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Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

NM042 4859

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SW 325

8. Well Name and No.

Bunnel Federal #2

9. API Well No.

30-015-25007

10. Field and Pool, or Exploratory Area

Indian Basin Upper Penn

11. County or Parish, State

Eddy
New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ORYX ENERGY COMPANY

3. Address and Telephone No.

P.O. BOX 2880 DALLAS, TX 75221-2880

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Ut. P, 1200' FSL, 330' FEL
Sec. 18, T21S, R23E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other CHG METHOD OF MEASUREMENT
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

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

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

Oryx Energy respectfully requests approval of off-lease measurement/alternate method of measurement and commingling of condensate produced in the Indian Basin Field and transported via pipeline to the Indian Basin Gas Plant. (Approval being required by 43 CFR 31.62.7-2 and Onshore Oil and Gas Order No. 4.

Oryx Energy also respectfully requests approval of off-lease measurement and commingling of gas produced in the Indian Basin Field and transported to the Indian Basin Gas Plant. (Approval required by 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 5.

Original requests and methods were requested/submitted by Marathon between November 1991 and February 1993.

Oryx Energy Company is in agreement with methodology and therefore, requests to be in compliance.

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

Signed Peggy Snyder Peggy Snyder

Title Staff Prof. Proration Analyst

Date 6-29-93

(This space for Federal or State office use)

(ORIG. SGD.) JOE G. LARA

Title Petroleum Engineer

Date JUL 08 1993

Approved by
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment: data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

401 LTR P 1992
JUL 27 1992
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ORYX ENERGY COMPANY ✓

3. Address and Telephone No.

P.O. BOX 2880 DALLAS, TX 75221-2880

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

UNIT LTR P, 1200' FSL, 330' FEL, SEC. 18, T21S, R23E

5. Lease Designation and Serial No.
NM0424859

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No. 2

BUNNEL FEDERAL

9. API Well No.

30-015-25007

10. Field and Pool, or Exploratory Area
INDIAN BASIN UPPER PENN

11. County or Parish, State
EDDY

NEW MEXICO

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

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TYPE OF ACTION

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☐ Change of Plans
☒ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

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

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

SET ADDITIONAL COMPRESSOR TO LOWER TUBING PRESSURE, THEREBY INCREASING THE
THE PRODUCTIVITY OF THE WELL.

ATTACHED IS AN UPDATED SITE SECURITY DIAGRAM INDICATING THE LOCATION
OF THE SECOND COMPRESSOR.

RECEIVED
JUL 27 10 41 AM '92
CARLOS J. GARCIA
AREA HEADQUARTERS

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

Signed

Keith Hall

Title

Operations Engineer

Date

7-23-92

(This space for Federal or State office use)

Approved by

Title

Date

8/5/92

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Oxy Energy Company

P.O. Box 2880

Dallas, Texas 75221-2880

Bureau Federal #2

Sec 18-T21S-R23E

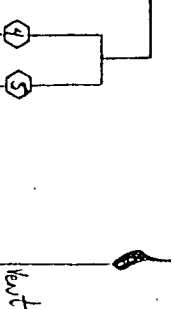
cdly County, New Mexico

Federal LSE # NM-0424859

Site Security Diagram

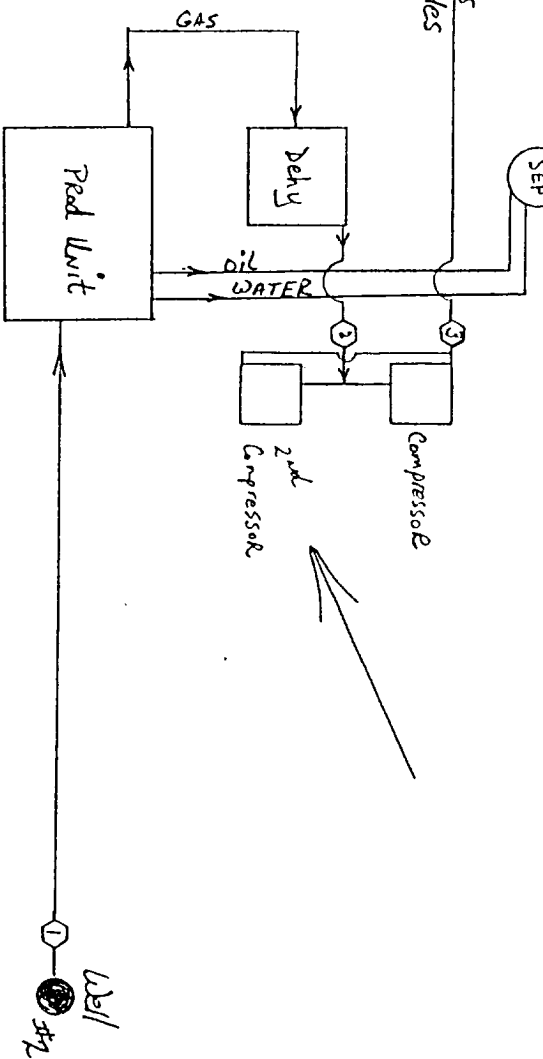
oil sales at Maethon Plant
to Redman Corp

Plant
Liquid Line



Valve	Description	Production	Sales
1	Master Valve	Open	Open
2	Compressor Suct	Open	Open
3	Compressor Disch	Open	Open
4	Dil Leg	Open	Open
5	Water leg	Open	Open

Gas Sales at
Maethon Plant
to Gas Mark
& Natural Gas
Pipeline



closed System

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0115
Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO. *dsf*

NM0424859

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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" for such proposals.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bunnel Federal

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Indian Basin Upper Penn

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 18, T21S, R23E

12. COUNTY OR PARISH

Eddy

13. STATE
New Mexico

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Oryx Energy Co. *✓*

3. ADDRESS OF OPERATOR

P. O. Box 2880 Dallas, TX 75221-2880

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1200' FSL, 330' FEL

14. PERMIT NO

15. ELEVATIONS (Show whether DF, AT, GR, etc.)

KB4093.5' GL4076'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANT

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Add perf density, stimulate (acidize) and replace 2-3/8" tubing with 2-7/8" tubing.

See attached for recommended procedure.

RECEIVED
MAR 16 8 1 AM '92
OIL
AREA

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

SIGNED

John W. Broude
214-712-3445

TITLE

PPC Analyst

DATE

3/10/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

3/23/92

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

WELL: BUNNEL FEDERAL #2
INDIAN BASIN FIELD
EDDY COUNTY, NEW MEXICO

DATA

PERMANENT ZERO POINT: ZERO = KB = 17.5 AGL

UPPERMOST PLUG: 7363'

RETAINER: NONE

CASING: 4 1/2" 11.6 J-55

DEPTH SET @ 7600'

PACKER DEPTH (TOP) & TYPE: BKR A-2 LOK SET @ 6976'

TUBING: 2-3/8" 4.7# J-55

DEPTH SET @ 6980'

TOC: LOG: 5792'

PERFS: UPPER PENN (7005-10, 7024-27, 7040-43, 7047-50, 7085-90, 7133, 7134, 7138, 7139, 7172-76, 7182-85, 7209-18, 7229, 7231, 7233, 7247, 7249, 7251, 7253, 7267, 7269, 7273, 7275, 7284-87)

PROCEDURE

1. MIRU. KILL WELL W/2% KCL WTR. ND WH. NU BOP.
2. POOH & LD 2-3/8" 4.7# J-55 TBG & BKR A-2 LOK SET PKR.
3. RU WEDGE WIRELINE, RIH W/ 3-1/8" HSC CSG GUN W/15 GM CHARGES & .40" DIA HOLE. CORRELATE TO ATTACHED SCHLUM CBL-GR-CCL DATED 10-20-84 (ATTACHED) AND RE-PERF UPPER PENN AS FOLLOWS:

(7022-7029)	7'	4JSPF	28	HOLES
(7040-7054)	14'	4JSPF	56	HOLES
(7180-7187)	7'	4JSPF	28	HOLES
(7228-7238)	10'	4JSPF	40	HOLES
(7246-7276)	30'	4JSPF	120	HOLES
(7284-7288)	<u>4'</u>	4JSPF	<u>16</u>	HOLES
TOTAL	72'		288	HOLES

4. PICK UP & RIH W/4-1/2" 3 MOD "R" PKR, API SN, ON 2-7/8" # J-55 TBG W/3.46" OD TURNED DOWN "SPECIAL" COLLARS. SET PKR @ 6950' W/15000# COMP.
5. ND BOP. NU WELLHEAD.
6. RU HOWCO, LOAD BACKSIDE W/2% KCL WTR & TRAP 500 PSI. SET CSG POP OFF VALVE @ 1000 PSI. ACDZ PERFS (7005-7287) W/3200 GALS 15% FE HCL FOAMED W/N₂ TO 75% QUALITY @ 3 BPM. MAX PRESSURE = 3500 PSI AS FOLLOWS:

- A. 200 GALS 15% FE HCL
- B. 5000 GALS 75% FOAMED 15% FE HCL
- C. 2000 GALS 75% FOAMED 15% FE HCL W/ 1#/GAL TBA-110 (RS)
- D. 5000 GALS 75% FOAMED 15% FE HCL
- E. FLUSH W/ ±25,000 SCF N₂.
- F. OBTAIN ISIP, 5 MIN, 10 MIN, 15 MIN SIP
- G. OPEN WELL, FLOW TO FRAC TANK, REC LOAD.
- H. SWITCH WELL TO PROD UNIT

SUMMARY: TOTAL 3200 GALS 15% FE HCL
255,000 SCF N₂ (INCLUDING COOL DOWN)
2000 LBS. TBA-110 ROCK SALT

ADDITIVES: 15% FE HCL - 5 GALS/M PEN-5
- 2 GALS/M HAI-65
ROCK SALT - 1 LB/GAL - FOAM

7. RR.