

Form 3160-3
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RESUBMITTAL

New Mexico Oil Conservation Division, District I
1625 N. French Drive
H. S. NM 88240

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

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

606

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-2379
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Pogo Producing Company		7. UNIT AGREEMENT NAME
3. ADDRESS AND TELEPHONE NO. P. O. Box 10340, Midland, TX 79702-7340 (915)685-8100		8. FARM OR LEASE NAME, WELL NO. Covington A Federal #17
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At surface 2080' FNL & 660' FEL, Section 26, T22S, R32E At proposed prod. zone Same		9. API WELL NO. 30-025-35940
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 29 miles West of Eunice, NM		10. FIELD AND POOL, OR WILDCAT Red Tank Bone Spring
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drig. unit line, if any) 1980'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T22S, R32E
16. NO. OF ACRES IN LEASE 1280		12. COUNTY OR PARISH Lea County
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1220'		22. APPROX. DATE WORK WILL START* Upon Approval
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3753.4' GR		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	850'	Sufficient to circulate
11"	8-5/8"	32#	4750'	Sufficient to circulate
7-7/8"	5-1/2"	17#	10,200'	To tie back to 3800' OK

above BASE W/ANHYDRITE

After setting production casing, pay zone will be perforated and stimulated as necessary.

See attached for: Supplemental drilling data
BOP sketch
Surface use and operations plan

OPER. GRID NO. 17891
PROPERTY NO. 9316
POOL CODE 51683
EFF. DATE 6-28-02
API NO. 30-025-35940

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

Cachhad Controlled Water Basin

IN ABOVE SPACE DESCRIBE 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 Cathy Imbed TITLE Sr. Operations Tech DATE 05/21/02
(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 lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ Mary J. Rugwell TITLE FIELD MANAGER DATE JUN 27 2002

*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.

APPROVAL FOR 1 YEAR

OIL CONSERVATION DIVISION

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

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Artec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

30-025-35940

Operator POGO PRODUCING CO.			Lease COVINGTON "A" FEDERAL		Well No. 17
Unit Letter H	Section 26	Township 22 SOUTH	Range 32 EAST	County NMPM	LEA
Actual Footage Location of Well: 2080 feet from the NORTH line and 660 feet from the EAST line					
Ground Level Elev. 3753.4'	Producing Formation BONE SPRINGS		Pool UNDES. RED TANK BONE SPRINGS	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)
No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, 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
Richard L. Wright

Printed Name
Richard L. Wright

Position
Division Operations Supr.

Company
POGO PRODUCING COMPANY

Date
November 19, 1992

SURVEYOR CERTIFICATION

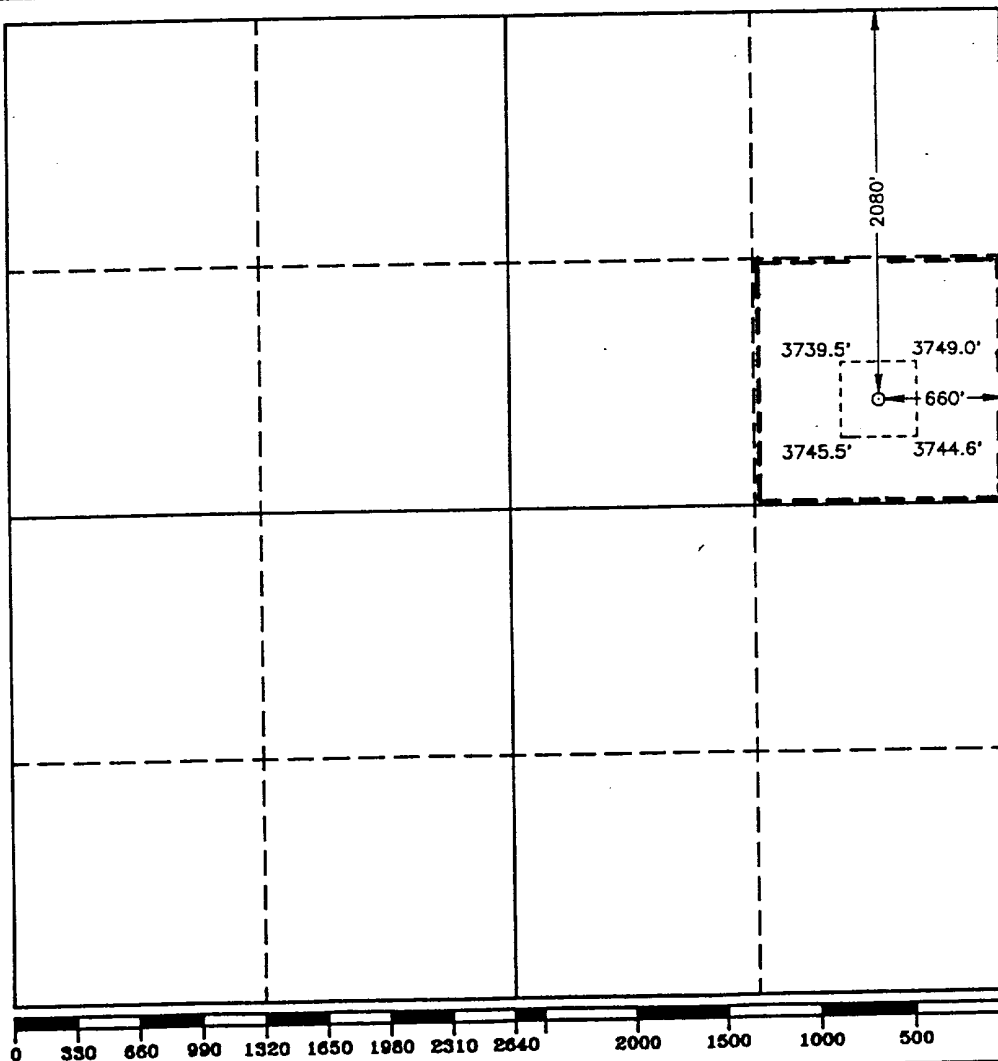
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
OCTOBER 1, 1992

Signature & Seal of
Professional Surveyor

Gary L. Jones
GARY L. JONES
NEW MEXICO
1992
Certificate No. JOHN W. WRIGHT, 678
RONALD E. JONES, 3238
PROFESSIONAL SURVEYOR, 7977

92-11-1405



SUPPLEMENTAL DRILLING DATA
POGO PRODUCING COMPANY
COVINGTON "A" FEDERAL WELL NO.17

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Anhydrite	900'
Delaware Lime	4800'
Cherry Canyon	6100'
Brushy Canyon	7400'
Bone Springs	8800'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Delaware	Oil
Bone Springs	Oil

4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
13-3/8"	0	850'	54.5#	J-55	STC
8-5/8"	0	4500'	32#	J-55	STC
"	4500'	4750'	32#	S-80	STC
5-1/2"	0	1000'	17#	N-80	LTC
"	1000'	6500'	17#	J-55	LTC
"	6500'	10,200'	17#	N-80	LTC

MINIMUM

DESIGN FACTORS: COLLAPSE 1.125 BURST 1.1 TENSION 1.7

13-3/8" casing to be cemented with 500 sacks of light cement tailed in with 200 sacks of Class "C" with 2% CaCl. Cement to circulate.

8-5/8" casing to be cemented with 1200 sacks of light cement with 10% salt tailed in with 200 sacks of premium cement with 1% CaCl. Cement to circulate.

5-1/2" production casing is to be cemented in three stages with staging

collars at approximately 7500 feet and 5500 feet. First stage will 400 sacks of premium cement. Second stage will be 200 sacks of light cement tailed in with 400 sacks of premium cement. Third stage will be 250 sacks of light cement tailed in with 100 sacks of premium.

Cementing will be in two stages if hole conditions permit. Cement may have lost circulation or other additives depending on hole conditions at the time casing is run.

5. PRESSURE CONTROL EQUIPMENT:

Blowout prevention equipment, while drilling the 11" hole, will be either a 3000 psi working pressure double ram type preventer or a 3000 psi working pressure annular type preventer.

Blow out prevention equipment, while drilling below the 8-5/8" casing seat, will be a 3000 psi working pressure BOP stack. A BOP sketch is attached.

6. CIRCULATING MEDIUM:

Surface to 850 feet: Fresh water spud mud. Viscosity 30 to 36 as required for hole cleaning.

850 feet to 4750 feet: Brine conditioned as necessary for control of viscosity. Weight 9.8 to 10. pH 9 to 10. Viscosity 32 to 36.

4750 feet to T.D.: Water base drilling fluid conditioned as necessary for control of weight, viscosity, pH and water-loss. Weight 9 to 10. Viscosity 38-45. pH 9 to 10. Filtrate while drilling pay zone 6 to 15.

7. AUXILIARY EQUIPMENT:

A mud logging trailer will be in use while drilling below the intermediate casing.

8. TESTING, LOGGING, AND CORING PROGRAMS:

Drill stem tests will be made when well data indicate a test is warranted.

It is planned that electric logs will include GR-CNL-Density logs and GR-DLL logs.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURES, OR HYDROGEN SULFIDE GAS:

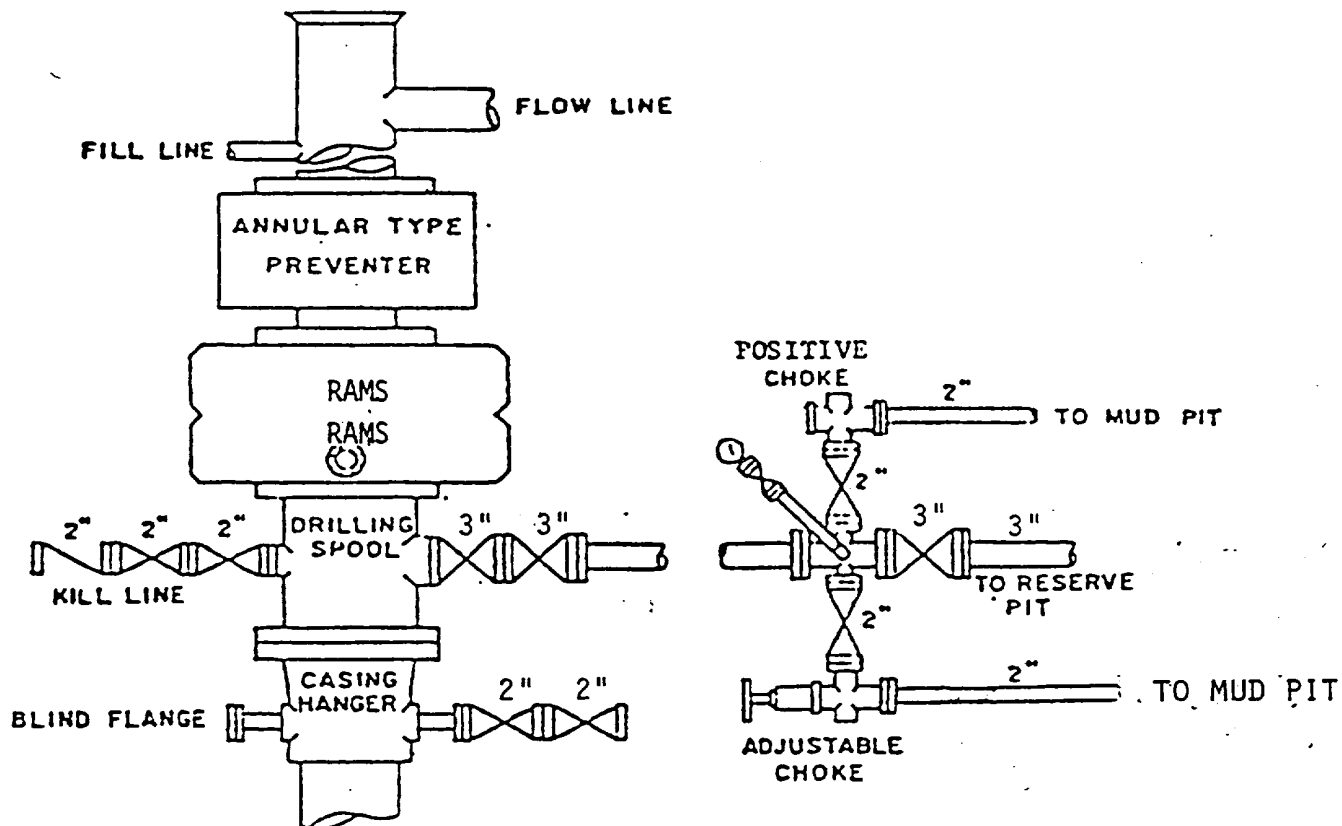
None anticipated.

Expected bottom hole pressure is about 3700 psi.

Expected bottom hole temperature is about 130 degrees Fahr.

10. ANTICIPATED STARTING DATE:

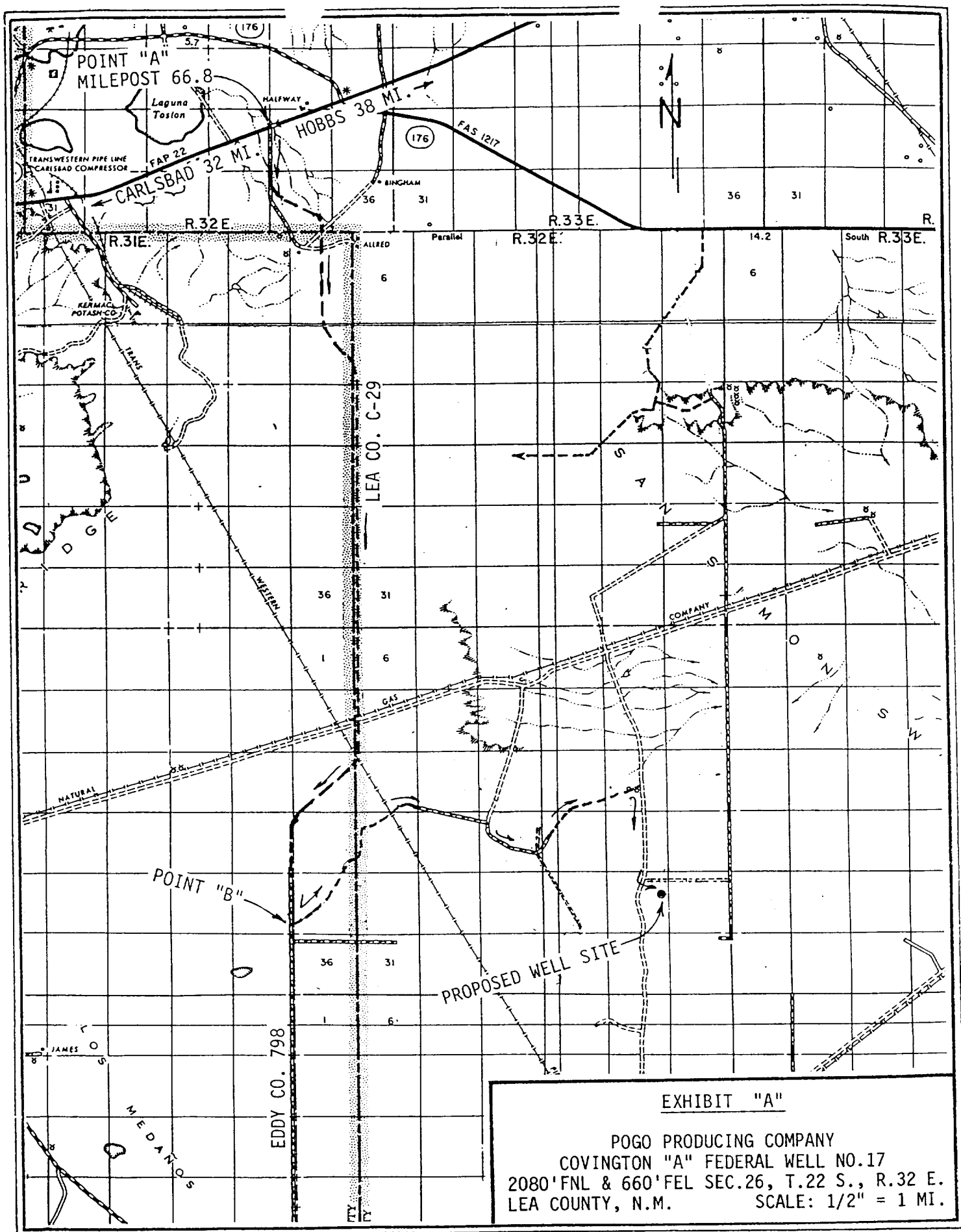
It is planned that operations will commence upon approval of this application, with drilling and completion operations lasting about 30 days.



BOP STACK

3000 PSI WORKING PRESSURE

BOP ARRANGEMENT



ELF
ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED
1/6/03