

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

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

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

MAY - 4 '89

API NO. (assigned by OCD on New Wells)

30-015-26111

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

ARTESIA, OFFICE

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

7. Lease Name or Unit Agreement Name

Willow Lake 15

2. Name of Operator

Enron Oil & Gas Company

8. Well No.

1

3. Address of Operator

P. O. Box 2267, Midland, Texas 79702

9. Pool name or Wildcat

x Und. Willow Lake Atoka

4. Well Location

Unit Letter

0

: 660

Feet From The

south

Line and

1980

Feet From The

east

Line

Section

15

Township

24S

Range

28E

NMPM

Eddy

County

10. Proposed Depth

12,000'

11. Formation

Atoka

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

3002.8' GR

14. Kind & Status Plug. Bond

Blanket-Active

15. Drilling Contractor

Unknown at present

16. Approx. Date Work will start

When permitted

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17"	13-3/8"	48#	600'	750 sacks	Circulated
12-1/4"	9-5/8"	36#	2,500'	1700 sacks	Circulated
8-1/2"	7"	23#	10,400'	1350 sacks	7000'
6-1/8"	4-1/2" Liner	13.5#	12,000'	340 sacks	10,200'

BOP - Install at 2500' w/3000# cap. and 3000 # annular preventor, at 10,400' increase to 10,000# cap w/5000# annular preventor. Will use standard controlled BOP installation.

Gas is not dedicated.

RECEIVED

MAY - 8 1989

APPROVAL VALID FOR 180 DAYS

PERMIT EXPIRES 11/4/89

UNLESS DRILLING UNDERWAY

OIL CONSERVATION DIV.

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.

SIGNATURE Betty Gildon TITLE Regulatory Analyst

DATE 5/3/89

TYPE OR PRINT NAME

TELEPHONE NO. (915) 686-3714

(This space for State Use)

APPROVED BY

TITLE

WILLIAMSON, DISTRICT II

DATE

MAY 4 1989

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
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Santa Fe, New Mexico 87504-2088

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P.O. Drawer DD, Artesia, NM 88210

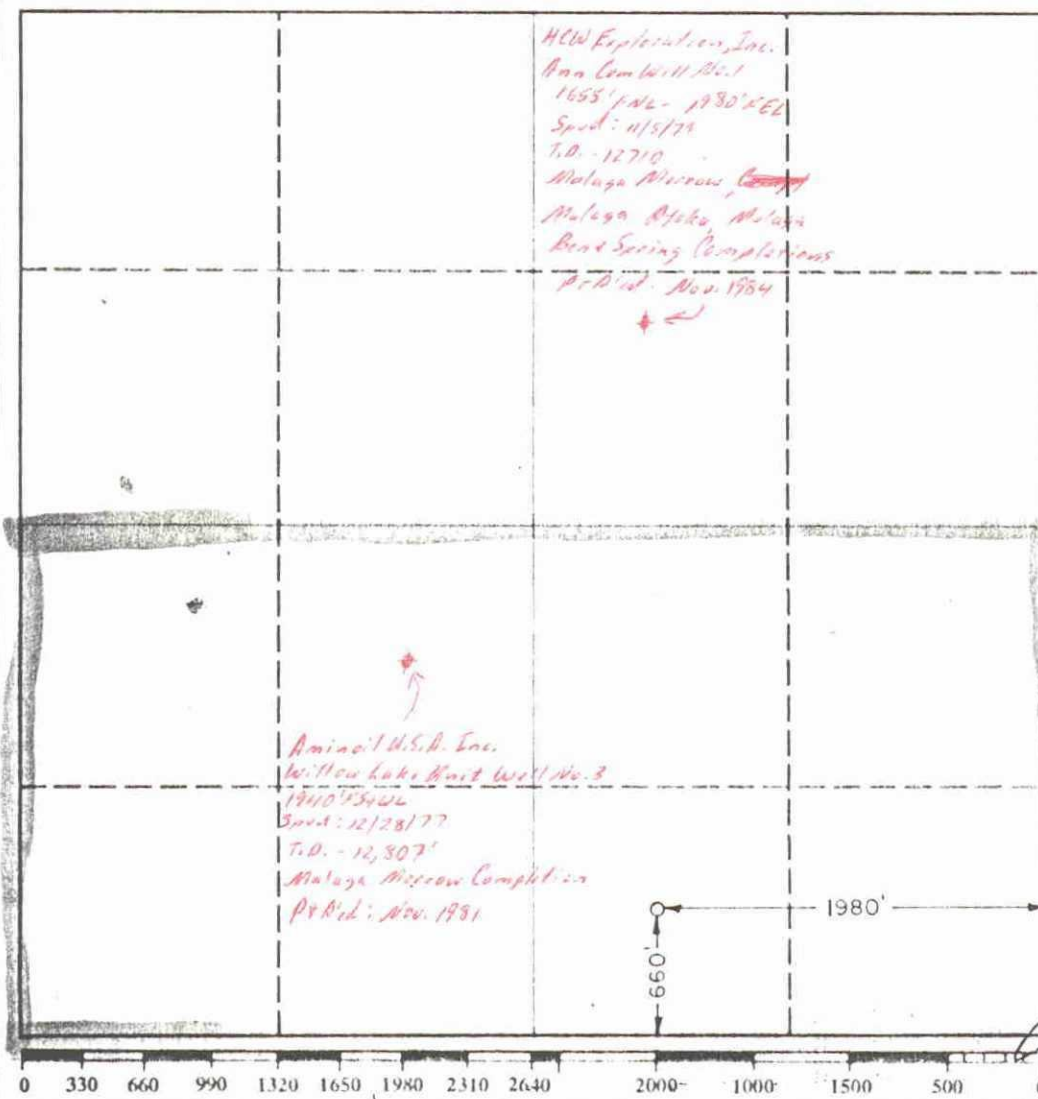
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Enron Oil & Gas Company			Lease Willow Lake 15		Well No. 1
Unit Letter 0	Section 15	Township 24 South	Range 28 East	NMPM	County Eddy
Actual Footage Location of Well: 660 feet from the South line and 1980 feet from the East line					
Ground level Elev. 3002.8	Producing Formation Atoka		Pool Willow Lake		Dedicated Acreage: 320 S/2 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
Betty Gildon
Printed Name
Betty Gildon
Position
Regulatory Analyst
Company
Enron Oil & Gas Company
Date
5/3/89

SURVEYOR CERTIFICATION

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

Date Surveyed
April 20, 1989
Signature
Professional



COUNTY

Eddy

POOL

Malaga-Atoke Gas

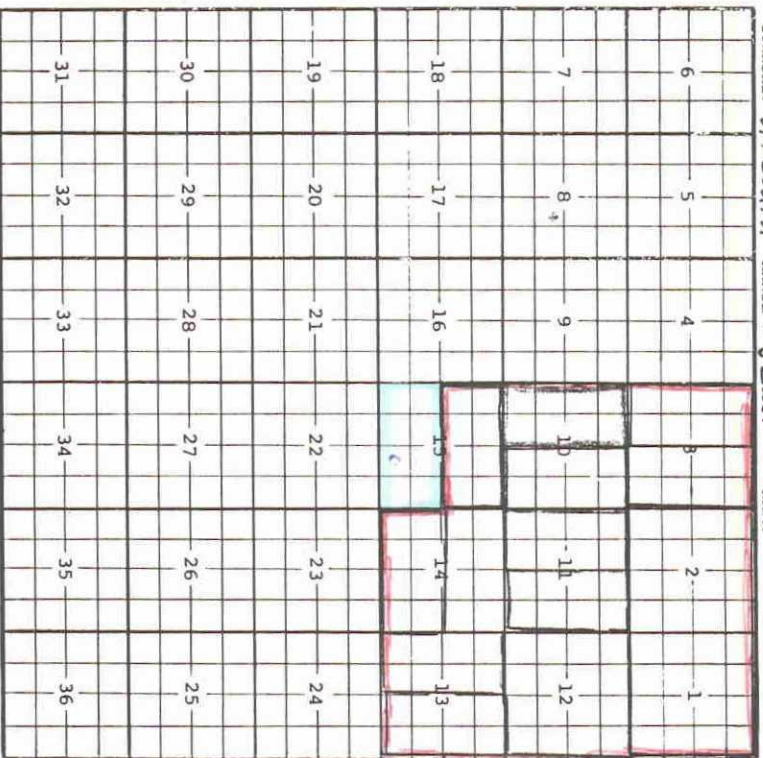
TOWNSHIP

24 South

RANGE

28 East

NMPM



Description: 10 1/2 Sec. 11, (R-5988-A) Ext: 7/2
 Sec. 3 1/2 Sec. 10 (R-6169 11-1-74) Ext: 1/2 Sec. 3 (R-6526, 2-10-81)
 Ext: 1/2 Sec. 15 (R-6724, 7-16-81) Ext: 5/8 Sec. 11 (R-6994, 5-28-82)
 Ext: 3/4 Sec. 10 1/2 (R-7030, 7-21-87)
 Ext: 1/2 Sec. 13, 1/2 Sec. 14 (R-7158, 12-8-82) Ext: All Sec. 14 (R-7239, 5-12-83)
 Ext: 5/8 Sec. 14 (R-7419, 12-21-83) Ext: All Sec. 15 and 2 (R-7555, 6-14-84)
 Ext: 5/8 Sec. 13 (R-8286, 8-26-86)

COUNTY Eddy

POOL

Malaga-Atoke Gas

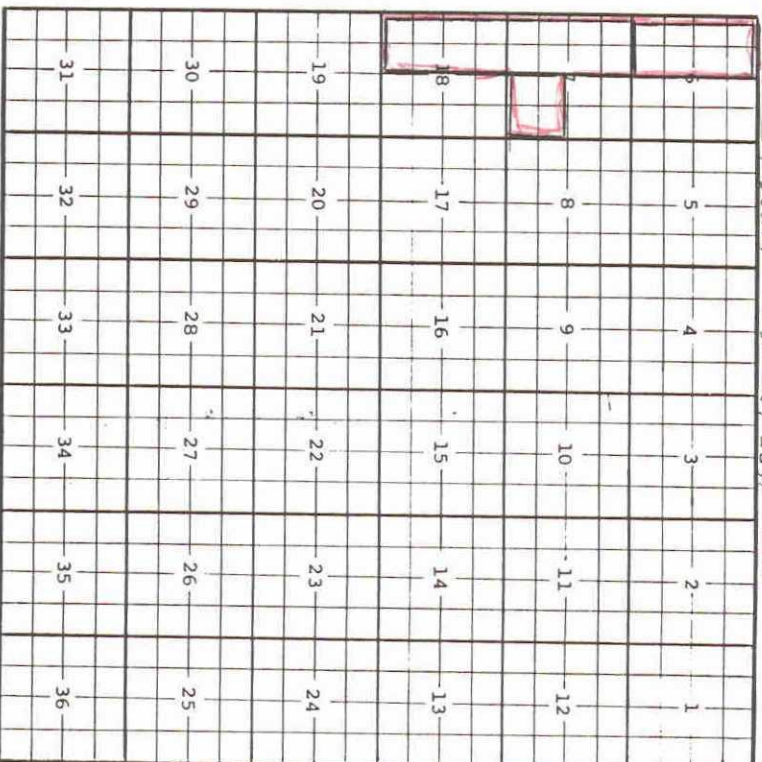
TOWNSHIP

24 South

RANGE

29 East

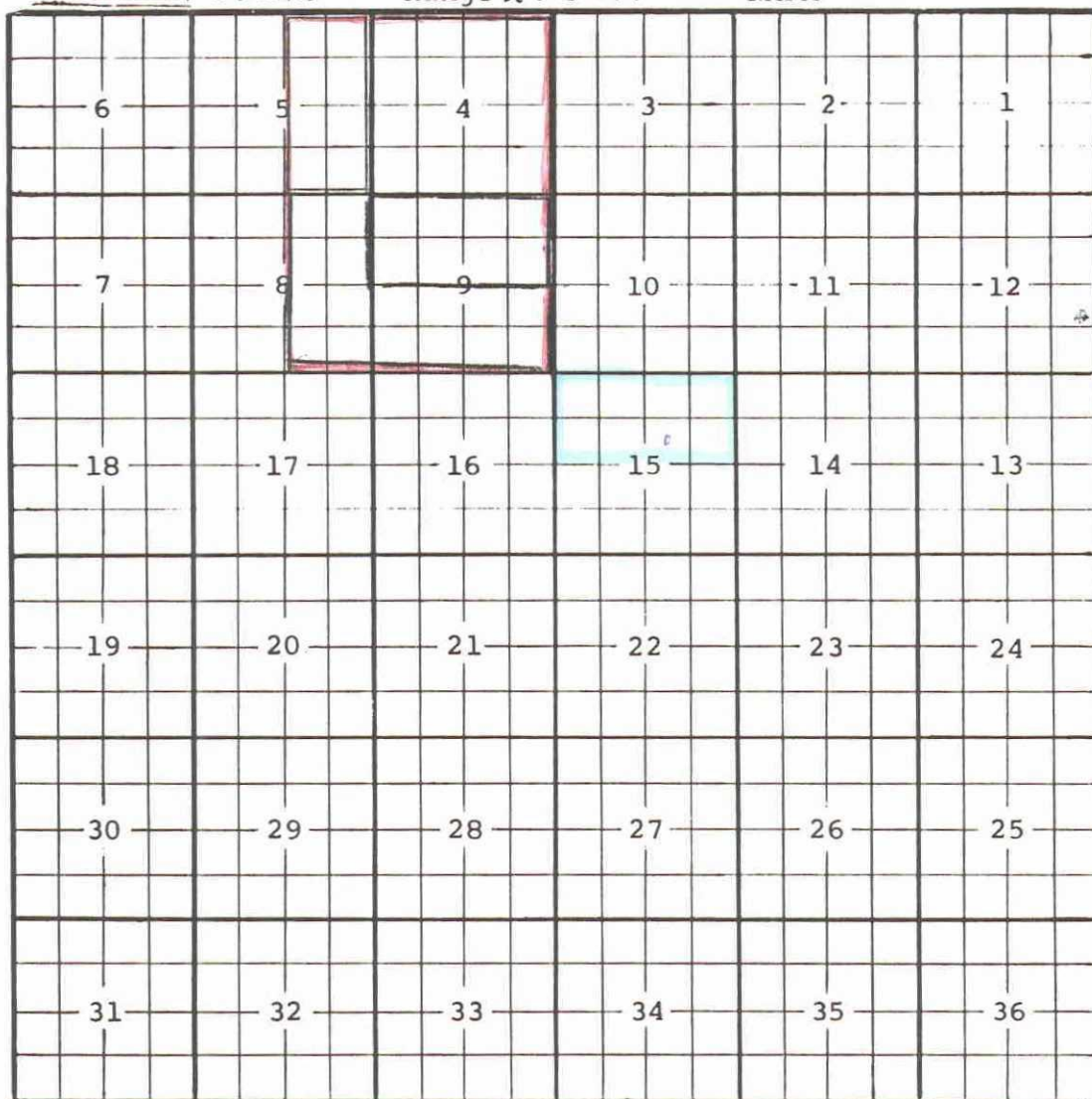
NMPM



Ext: 1/2 Sec. 6 (R-7555, 6-14-84) Ext: 1/2 Sec. 7, 1/2 Sec. 18 (R-8228, 5-19-86)
 Ext: 5/8 Sec. 7 (R-8434, 4-15-87)

County Eddy Pool West Malaga - Atoka GasTOWNSHIP 24 SouthRange 28 East

NMPM



Description: $\frac{E}{2}$ Sec 5 (R-5667, 4-1-78) Ext: $\frac{E}{2}$ Sec. 8, $\frac{E}{2}$ Sec. 9,
 (R-6476, 10-1-80) Ext. $\frac{W}{2}$ Sec 9 (R-6576, 2-10-81)
 Ext: All Sec 4 (R-6657, 4-20-81)

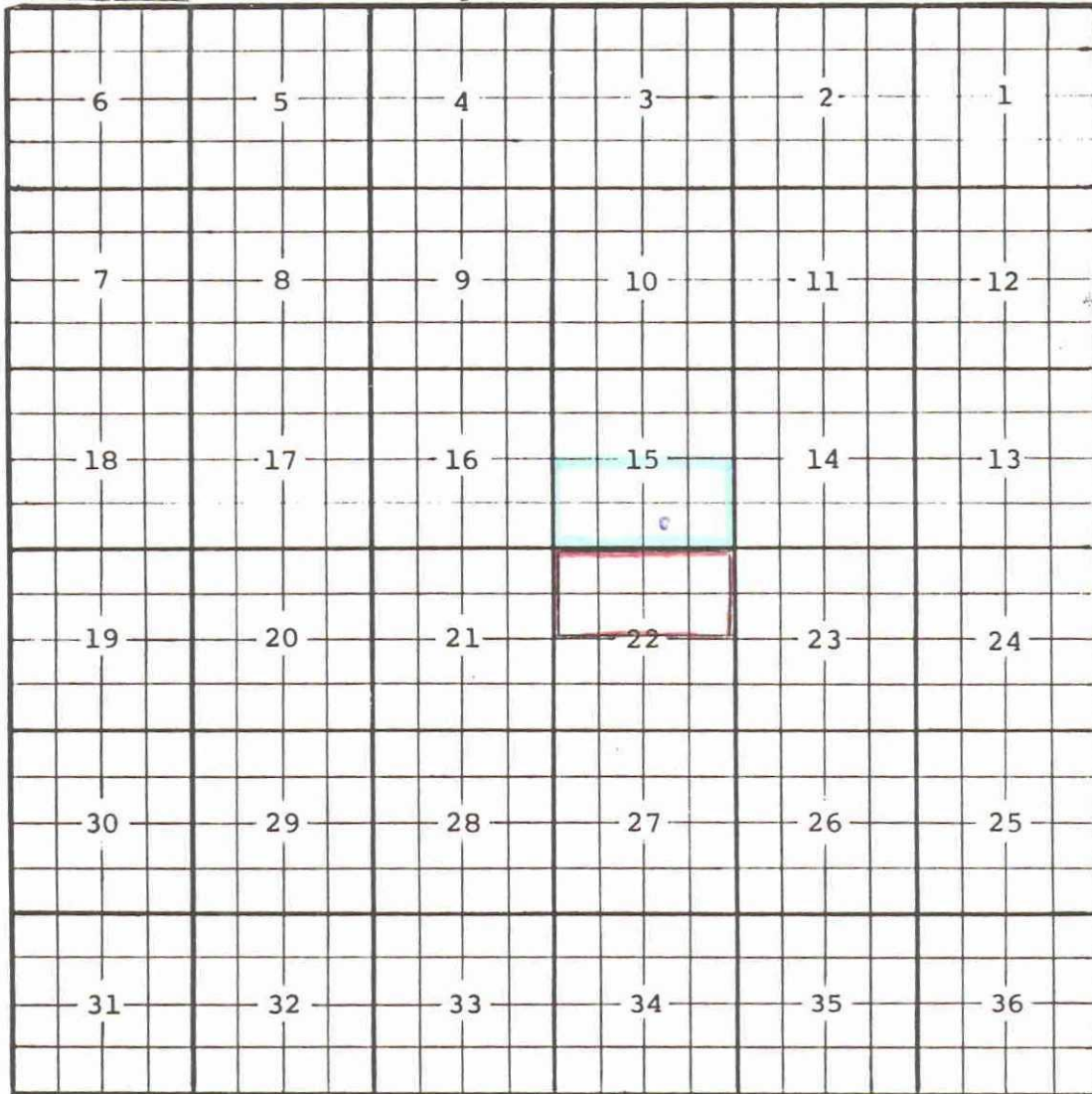
County Eddy

Pool Willow Lake - Atoka Gas

TOWNSHIP 24 South

Range 28 East

NMPM



Description: $\frac{N}{2}$ Sec 22 (R-5226, 7-1-76)

(EAVES UNIT - Cont'd.)

(2) That the applicant, Phillips Petroleum Company, seeks approval of the Eaves Unit Agreement covering 3496.11 acres, more or less, of State land as described as follows:

LEA COUNTY, NEW MEXICO
TOWNSHIP 21 SOUTH, RANGE 33 EAST, NMPM
Section 8: All
Section 17: All
Section 18: S/2
Sections 19 and 20: All
Section 29: All

(3) That approval of the proposed unit agreement should promote the prevention of waste and the protection of correlative rights within the unit area.

IT IS THEREFORE ORDERED:

(1) That the Eaves Unit Agreement is hereby approved.

(2) That the plan contained in said unit agreement for the development and operation of the unit area is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Commission to supervise and control operations for the exploration and development of any lands committed to the unit and production of oil or gas therefrom.

(3) That the unit operator shall file with the Commission an executed original or executed counterpart of the unit agreement within 30 days after the effective date thereof; that in the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

(4) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico; that this order shall terminate ipso facto upon the termination of said unit agreement; and that the last unit operator shall notify the Commission immediately in writing of such termination.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

WILLOW LAKE UNIT
Eddy County, New Mexico

Order No. R-4954, Approving the Willow Lake Unit Agreement, Eddy County, New Mexico, January 28, 1975.

Application of Burmah Oil and Gas Company for Approval of the Willow Lake Unit Agreement, Eddy County, New Mexico.

CASE NO. 5401
Order No. R-4954

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on January 22, 1975, at Santa Fe, New Mexico, before Examiner Daniel S. Nuttner.

NOW, on this 28th day of January, 1975, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Burmah Oil and Gas Company, seeks approval of the Willow Lake Unit Agreement covering 4800 acres, more or less, of State, Federal and Fee lands described as follows:

EDDY COUNTY, NEW MEXICO
TOWNSHIP 24 SOUTH, RANGE 28 EAST, NMPM
Section 14: S/2
Section 15: S/2
Section 16: S/2
Sections 21 through 23: All
Sections 26 through 28: All

(3) That approval of the proposed unit agreement should promote the prevention of waste and the protection of correlative rights within the unit area.

IT IS THEREFORE ORDERED:

(1) That the Willow Lake Unit Agreement is hereby approved.

(2) That the plan contained in said unit agreement for the development and operation of the unit area is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained

(WILLOW LAKE UNIT - Cont'd.)

in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Commission to supervise and control operations for the exploration and development of any lands committed to the unit and production of oil or gas therefrom.

(3) That the unit operator shall file with the Commission an executed original or executed counterpart of the unit agreement within 30 days after the effective date thereof; that in the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

(4) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico and the Director of the United States Geological Survey; that this order shall terminate ipso facto upon the termination of said unit agreement; and that the last unit operator shall notify the Commission immediately in writing of such termination.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

COAL CREEK UNIT
San Juan County, New Mexico

Order No. R-4966, Approving the Coal Creek Unit Agreement,
San Juan County, New Mexico, February 25, 1975.

Application of Tesoro Petroleum Corporation
for Approval of the Coal Creek Unit Agreement,
San Juan County, New Mexico.

CASE NO. 5416
Order No. R-4966

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on February 19, 1975, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 25th day of February, 1975, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Tesoro Petroleum Corporation, seeks approval of the Coal Creek Unit Agreement covering 11,225.11 acres, more or less, of State and Federal lands described as follows:

SAN JUAN COUNTY, NEW MEXICO
TOWNSHIP 23 NORTH, RANGE 12 WEST, NMPM
Section 18: S/2
Sections 19 and 20: All
Sections 28 through 33: All

TOWNSHIP 23 NORTH, RANGE 13 WEST, NMPM
Section 13: S/2
Section 14: S/2
Sections 23 through 27: All
Sections 34 through 36: All

(3) That approval of the proposed unit agreement should promote the prevention of waste and the protection of correlative rights within the unit area.

IT IS THEREFORE ORDERED:

(1) That the Coal Creek Unit Agreement is hereby approved.

(2) That the plan contained in said unit agreement for the development and operation of the unit area is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Commission to supervise and control operations for the exploration and development of any lands committed to the unit and production of oil or gas therefrom.

(3) That the unit operator shall file with the Commission an executed original or executed counterpart of the unit agreement within 30 days after the effective date thereof; that in the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

(4) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico and the Director of the United States Geological Survey; that this order shall terminate ipso facto upon the termination of said unit agreement; and that the last unit operator shall notify the Commission immediately in writing of such termination.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

WILLOW LAKE UNIT AREA

14-08-0001-14260

APPROVED: March 27, 1975

EFFECTIVE: March 27, 1975

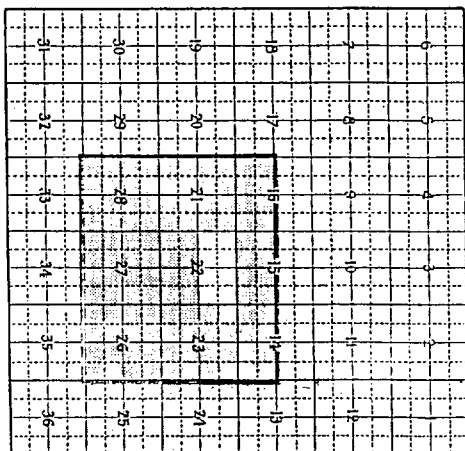
EXPLORATORY

Eddy County, New Mexico



gulram, inc.

petroleum engineering and government regulation consultants



R 28 E

T 24 S

Original Unit Land

Federal	1,680.00 acres
State	1,160.00 acres
Fee	1,960.00 acres
Total	4,800.00 acres

Lands Automatically Eliminated, January 13, 1981

87-1

Remaining Unit Land	
Federal	160.00 acres
State	160.00 acres
Total	320.00 acres

Unit Name: Willow Lake
Contract Number: 14-08-0001-14260
Automatic Elimination Date: January 13, 1981
Operator: Aminoil U.S.A., Inc.

PARTICIPATING AREAS (PA)

Name: Initial Atoka
Well Name: Willow Lake Unit No. 1
Location: NE1/4 Sec. 22, T. 24 S., R. 28 E.
Legal PA Description: N1/4 Sec. 22, T. 24 S., R. 28 E.
Effective Date: January 13, 1976
PA Total Acres: 320.00

Name: Initial Morrow
Well Name: Willow Lake Unit No. 3
Location: NE1/4 Sec. 15, T. 24 S., R. 28 E.
Legal PA Description: S1/4 Sec. 15, T. 24 S., R. 28 E.
Effective Date: April 11, 1978
PA Total Acres: 320.00

MORROW PARTICIPATING AREA TERMINATED PRIOR TO
AUTOMATIC ELIMINATION



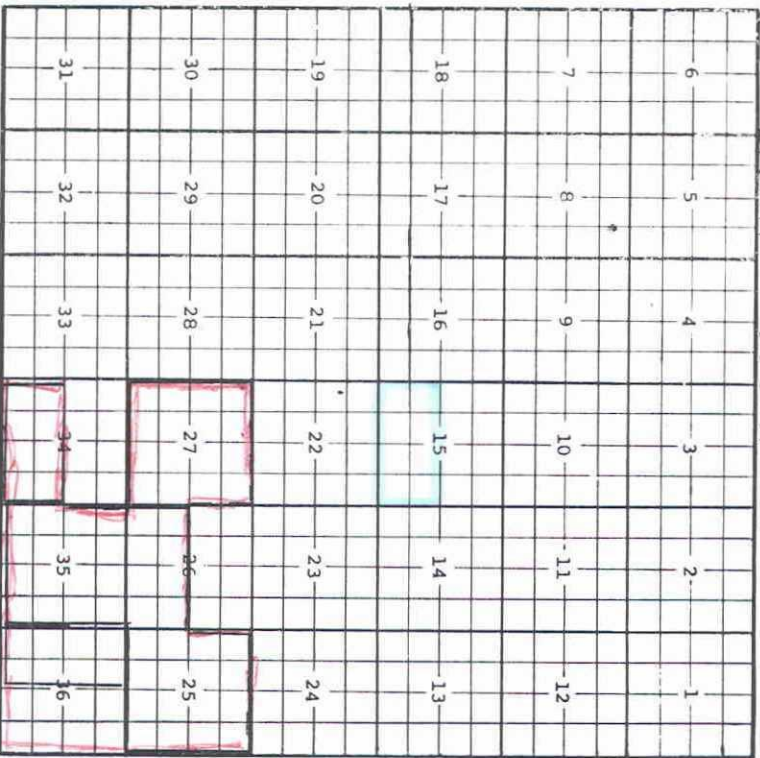
gulram, inc.

petroleum engineering and government regulation consultants

COUNTY Eddy

POOL Salt Draw-Atoka Gas

TOWNSHIP 24 South RANGE 28 East NMPM



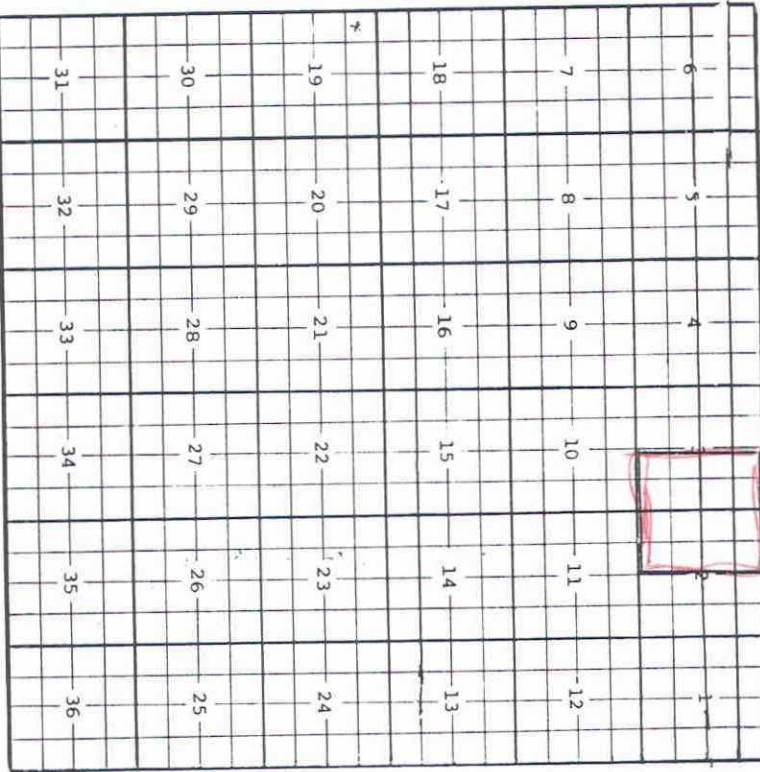
Description: 1/2 Sec. 34 (A-7722, 8-1-83)

Ext: All Secs. 1/2 Sec. 26, All Sec. 35 (A-7785, 1-12-85)

Ext: All Sec. 27 (A-8317, 10-9-86) Ext: 1/2 Sec. 36 (A-8347, 9/14/88)

COUNTY Eddy POOL Salt Draw-Atoka Gas

TOWNSHIP 25 South Range 28 East NMPM



Ext: 1/2 Sec. 2, 1/2 Sec. 3 (A-8065, 10-31-85)

