

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
2040 Pacheco Street
Santa Fe, New Mexico 87505

TF-02-007

1220 South St. Francis Dr.

APPLICATION FOR CATEGORY DETERMINATION

| | | |
|--|--|--------------------------------|
| FOR DIVISION USE ONLY: | | FILING FEE(S) - |
| APPROPRIATE FILING FEE ENCLOSED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | DATE COMPLETE APPLICATION FILED <u>March 25, 2002</u> | Effective October 1, 1986 |
| DATE DETERMINATION MADE <u>Nov. 20, 2002</u> | WAS APPLICATION CONTESTED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> | a non-refundable filing fee |
| NAME(S) OF INTERVENOR(S), IF ANY: <u>na</u> | | of \$25.00 per category for |
| | | each application is mandatory |
| | | (Rule 2, Order No. R-5878-B-3) |

| | |
|---|--|
| 1. Name of Operator: Burlington Resources Oil & Gas Company | 6. County: San Juan |
| 2. Address of Operator: 5051 Westheimer, Suite 1400 Houston, TX 77210-4236 | 7. API No: 30-045-24673 |
| 3. Location of Well: Unit Letter F located <u>1,520</u> feet from the N line and <u>1,735</u> feet from the W line of Sec. <u>27</u> Twp. <u>29N</u> Rng. <u>11W</u> | 8. Indicate Type of Lease: State <input type="checkbox"/> Fee <input checked="" type="checkbox"/> |
| 4. Farm or Lease Name: Magnum | 9. State Oil & Gas Lease No.: |
| 5. Well No: 1E | 10. Unit Agreement Name: SW43 |
| | 11. Field and Pool or Wildcat: Basin Dakota |

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

- Category sought NGPA Section No. 107 A1 occluded natural gas from coal seam
A3 natural gas from a designated tight formation
- Filing Fee(s) amount enclosed: \$25.00
- All application must contain:
 - C-105 Well Completion or Recompletion Report
 - Affidavits of Mailing or Delivery

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

David K. Miller
NAME OF APPLICANT (Type or Print)

David K. Miller
SIGNATURE OF APPLICANT

TITLE: Manager, Royalty Compliance/Litigation

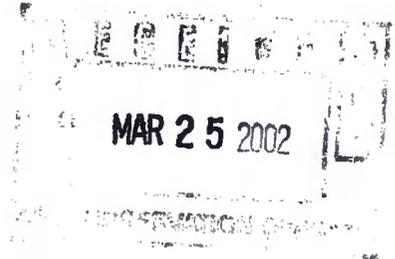
DATE: March 4, 2002

| | |
|---|---------------------------------------|
| FOR DIVISION USE ONLY | |
| APPROVED: <input checked="" type="checkbox"/> | DISAPPROVED: <input type="checkbox"/> |
| The information contained herein includes all of the information required to be filed by the applicant under Subpart B of Part 274 of the FERC regulations. | |
| EXAMINER: <u>Michael E. [Signature]</u> | |

BURLINGTON RESOURCES

March 4, 2002

Mr. Michael Stogner
State of New Mexico
Energy and Minerals Department
Oil Conservation Division
2040 Pacheco Street
Santa Fe, NM 87505



Re: Application for Well Determination
NGPA Section 107
Mangum #1E
Sec. 27, T-29N, R-11W
San Juan Co., NM
Dakota Formation

Dear Mr. Stogner:

Burlington Resources Oil & Gas Company is enclosing, for review and approval by the New Mexico Oil Conservation Division, the original and two copies of an Application for Determination for the referenced well. Also, enclosed is Burlington's check for \$25.00 covering the State of New Mexico filing fee.

A copy of this letter, the FERC Form 121 and the OCD Form C-132 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 extra copy of this letter and returning the copy for our records.

Sincerely,

David K. Miller
Manager, Royalty Compliance/Litigation

enclosures

xc: NGPA File

**APPLICATION FOR WELL CATEGORY DETERMINATION
PURSUANT 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 David K. Miller, who being by me first duly sworn, deposed and said:

That he is the Manager, Royalty Compliance/Litigation for Burlington Resources Oil & Gas Company, the applicant for the well hereinafter described, and in that capacity, he is requesting the appropriate Authorized Officer to make a determination that this well is producing from a tight formation pursuant to the rules and regulations of the State of New Mexico and the Federal Energy Regulatory Commission (FERC), as such rules relate to the NGPA.

That production from the **Mangum #1E** well, **API No. 30-045-24673** is natural gas produced from a FERC designated tight formation, assigned **State No. NM-36**, through:

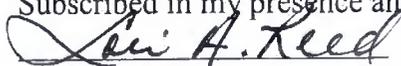
- a well the surface drilling of which began after December 31, 1979, but before January 1, 1993; or
- a recompletion commenced after January 1, 1993, in a well the surface drilling of which began after December 31, 1979, but before January 1, 1993; or
- a recompletion commenced after December 31, 1979,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

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



David K. Miller,
Manager, Royalty Compliance/Litigation

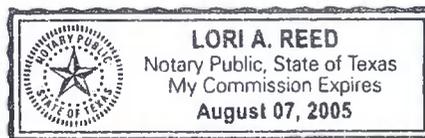
Subscribed in my presence and duly sworn to before me, this 4th day of March 2002.



Notary Public

My Commission Expires:

NMOCD TF Affidavit



Well File

Form C-105
Revised 11-1-80

| | |
|------------------------|--|
| 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

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

1a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

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

7. Unit Agreement Name
Communitized No. SW43

8. Farm or Lease Name
Mangum

2. Name of Operator
SUPRON ENERGY CORPORATION

3. Address of Operator
P.O. Box 808, Farmington, New Mexico 87401

9. Well No.
1-E

10. Field and Pool, or Wildcat
Basin Dakota

4. Location of Well
UNIT LETTER **F** LOCATED **1520** FEET FROM THE **North** LINE AND **1735** FEET FROM

12. County
San Juan

15. Date Spudded **2-27-81** 15. Date T.D. Reached **3-8-81** 17. Date Compl. (Ready to Prod.) **4-21-81** 18. Elevations (DF, RKB, RT, GR, etc.) **5434 RKB** 19. Elev. Casinghead **5422**

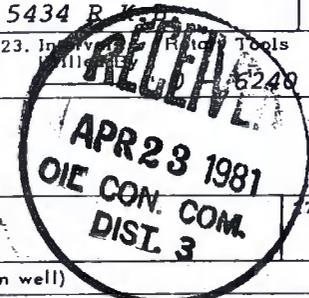
20. Total Depth **6240** 21. Plug Back T.D. **6224** 22. If Multiple Compl., How Many _____ 23. Ind. Tools _____ Cable Tools _____

24. Producing Interval(s), of this completion - Top, Bottom, Name
6024 - 6160 Dakota

25. Was Directional Survey Made **No**

26. Type Electric and Other Logs Run
Induction Electric and Compensated Density

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 |
|-------------|----------------|-----------|-----------|-----------------------|---------------|
| 8-5/8" | 24.00 | 365 | 12-1/4" | 275 sacks | |
| 4-1/2" | 10.50 | 6240 | 7-7/8" | 1300 sacks (3 stages) | |

29. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET | PACKER SET |
|------|-----|--------|--------------|--------|------------|-----------|------------|
| | | | | | 2-3/8" EUE | 6104 | |

31. Perforation Record (Interval, size and number)
1-0.42" hole at each of the following depths: 6024, 26, 28, 38, 42, 44, 48, 50, 52, 72, 73, 76, 94, 96, 6098, 6100, 02, 04, 06, 08, 10, 12, 14, 16, 18, 20, 22, 6124, 26, 28, 30, 34, 36, 54, 56, 58, 60. (Total of 37 holes)

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|--|
| 6024 - 6160 | 2000 gal. 7 1/2% HCL, 152,000 lb. 20-40 sand, and 30 lb. cross-linked gel. All fluid contained 2% KCL and biocide. |

33. PRODUCTION

Date First Production _____ 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 |
|--------------|--------------|------------|-------------------------|------------|-----------|--------------|-----------------|
| 4-21-81 | 3 | 3/4" | | | 125 | | |

| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API (Corr.) |
|--------------------|-----------------|-------------------------|------------|-----------|--------------|---------------------------|
| 73 | 261 | | | 1002 | | |

34. Disposition of Gas (Sold, used for fuel, vented, etc.) **Vented** Test Witnessed By **Clifton Gates**

35. List of Attachments

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

SIGNED Kenneth E. Roddy TITLE Production Superintendent DATE April 21, 1981

NEW MEXICO OIL CONSERVATION COMMISSION
 WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-107
 Superseded C-1
 Effective 1-1-6

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

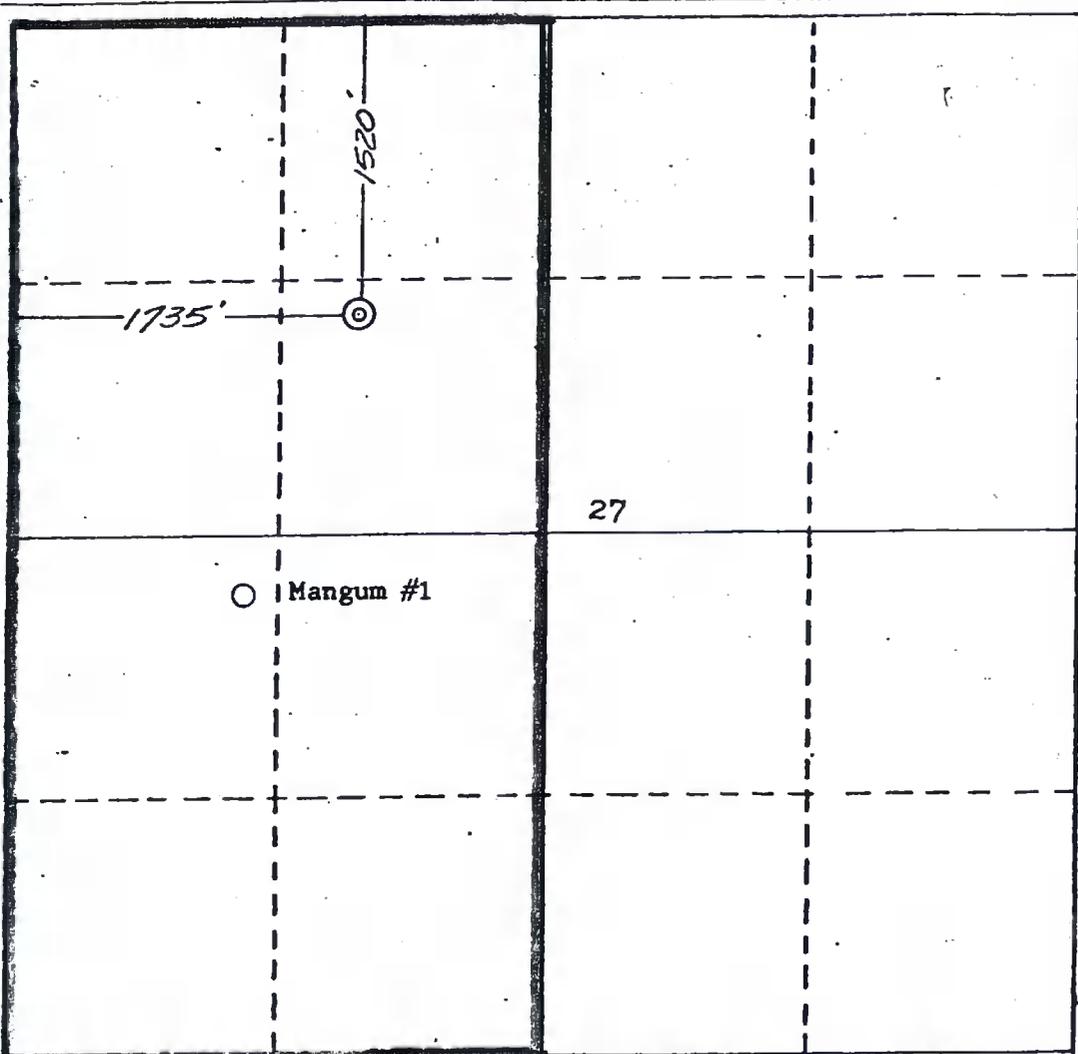
| | | | | |
|--|--------------------------------------|-----------------------------|-------------------------|---|
| Operator SUPRON ENERGY CORPORATION | | Lease MANGUM | | Well No. 1-E |
| Unit Letter F | Section 27 | Township 29 NORTH | Range 11 WEST | County SAN JUAN |
| Actual Footage Location of Well: 1520 feet from the NORTH line and 1735 feet from the WEST line | | | | |
| Ground Level Elev. 5422 | Producing Formation Dakota | Pool Basin | | Dedicated Acreage: W$\frac{1}{2}$ 320.00 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 SW 43

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.



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

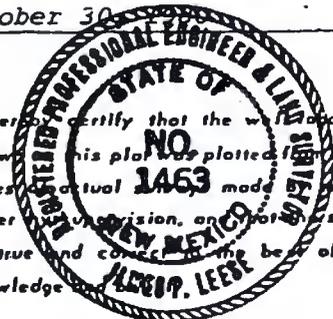
Rudy D. Motto
 Name

Rudy D. Motto
 Position

Area Superintendent
 Company

SUPRON ENERGY CORPORATION
 Date

October 30



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

Date Surveyed
October 23, 1980

Registered Professional Engineer and/or Land Surveyor
James P. Leese
James P. Leese

Certificate No.
1463



BURLINGTON RESOURCES
801 CHERRY STREET SUITE 200
FORT WORTH, TX 76102-6842

1/1/2002

NEW MEXICO STATE 16408 0552
OIL CONSERVATION DIVISION
2040 SOUTH PACHECO STREET
SANTA FE, NM 87505

PAYMENT SUMMARY

VENDOR NUMBER 67739200 PHONE NUMBER 817-347-2950
CHECK NUMBER 0000685790 CHECK DATE 02/22/02

| VOUCHER ID | INVOICE NUMBER | INVOICE DATE | PAYMENT COMMENTS | PAID AMOUNT |
|------------|----------------|--------------|------------------|-------------|
| 00852477 | RFC | 02/12/2002 | | 25.00 |
| | | | TOTAL | 25.00 |

DOCUMENT CONTAINS ANTI-COPY VOID PANTOGRAPH, MICRO PRINT BORDER, VERIFICATION BOX (TO RIGHT OF ARROW, HOLD BETWEEN THUMB AND FOREFINGER, OR BREATHE ON IT, COLOR WILL DISAPPEAR, THEN REAPPEAR), AND A SIMULATED WATERMARK ON THE BACK

BURLINGTON RESOURCES
801 CHERRY STREET SUITE 200
FORT WORTH, TX 76102-6842

62-20/311

VENDOR NO

67739200

CHECK DATE

02/22/2002

CHECK NUMBER

0000685790

PAY. TWENTY FIVE DOLLARS 00 CENTS

VALID FOR 60 DAYS

\$*****25.00

TO THE ORDER OF
NEW MEXICO STATE
OIL CONSERVATION DIVISION
2040 SOUTH PACHECO STREET
SANTA FE, NM 87505

David W. Hault

CITIBANK, DELAWARE
NEW CASTLE, DE 19720

⑈0000685790⑈ ⑆031100209⑆

38822376⑈

Stogner, Michael

From: Gilcrease Jim [JGilcrease@br-inc.com]
Sent: Wednesday, July 24, 2002 10:09 AM
To: mstogner@state.nm.us
Subject: NGPA Well Determination Filing Review



VMOCD NGPA Filing
List (Approv...

Mike, Burlington Resources submitted the Well Determination Filings referenced on the attached list for NMOCD review and approval several months ago and todate we do not show that action has been taken on them. Can you please check the status of these filings and let me know where they stand?

Jim Gilcrease
Burlington Resources
5051 Westheimer, Suite 1400
Houston, TX 77056-5604
713-624-9092
jgilcrease@br-inc.com

<<NMOCD NGPA Filing List (Approval follow up).xls>>

PENDING NGPA FILINGS - NEW MEXICO OIL CONSERVATION DIVISION

| WELL NAME | API NO. | LOCATION | COUNTY | FORMATION | DATE MAILED TO NMOCD |
|----------------------|--------------|-----------------------|------------|----------------|----------------------|
| Mangum # 1E | 30-045-24673 | Sec. 27, T-29N, R-11W | San Juan | Dakota | 3/4/2002 |
| Sategna #2E | 30-045-24060 | Sec. 21, T-29N, R-11W | San Juan | Dakota | 3/4/2002 |
| Johnston A #16 | 30-039-24739 | Sec. 36, T-27N, R-6W | Rio Arriba | Fruitland Coal | 12/18/2001 |
| Mexico Federal N #1E | 30-045-08332 | Sec. 15, T-29N, R-11W | San Juan | Dakota | 9/24/2001 |
| Culpepper Martin #1E | 30-045-25114 | Sec. 31, T-32N, R-12W | San Juan | Dakota | 10/4/2001 |
| Kelly Knott #1A | 30-045-25542 | Sec. 8, T-30N, R-10W | San Juan | Mesa Verde | 10/1/2001 |
| New Mexico B Com #1E | 30-045-24538 | Sec. 16, T-29N, R-11W | San Juan | Dakota | 10/1/2001 |
| Culpepper Martin #1A | 30-045-25112 | Sec. 31, T-32N, R-12W | San Juan | Dakota | 9/26/2001 |
| Pierce A #4 | 30-045-25432 | Sec. 13, T-30N, R-10W | San Juan | Mesa Verde | 9/24/2001 |



United States Department of the Interior

REC: RED

BUREAU OF LAND MANAGEMENT

Albuquerque District Office

435 Montano, N.E.

Albuquerque, New Mexico 87107



93 JAN 8 AM 8 56

3160 (015)

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.

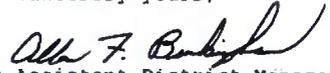
Included with this designation is a letter dated January 5, 1993, from the New Mexico Oil Conservation Division, signed by Michael E. Stogner, Chief Hearing Officer, signifying their concurrence with this designation.

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)

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 OPR. 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, 16 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 Strzelocki, (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, 36-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 section 107(b) of the Act of 1978. The are described on the att

The notice of determination contains BLM and tl Department of Energy Natural Resources' f referenced portion o Formation meets the Commission's regula CFR part 271.

The application fo available for inspecti material which is co: CFR 275.206, at the l Regulatory Commiss Capitol Street, NE., V 20426. Persons objec determination may fi accordance with 18 C 275.204, within 20 d: this notice is issued l

Linwood A. Watson, Jr.,
Acting Secretary.

Appendix

Township 26 North, Rang
Township 27 North, Rang
Township 29 North, Rang
Township 30 North, Rang
Township 29 North, Rang
Township 30 North, Rang
Township 31 North, Rang
Township 30 North, Rang
Sections 1-36: All
Township 28 North, Rang
Township 28 North, Rang
Sections 7-36: All
Township 31 North, Rang
Sections 2-11: All
Sections 14-21: All
Sections 28-33: All
Township 32 North, Rang
Sections 28-33: All
Township 27 North, Rang
Sections 1-7: All
Sections 8-9: N/2
Sections 10-15: All
Township 32 North, Rang
Sections 25-27: All
Sections 32-36: All
Township 27 North, Rang
Sections 1-2: All
Sections 3 and 10: E/2
Sections 11-13: All
Township 28 North, Rang
Sections 10-15: All
Sections 22-27: All
Section 34: E/2
Sections 35 and 36: All
Township 29 North, Rang
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, Rang
Section 13: All
Sections 22-27: All
Sections 33-36: All
Township 30 North, Rang

FEDERAL ENERGY REGULATORY COMMISSION

WASHINGTON, D. C. 20426

OIL CONSERVATION DIVISION
RECEIVED

In Reply Refer To:
PR25.2/SS

MAR 1 1993 9 27

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

MAR 1 1993

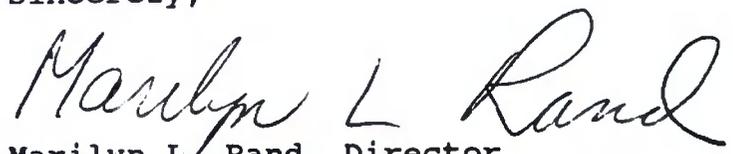
Re: Tight Formation Determination
New Mexico-36
Dakota Formation
FERC No. JD93-02898T

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

JD93-02898T
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

JD93-02898T
New Mexico-36

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

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

District II
P.O. Drawer DD, Artesia, NM 88211-0719

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals, & Natural Resources Department

Form C-104

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

AMMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

| | | |
|---|---|---|
| ¹ Operator Name and Address Burlington Resources Oil & Gas PO Box 4289 Farmington, NM 87499 | | ² OGRID Number 14538 |
| | | ³ Reason for Filing Code CO - 7/11/96 |
| ⁴ API Number 30-045-24673 | ⁵ Pool Name BASIN DAKOTA (PRORATED GAS) | ⁶ Pool Code 71599 |
| ⁷ Property Code 007282 | ⁸ Property Name MANGUM | ⁹ Well Number #1E |

II. ¹⁰ Surface Location

| | | | | | | | | | |
|--------------------|---------------|------------------|---------------|---------|-----------------------|-----------------------|-----------------------|---------------------|--------------------|
| UI or lot no. F | Section 27 | Township 029N | Range 011W | Lot.Idn | Feet from the 1520 | North/South Line N | Feet from the 1735 | East/West Line W | County SAN JUAN |
|--------------------|---------------|------------------|---------------|---------|-----------------------|-----------------------|-----------------------|---------------------|--------------------|

¹¹ Bottom Hole Location

| | | | | | | | | | |
|------------------------|-------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|--------|
| UI or lot no. | Section | Township | Range | Lot.Idn | Feet from the | North/South Line | Feet from the | East/West Line | County |
| | | | | | | | | | |
| ¹² Lse Code | ¹³ Producing Method Code | ¹⁴ Gas Connection Date | ¹⁵ C-129 Permit Number | ¹⁶ C-129 Effective Date | ¹⁷ C-129 Expiration Date | | | | |

III. Oil and Gas Transporters

| | | | | |
|---------------------------------|---|-------------------|-------------------|--|
| ¹⁸ Transporter OGRID | ¹⁹ Transporter Name and Address | ²⁰ POD | ²¹ O/G | ²² POD ULSTR Location and Description |
| 25244 | WILLIAMS FIELD SERVICES CO P.O. BOX 58900 SALT LAKE CITY, UT 84158-0900 | | G | F-27-T029N-R011W |
| 9018 | Giant Industries 5764 US Hwy 64 Farmington, NM 87401 | 1521310 | O | F-27-T029N-R011W |
| | | | | |
| | | | | |

IV. Produced Water

| | |
|-------------------|--|
| ²³ POD | ²⁴ POD ULSTR Location and Description |
|-------------------|--|

V. Well Completion Data

| | | | | |
|-------------------------|------------------------------------|-------------------------|----------------------------|----------------------------|
| ²⁵ Spud Date | ²⁶ Ready Date | ²⁷ TD | ²⁸ PBTB | ²⁹ Perforations |
| ³⁰ Hole Size | ³¹ Casing & Tubing Size | ³² Depth Set | ³³ Sacks Cement | |
| | | | | |
| | | | | |
| | | | | |

VI. Well Test Data

| | | | | | |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| ³⁴ Date New Oil | ³⁵ Gas Delivery Date | ³⁶ Test Date | ³⁷ Test Length | ³⁸ Tbg. Pressure | ³⁹ Csg. Pressure |
| ⁴⁰ Choke Size | ⁴¹ Oil | ⁴² Water | ⁴³ Gas | ⁴⁴ AOF | ⁴⁵ Test Method |

| | | |
|--|----------------------------------|--|
| ⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Dolores Diaz</i> | OIL CONSERVATION DIVISION | |
| Printed Name: Dolores Diaz | Approved by: Frank T. Chavez | |
| Title: Production Associate | Title: District Supervisor | |
| Date: 7/11/96 | Approved Date: July 11, 1996 | |
| Phone: (505) 326-9700 | | |

| | | | |
|--|--------------------------------|--------------|----------------------|
| ⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator | | | |
| 14538 Meridian Oil Production | Previous Operator Signature | Printed Name | Title |
| | Signature: <i>Dolores Diaz</i> | Dolores Diaz | Production Associate |
| | | | Date: 7/11/96 |

Submit 3 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
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at Bottom of Page

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

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

OIL CONSERVATION DIVISION
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DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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

I. OPERATOR

Operator: **MERIDIAN OIL INC.** Well API No. _____

Address: **P. O. Box 4289, Farmington, New Mexico 87499**

Reason(s) for Filing (Check proper box):
 New Well Other (Please explain) _____
 Recompletion Change in Transporter of: Dry Gas
 Change in Operator Oil Casinghead Gas Condensate

If change of operator give name and address of previous operator: **Union Texas Petroleum Corporation, P. O. Box 2120, Houston, TX 77252-2120**

Effect: 6/23/90

II. DESCRIPTION OF WELL AND LEASE

| | | | | |
|-----------------------------|-----------------------|---|--|-------------------------|
| Lease Name MANGUM | Well No. 1E | Pool Name, including Formation BASIN DAKOTA | Kind of Lease State, Federal or Fee <input checked="" type="checkbox"/> | Lease No. FEE |
|-----------------------------|-----------------------|---|--|-------------------------|

Location:
Unit Letter **F**: **1520** Feet From The **N** Line and **1735** Feet From The **W** Line
Section **27** Township **29N** Range **11W** **NMPM** **SAN JUAN** County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| | |
|---|--|
| Name of Authorized Transporter of Oil Meridian Oil Inc. <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) P. O. Box 4289, Farmington, NM 87499 |
| Name of Authorized Transporter of Casinghead Gas Sunterra Gas Gathering co. <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 26400, Albuquerque, NM 87125 |

If well produces oil or liquids, give location of tanks: _____
 Unit _____ Sec. _____ Twp. _____ Rgn. _____
 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) | <input type="checkbox"/> Oil Well | <input type="checkbox"/> Gas Well | <input type="checkbox"/> New Well | <input type="checkbox"/> Workover | <input type="checkbox"/> Deepen | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Same Res'v | <input type="checkbox"/> 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 | | | |
| Performances | | | | | 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 WELL

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

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.

Leslie Kahwajy
 Signature: **Leslie Kahwajy** Prod. Serv. Supervisor
 Printed Name: **6/15/90** Title: **(505)326-9700**
 Date: _____ Telephone No. _____

OIL CONSERVATION DIVISION
JUL 03 1990

Date Approved _____
 By: *Bill D. Shaw*
SUPERVISOR DISTRICT #3
 Title _____

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JUL 3 1990

OIL CON. DIV.
DISTRICT #3

- INSTRUCTIONS:** This form is to be filed in compliance with Rule 1104
- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
 - 2) All sections of this form must be filled out for allowable on new and recompleted wells.
 - 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
 - 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

CONSERVATION DIVISION
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89-084512 RE 11 20

I. Operator Union Texas Petroleum Corporation Well API No. _____
Address P.O. Box 2120 Houston, Texas 77252-2120

Reason(s) for Filing (Check proper box) _____ Other (Please explain) _____
New Well Change in Transporter of:
Recompletion Oil Dry Gas
Change in Operator Casinghead Gas Condensate
If change of operator give name and address of previous operator _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Mangum Well No. 1E Pool Name, including Formation Basin (Dakota) Kind of Lease _____ Lease No. _____
Location Unit Letter F : 1520 Feet From The N Line and 1735 Feet From The W Line
Section 27 Township 29N Range 11W NMPM, SAN JUAN County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil or Condensate Address (Give address to which approved copy of this form is to be sent) P.O. Box 4289, Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas or Dry Gas Address (Give address to which approved copy of this form is to be sent) P.O. Box 26400, Albuquerque, NM 87125
If well produces oil or liquids, give location of tanks. Unit Sec. Twp. Rgn. 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 | Sema 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.

Annette C. Bisby
Signature Annette C. Bisby Env. & Reg. Sec'rtry
Printed Name 8-7-89 Title (713) 968-4012
Date _____ Telephone No. _____

OIL CONSERVATION DIVISION

Date Approved AUG 28 1989
By [Signature]
Title SUPERVISION DISTRICT # 3

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

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

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JUN 19 1987
OIL CONSERVATION DIVISION

**STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT**

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

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

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JUN 19 1987

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

OIL CON. DIV.

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| LAND OFFICE | | |
| TRANSPORTER | OIL | |
| | GAS | |
| OPERATOR | | |
| PRODUCTION OFFICE | | |

I. Operator
 Union Texas Petroleum Corporation
 Address
 375 US Highway 64, Farmington, NM 87401

Reason(s) for filing (Check proper box)
 New Well
 Recompletion
 Change in Ownership

Change in Transporter of:
 Oil
 Casinghead Gas
 Dry Gas
 Condensate

Other (Please explain)

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

II. DESCRIPTION OF WELL AND LEASE

| | | | | |
|--|----------------|--|--|-----------|
| Lease Name Mangum | Well No. 1E | Pool Name, Including Formation Basin Dakota | Kind of Lease State, Federal or Fee | Lease Fee |
| Location Unit Letter <u>F</u> : <u>1520</u> Feet From The <u>North</u> Line and <u>1735</u> Feet From The <u>West</u> Line of Section <u>27</u> Township <u>29N</u> Range <u>11W</u> , NMPM, San Juan Cour | | | | |

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| | |
|--|--|
| Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) |
| Conoco, Inc. Surface Trans. | P. O. Box 1429, Bloomfield, NM 87413 |
| Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) |
| Sunterra Gas Gathering Company | P. O. Box 1809, Bloomfield, NM 87413 |
| If well produces oil or liquids, give location of tanks. Unit: <u>F</u> Sec: <u>27</u> Twp: <u>29N</u> Rge: <u>11W</u> | Is gas actually connected? _____ When _____ |

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

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

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

Robert C. Frank
 Permit Coordinator (Signature)
 June 17, 1987 (Date)

OIL CONSERVATION DIVISION
 JUN 19 1987
 APPROVED _____
 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 deep well, this form must be accompanied by a tabulation of the dev tests taken on the well in accordance with RULE 111.
 All sections of this form must be filled out completely for wells on new and recompleted wells.
 Fill out only Sections I, II, III, and VI for changes of well name or number, or transporter or other such change of content.
 Separate Forms C-104 must be filed for each pool in all completed wells.

IV. COMPLETION DATA

| Designate Type of Completion - (X) | | Oil Well | Gas Well | New Well | Workover | Deepen | Plug Back | Same Res'v. | Dill. Res. |
|------------------------------------|-----------------------------|-----------------|----------|----------|--------------|--------|-------------------|-------------|------------|
| 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 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/MCF | Gravity of Condensate |
| Testing Method (pilot, back pr.) | Tubing Pressure (Shut-In) | Casing Pressure (Shut-In) | Choke Size |

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

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REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

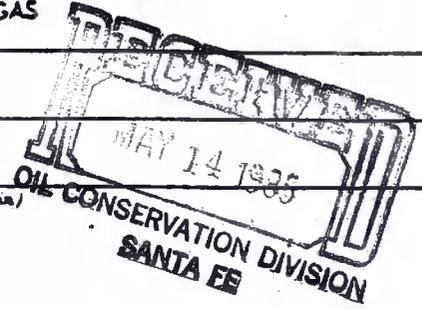
Union Texas Petroleum Corporation

P. O. Box 1290, Farmington, New Mexico 87499

Reason(s) for filing (Check proper box)

New Well Change in Transporter of:
 Recompletion Oil Dry Gas
 Change in Ownership Coalbed Gas Condensate

Other (Please explain)



Change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

| | | | | |
|---|-----------------|--|--|------------------|
| Well Name Mangum | Well No. 1-E | Pool Name, including Formation Basin Dakota | Kind of Lease State, Federal or Fee | Lease No. Fee |
| Section Letter <u>F</u> ; <u>1520</u> Feet From The <u>North</u> Line and <u>1735</u> Feet From The <u>West</u> Line of Section <u>27</u> Township <u>29N</u> Range <u>11W</u> , NMPM, <u>San Juan</u> County | | | | |

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| | |
|---|--|
| Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Monoco, Inc. Surface Transportation | Address (Give address to which approved copy of this form is to be sent) P. O. Box 1429, Bloomfield, N.M. 87413 |
| Name of Authorized Transporter of Coalbed Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Southern Union Gathering Company | Address (Give address to which approved copy of this form is to be sent) P. O. Box 26400, Albuquerque, N.M. 87125 |
| Well produces oil or liquids, location of tanks. Unit: <u>F</u> Sec.: <u>27</u> Twp.: <u>29N</u> Rgs.: <u>11W</u> | Is gas actually connected? <u>Yes</u> When: _____ |

If 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.

CERTIFICATE OF COMPLIANCE

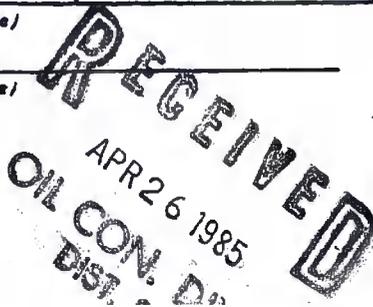
I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Kenneth E. Roddy
Kenneth E. Roddy (Signature)
Area Production Superintendent
(Title)
4/26/85
(Date)

OIL CONSERVATION DIVISION

APPROVED APR 26 1985, 19____
BY Chuck 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 filed for each pool in multiply completed wells.



V. COMPLETION DATA

| | | | | | | | | | |
|------------------------------------|-----------------------------|-----------------|----------|----------|--------------|--------|-------------------|------------|------------|
| Designate Type of Completion - (X) | | Oil Well | Gas Well | New Well | Workover | Deepen | Plug Back | Some Reev. | Dill. Rev. |
| Date Drilled | Date Compl. Ready to Prod. | Total Depth | | | P.B.T.D. | | | | |
| Deviation (DF, RKB, RT, CR, etc.) | Name of Producing Formation | Top Oil/Gas Pay | | | Tubing Depth | | | | |
| Orientation | | | | | | | Depth Casing Shoe | | |

TUBING, CASING, AND CEMENTING RECORD

| HOLE SIZE | CASING & TUBING SIZE | DEPTH SET | SACKS CEMENT |
|-----------|----------------------|-----------|--------------|
| | | | |
| | | | |
| | | | |

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)

| | | | |
|-------------------------------|-----------------|---|------------|
| Is 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 |
| Real Prod. During Test | Oil - Bbls. | Water - Bbls. | Gas - MCF |

S WELL

| | | | |
|------------------------------------|-----------------------------|-----------------------------|-----------------------|
| Real Prod. Test - MCF/D | Length of Test | Bbls. Condensate/MCF | Gravity of Condensate |
| Producing Method (pilot, back pr.) | Tubing Pressure (Start-End) | Casing Pressure (Start-End) | Choke Size |

| | |
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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

Union Texas Petroleum Corporation

P. O. Box 1290, Farmington, New Mexico 87499

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 type="checkbox"/> Condensate | <input checked="" type="checkbox"/> Condensate |
| <input type="checkbox"/> Change in Ownership | <input type="checkbox"/> Coninghead Gas | | |

Other (Please explain)

Address of ownership give name
address of previous owner

DESCRIPTION OF WELL AND LEASE

| Well Name | Well No. | Pool Name, including Formation | Kind of Lease | Lease No. | | | | |
|-----------------|----------|---|-----------------------|-----------|-----|----------|----------|--------|
| Mangum | 1-E | Basin Dakota | State, Federal or Fee | Fee | | | | |
| Unit Letter | F | : 1520 Feet From The North Line and 1735 Feet From The West | | | | | | |
| Line of Section | 27 | Township | 29N | Range | 11W | N.M.P.M. | San Juan | 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) | | | | | |
| Gary Energy Corporation | P. O. Box 489, Bloomfield, N.M. 87413 | | | | | |
| Name of Authorized Transporter of Coninghead 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) | | | | | |
| Southern Union Gathering Company | P. O. Box 26400, Albuquerque, N.M. 87125 | | | | | |
| Well produces oil or liquids, location of tanks. | Unit | Sec. | Twp. | Range | Is gas actually connected? | When |
| | F | 27 | 29N | 11W | Yes | |

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

NOTE: Complete Parts IV and V on reverse side if necessary.

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.

Kenneth E. Roddy
Kenneth E. Roddy (Signature)
Area Production Superintendent
(Title)
10/2/84
(Date)

OIL CONSERVATION DIVISION

APPROVED NOV 01 1984
Frank J. Long
BY _____
SUPERVISOR DISTRICT # 3

TITLE _____

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

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OCT 10 1984

OIL CON. DIV.
DIST. 3

7. COMPLETION DATA

| | | | | | | | | | | | |
|---|-----------------------------|--|-----------------|----------|----------|----------|-------------------|--------|-----------|-------------|--------------|
| Designate Type of Completion - (X) | | | | Oil Well | Gas Well | New Well | Workover | Deepen | Plug Back | Same Rec'y. | Diff. Rec'y. |
| Date Spudded | Date Compl. Ready to Prod. | | Total Depth | | | | P.B.T.D. | | | | |
| Locations (DF, RKB, RT, CR, etc.) | Name of Producing Formation | | Top Oil/Gas Pay | | | | Tubing Depth | | | | |
| Circulations | | | | | | | Depth Casing Shoe | | | | |

TUBING, CASING, AND CEMENTING RECORD

| HOLE SIZE | CASING & TUBING SIZE | DEPTH SET | SACKS CEMENT |
|-----------|----------------------|-----------|--------------|
| | | | |
| | | | |
| | | | |
| | | | |

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

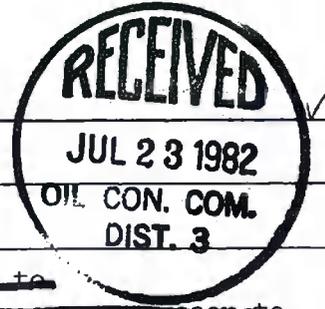
| | | | | | |
|----------------------------|-----------------|-----------------|--|---|--|
| OIL WELL | | Date of Test | | Producing Method (Flow, pump, gas lift, etc.) | |
| First New Oil Run To Tanks | | | | | |
| Depth of Test | Tubing Pressure | Casing Pressure | | Choke Size | |
| Fluid Prod. During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

| | | | |
|------------------------------------|---------------------------|---------------------------|-----------------------|
| WELL | | | |
| Fluid Prod. Test - MCF/D | Length of Test | Bbls. Condensate/MCF | Gravity of Condensate |
| Producing Method (pilot, back pr.) | Tubing Pressure (Shut-In) | Casing Pressure (Shut-In) | Choke Size |

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

Form C-104
Supersedes Old C-104 and C-11
Effective 1-1-65



I. Operator
 Union Texas Petroleum Corporation
 Address
 1860 Lincoln Street, Suite 1010, Denver, Colorado 80295

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 to~~
~~Unicon Producing Company Successor to~~
~~Supron Energy Corporation~~

If change of ownership give name and address of previous owner Supron Energy Corporation, P.O. Box 808, Farmington, New Mexico 87401

II. DESCRIPTION OF WELL AND LEASE

| | | | | |
|--|------------------------|---|--|-----------|
| Lease Name MANGUM | Well No. 1-E | Pool Name, Including Formation BASIN DAKOTA | Kind of Lease State, Federal or Fee FEE | Lease No. |
| Location Unit Letter F ; 1520 Feet From The NORTH Line and 1735 Feet From The WEST | | | | |
| Line of Section 27 Township 29N Range 11 W , 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"/> Plateau, Inc. | Address (Give address to which approved copy of this form is to be sent) P. O. Box 108, Farmington, NM 87401 | | | |
| Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Southern Union Gathering Co. | Address (Give address to which approved copy of this form is to be sent) 1800 First International Building Dallas, TX 75201 | | | |
| If well produces oil or liquids, give location of tanks. | Unit F | Sec. 27 | Twp. 29N | Rge. 11W |
| | Is gas actually connected? YES | | When 10-20-81 | |

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

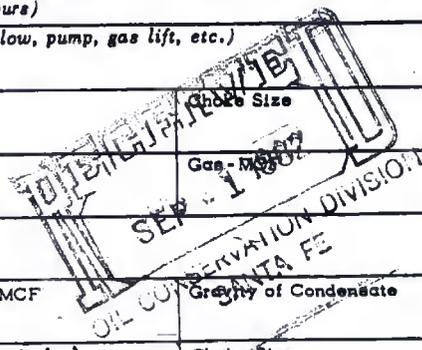
IV. COMPLETION DATA

| | | | | | | | | |
|--|---|-----------|--------------------------------|----------------------------------|-----------------------------|-----------|-------------|--------------|
| Designate Type of Completion - (X) | Oil Well | Gas Well | New Well | Workover | Deepen | Plug Back | Same Res'v. | Diff. Res'v. |
| | | XX | XX | | | | | |
| Date Spudded 02/27/81 | Date Compl. Ready to Prod. 04/21/81 | | Total Depth 6240 | | P.B.T.D. 6224 | | | |
| Elevations (DF, RKB, RT, GR, etc.) 5434 R.K.B. | Name of Producing Formation DAKOTA | | Top Oil/Gas Pay 6024 | | Tubing Depth 6104 | | | |
| Perforations 6024-6160 | | | | Depth Casing Shoe 6240 | | | | |
| TUBING, CASING, AND CEMENTING RECORD | | | | | | | | |
| HOLE SIZE | CASING & TUBING SIZE | | DEPTH SET | | SACKS CEMENT | | | |
| 12-1/4" | 8-5/8", 24.00# | | 365 | | 275 | | | |
| 7-7/8" | 4-1/2", 10.50# | | 6240 | | 1300 (3 stages) | | | |
| | 2-3/8" E.U.E., 4.70# | | 6104 | | | | | |

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



GAS WELL

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

VI. 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.

Union Texas Petroleum Corporation

J.S. Enpic
(Signature)
Vice-President
(Title)

6/10/82
(Date)

OIL CONSERVATION COMMISSION

JUL 23 1982, 19__

APPROVED _____
BY Enric J. Enpic
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 multip

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE October 21, 1981

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM THE Supron Energy Corporation OPERATOR

Mangum LEASE 1-E WELL UNIT (F)27-29N-11W
Basin Dakota POOL Southern Union Gathering Company NAME OF PURCHASER

WAS MADE ON 10-20-81 DATE , FIRST DELIVERY 10-20-81 DATE

1002
INITIAL POTENTIAL

Southern Union Gathering Company
PURCHASER

James R. Large
REPRESENTATIVE
James R. Large
Dispatch Manager
TITLE

045-
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NOV 09 1981
OIL CONSERVATION DIVISION
SANTA FE

/sw
cc: OPERATOR
New Mexico Oil Conservation Commission - Aztec
U. S. Geological Survey
Mr. E. R. Corliss, Engineering
Mr. R. J. McCrary, Prorations
Ms. Nylene Dickson, Gas Measurement
Mr. Jim Bowlby, Gas Accting.
Mr. Mike Lambert, Gas Supply
Mr. Richard Thomas, Gas Supply
Mr. Perry McFarland, Kutz
File

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

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

OIL CONSERVATION DIVISION
APR 21 1981

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I. OPERATOR

Operator
SUPRON ENERGY CORPORATION

Address
P.O. Box 808, Farmington, New Mexico 87401

Reason(s) for filing (Check proper box) Other (Please explain)

New Well Change in Transporter of:

Recompletion Oil Dry Gas

Change in Ownership Casinghead Gas Condensate

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

II. DESCRIPTION OF WELL AND LEASE

| | | | | |
|--|------------------------|---|--|-------------------------|
| Lease Name <u>Mangum</u> | Well No. <u>1-E</u> | Pool Name, Including Formation <u>Basin Dakota</u> | Kind of Lease State, Federal or Fee | Lease No. <u>FEE</u> |
| Location Unit Letter <u>F</u> ; <u>1520</u> Feet From The <u>North</u> Line and <u>1735</u> Feet From The <u>West</u> | | | | |
| Line of Section <u>27</u> Township <u>29 N</u> Range <u>11 W</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>Plateau, Inc.</u> | <u>P.O. Box 108, Farmington, New Mexico 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>Southern Union Gathering Company</u> | <u>First International Building - Dallas, Texas</u> <u>Attention: Mr. R.J. McCrary</u> | | | | | |
| If well produces oil or liquids, give location of tanks. | Unit <u>F</u> | Sec. <u>27</u> | Twp. <u>29N</u> | Rge. <u>11W</u> | Is gas actually connected? <u>No</u> | 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. |
| | | XX | XX | | | | | |
| Date Spudded <u>2-27-81</u> | Date Compl. Ready to Prod. <u>4-21-81</u> | | Total Depth <u>6240</u> | | P.B.T.D. <u>6224</u> | | | |
| Elevations (DF, RKB, RT, GR, etc.) <u>5434 R.K.B.</u> | Name of Producing Formation <u>Dakota</u> | | Top Oil/Gas Pay <u>6024</u> | | Tubing Depth <u>6104</u> | | | |
| Perforations <u>6024 - 6160</u> | | | | | Depth Casing Shoe <u>6240</u> | | | |
| TUBING, CASING, AND CEMENTING RECORD | | | | | | | | |
| HOLE SIZE | CASING & TUBING SIZE | | DEPTH SET | | SACKS CEMENT | | | |
| <u>12-1/4"</u> | <u>8-5/8", 24.00#</u> | | <u>365</u> | | <u>275</u> | | | |
| <u>7-7/8"</u> | <u>4-1/2", 10.50#</u> | | <u>6240</u> | | <u>1300 (3 stages)</u> | | | |
| | <u>2-3/8" E.U.E., 4.70#</u> | | <u>6104</u> | | | | | |

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 Tanks | 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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OIL CON. COM.
DIST. 3

GAS WELL

| | | | |
|--|--|--|---------------------------|
| Actual Prod. Test - MCF/D <u>1002</u> | Length of Test <u>3 hours</u> | Bbls. Condensate/MMCF | Gravity of Condensate |
| Testing Method (pitot, back pr.) <u>Back Pressure</u> | Tubing Pressure (Shut-in) <u>1052</u> | Casing Pressure (Shut-in) <u>1053</u> | Choke Size <u>3/4"</u> |

VI. 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.

Kenneth E. Roddy *Kenneth E. Roddy*
(Signature)
Production Superintendent
(Title)
April 21, 1981
(Date)

OIL CONSERVATION COMMISSION
APR 23 1981

APPROVED _____, 19____
BY Frank J. Gray
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 completed wells.

| | |
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| OFFICE | |
| OPERATOR | |

Form C-105
Revised 11-78

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

5. Indicate Type of Lease
State Fee

6. 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
Communitized No. SW43

8. Farm or Lease Name
Mangum

9. Well No.
1-E

10. Field and Pool, or Wildcat
Basin Dakota

Name of Operator
SUPRON ENERGY CORPORATION

Address of Operator
P.O. Box 808, Farmington, New Mexico 87401

LETTER **F** LOCATED **1520** FEET FROM THE **North** LINE AND **1735** FEET FROM

12. County
San Juan

West LINE OF SEC. **27** TWP. **29** North R. **11** West

| | | | | |
|--------------------------------|--|--|--|-------------------------------------|
| Date Spudded 2-27-81 | 15. Date T.D. Reached 3-8-81 | 17. Date Compl. (Ready to Prod.) 4-21-81 | 18. Elevations (DI, RKB, RT, GR, etc.) 5434 R.K.B. | 19. Elev. Casinghead 5422 |
| Total Depth 6240 | 21. Plug Back T.D. 6224 | 22. If Multiple Compl., How Many | 23. Intervals Drilled By 0 - 6240 | Cable Tools -- |

Producing Interval(s), of this completion - Top, Bottom, Name
6024 - 6160 Dakota

25. Was Directional Survey Made
No

Type Electric and Other Logs Run
Induction Electric and Compensated Density

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 |
|-------------|----------------|-----------|-----------|-----------------------|---------------|
| 8-5/8" | 24.00 | 365 | 12-1/4" | 275 sacks | |
| 4-1/2" | 10.50 | 6240 | 7-7/8" | 1300 sacks (3 stages) | |

| LINER RECORD | | | | 30. TUBING RECORD | | | |
|--------------|-----|--------|--------------|-------------------|------------|-----------|------------|
| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET | PACKER SET |
| | | | | | 2-3/8" EUE | 6104 | |

Perforation Record (Interval, size and number)
1-0.42" hole at each of the following depths: 6024, 26, 28, 38, 42, 44, 48, 50, 52, 72, 73, 76, 94, 96, 6098, 6100, 02, 04, 06, 08, 10, 12, 14, 16, 18, 20, 22, 6124, 26, 28, 30, 34, 36, 54, 56, 58, 60. (Total of 37 holes)

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|--|
| 6024 - 6160 | 2000 gal. 7 1/2% HCL, 152,000 lb. 20-40 sand, and 30 lb. cross-linked gel. All fluid contained 2% KCL and biocide. |

PRODUCTION

31. Date First Production
4-21-81

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

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

| | | | | | | | |
|-------------------------------------|-------------------------------|---------------------------|-------------------------|--------------------------|-------------------------|---------------------------|-----------------|
| 31. Date of Test 4-21-81 | Hours Tested 3 | Choke Size 3/4" | Prod'n. For Test Period | Oil - Bbl. | Gas - MCF 125 | Water - Tbl. | Gas - Oil Ratio |
| 31. Well Tubing Press. 73 | Casing Pressure 261 | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF 1002 | Water - Bbl. | Oil Gravity - API (Corr.) | |

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

Test Witnessed By
Clifton Gates

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 Kenneth E. Roddy TITLE Production Superintendent DATE April 21, 1981

OIL CONSERVATION DIVISION

Form C-122
Revised 10-1-78

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

| Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special | | Test Date 4-21-81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------------|--|----------------------------------|---|---|----------------------|-----------------|-----------------------------|-----------------|-----------------------------|---|---|--|-----|--------|-----------|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|
| Company SUPRON ENERGY CORPORATION | | Connection Southern Union Gathering Company | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pool Basin | | Formation Dakota | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Completion Date 4-10-81 | | Total Depth 6240 | Plug Back TD 6224 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Elevation 5434 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coq. Size 4.500 | Wt. 10.50 | d 4.052 | Set At 6240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Perforations From 6024 To 6160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trq. Size 2.375 | Wt. 4.70 | d 1.995 | Set At 6104 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Perforations From NO PERFORATIONS To | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type Well - Single - Pindenhead - G.C. or C.O. Multiple Single | | Packer Set At | Form or Lease Name Mangum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Producing Thru Tubing | | Reservoir Temp. °F # | Annual Temp. °F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Baro. Press. - P ₀ 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L 6094 | H | G _g 0.650 | % N ₂ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | % H ₂ S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Provel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Meier Run | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Topo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FLOW DATA | | TUBING DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CASING DATA | | Duration of Flow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. | Provel Line Size | X | Orifice Size | Press. p.s.i.g. | Diff. hr | Temp. °F | Press. p.s.i.g. | Temp. °F | Press. p.s.i.g. | Temp. °F | Duration of Flow | | | | | | | | | | | | | | | | | | | | | | | | | |
| SI | 2" | | 3/4" | | | | 1052 | | 1053 | | 7 days | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | | | | | | | 73 | 68° | 261 | | 3 hours | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RATE OF FLOW CALCULATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. | Coefficient (24 Hour) | Pressure P _m | Flow Temp. Factor F _t | Gravity Factor F _g | Super Compress. Factor, F _{sp} | Flow of Flow Q, Mcfd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 12.3650 | 85 | 0.9924 | 0.9608 | 1.000 | 1002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO. | R ₁ | Temp. °R | T ₁ | Z | Gas Liquid Hydrocarbon Ratio | Mcf/bbl. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | A.P.I. Gravity of Liquid Hydrocarbon | Req. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | Specific Gravity Separator Gas | XXXXXXXXXX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | Specific Gravity Flowing Fluid | XXXXXX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | Critical Pressure | P.S.I.A. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | Critical Temperature | R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $P_c = 1065 \quad P_c^2 = 1,134,225$ <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>P₁²</th> <th>P_w</th> <th>P₁²</th> <th>P₁² - P_w²</th> </tr> <tr> <td>1</td> <td></td> <td>273</td> <td>74,529</td> <td>1,059,696</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> $(1) \frac{P_c^2}{P_1^2 - P_w^2} = 1.0703 \quad (2) \left[\frac{P_c^2}{P_1^2 - P_w^2} \right]^n = 1.0522$ $AOF = Q \left[\frac{P_c^2}{P_1^2 - P_w^2} \right]^n = 1054$ | | | | | | | NO. | P ₁ ² | P _w | P ₁ ² | P ₁ ² - P _w ² | 1 | | 273 | 74,529 | 1,059,696 | 2 | | | | | 3 | | | | | 4 | | | | | 5 | | | | |
| NO. | P ₁ ² | P _w | P ₁ ² | P ₁ ² - P _w ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 273 | 74,529 | 1,059,696 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Absolute Open Flow | | 1054 | | Mcf @ 15.025 | | Angle of Slope | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Slope, n = 0.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Approved by Division | | Conducted by | | Calculated by | | Checked by | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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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

Name of Operator
SUPRON ENERGY CORPORATION

Address of Operator
P.O. Box 808, Farmington, New Mexico 87401

Location of Well
UNIT LETTER F 1520 FEET FROM THE North LINE AND 1735 FEET FROM
THE West LINE, SECTION 27 TOWNSHIP 29 North RANGE 11 West N.M.P.M.

7. Unit Agreement Name
Communitized No. SW43"

8. Farm or Lease Name
Mangum

9. Well No.
1-E

10. Field and Pool, or Wildcat
Basin Dakota

12. County
San Juan

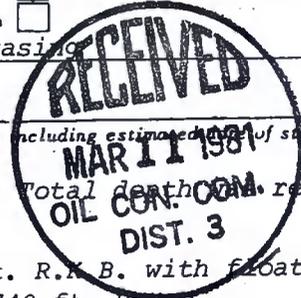
15. Elevation (Show whether DF, RT, GR, etc.)
5434 R.K.B.

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

| | | | |
|--|---|---|---|
| FORM 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"/> |
| DRILL OR ALTER CASING <input type="checkbox"/> | OTHER <input type="checkbox"/> | CASING TEST AND CEMENT JOB <input type="checkbox"/> | OTHER <u>Ran 4 1/2" casing</u> <input type="checkbox"/> |

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

1. Drilled 7-7/8" hole w/ mud to total depth of 6240 ft. R.K.B. Total depth reached on 3-8-81.
2. Ran 153 joints of 4 1/2", 10.50#, K-55 casing and set at 6240 ft. R.K.B. with float collar at 6224 ft. R.K.B. Stage collars were set at 4180 ft. and 2748 ft. R.K.B.
3. Cemented first stage with 350 sacks of 50-50 POZ mix with 2% gel and 10% salt. Plug down at 9:45 p.m. 3-9-81. Cemented second stage with 250 sacks of 50-50 POZ mix with 4% gel and 6 1/2 lb. of Gilsonite per sack and 50 sacks of class "B" with 2% calcium chloride. Plug down at 1:15 a.m. 3-10-81. Cemented third stage with 450 sacks of 65-35-12 with 12 1/2 lb. of Gilsonite per sack and 200 sacks of 50-50 POZ mix with 2% gel and 6 1/2 lb. of Gilsonite per sack. Plug down at 2:30 a.m. 3-10-81.
4. Cement circulated to the surface on the third stage.



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

APPROVED BY Kenneth E. Roddy TITLE Production Superintendent DATE March 10, 1981

APPROVED BY Frank J. Gray TITLE SUPERVISOR DISTRICT # 3 DATE MAR 11 1981

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-85

| | |
|--------------------------------|---|
| 5a. Indicate Type of Lease | |
| State <input type="checkbox"/> | Fee <input checked="" type="checkbox"/> |
| 5. State Oil & Gas Lease No. | |
| 7. Unit Agreement Name | |
| Communitized No. SW 43' | |
| 8. Farm or Lease Name | |
| Mangum | |
| 9. Well No. | |
| 1-E | |
| 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 GAS WELL OTHER

Name of Operator
SUPRON ENERGY CORPORATION

Address of Operator
P.O. Box 808, Farmington, New Mexico 87401

Location of Well
UNIT LETTER **F** **1520** FEET FROM THE **North** LINE AND **1735** FEET FROM
THE **West** LINE, SECTION **27** TOWNSHIP **29 North** RANGE **11 West** NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
5434 R.K.B.

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

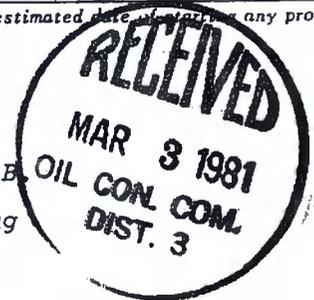
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

| | | | |
|--|---|--|---|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | 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"/> |
| WELL OR ALTER CASING <input type="checkbox"/> | OTHER <input type="checkbox"/> | CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/> | OTHER <input type="checkbox"/> |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of completion of any proposed work) SEE RULE 1703.

- Spudded 12 1/4" surface hole at 12:45 a.m. 2-27-81.
- Drilled 12 1/4" surface hole to total depth of 367 ft. R.K.B.
- Ran 8 joints of 8-5/8", 24.00#, H-40 casing and set at 365 ft. R.K.B.
- Cemented with 275 sacks of class "B" with 3% Calcium Chloride. Plug down at 10:30 p.m. 2-27-81. Cement circulated to surface.
- Waited on cement for 12 hours.
- Pressure-tested casing to 800 P.S.I. for 15 minutes. Held OK.



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

SIGNED Kenneth E. Roddy TITLE Production Superintendent DATE March 2, 1981

APPROVED BY Frank J. [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE MAR 3 1981

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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.

7. Unit Agreement Name
Communitized No. SW43

8. Farm or Lease Name
Mangum

9. Well No.
1-E

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 GAS WELL OTHER

Name of Operator
SUPRON ENERGY CORPORATION

Address of Operator
P.O. Box 808, Farmington, New Mexico 87401

Location of Well
UNIT LETTER *F* *1520* FEET FROM THE *North* LINE AND *1735* FEET FROM
THE *West* LINE, SECTION *27* TOWNSHIP *29 North* RANGE *11 West* NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
5422 Gr.

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"/> |
| NULL OR ALTER CASING <input type="checkbox"/> | OTHER <i>Extend Spud Date</i> <input checked="" type="checkbox"/> | CASING TEST AND CEMENT JOB <input type="checkbox"/> | OTHER <input type="checkbox"/> |

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

We desire an extension of the spud date deadline from 2-14-81 until 3-14-81 due to rig availability.

RECEIVED
FEB 19 1981
OIL CONSERVATION DIVISION
APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,
EXPIRES 8-14-81

RECEIVED
FEB 9 1981
OIL CON. COM.
DIST. 3

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

SIGNED *Rudy D. Motto* TITLE *Area Superintendent* DATE *February 9, 1981*

APPROVED BY *Frank J. Chang* TITLE *SUPERVISOR DISTRICT #4* DATE *FEB 9 1981*

CONDITIONS OF APPROVAL, IF ANY:

30-045-24673

Form C-101
Revised 10-1-78

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5A. Indicate Type of Lease
STATE FEE

5. 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
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. Name of Operator
Supron Energy Corporation

3. Address of Operator
P.O. Box 808, Farmington, New Mexico 87401

4. Location of Well
UNIT LETTER **F** LOCATED **1520** FEET FROM THE **North** LINE
AND **1735** FEET FROM THE **West** LINE OF SEC. **27** TWP. **29-N** RGE. **11-W** NMPM

7. Unit Agreement Name
Communitized No. SW43

8. Farm or Lease Name
Mangum

9. Well No.
1-E

10. Field and Pool, or Wildcat
Basin Dakota

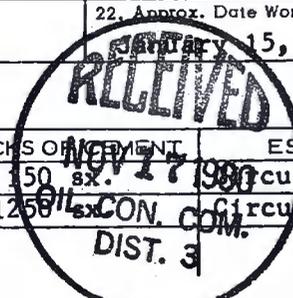
12. County
San Juan

19. Proposed Depth **6250 Ft.** 19A. Formation **Dakota** 20. Rotary or C.T. **Rotary**

21. Elevations (Show whether DF, RT, etc.) **5422 GR** 21A. Kind & Status Plug. Bond **Current \$50,000. Blanket** 21B. Drilling Contractor **Brinkerhoff** 22. Approx. Date Work will start **January 15, 1981**

23. PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|----------------|------------|
| 12-1/4" | 8-5/8" | 24.00 | 250 Ft. | 150 sx. | Circulated |
| 7-7/8" | 4-1/2" | 10.50 | 6250 Ft. | 1250 sx. | Circulated |



It is our intention to drill this well to T.D. of approximately 6250 (+) using mud as the circulating medium. New 8-5/8" surface casing will be run then cemented with the cement being circulated to surface. Drill out from under surface with a 7-7/8" bit to T.D. Run new 4-1/2" pipe and cement as follows: 1st stage 350 sx of 50-50 poz w/2% gel. Set D.V. tool at approximately (+) 4300 ft. and cement with 250 sx of 50-50 poz w/2% gel and 6# Gilsonite/sx. Set D.V. tool at approximately 2750 ft. and cement with 450 sx of 65-35-6 w/12-1/2# Gilsonite/sx and 200 sx of 50-50 poz w/2% gel and 6# Gilsonite. Pressure test the casing. Perforate the Dakota zone. Fracture zone to stimulate production. Clean well up and run tubing. Nipple down well head. Test well and connect to a Gathering system.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

The B.O.P. schematic is attached.
This gas has previously been dedicated to a purchaser.

NOV 23 1980
EXPIRES 2-14-81

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.

Signed Andy D. Metts Title Area Superintendent Date November 13, 1980

(This space for State Use)

DEPUTY OIL & GAS INSPECTOR, DIST. #3

NOV 17 1980

APPROVED BY Charles Gholson TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-104
Supersedes C-128
Effective 1-1-65

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

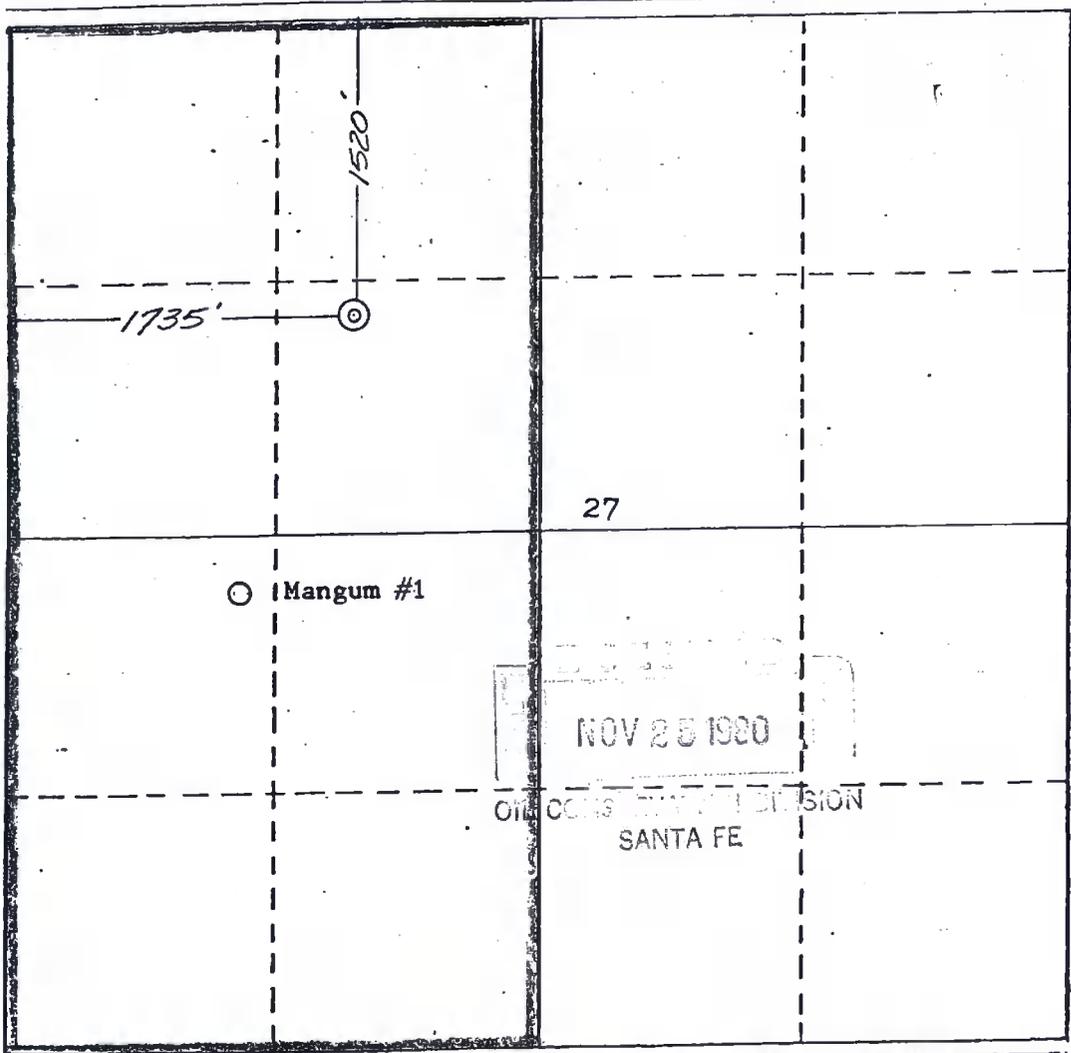
| | | | | | |
|--|--------------------------------------|-----------------------------|-------------------------|---|------------------------|
| Operator SUPRON ENERGY CORPORATION | | | Lease MANGUM | | Well No. 1-E |
| Unit Letter F | Section 27 | Township 29 NORTH | Range 11 WEST | County SAN JUAN | |
| Actual Footage Location of Well: 1520 feet from the NORTH line and 1735 feet from the WEST line | | | | | |
| Ground Level Elev. 5422 | Producing Formation Dakota | | Pool Basin | Dedicated Acreage: W$\frac{1}{2}$ 320.00 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 SW 43

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.

RECEIVED NOV 17 1980 OIL CON COM DIST. 3

Name Rudy D. Motto
Position Area Superintendent
Company SUPRON ENERGY CORPORATION
Date October 30

REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR STATE OF NEW MEXICO

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

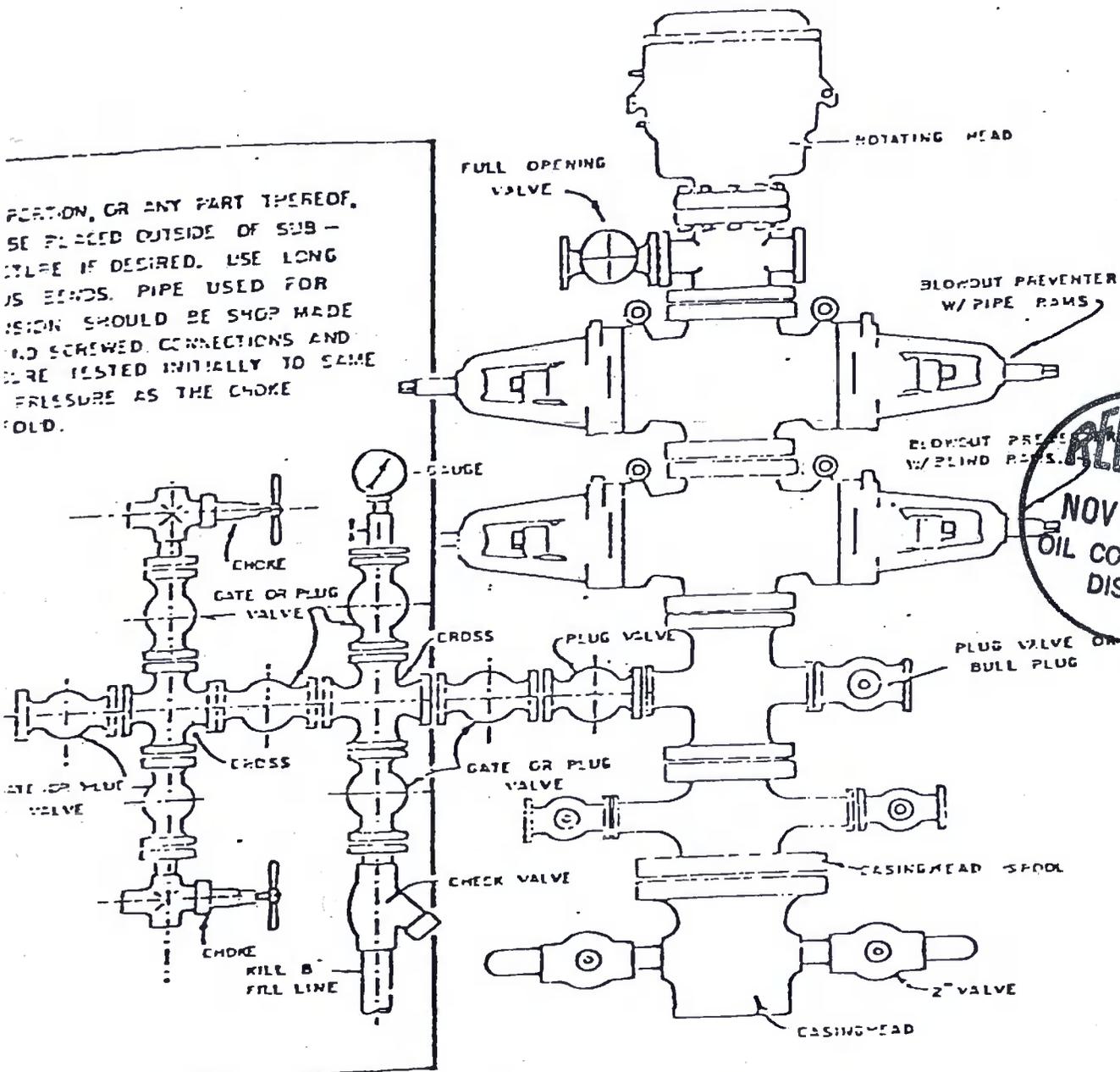
NOV 25 1980 OIL CONSERVATION DIVISION SANTA FE

Date Surveyed October 23, 1980
Registered Professional Engineer and/or Land Surveyor James P. Leese
Certificate No. 1463

Blowout Preventer will be tested daily and prior to drilling out with the results to be logged on the drillers report.

The B.O.P. and all valve and fittings are rated at 3000 psi working pressure, and hydraulically operated

SECTION, OR ANY PART THEREOF, BE PLACED OUTSIDE OF SUB - CYCLE IF DESIRED. USE LONG JOBS ENDS. PIPE USED FOR SECTION SHOULD BE SHOP MADE AND SCREWED CONNECTIONS AND WERE TESTED INITIALLY TO SAME PRESSURE AS THE CHOKE HOLD.



RECEIVED
 NOV 17 1980
 OIL CON. COM.
 DIST. 3

BLOWOUT PREVENTER HOCKUP

Petroleum Information
Corporation
GEO-RICHE™

29N-11W-27-06 (SE NW)
NEW MEXICO NM

WELL: MANGUM 1E
OPER: SUPRON ENERGY
CNTY: SAN JUAN

LAPI: 30-045-24673
ISSUE: A07/86
CARD: 1



CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/20/02 12:15:44
OGOMES -TPOX
PAGE NO: 1

Sec : 27 Twp : 29N Rng : 11W Section Type : NORMAL

| | | | |
|-----------------------------|--|-----------------------------|--------------------------------------|
| D 40.00 Fee owned | C 40.00 Fee owned | B 40.00 Fee owned | A 40.00 Federal owned |
| E 40.00 Fee owned | F 40.00 Fee owned A A A | G 40.00 Fee owned | H 40.00 Fee owned A |

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/20/02 12:15:48
OGOMES -TPOX
PAGE NO: 2

Sec : 27 Twp : 29N Rng : 11W Section Type : NORMAL

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

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

CMD : ONGARD 11/20/02 12:16:10
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPOX

API Well No : 30 45 24673 Eff Date : 10-01-1981 WC Status : A
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 7282 MANGUM

Well No : 001E
GL Elevation: 5422

| | U/L | Sec | Township | Range | North/South | East/West | Prop/Act (P/A) |
|-----------|-----|-----|----------|-------|--------------|--------------|----------------|
| | --- | --- | ----- | ----- | ----- | ----- | ----- |
| B.H. Locn | : F | 27 | 29N | 11W | FTG 1520 F N | FTG 1735 F W | P |

Lot Identifier:
Dedicated Acre: 320.00
Lease Type : P
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

CMD : ONGARD 11/20/02 12:16:19
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TP0X
Page No : 1

API Well No : 30 45 24673 Eff Date : 04-30-1991
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
Prop Idn : 7282 MANGUM Well No : 001E
Spacing Unit : 31819 OCD Order : Simultaneous Dedication:
Sect/Twp/Rng : 27 29N 11W Acreage : 320.00 Revised C102? (Y/N) :
Dedicated Land:

| S | Base | U/L | Sec | Twp | Rng | Acreage | L/W | Ownership | Lot | Idn |
|---|------|-----|-----|-----|-------|---------|-----|-----------|-----|-----|
| | C | 27 | 29N | 11W | 40.00 | N | FE | | | |
| | D | 27 | 29N | 11W | 40.00 | N | FE | | | |
| | E | 27 | 29N | 11W | 40.00 | N | FE | | | |
| | F | 27 | 29N | 11W | 40.00 | N | FE | | | |
| | K | 27 | 29N | 11W | 40.00 | N | FD | | | |
| | L | 27 | 29N | 11W | 40.00 | N | FD | | | |
| | M | 27 | 29N | 11W | 40.00 | N | FD | | | |
| | N | 27 | 29N | 11W | 40.00 | N | FD | | | |

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF