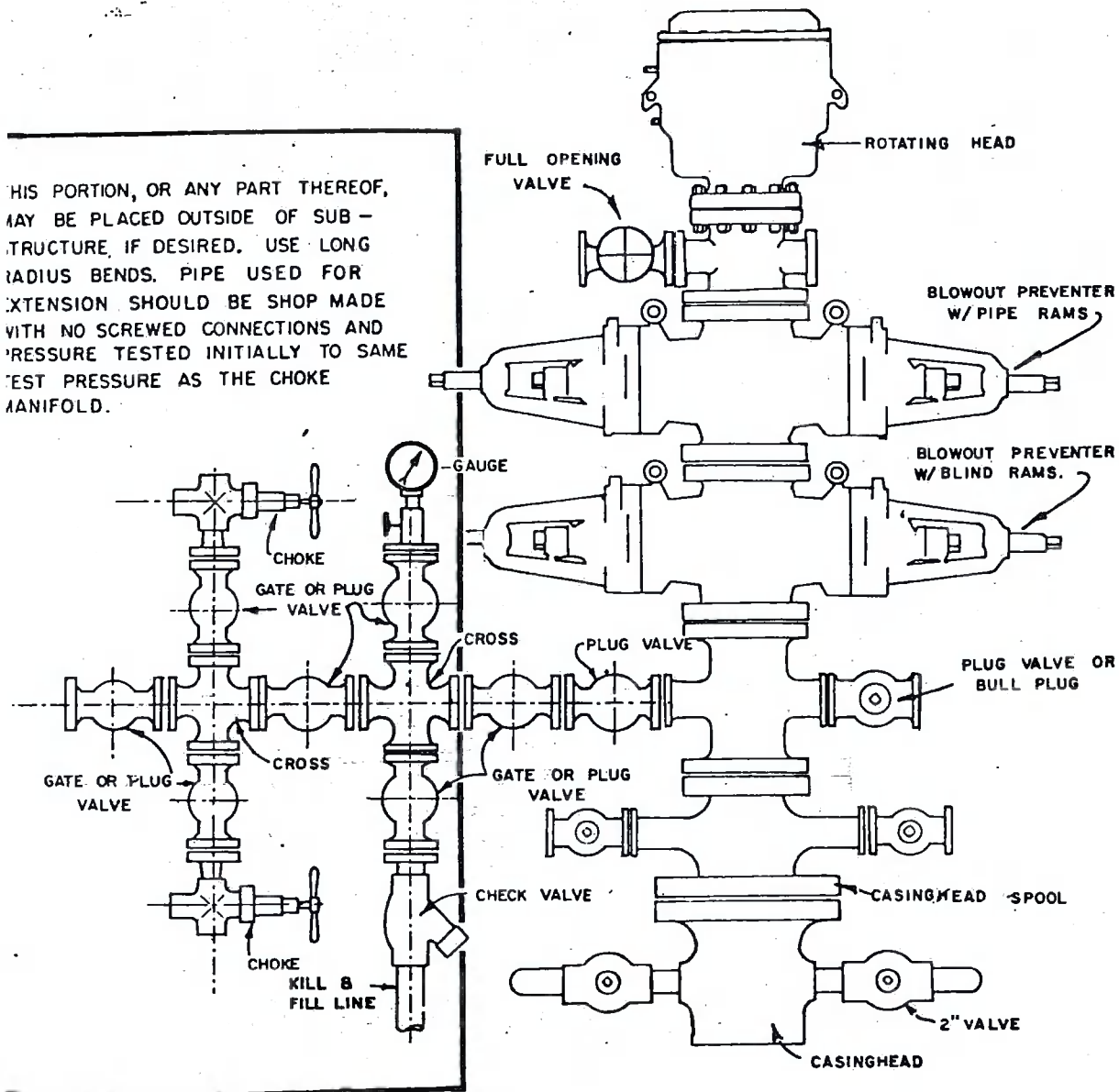
*Fred B. Kerr, Jr.*

Certificate No. **3950**

**3950**



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



BLOWOUT PREVENTER HOOKUP



United States Department of the Interior

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BUREAU OF LAND MANAGEMENT

Albuquerque District Office  
436 Montano, N.E.

Albuquerque, New Mexico 87107

93 JAN 8 AM 8 56

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Certified Mail No. P 765 887 658  
Return Receipt Requested

January 6, 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 Dakota formation underlying the following described lands in San Juan County, New Mexico, as a tight formation under Section 107 of the NGPA. The BLM Docket Number assigned to this designation is NM-347-92.

Township 26 North, Range 11 West, NMPM  
Sections 1 through 36: All

Township 27 North, Range 11 West, NMPM  
Sections 1 through 36: All

Township 28 North, Range 11 West, NMPM  
Sections 7 through 36: All

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

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

Township 31 North, Range 11 West, NMPM  
Sections 2 through 11: All  
Sections 14 through 21: All  
Sections 28 through 33: All

Township 32 North, Range 11 West, NMPM  
Sections 28 through 33: All

Township 27 North, Range 12 West, NMPM  
Sections 1 through 7: All  
Section 8: N/2  
Section 9: N/2  
Sections 10 through 15: All

Township 28 North, Range 12 West, NMPM  
Sections 7 through 36: All

Township 29 North, Range 12 West, NMPM  
Sections 1 through 36: All

Township 30 North, Range 12 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 12 West, NMPM  
Sections 1 through 36: All

Township 32 North, Range 12 West, NMPM  
Sections 25 through 27: All  
Sections 32 through 36: All

Township 27 North, Range 13 West, NMPM  
Sections 1 and 2: All  
Section 3: E/2  
Section 10: E/2  
Sections 11 through 13: All

Township 28 North, Range 13 West, NMPM  
Sections 10 through 15: All  
Sections 22 through 27: All  
Section 34: E/2  
Sections 35 and 36: All

Township 29 North, Range 13 West, NMPM  
Sections 1 through 3: All  
Sections 10 through 15: All  
Section 20: E/2  
Sections 21 through 28: All  
Section 29: E/2  
Section 32: E/2  
Sections 33 through 36: All

Township 30 North, Range 13 West, NMPM  
Sections 1 through 36: All

Township 31 North, Range 13 West, NMPM  
Section 13: All  
Sections 22 through 27: All  
Sections 33 through 36: All

Township 30 North, Range 14 West, NMPM  
Sections 13 and 14: All  
Sections 24 and 25: All  
Sections 35 and 36: All

The total area encompasses 287,243 acres, more or less. The acreage consists of 66.9% Federal, 22.1% Fee, 6.8% State and 4.2% Indian Lands.

The applicant, Amoco Production Company, has designated the area described above as the "Gallegos Area Basin Dakota Pool."

The San Jose, Nacimiento, and Ojo Alamo aquifers are located within the designated area. These aquifers occur from the surface of the ground to an approximate depth of 1200 feet. 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 Dakota formation will not adversely affect said 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 Dakota formation, without stimulation, is not expected to exceed the maximum production rate prescribed by the FERC regulations.

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. No development drilling has occurred in the designated area for more than 5 years.

Evidence was presented by the applicant to the BLM and the New Mexico Oil Conservation Division at an informal conference held by the BLM on August 26, 1992, at Albuquerque, New Mexico. The exhibits and other documentation discussed at that conference are enclosed.

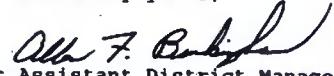
Included with this designation is a letter dated January 5, 1993, from the New Mexico Oil Conservation Division, signed by Michael E. Stogner, Chief Hearing Officer, signifying their concurrence with this designation.

It is requested that this jurisdictional agency be advised in writing when the 45 day review period will end and the appropriate FERC Order No. and/or 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.

Sincerely yours,

  
for Assistant District Manager  
Mineral Resources

Enclosures

cc:  
Michael E. Stogner, NM Oil Conservation Division  
J. W. Hawkins, Amoco Production Company  
NM-922 (Joe Chesser)  
NM-015 (Hector Villalobos)

FEDERAL ENERGY REGULATORY COMMISSION

WASHINGTON, D. C. 20426

OIL CONSERVATION DIVISION  
RECEIVED

In Reply Refer to  
PR25.2/SS

MAR 1 1000 AM 9 27

Mr. Allen Buckingham  
Bureau of Land Management  
Division of Mineral Resources  
435 Montero Rd., NE  
Albuquerque, New Mexico 87107

MAR 1 1000

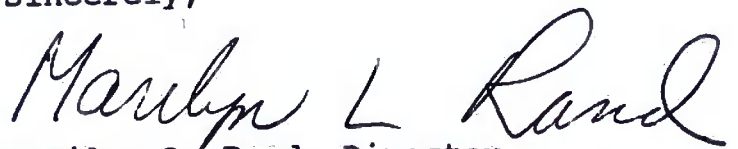
Re: Tight Formation Determination  
New Mexico-36  
Dakota Formation  
FERC No. JD93-02898T

Dear Mr. Buckingham:

On January 11, 1993, the Commission received the above-referenced notice of determination from the United States Department of the Interior's Bureau of Land Management that the Dakota Formation underlying a portion of San Juan County, New Mexico, qualifies as a tight formation under section 107(b) of the Natural Gas Policy Act of 1978. The notice included a letter of concurrence from the State of New Mexico. The area of application is more particularly described on the attached appendix.

The 45-day period for Commission review of this notice of determination expired February 25, 1993, and the determination is final. Therefore, the Dakota Formation underlying the recommended area has been approved for tight formation designation.

Sincerely,



Marilyn L. Rand, Director  
Division of Producer Regulation

cc: Amoco Production Co.  
P.O. Box 800  
Denver, CO 80201

Mr. William J. LeMay  
Oil Conservation Commission  
New Mexico Department of Energy,  
Minerals and Natural Resources  
P.O. Box 2088  
Santa Fe, NM 87504



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New Mexico-36

APPENDIX

The area of application contains 287,243 acres, more or less, of Federal (66.9%), State (6.8%), Fee (22.1%) and Indian (4.2%) lands all in San Juan County, New Mexico.

Township 26 North, Range 11 West  
Township 27 North, Range 11 West  
Township 29 North, Range 11 West  
Township 30 North, Range 11 West  
~~Township 29 North, Range 12 West~~  
Township 30 North, Range 12 West  
Township 31 North, Range 12 West  
Township 30 North, Range 13 West  
Sections 1-36: All

Township 28 North, Range 11 West  
Township 28 North, Range 12 West  
Section 7-36: All

Township 31 North, Range 11 West  
Sections 2-11: All  
Sections 14-21: All  
Sections 28-33: All

Township 32 North, Range 11 West  
Sections 28-33: All

Township 27 North, Range 12 West  
Sections 1-7: All  
Sections 8-9: N/2  
Sections 10-15: All

Township 32 North, Range 12 West  
Sections 25-27: All  
Sections 32-36: All

Township 27 North, Range 13 West  
Sections 1-2: All  
Sections 3 and 10: E/2  
Sections 11-13: All

Township 28 North, Range 13 West  
Sections 10-15: All  
Sections 22-27: All  
Section 34: E/2  
Sections 35 and 36: All

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Township 29 North, Range 13 West  
Sections 1-3: All  
Sections 10-15: All  
Section 20: E/2  
Sections 21-28: All  
Sections 29 and 32: E/2  
Sections 33-36: All

Township 31 North, Range 13 West  
Section 13: All  
Sections 22-27: All  
Sections 33-36: All

Township 30 North, Range 14 West  
Sections 13 and 14: All  
Sections 24 and 25: All  
Sections 35 and 36: All

organizations can gain a better understanding of the requirements and objectives of the Commission in ensuring compliance with all environmental certificate conditions and meeting its responsibilities under the National Environmental Policy Act and other laws and regulations. Interested organizations are urged to take advantage of these courses.

Course discussion will include the following topics:

- Objectives and requirements of FERC construction orders;
- Preconstruction clearance filings and obtaining Notices to Proceed; and
- Environmental inspection as it relates to:
  - Right-of-way preparation;
  - General erosion control;
  - Right-of-way restoration;
  - Topsoil segregation;
  - Stream and river crossing;
  - Wetland construction;
  - Residential area construction;
  - Construction and restoration in arid climates;
  - Cultural resources/Paleontology; and
  - Right-of-way maintenance.

The training courses will be given in the locations identified below. Details on location and time may be obtained from Mr. George Willant at the number listed below.

Houston, TX—May 4, 5, and 6, 1993  
Washington, DC—June 8, 9, and 10, 1993

The course is designed for individuals directly involved in environmental performance such as environmental and right-of-way inspectors, and construction contractor personnel. Training will be conducted by Ebasco Environmental (Ebasco), the Commission's environmental support contractor, under the direction of the staff of OPFR. There will be no registration fee.

Any organization or individual interested in participating in this course should preregister by sending in a written request to George Willant at: Ebasco Environmental, 211 Congress Street, Boston, MA 02110-2410.

The request should include names, addresses and telephone numbers. Session attendance will be limited to 200 and only one set of course materials will be available per preregistered attendee.

Additional information may be obtained from Mr. John Leiss at (202) 208-1106 or Mr. George Willant of Ebasco at (617) 451-1201.

Previous sessions have been very popular so we urge those interested in attending to send in their written request early. Preregistration must be

received at least 30 days prior to the date of the session.

Linwood A. Watson, Jr.,  
Acting Secretary.

[FR Doc. 93-1786 Filed 1-25-93; 8:45 am]  
BILLING CODE 6717-01-M

[Docket No. QF93-18-000]

#### Staten Island Cogeneration Corp.; Amendment to Filing

January 15, 1993

On January 11, 1993, Staten Island Cogeneration Corporation (Applicant) tendered for filing a supplement to its filing in this docket.

The amendment provides additional information pertaining to the ownership and technical aspects of its cogeneration facility. No determination has been made that the submittal constitutes a complete filing.

Any person desiring to be heard or objecting to the granting of qualifying status should file a motion to intervene or protest with the Federal Energy Regulatory Commission, 825 North Capitol Street, NE., Washington, DC 20426, in accordance with rules 211 and 214 of the Commission's Rules of Practice and Procedure. All such motions or protests must be filed on or before February 4, 1993, and must be served on the applicant. Protests will be considered by the Commission in determining the appropriate action to be taken but will not serve to make protestants parties to the proceeding. Any person wishing to become a party must file a petition to intervene. Copies of this filing are on file with the Commission and are available for public inspection.

Linwood A. Watson, Jr.,  
Acting Secretary.

[FR Doc. 93-1787 Filed 1-25-93; 8:45 am]  
BILLING CODE 6717-01-M

#### Magic Water Co., Inc.; Application Accepted for Filing with the Commission

January 15, 1993.

Take notice that the following hydroelectric application has been filed with the Federal Energy Regulatory Commission and is available for public inspection.

a. *Type of Application:* Original License for Minor Project (Tendered Notice).

b. *Project No.:* 7923-004.

c. *Date Filed:* January 4, 1993.

d. *Applicant:* Magic Water Company, Inc.

e. *Name of Project:* Magic Water Company Hydroelectric Project.

f. *Location:* Partially on lands administered by the Bureau of Land Management, on Salmon Falls Creek, near the town of Buhl, in Twin Falls County, Idaho. Section 2 in T10S, R13E.

g. *Filed Pursuant to:* Federal Power Act, 18 U.S.C. § 791(a)-(825(r).

h. *Applicant Contact:* John J. Straubhar, P.E., P.O. Box 820, Twin Falls, ID 83303, (208) 736-8255.

i. *FERC Contact:* Mr. Michael Strzalecki, (202) 219-2827.

j. *Description of Project:* The project would consist of: (1) The applicant's existing 12-foot-high, 150-foot-long dam; (2) a 2,584-foot-long, 38-inch-diameter steel penstock; (3) a powerhouse containing one generating unit with an installed capacity of 113 kW; (4) a tailrace; (5) a 50-foot-long underground transmission line interconnecting with an existing Idaho Power Company transmission line; and (6) appurtenant facilities.

k. With this notice, we are initiating consultation with the State Historic Preservation Officer (SHPO), as required by section 106, National Historic Preservation Act, and the regulations of the Advisory Council on Historic Preservation, 36 CFR, at § 800.4.

l. Under § 4.32(b)(7) of the Commission's regulations (18 CFR), if any resource agency, SHPO, Indian Tribe, or person believes that the applicant should conduct an additional scientific study to form an adequate factual basis for a complete analysis of the application on its merits, they must file a request for the study with the Commission no later than 60 days after the application is filed, (March 5, 1993) and must serve a copy of the request on the applicant.

m. The Commission's deadline for the applicant's filing of a final amendment to the application is April 4, 1993.

Linwood A. Watson, Jr.,  
Acting Secretary.

[FR Doc. 93-1788 Filed 1-25-93; 8:45 am]  
BILLING CODE 6717-01-M

[Docket No. JD93-02898T New Mexico-36]

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

January 15, 1993.

Take notice that on January 11, 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 Dakota Formation in San Juan County, New Mexico,

qualifies as a tight formation under section 107(b) of the Natural Gas Policy Act of 1978. The area of application is described on the attached appendix.

The notice of determination also contains BLM and the New Mexico Department of Energy, Minerals and Natural Resources' findings that the referenced portion of the Dakota Formation 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 26 North, Range 11 West  
Township 27 North, Range 11 West  
Township 29 North, Range 11 West  
Township 30 North, Range 11 West  
Township 29 North, Range 12 West  
Township 30 North, Range 12 West  
Township 31 North, Range 12 West  
Township 30 North, Range 13 West

Sections 1-38: All  
Township 28 North, Range 11 West  
Township 28 North, Range 12 West

Sections 7-86: All  
Township 31 North, Range 11 West

Sections 2-11: All  
Sections 14-21: All  
Sections 28-33: All

Township 32 North, Range 11 West  
Sections 28-33: All

Township 27 North, Range 12 West  
Sections 1-7: All

Sections 8-9: N/2  
Sections 10-15: All

Township 32 North, Range 12 West  
Sections 25-27: All

Sections 32-38: All  
Township 27 North, Range 13 West

Sections 1-2: All  
Sections 3 and 10: E/2  
Sections 11-13: All

Township 28 North, Range 13 West  
Sections 10-15: All

Sections 22-27: All  
Section 34: E/2

Sections 35 and 36: All  
Township 29 North, Range 13 West

Sections 1-3: All  
Sections 10-15: All

Section 20: E/2  
Sections 21-28: All

Sections 29 and 32: E/2  
Sections 33-36: All

Township 31 North, Range 13 West  
Section 13: All

Sections 22-27: All  
Sections 33-36: All  
Township 30 North, Range 14 West

Sections 13 and 14: All  
Sections 24 and 25: All  
Sections 35 and 36: All

The area of application contains 287,243 acres, more or less, of Federal (58.9%), State (6.8%), Fee (22.1%) and Indian (4.2%) lands.

[FR Doc. 93-1789 Filed 1-25-93; 8:45 am]  
BILLING CODE 6717-01-M

[Docket No. JD93-02315T California-3]

#### State of California; NGPA Notice of Determination By Jurisdictional Agency Designating Tight Formations

January 18, 1993.

Take notice that on December 28, 1992, the California Division of Oil and Gas (California) submitted the above-referenced notice of determination pursuant to section 271.703(c)(3) of the Commission's regulations, that the N-Point Chert Zone, Paloma Field, Kern County, California, qualifies as a tight formation under section 107(b) of the Natural Gas Policy Act of 1978. The area of application is more fully described on the attached appendix.

The notice of determination also contains California's findings that the referenced portion of the N-Point Chert Zone 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

The proposed area is the N-Point Chert Zone between the MM marker and the top of the Paloma or Stevens Sands, Paloma Field, Kern County, California underlying the following lands:

*Paloma Unit*—indicated by the unit boundary on Exhibit B:

Township 31 South, Range 26 East  
Section 28: Partly

Section 29: Partly  
Section 30: Partly

Section 32: Partly  
Section 33: All

Section 34: Partly  
Township 32 South, Range 26 East

Section 1: Partly  
Section 2: All

Section 3: Partly  
Section 4: Partly  
Section 5: Partly

Section 11: Partly  
Section 12: Partly  
Anderson Lease

Township 31 South, Range 26 East  
Section 35: S/2  
KCL "L" Lease

Township 32 South, Range 26 East  
Section 10: S/2 of NE/4, N/2 of NE/4 of

SW/4, SE/4 of NW/4,  
Section 11: N/2 of NW/4 of SW/4 of NW/4, SW/4 of NE/4.

[FR Doc. 93-1887 Filed 1-25-93; 8:45 am]  
BILLING CODE 6717-01-M

[Docket No. JD93-02318T Texas-84]

#### State of Texas; NGPA Notice of Determination by Jurisdictional Agency Designating Tight Formation

January 15, 1993.

Take notice that on December 28, 1992, the Railroad Commission of Texas (Texas) submitted the above-referenced notice of determination pursuant to § 271.703(c)(3) of the Commission's regulations, that the Wilcox Sands (L-14 and L-15) in the Bob West Field underlying a portion of Zapata and Starr Counties, Texas, qualifies as a tight formation under section 107(b) of the Natural Gas Policy Act of 1978. The designated area is within Railroad Commission District 4 and is described as the Southwestern portion of Porcion 55, East of Falcon Reservoir in Starr County, Texas; the northwest most portion of shares No. 28-A and No. 46; the western portion of share No. 29-A; the eastern portion of share No. 11 and all of share No. 36, all in Porcion 14, Zapata County, Texas. These areas are further defined as being within the fault lines as shown on the revised field area map.

The notice of determination also contains Texas' findings that the referenced portion of the Wilcox Sands 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.

[FR Doc. 93-1790 Filed 1-25-93; 8:45 am]  
BILLING CODE 6717-01-M