

10/30/00 11/20/00 MS NW NSL

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

30539515

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

OCT 30 2000

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 1058
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 10/27/00

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)

October 27, 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 gas well location for the following well:

WBR Fed. Com. Well No. 5
660 feet FSL & 2310 feet FWL
S½ §13, Township 22 South, Range 32 East, NMPM
Lea County, New Mexico

The well will be drilled to test the Morrow formation (Undesignated Bootleg Ridge-Morrow Gas Pool), which is developed on statewide rules. A C-101 and C-102 for the well are attached as Exhibit A.

Attached as Exhibit B is a land plat of the area. The S½ of Section 13 is comprised of two federal leases, one covering the SW¼SE¼ of Section 13 (owned by Yates entities), and one covering the remaining acreage in the well unit (owned by Pogo and its partners). The well only moves toward an interior boundary of the section, and thus no offset interest owners were notified of this application. (The offset operator to the south is EOG Resources, Inc. ("EOG").)

The proposed location is based upon geological reasons. Attached as Exhibit C is an isopach of the Middle Morrow formation, which is the primary zone of interest. The location is requested for the following reasons:

1. Moving the well east of an orthodox location will increase the amount of sand encountered in the Middle Morrow. Thus, the proposed location increases the chance

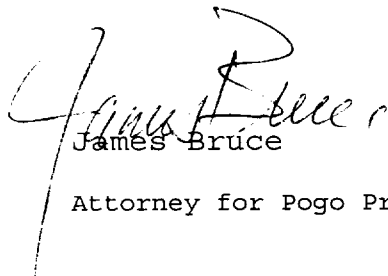
of encountering commercial quantities of hydrocarbons in the Morrow.

2. The location should encounter a similar sand thickness to wells in the E½ of Section 23 (which have been proposed and/or staked by EOG). Thus, Pogo's location will remain in the trend which operators have drilled, or are planning to drill.
3. As you can see, there is a similar thickness of sand in the Morrow at a possible orthodox location in the SE¼ of Section 13. However, EOG has just completed a well, reported to be flowing at 8 MMCFGPD, immediately to the south at a location 660 feet FNL and 2150 feet FWL of Section 24. Due to the nature of the Morrow, Pogo desires to remain as close to the EOG discovery as possible, without encroaching on that well, while at the same time gaining thickness in the Morrow. Thus, drilling in the SE¼ of Section 13 increases the risk in drilling the well, which is why the well has not been located in the SE¼.

As you can see on Exhibit B, there is also shallow oil potential in the are. The location is orthodox as to shallow oil zones.

Please call me if you need anything further regarding this matter.

Very truly yours,


James Bruce

Attorney for Pogo Producing Company

Form 3160-3
(July 1992)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSUBMIT IN DUPLICATE

(Other instructions on

RECEIVED

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

OCT 11 2000

MIDLAND

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 915-685-81400)

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 10340 MIDLAND, TEXAS 79702 (915-685-8140)

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

At surface

660' FSL & 2310' FWL SEC. 13 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 drilg. salt line, if any)

660'

16. NO. OF ACRES IN LEASE

600

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIES FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

15,400'

20. ROTARY OR CABLE TOOLS

ROTARY

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

3699' GR.

22. APPROX. DATE WORK WILL START

WHEN APPROVED

23.

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
17 1/2"	H-40 13 3/8"	48	750'	650 Sx. circulate to surface
12 1/2"	N-80 9 5/8"	40.5	4700'	1800 Sx. " " "
8 1/2"	N-80 & P-110 7"	29	12,200'	1200 Sx. Estimate top cem. 3000'
6 1/8"	S-95 5" Liner	18	15,400'-12,000'	400 Sx. Top cement 12000'

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17 1/2" hole to 750'. Run and set 750' of 13 3/8" H-40 48# ST&C casing. Cement with 650 Sx. of Class "C" cement + additives, circulate cement to surface.
3. Drill 12 1/2" hole to 4700'. Run and set 4700' of 9 5/8" N-80 40.5# ST&C casing. Cement with 1800 Sx. of Class "C" cement + 1/2# Flocele + 2% CaCl, circulate cement to surface.
4. Drill 8 1/2" hole to 12,200'. Run and set 12,200' of 7" 29# LT&C casing as follows: 3000' of P-110, 5200' of N-80, 4000' of P-110. Cement in two stages with stage tool at 7000'±. Cement with 1200 Sx. of Class "H" cement + additives. Estimate top of cement 4000' from surface.
5. Drill 6 1/8" hole to 15,400'. Run and set 5" 18# S-95 LT&C liner from 15,400' back to 12,000'. Cement with 400 Sx. of Class "H" Premium low water loss cement+ additives, top of cement 12000'.

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 preventer program, if any.

24.

SIGNED

(This space for Federal or State office use)

TITLE

Agent

DATE 10/10/00

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

EXHIBIT A

DISTRICT I

P.O. Box 1000, Hobbs, NM 88241-1000

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

DISTRICT II

P.O. Drawer 100, Artesia, NM 88211-0710

DISTRICT III

1000 Rio Brazos Rd., Arizon, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT IV

P.O. Box 2000, Santa Fe, NM 87504-2000

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 72650	Pool Name BOOTLEG RIDGE-MORROW
Property Code 9350	Property Name WBR FEDERAL	Well Number 5
OGED No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 3699

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	13	22 S	32 E		660	SOUTH	2310	WEST	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 320	Joint or Infill	Consolidation Code	Order No.
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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 10/10/00 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. OCTOBER 7, 2000 Date Surveyed Signature & Seal of Professional Surveyor W.O. Num. 80-11-1170 Certificate No. RONALD E. EDSON. 3334 GARY C. EDSON. 12041

ILLEGIBLE



LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/09/00 08:05:57
OGOMES -TPV
PAGE NO: 1

Sec : 13 Twp : 22S Rng : 32E Section Type : NORMAL

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

M0002: This is the first page

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

11/09/00 08:05:43
OGOMES -TPV
PAGE NO: 2

Sec : 13 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		C	
M 40.00	N 40.00	O 40.00	P 40.00
Federal owned	Federal owned	Federal owned	Federal owned
A			

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06

PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12