

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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]

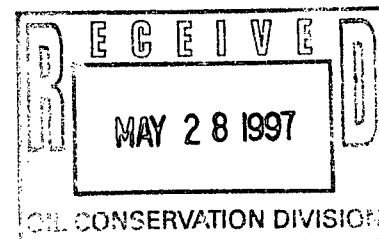
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[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

0090

[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

Print or Type Name

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

James Bruce
 Signature

Attorney for Applicant
 Title

5/28/97
 Date

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

SUITE B
612 OLD SANTA FE TRAIL
SANTA FE, NEW MEXICO 87501

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

May 28, 1997

Hand Delivered

Michael E. Stogner
New Mexico 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") hereby applies for administrative approval of an unorthodox oil well location for the following well:

Covington "A" Fed. Well No. 15
330 feet FNL & 1300 feet FEL
NE $\frac{1}{4}$ NE $\frac{1}{4}$ S25, Township 22 South, Range 32 East, NMPM
Lea County, New Mexico

Attached as Exhibit A are an APD (Form 3160-3) and a Form C-102 for the well, which have been filed with the Bureau of Land Management. The well will be drilled to a depth sufficient to test the Bone Spring formation (Red Tank-Bone Spring Pool). In addition, Pogo requests approval of an unorthodox location for the Delaware formation (West Red Tank-Delaware Pool). Well spacing is 40 acres for both formations.

The proposed location is based upon geological reasons. Attached as Exhibit B is a structure map on top of the Brushy Canyon BC4 Sand marker. The proposed location is based on well control, and is interpreted to be (i) a down-dip step-out from the Covington "A" Fed. Well No. 16, in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 25, and (ii) the structurally highest point in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ for this prospect. This location provides the best chance to successfully encounter potential Brushy Canyon pay. The further north and west the well is located in the spacing unit, the higher the chance it will be a commercially viable well. Thus, placing the well at its proposed location substantially 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 25 is subject to federal lease NM 2379. Pogo operates all of Section 25 from the surface to the base of the Morrow formation. In addition, working interest ownership is common throughout Section 25 as to said depths, as follows: Pogo (88.58332%), Burlington Resources Oil & Gas Company (10.49710%), and Yates Petroleum Corporation (0.91958%). Since working interest ownership is common in the proposed well unit and in offsetting acreage, notice is not required to be given to any offset. As a result, Pogo requests that the 20 day waiting period be waived.

This application is submitted in duplicate. Please call me if you need anything further on this matter.

Very truly yours,

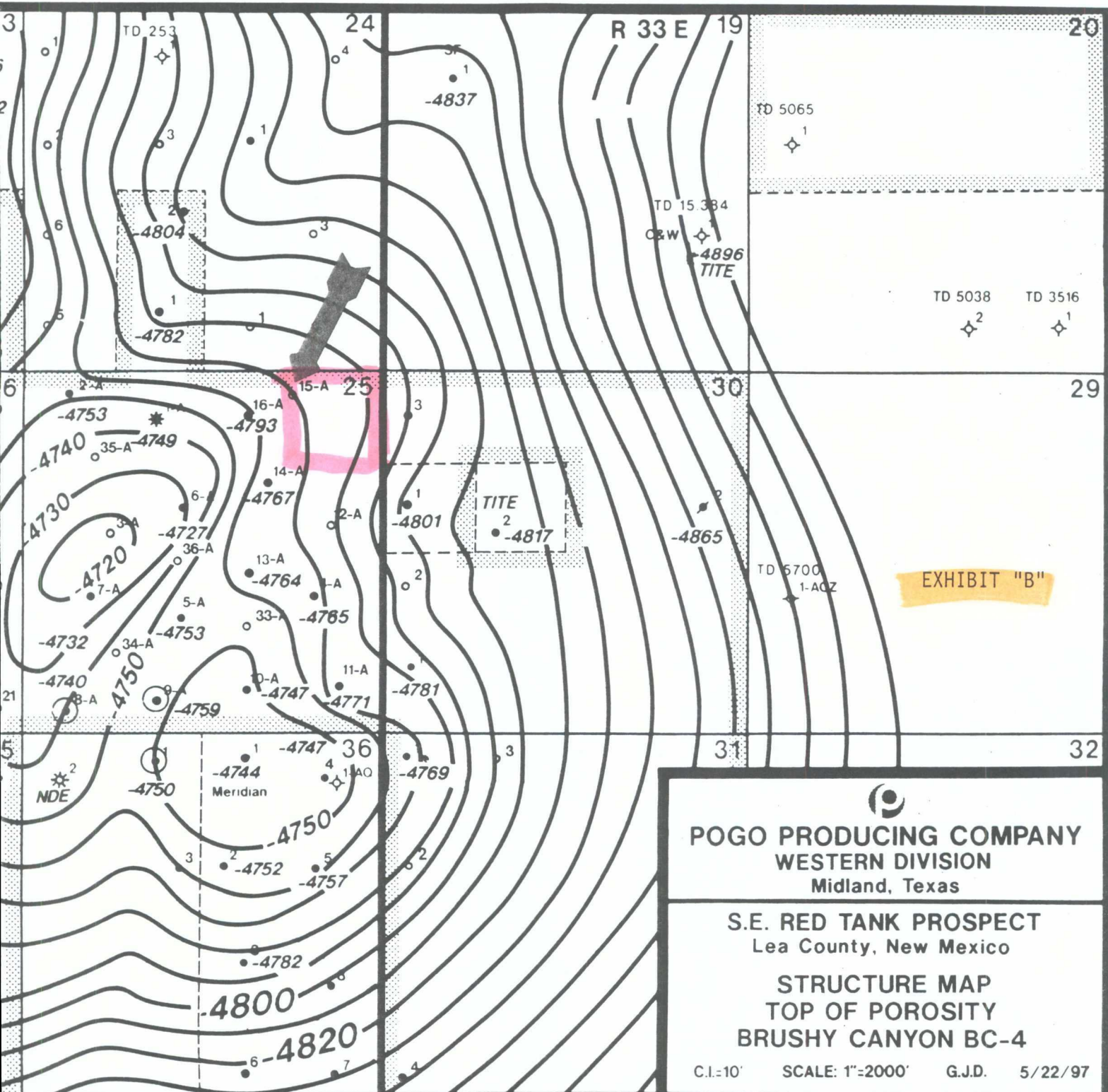
A handwritten signature in cursive script that reads "James Bruce". The signature is written in dark ink and is positioned above the printed name.

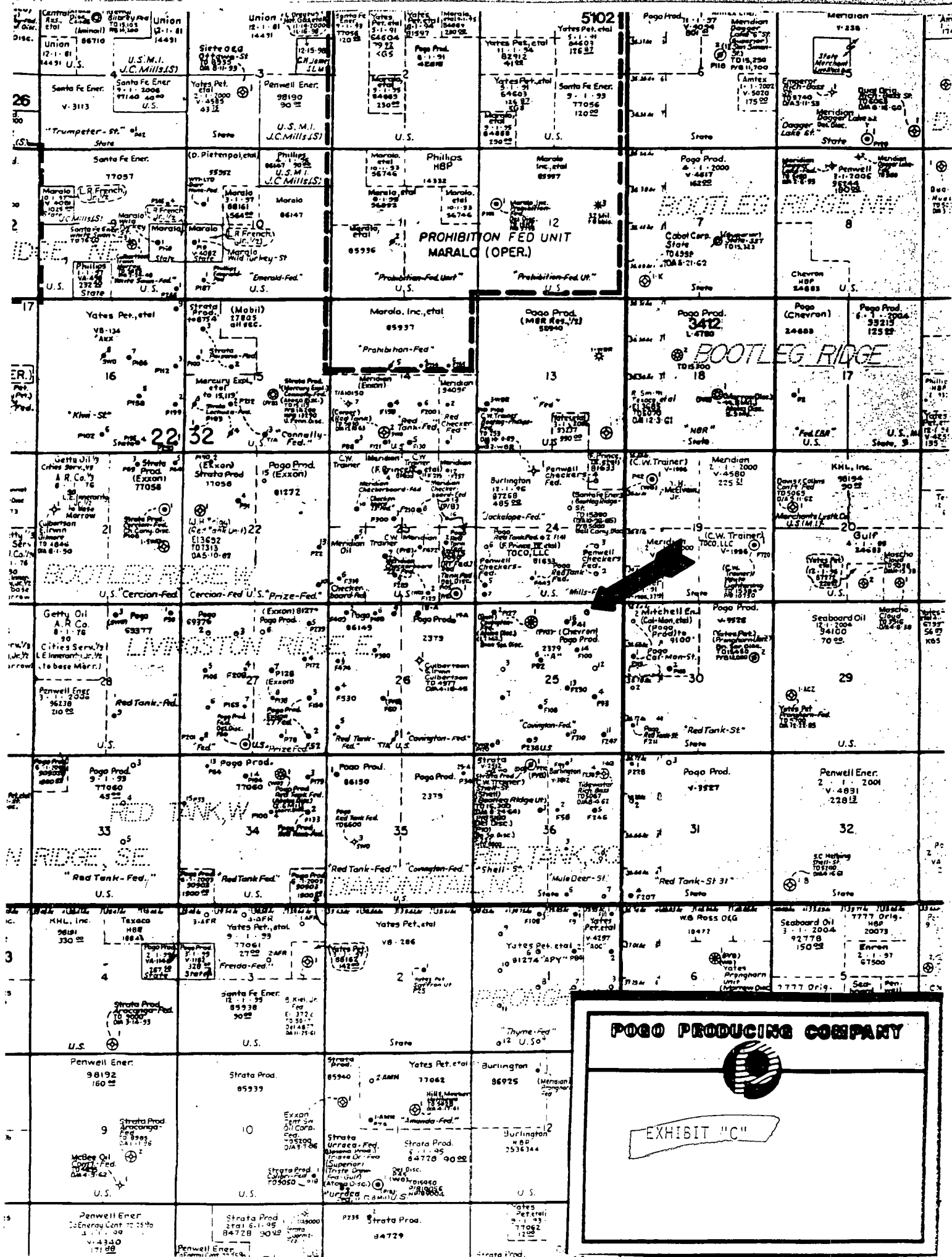
James Bruce

Attorney for Pogo
Producing Company

cc: T. Gant

pogoaag.uol





POGO PRODUCING COMPANY



EXHIBIT "C"

UNITED 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)

3. ADDRESS AND TELEPHONE NO.

P.O. 10340 MIDLAND, TEXAS 79702 Phone 915-682-6822

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

330' FNL & 1300' FEL SEC. 25 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, N.M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

1280

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.

600'

19. PROPOSED DEPTH

9200'

20. ROTARY OR CABLE TOOLS

ROTARY

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

3748' GR.

22. APPROX. DATE WORK WILL START*

As soon as 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 w/Redi-Mix
14-3/4"	H-40 10-3/8"	32.75	800'	600 sx Circulate to surface
9-7/8"	J-55 7-5/8"	26.4	4600'	1300 sx " " "
6-3/4"	J-55 N-80 4 1/2"	11.6	9200'	950 sx Est. Top cement 3600'

1. Drill 25" hole to 40'. Set 40' of 20" conductor and cement to surface w/Redi-mix.
2. Drill 14-3/4" hole to 800'. Run & set 800' of 10-3/4" H-40 32.75# ST&C casing. Cement with 600 sx. Class "C" Halco Light, tail in with 200 sx Class "C" + 2% CaCl. Circulate cement to surface.
3. Drill 9-7/8" hole to 4600'. Run & set 4600' of 7-5/8" J-55 & N-80 26.4# ST&C casing. Cement with 1100 sx class "C" Halco Light + 10% salt, tail in with 200 sx Class "C" premium cement + 1% CaCl. Circulate cement to surface.
4. Drill 6-3/4" hole to 9200'. Run & set 9200' of 4 1/2" J-55 & N-80 11.6# LT&C casing. Cement with 700 sx Class "H" Halco light, tail in with 250 sx of Class "H" premium cement + additives. Estimated top of cement 3600'.

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

TITLE

Agent

DATE

05/10/97

(This space for Federal or State office use)

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 land.

CONDITIONS OF APPROVAL IF ANY:

EXHIBIT

A

conduct operations thereon.

APPROVED BY

TITLE

DATE

*See Instructions On Reverse Side

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

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name	
		51683	RED TANK BONE SPRING	
Property Code	Property Name		Well Number	
009316	COVINGTON "A" FEDERAL		15	
OGRID No.	Operator Name		Elevation	
17891	POGO PRODUCING COMPANY		3748	

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	25	22 S	32 E		330	NORTH	1300	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

		<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p><u><i>Joe T. Janica</i></u> Signature</p> <p><u>Joe T. Janica</u> Printed Name</p> <p><u>Agent</u> Title</p> <p><u>05/10/97</u> Date</p>
		<p>SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p><u>APRIL 17, 1997</u> Date Surveyed</p> <p><u>DMCC</u> Signature & Seal of Professional Surveyor</p> <p> Certificate No. <u>JOHN W. WEST</u> <u>RONALD E. EIDSON</u> <u>NEW MEXICO</u></p> <p>676 3239 12641</p>

EXHIBIT "A"

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
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

POGO PRODUCING COMPANY (RICHARD WRIGHT)

3. Address and Telephone No.

P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 Ph. 915-682-6822

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

330' FNL & 990' FEL SEC. 25 T22S-R32E LEA CO. NEW MEXICO

Unit A

5. Lease Designation and Serial No.
NM-2379

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Covington "A" Federal #

9. API Well No.

30-025-33319

10. Field and Pool, or Exploratory Area

Red Tank - Bone Spring

11. County or Parish, State

Lea Co. New Mexico

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 & depth
☐ Other Change Location
☐ 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.)*

1. Request permission to change location from 760' FNL & 660' FEL to 330' FNL & 990' FEL Sec. 25 T22S-R32E Lea Co. New Mexico. (To enhance geological position)
2. Change depth from 10,200' to 9200'.
3. Casing:
14 3/4" hole 10 3/4" 32.75# H-40 800' cement 600 Sx. circulate to surface.
9 7/8" hole 7 5/8" 26.4# J-55 & N-80 4600' cement 1300 Sx. circulate to surface.
6 3/4" hole 4 1/2" 11.6# J-55 & N-80 9200' cement 950 Sx. top cement 3600'.
4. Construct powerlines and lay pipelines along existing roads or along other existing Right of Ways.

SEP 13 1 56 PM '96
RECEIVED

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

Signed

Title Agent

Date 09/11/96

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

DISTRICT I
P.O. Box 1900, Hobbs, NM 88241-1900

DISTRICT II
P.O. Drawer 810, Artesia, NM 88211-0710

DISTRICT III
1000 Rio Blanco Rd., Artesia, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 51683	Pool Name RED TANK _ BONE SPRING
Property Code 9316	Property Name COVINGTON "A" FEDERAL	Well Number 15
OGRID No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 3748'

Surface Location

UL or lot No. A	Section 25	Township 22 S	Range 32 E	Lot 1/4	Feet from the 330	North/South line NORTH	Feet from the 990	East/West line EAST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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

3748.5'

3751.1'

3751.3'

3741.7'

990'

OPERATOR CERTIFICATION

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

Joe T Janica

Signature

Joe T. Janica

Printed Name

Agent

Title

09/11/96

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.

SEPTEMBER 5, 1996

Date Surveyed

Signature & Seal of Professional Surveyor

RES

NEW MEXICO

3239

9-10-96

W.O. Num. 96-11-1129

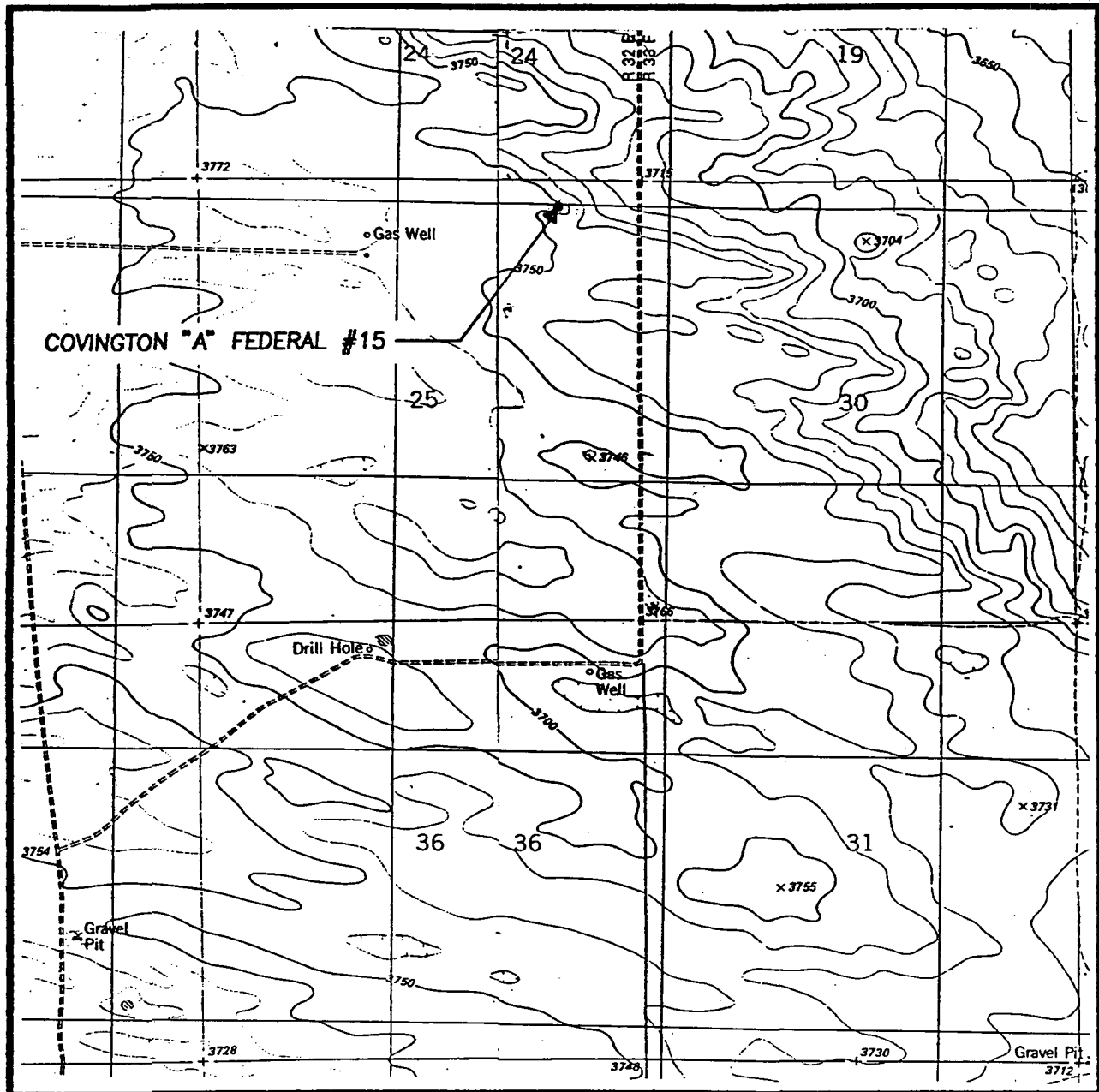
Certificate No. JOHN W. WEST 676
RONALD L. EIDSON 3239
CARL EIDSON 12641



**JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117**

**JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117**

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
BOOTLEG RIDGE - 10'
TIP TOP WELLS - 10'

SEC. 25 TWP. 22-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 330' FNL & 990' FEL

ELEVATION 3748'

OPERATOR POGO PRODUCING CO.

LEASE COVINGTON "A" FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

BOOTLEG RIDGE, N. MEX. & TIP TOP WELLS, N. MEX.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

N.M. OIL OPER. OGRID NO. 17891

P.O. BOX
HOUN

PROPERTY NO. 9316

PLIFICATE
tions on
(e)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995DEPARTMENT OF ENERGY
BUREAU OF OIL & GAS
DIVISION OF OIL & GAS
DATE 3/8/96

APPLICATION FOR PERMIT

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

3. ADDRESS AND TELEPHONE NO.

P.O. Box 10340 Midland, Texas 79702 (915-682-6822)

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

At surface

760' FNL & 660' FEL Sec. 25 T22S-R32E Lea Co. New Mexico

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.

660'

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

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

1320'

16. NO. OF ACRES IN LEASE

1280

19. PROPOSED DEPTH

10,200'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3748 GR.

22. APPROX. DATE WORK WILL START*

As soon as approved

23.

PROPOSED CASING AND CEMENTING PROGRAM


SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	J-55 13 3/8"	54.5#	800'	700 Sx. Circulate to surface
11"	J-55 N-80 8 5/8"	32#	4600'	1400 Sx. Circulate to surface
7 7/8"	J-55 N-8- 5 1/2"	17#	10,200	1100 Sx. Top cement 4400'

1. Drill 17 1/2" hole to 800'. Run and set 800' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 500 Sx. light cement, tail in with 200 Sx. Class "C" + 2% CaCl. Circulate cement to surface.
2. Drill 11" hole to 4600'. Run and set 4600' 8 5/8" as follows: 300' of 8 5/8" 32# N-80 ST&C, 4300' of 8 5/8" 32# J-55 ST&C. Cement with 1200 Sx. light cement with 10% Salt, tail in with 200 Sx. Premium cement + 1% CaCl. Circulate cement to surface.
3. Drill 7 7/8" hole to 10,200'. Run and set 10,200' 5 1/2" casing as follows; 3200' of N-80 17# LT&C, 6000' of J-55 17# LT&C, 1000' of N-80 17# LT&C casing. Cement with 700 Sx. light cement tail in with 400 Sx Premium cement. Bring cement back to at least 200' into the 8 5/8" casing.

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



TITLE

Division Operations Mgr.

DATE 10/11/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL REGULATIONS
ATTACHED

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 production thereon, CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

(ORIG. SGD.) RICHARD L. MANUS

TITLE

AREA MANAGER

DATE

FEB 28 1996

*See Instructions On Reverse Side

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 3D-025-33319	Pool Code 51683	Pool Name RED TANK BONE SPRING
Property Code 009316	Property Name COVINGTON A FEDERAL	Well Number 15
GRID No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 3748

Surface Location

UL or lot No. A	Section 25	Township 22 S	Range 32 E	Lot Idn	Feet from the 760	North/South line NORTH	Feet from the 660	East/West line EAST	County LEA
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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
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Dedicated Acres 40	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

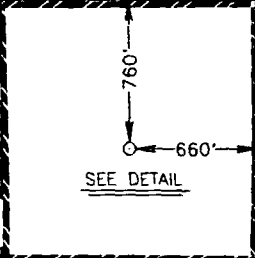
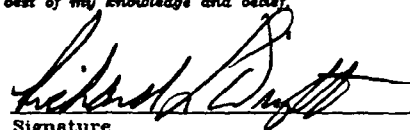
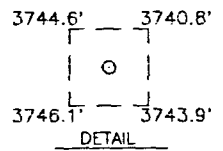
	OPERATOR CERTIFICATION	
	<p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p> Signature Richard L. Wright Printed Name Division Operations Mgr. Title 10/11/95 Date</p>	
	SURVEYOR CERTIFICATION	
	<p>I hereby certify that the well 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.</p> <p>SEPTEMBER 9, 1995 Date Surveyed Signature of G. EIDSON Professional Surveyor NEW MEXICO 9-28-95 Num. 85-11-156 Certified by JOHN N. EIDSON 676 3239 12641</p>	

EXHIBIT "A"

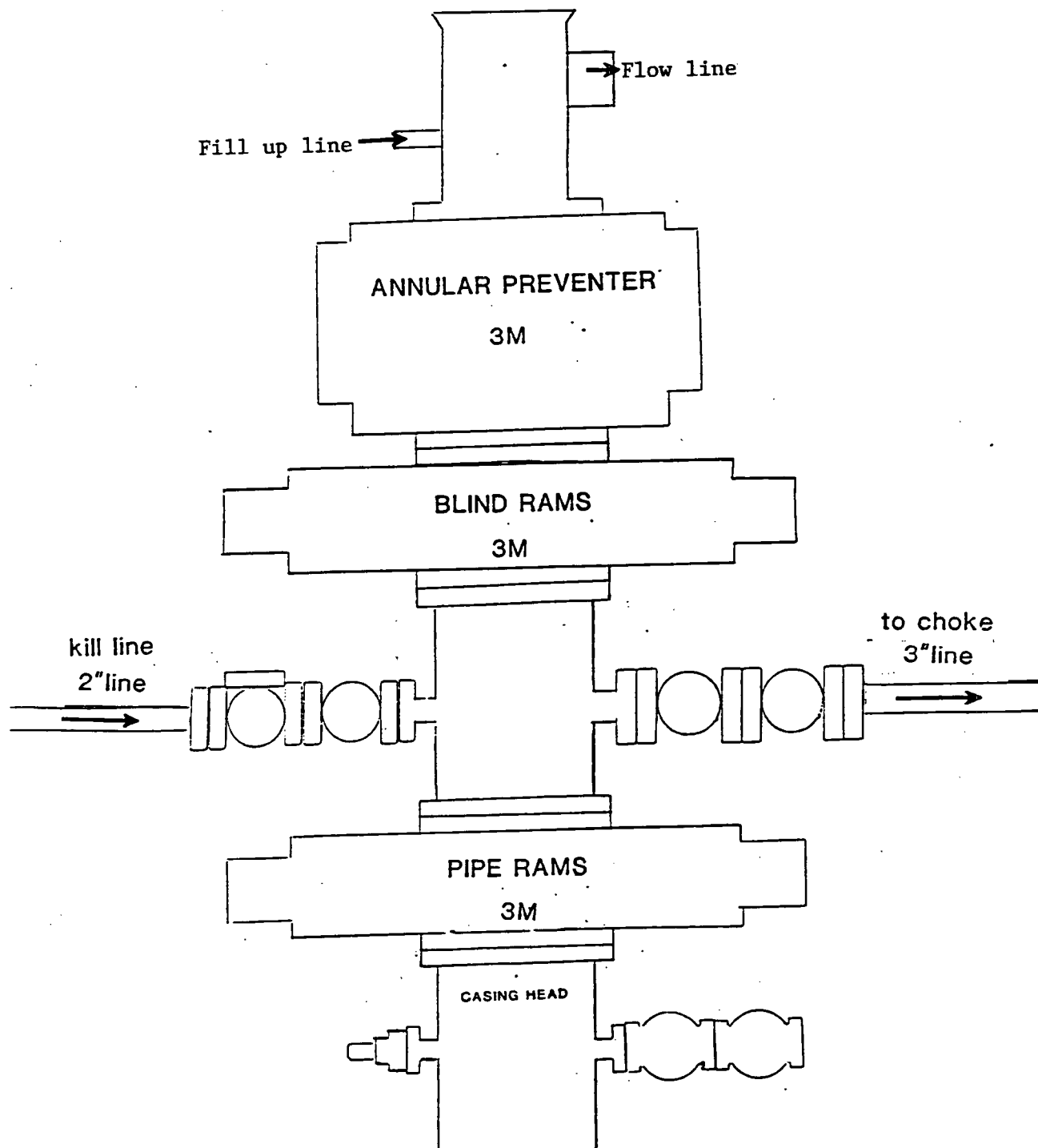
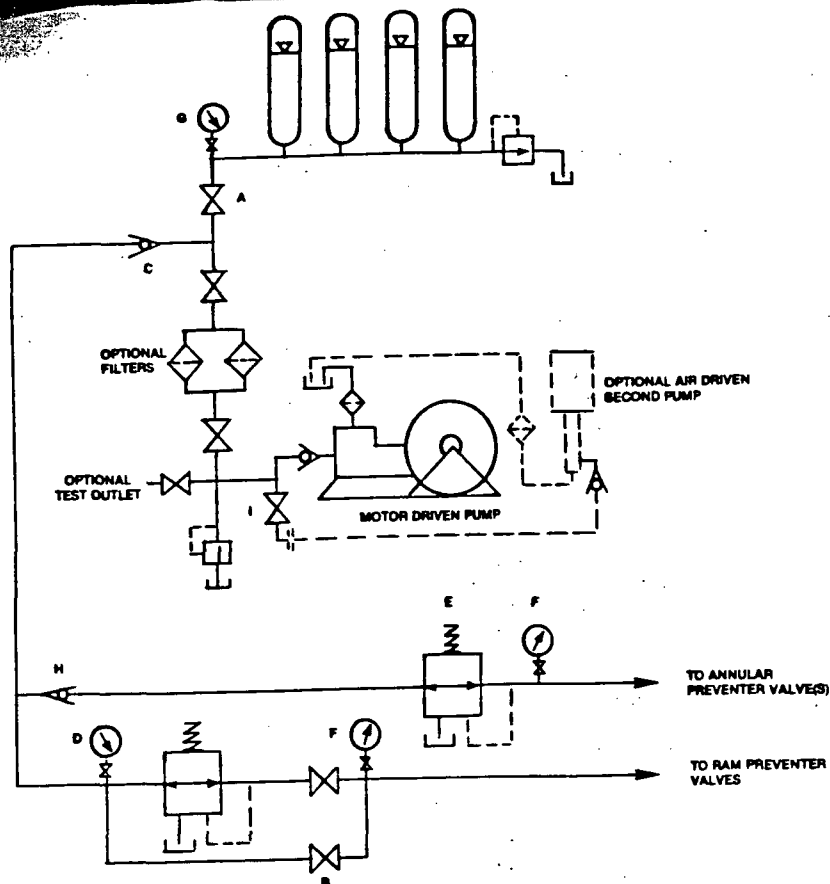


EXHIBIT "E"
 B.O.P. SKETCH TO BE USED ON
 POGO PRODUCING COMPANY
 COVINGTON "A" FEDERAL # 15
 760' FNL & 660' FEL SEC. 2
 T22S-R32E LEA CO. 1"



HAND AJUSTABLE CHOKE

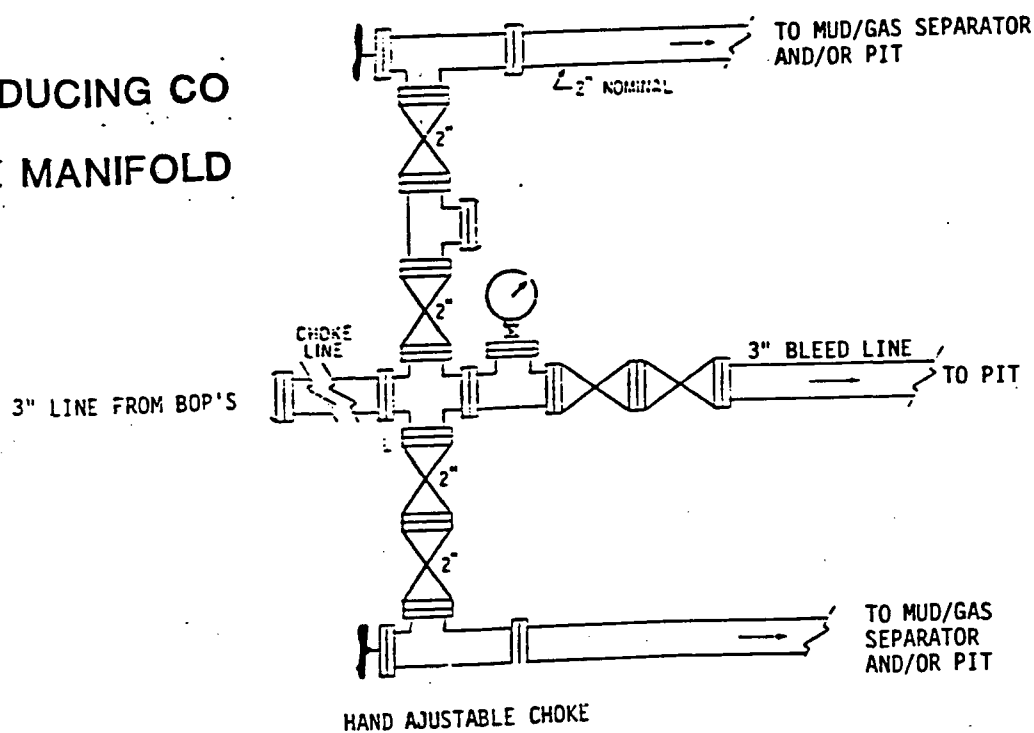


EXHIBIT " E-1"
CHOKE MANIFOLD & CLOSING U

POGO PRODUCING COMPANY
COVINGTON "A" FEDERAL # 1
760' FNL & 660' FEL SEC.
T22S-R32E LEA CO.

POGO PRODUCING CO
3M CHOKE MANIFOLD

CMD : ONGARD 07/10/97 19:12:51
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -EMDZ

OGRID Idn : 17891 API Well No: 30 25 33319 APD Status(A/C/P): A
Opr Name, Addr: POGO PRODUCING CO Aprvl/Cncl Date : 02-29-1996
PO BOX 10340
MIDLAND, TX 79702

Prop Idn: 9316 COVINGTON A FEDERAL Well No: 15

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
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Surface Locn : A	25	22S	32E				FTG 330 F N	FTG 990 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) : R
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 3748

State Lease No: Multiple Comp (Y/N) : S
Prpsd Depth : 9200 Prpsd Frmtn : BONE SPRING

E0009: Enter data to modify record

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