

11/22/00	12/12/00	MS	KW	NSL
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

34831854

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] ☒ Location - Spacing Unit - Directional Drilling
☒ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] or [C]

[B] ☐ Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] ☐ Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☒ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

JAMES BRUCE
P.O. BOX 1056
SANTA FE, NM 87504

Note: Statement must be completed by an individual with supervisory capacity.

Print or Type Name

Signature

Title

Date

James Bruce *Attorney for Applicant* 11/21/00

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

3304 CAMINO LISA
HYDE PARK ESTATES
SANTA FE, NEW MEXICO 87501

(505) 982-2043
(505) 982-2151 (FAX)

November 21, 2000

NOV 22 2000

Hand Delivered

Michael E. Stogner
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Dear Mr. Stogner:

Pursuant to Division Rule 104.F.(2), Pogo Producing Company ("Pogo") applies for administrative approval of an unorthodox oil well location for the following well:

Red Tank "33" Well No. 1
330 feet FNL & 10 feet FEL
NE $\frac{1}{4}$ NE $\frac{1}{4}$ (Unit A) S33, Township 22 South, Range 32 East, NMPM
Lea County, New Mexico

Attached as Exhibit A is the APD for the well. The well will be drilled to a depth sufficient to test the Bone Spring formation, but the primary zone of interest is the Brushy Canyon member of the Delaware Mountain Group. Therefore, Pogo requests unorthodox location approval for both zones (Undesignated West Red Tank-Delaware Pool and Undesignated Red Tank-Bone Spring Pool). The pools are governed by statewide rules, with 40 acre spacing and wells to be located no closer than 330 feet to a quarter-quarter section line.

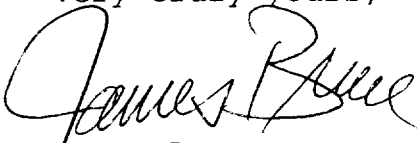
The proposed location is based upon geologic reasons. Attached as Exhibit B is a map of the structural geology of the Basal Brushy Canyon BC-4 reservoir. The proposed location is based on well control, and is interpreted to be at the highest structural position in the well unit. Thus, moving the well to the east of an orthodox location increases the chance of encountering potential Brushy Canyon pay, and reduces the risk involved in drilling the well.

Submitted as Exhibit C is a land plat of the subject area, with the location of the proposed well marked thereon. All of Section 33

(except the NW $\frac{1}{4}$ NW $\frac{1}{4}$) and all of offsetting Section 34 (except the SW $\frac{1}{4}$ SW $\frac{1}{4}$ and SE $\frac{1}{4}$ SE $\frac{1}{4}$) is covered by Federal Lease NM 77060. Pogo owns 100% of the working interest in the lease, except that ExxonMobil Corporation has the election, on a well-by-well basis, to either (i) participate with a 25% working interest, or (ii) retain its currently reserved 7.5% overriding royalty.¹ The well has been proposed to ExxonMobil Corporation, and Pogo is awaiting its election. In addition, Pogo is 100% working interest owner of the W $\frac{1}{2}$ of Section 27 and E $\frac{1}{2}$ of Section 28.

Based on the above, Pogo request that the 20 day waiting period be waived. However, by copy of this application, I am notifying ExxonMobil Corporation of this request.

Very truly yours,



James Bruce

Attorney for Pogo
Producing Company

NOV 22 2000

cc: Paul Keffer
ExxonMobil Corporation
P.O. Box 4697
Houston, Texas 77210

Terry Gant
Pogo Producing Company
P.O. Box 10340
Midland, Texas 79702

¹ExxonMobil Corporation has retained its 7.5% overriding royalty in the Red Tank "34" Fed. Well Nos. 13 and 15, located in the W $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 34.

Form 3160-3
(July 1992)SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A. TYPE OF WORK

DRILL ☒DEEPEN ☐

B. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

POGO PRODUCING COMPANY (RICHARD WRIGHT) 915-685-8140

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 915-685-8100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

330' FNL & 10' FEL SEC. 33 T22S-R32E LEA CO. NM

At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 30 miles EAST of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drg. unit line, if any)

10

16. NO. OF ACRES IN LEASE

1160

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. >

NA

19. PROPOSED DEPTH

9000'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3614' GR.

22. APPROX. DATE WORK WILL START*

WHEN APPROVED

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	20" Conductor	NA	40'	Cement to surface with Redi-mix
14 3/4"	H-40 10 3/4"	32.75	800'	840 Sx. circulate cement to SUR.
9 7/8"	J-55 7 5/8"	24.60	4500'	1000' Sx. " " " "
6 3/4"	J-55, N-80 4 1/2"	11.6	9000'	1000 Sx. (DV tool @ 6400' ± TOC 3000'

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 14 3/4" hole to 800'. Run and set 800' of 10 3/4" H-40 32.75# ST&C casing. Cement with 840 Sx. of Class "C" cement + additives, circulate cement to surface.
3. Drill 9 7/8" hole to 4500'. Run and set 4500' of 7 5/8" J-55 24.6# ST&C casing. Cement with 1000 Sx. of Class "C" cement + additives, circulate cement to surface.
4. Drill 6 3/4" hole to 9000'. Run and set 9000' of 4 1/2" casing as follows: 1500' of 4 1/2" N-80 11.6# ST&C, 5500' of 4 1/2" J-55 11.6# ST&C, 2000' of 4 1/2" N-80 11.6# LT&C. Cement in two stages with DV tool at 6400' ± Cement with 1000 Sx. of Class "H" cement + additives, estimate top of cement 3000' from surface.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED John T. Gammie TITLE Agent DATE 11/14/00

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify:

did entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL IF ANY:

EXHIBIT A

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make or cause the making of any

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1984

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT II

P.O. Drawer 10, Arisaca, NM 88211-0719

DISTRICT III

1000 Rio Grande Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

DISTRICT IV

P.O. Box 2008, Santa Fe, NM 87504-2008

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	51683	RED TANK BONE SPRING
Property Code	Property Name	Well Number
17271	RED TANK "33" FEDERAL	1
OGED No.	Operator Name	Elevation
17891	POGO PRODUCING COMPANY	3614

Surface Location

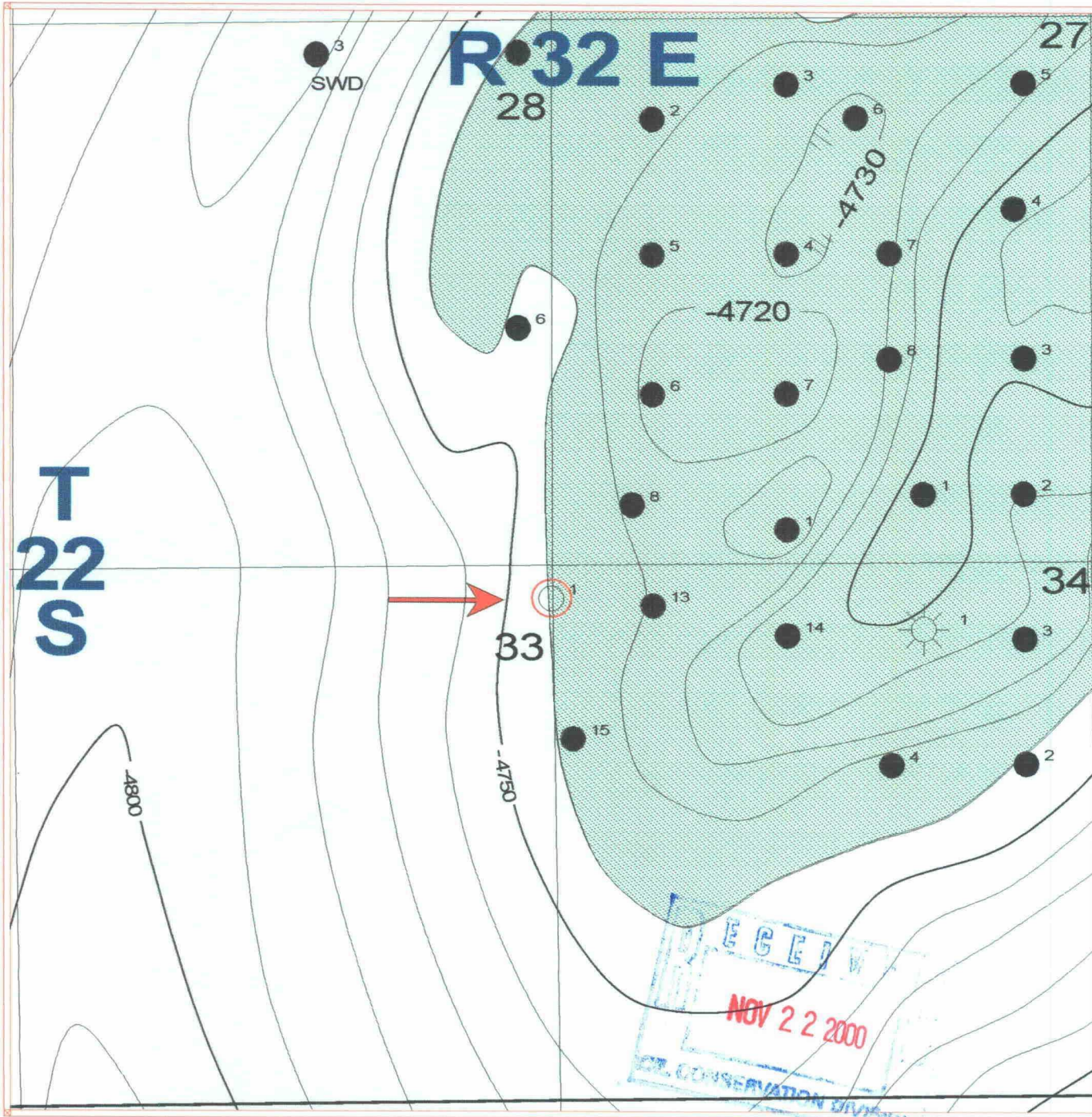
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	33	22 S	32 E		330	NORTH	10	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
40									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Joe T. Janica Printed Name Agent Title 11/14/00 Date
	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 belief. NOVEMBER 2, 2000 Date Surveyed Signature & Seal of Professional Surveyor RONALD J. EDISON NEW MEXICO W.O. No. 00-1141364 Certificate No. RONALD J. EDISON, 3239 RENEWED PROFESSIONAL SURVEYOR, EDISON, 12641



Known Commercial Oil Production
(-4740 Lowest)



Unorthodox Location
330' FNL & 10' FEL
Sec. 33, T 22 S, R 32 E

EXHIBIT "B"



POGO PRODUCING COMPANY

S.E. RED TANK PROSPECT
Lea County, New Mexico
Brushy Canyon 4 Structure Map

Geol. G. Dillman	CI: 10'	10/27/2000
Tech: T. Rodriguez	Scale 1:10000	bc_dg.pdf

**T
22
S**

R 32 E

USA NM-69377

USA NM-69376

USA NM-77060

USA NM-77060



33

34

EXHIBIT "C"



Pogo Operated Leasehold



Unorthodox Location
330' FNL & 10' FEL
Sec. 33, T 22 S, R 32 E



POGO PRODUCING COMPANY

S.E. RED TANK PROSPECT
Lea County, New Mexico

LNDMM: T. GANT

10/27/2000

Tech: T. Rodriguez

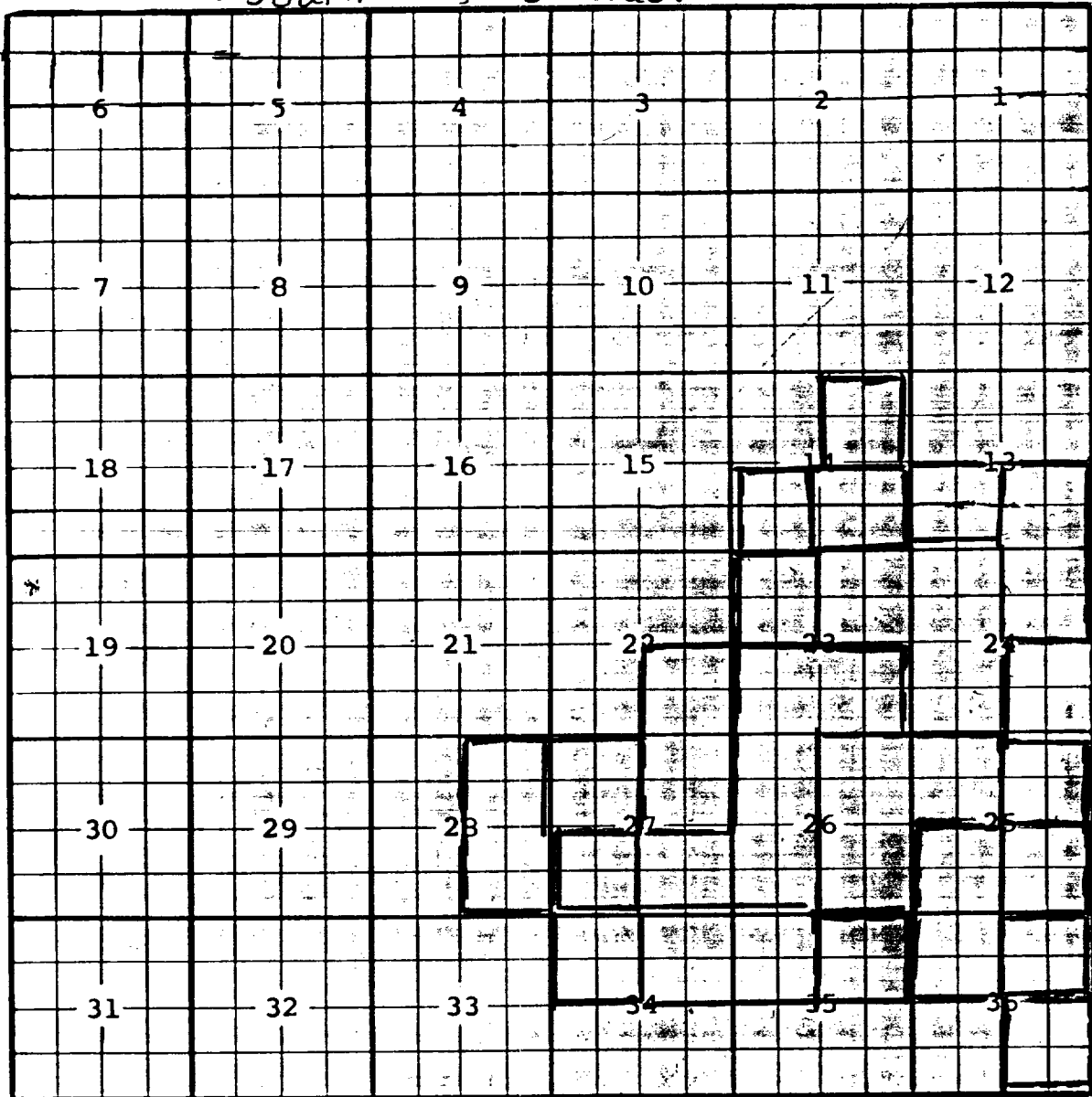
Scale: 1:17352.88

bc_eland.gpt



County Lea Pool West Red Tank-Dekware

TOWNSHIP 22 South Range 32 East NMPM



Description: SW/4 Sec. 27 (R-9792, 12-3-92)

Ext: SW/2 Sec. 23, W/2 Sec. 26, SE/4 Sec. 27, E/2 Sec. 28 (R-9932, 8-17-93)

Ext: NW/4 Sec. 23 (R-10091, 3-28-94)

Ext: SW/4 Sec. 14, SE/4 Sec. 22, NE/4 Sec. 27, NE/4 Sec. 34, NW/4 Sec. 35 (R-10172, 8-30-94)

Ext: SE/4 Sec. 14, NW/4 Sec. 34 (R-10303, 1-23-95) Ext: NE/4 Sec. 14 (R-10342, 4-24-95)

Ext: NE/4 Sec. 35 (R-10419, 7-17-95) Ext: SW/4 Sec. 25, NW/4 Sec. 36 (R-10495, 10-24-95)

Ext: NW/4 Sec. 25, E/2 Sec. 26 (R-10641, 8-19-96)

Ext: SW/4 Sec. 13, NW/4 Sec. 27, NE/4 Sec. 36 (R-10776, 2-28-97)

Ext: SE/4 Sec. 36 (R-10795, 4-28-97) Ext: SE/4 Sec. 13, NE/4 Sec. 24 (R-10910, 10-31-97)

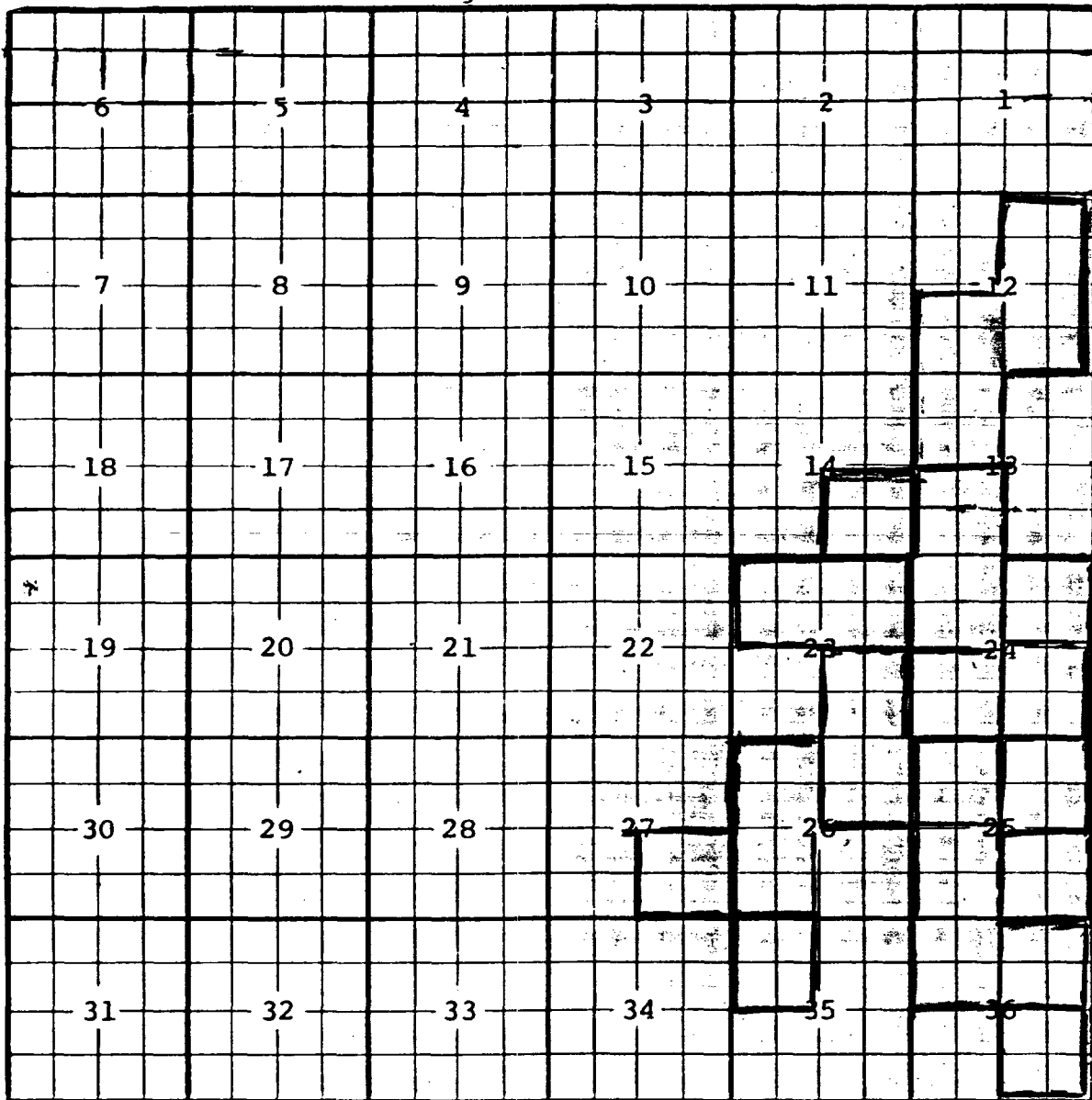
Ext: SE/4 Sec. 25 (R-10972, 4-13-98)

Ext: NE/4 Sec. 23, W/2 Sec. 24, NE/4 Sec. 25 (R-11116, 1-7-99)

ILLEGIBLE

County **LEA**Pool **RED TANK - BONE SPRING**TOWNSHIP **22 SOUTH**Range **32 EAST**

NMPM



DESC: NW/4 SEC. 25 (R-9447, 3-1-91) EXT: SE/4 SEC. 23, NE/4 SEC. 26 (R-9843, 2-8-93)

EXT: SW/4 SEC. 25, W/2 SEC. 26, NW/4 SEC. 36 (R-9937, 8-12-93)

EXT: SE/4 SEC. 27, NW/4 SEC. 35 (R-10091, 3-28-94)

EXT: N/2 SEC. 23 (R-10177, 8-30-94) EXT: SW/4 SEC. 24 (R-10342, 4-24-95)

EXT: NE/4 SEC. 36 (R-10419, 7-17-95) EXT: SW/4 SEC. 13, NW/4 SEC. 24, SE/4 SEC. 25 (R-10488, 10-13-95)

EXT: SE/4 SEC. 36 (R-10556, 3-11-96) EXT: NE/4 SEC. 25 (R-10641, 8-19-96)

EXT: NE/4 SEC. 24 (R-10972, 4-13-98) EXT: SE/4 SEC. 14, SE/4 SEC. 24 (R-11116, 1-2-99)

EXT: E/2 and SW/4 SEC. 12, NW/4 SEC. 13 (R-11243, 4-15-99)

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/27/00 07:43:37
OGOMES -TPLF
PAGE NO: 1

Sec : 33 Twp : 22S Rng : 32E Section Type : NORMAL

D 40.00	C 40.00	B 40.00	A 40.00
Federal owned	Federal owned	Federal owned	Federal owned
		C	C C
E 40.00	F 40.00	G 40.00	H 40.00
Federal owned	Federal owned	Federal owned	Federal owned
		C	A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/27/00 07:43:45
OGOMES -TPLH
PAGE NO: 2

Sec : 33 Twp : 22S Rng : 32E Section Type : NORMAL

L 40.00	K 40.00	J 40.00	I 40.00
Federal owned	Federal owned	Federal owned	Federal owned
		C	
M 40.00	N 40.00	O 40.00	P 40.00
Federal owned	Federal owned	Federal owned	Federal owned

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD : ONGARD 11/27/00 07:44:21
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TPLH

OGRID Idn : 17891 API Well No: 30 25 33025 APD Status(A/C/P): C
Opr Name, Addr: POGO PRODUCING CO Aprvl/Cncl Date : 07-21-1998
PO BOX 10340
MIDLAND, TX 79702-7340

Prop Idn: 17271 RED TANK 33 FEDERAL Well No: 1

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----		-----	-----
Surface Locn : A	33	22S		32E			FTG 330 F N	FTG 330 F E
OCD U/L : A		API	County :	25				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): O Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 3615

State Lease No: Multiple Comp (S/M/C) : S
Prpsd Depth : Prpsd Frmtn : API CANCELLED

E6927: Well is cancelled

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD : ONGARD 11/27/00 07:44:54
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TPLH

OGRID Idn : 17891 API Well No: 30 25 34460 APD Status(A/C/P): C
Opr Name, Addr: POGO PRODUCING CO Aprvl/Cncl Date : 10-07-1999
PO BOX 10340
MIDLAND, TX 79702-7340

Prop Idn: 17271 RED TANK 33 FEDERAL Well No: 1

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----		-----	-----
Surface Locn :	A	33	22S	32E			FTG 330 F N	FTG 330 F E
OCD U/L :	A		API County :	25				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): O Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 3615

State Lease No: Multiple Comp (S/M/C) : S
Prpsd Depth : Prpsd Frmtn : BONE SPRING/CANCEL API#

E6927: Well is cancelled

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION11/27/00 07:45:37
OGOMES -TPLH
PAGE NO: 1

Sec : 34 Twp : 22S Rng : 32E Section Type : NORMAL

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Federal owned	Federal owned	Federal owned	Federal owned
A	A	A	A
E 40.00	F 40.00	G 40.00	H 40.00
Federal owned	Federal owned	Federal owned	Federal owned
A	A	A	A

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION11/27/00 07:45:42
OGOMES -TPLF
PAGE NO: 2

Sec : 34 Twp : 22S Rng : 32E Section Type : NORMAL

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

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12