

ARTE

DEPARTMENT
BUREAU

APPLICATION FOR

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 surface2310' FSL & 330' FEL SEC. 28 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 drlg. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

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

2000'

19. PROPOSED DEPTH

9100'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

ROTARY

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

3614' GR.

22. APPROX. DATE WORK WILL START*

As soon as approved

23.

PROPOSED CASING AND CEMENTING PROGRAM

CARLSBAD CONTROLLED WATER BASIN

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	Conductor 20"	NA	40'	Cement to surface with Redi-mix
14 3/4"	H-40 10 3/4"	32.75	800'	800 Sx. Circulate to surface.
9 7/8"	J-55 7 5/8"	26.4	4550'	1100 Sx. Circulate to surface.
6 3/4"	J-55 & N-80 4 1/2"	11.6	9100'	1000 Sx. estimate TC 3500'

1. Drill 25" hole to 40'. Set 40' of 20" conductor 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 800 Sx. of Class "C" cement + additives, circulate cement to surface.
3. Drill 9 7/8" hole to 4550'. Run and set 4550' of 7 5/8" J-55 24.6# ST&C casing. Cement with 1100 Sx. of Class "C" cement + additives, circulate cement to surface.
4. Drill 6 3/4" hole to 9100'. Run and set 4550' of 4 1/2" J-55 & N-80 11.6# casing as follows: 2100' of N-80, 5500' of J-55, 1500' of N-80. Cement with 1000 Sx. of Class "H" + additives, estimate top of cement at 3500'.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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

Loft Canine

TITLE

Agent

DATE 11/10/97

(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 lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

ORIG. SGD) DON L. FERGUSON

TITLE

ADM. MINERALS

DATE

12-3-97

*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.

BUREAU OF LAND MGMT.
ROSWELL OFFICE

1997 NOV 12 A 9:43

RECEIVED

Received
Hobbs
OCD

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

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34221	Pool Code 51683	Pool Name RED TANK BONE SPRING
Property Code 9342	Property Name RED TANK "28" FEDERAL	Well Number 6
OGRID No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 3614

Surface Location

UL or lot No. 1	Section 28	Township 22 S	Range 32 E	Lot Idn	Feet from the 2310	North/South line SOUTH	Feet from the 330	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
					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

				OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Joe T. Janica Printed Name Agent Title 11/10/97 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 31, 1997 Date Surveyed Signature of Professional Surveyor Professional Surveyor RONALD G. EIDSON 11-03-97 W.O. Num 97-15-1784 Certificate No. RONALD G. EIDSON, 3239 GARY G. EIDSON, 12841 MADON McDONALD, 12185	

APPLICATION TO DRILL
POGO PRODUCING COMPANY
RED TANK "28" FEDERAL # 6
UNIT "I" SECTION 28
T22S-R32E LEA CO. NM

In response to questions asked under Section II B of Bulletin NTL-6 the following information is provided for your consideration:

1. Location: 2310' FSL & 330' FEL SEC. 22 T22S-R32E LEA CO.
2. Elevation above sea level: 3614' GR.
3. Geologic name of surface formation: Quaternary Aeolian Deposits.
4. Drilling tools and associated equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal.
5. Proposed drilling depth: 9100'

6. Estimated tops of geological markers:

Rustler Anhydrite	775'	Brushy Canyon	7400'
Delaware Lime	4800'	Bone Spring	8800'
Cherry Canyon	6100'		

7. Possible mineral bearing formation:

Delaware	Oil
Bone Spring	Oil

8. Casing program:

<u>Hole size</u>	<u>Interval</u>	<u>OD casing</u>	<u>Weight</u>	<u>Thread</u>	<u>Collar</u>	<u>Grade</u>
25"	0-40-	20"	NA	NA	NA	Conductor
14 3/4"	0-800'	10 3/4"	32.75	8-R	ST&C	H-40
9 7/8"	0-4550'	7 5/8"	26.4	8-R	ST&C	J-55
6 3/4"	0-9100'	4 1/2"	11.6	8-R	LT&C	J-55 & N-80

APPLICATION TO DRILL
 POGO PRODUCING COMPANY
 RED TANK "28" FEDERAL # 6
 UNIT "I" SECTION 28
 T22S-R32E LEA CO. NM

9. Casing Cementing and Setting Depth:

20"	Conductor	Set 40' of 20" conductor and cement to surface with Redi-mix.
10 3/4"	Surface	Set 800' of 10 3/4" H-40 32.75# ST&C casing. Cement with 800 Sx. of Class "C" + additives circulate cement to surface.
7 5/8"	Intermediate	Set 4550' of 7 5/8" J-55 26.4# ST&C casing. Cement with 1100 Sx. of Class "C" cement + additives, circulate cement to surface.
4 1/2"	Production	Set 9100' of 4 1/2" J-55 & N-80 11.6# LT&C casing. Cement with 1000 Sx. of Class "H" + additives, Tie cement back to 7 5/8" casing estimate top of cement 3500'.

10. Pressure Control Equipment: Exhibit "E", A 900 Series 3000 PSI working pressure B.O.P. consisting of a double ram type preventor with a bag type annular preventor will be used. The B.O.P. unit will be hydraulically operated. Exhibit "E-1" shows choke manifold and closing unit. B.O.P. will be nipped up on 10 3/4" casing and will be operated at least once each 24 hour period while drilling and blind rams will be operated when out of hole during trips. Full opening stabbing valve and upper kelly cock will be utilized.

11. Proposed Mud Circulating System:

Depth	Mud Wt.	Visc.	Fluid Loss	Type Mud
40-800'	8.6-8.8	29-36	NC	Fresh water Spud mud, add paper to control seepage.
800-4550'	10-10.6	29-32	NC	Brine water add paper for seepage control and Lime for pH control, hole sweeps to clean hole.
4550'-8800'	8.6-8.8	29-32	NC	Fresh water add paper to control seepage.
8800-9100'	8.6-8.8	29-38	10 cc or less	Fresh water Drispac system add soda ash to control pH and starch to control water loss

Sufficient mud materials will be kept on location at all times in order to combat lost circulation and unexpected kicks. In order to run DST'S, open hole logs and casing the viscosity and water loss may have to be adjusted to meet these needs.

APPLICATION TO DRILL

POGO PRODUCING COMPANY
RED TANK "28" FEDERAL # 6
UNIT "I" SECTION 28
T22S-R32E LEA CO. NM

12. Testing, Logging and Coring Program:

- A. Mud logger will be on hole from 4450' to TD.
- B. No cores or DST'S are planned.
- C. Open hole logs will be run, Dual Induction, Gamma Ray, Caliper, Density and CNL.

13. Potential Hazards:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered, H₂S detectors will be in place to detect any presence. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used. Estimated BHP 3700 PSI, estimated BHT 145° .

14. Anticipated Starting Date and Duration of Operation:

Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved. Drilling expected to take 20-25 days. If production casing is run an additional 30 days to complete and construct surface facility and place well on production.

15. Other Facets of Operations:

After running casing, cased hole gamma ray neutron collar logs will be run from total depth over possible pay intervals. The Bone Spring pay will be perforated and stimulated. The well will be swab tested and potentialized as an Oil well.

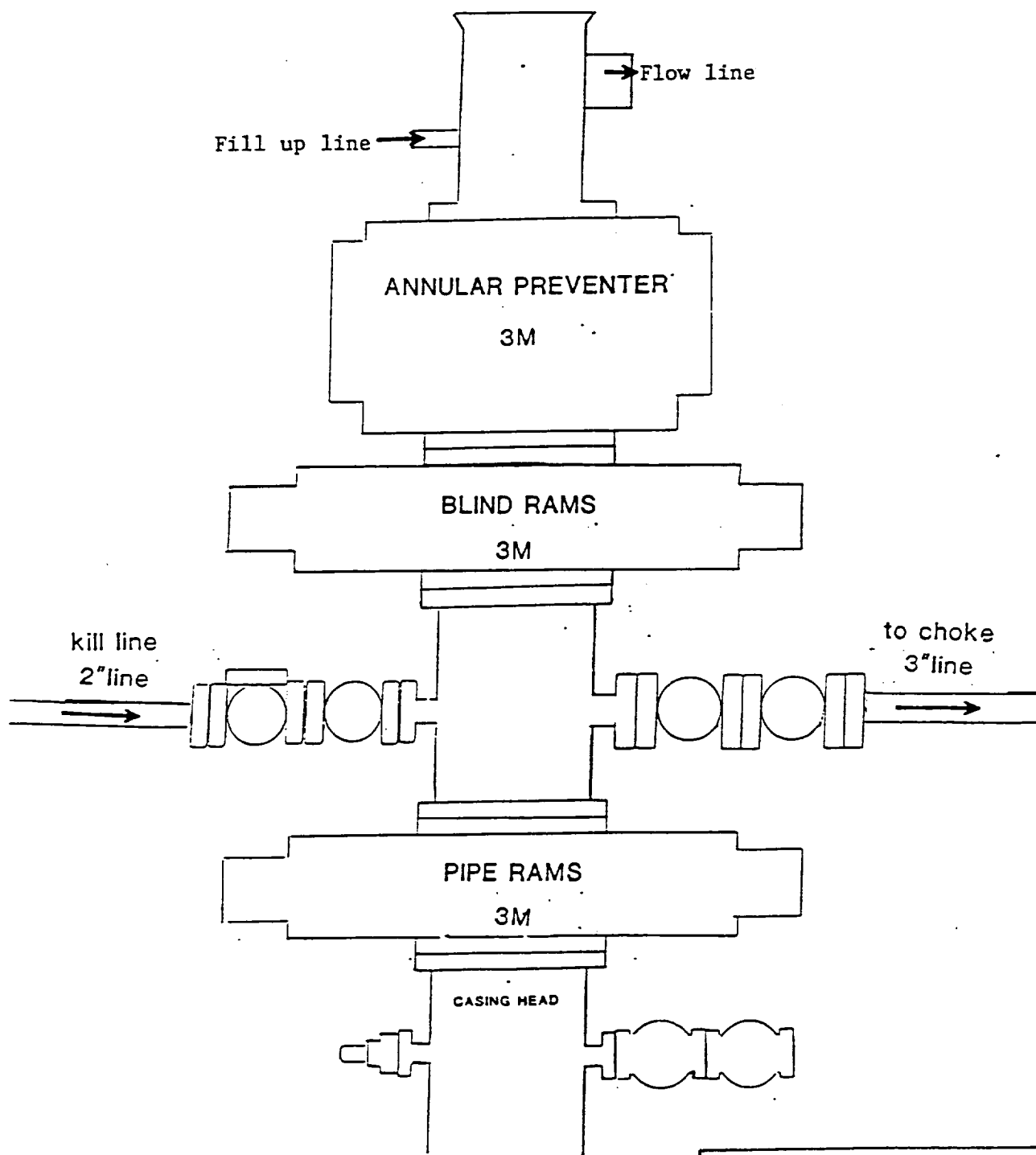


EXHIBIT "E"
B.O.P. SKETCH TO BE USED ON

POGO PRODUCING COMPANY
RED TANK "28" FEDERAL # 6
UNIT : I: SECTION 28
T22S-R32E LEA CO. NM

Handwritten signature or initials, possibly "H. P. D." or similar.

Handwritten signature or initials, possibly "S. P. D." or similar.