

UNITED STATES  
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT N.M. Oil Cons. Division

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

Box 1980  
Hobbs, NM 88241

## 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) Ph 915-685-8140

## 3. ADDRESS AND TELEPHONE NO.

P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 915-685-8140

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface1650' FNL & 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 drilg. unit line, if any)

330'

## 16. NO. OF ACRES IN LEASE

320

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.

1320'

## 19. PROPOSED DEPTH

8900'

## 20. ROTARY OR CABLE TOOLS

ROTARY

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

3619' GR.

## 22. APPROX. DATE WORK WILL START\*

WHEN APPROVED

## 23. PROPOSED CASING AND CEMENTING PROGRAM

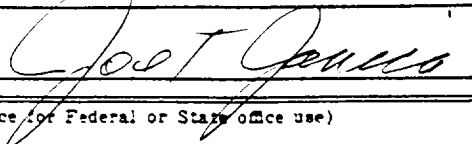
| SIZE OF HOLE | GRADE SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT              |
|--------------|----------------------|-----------------|---------------|---------------------------------|
| 25"          | 20"                  | NA              | 40'           | Cement to surface 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            | 8900'         | 1000 Sx. Estimate top Cem 4000' |

1. Drill 25" hole to 40'. Set 40' of 20" Conductor pipe & cement to surface with Redi-mix.
2. Drill 14 3/4" hole to 800'. Run and set 800' of 10 3/4" 32.75# H-40 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" 24.6# J-55 ST&C casing. Cement with 1100 Sx. of Class "C" cement + additives, circulate cement to surface.
4. Drill 6 3/4" hole to 8900'. Run and set 8900' of 4 1/2" casing as follows: 2100' of 4 1/2" 11.6# N-80, ST&C, 5400' of 4 1/2" 11.6# J-55 LT&C, 1400' of 4 1/2" 11.6# N-80 LT&C casing. Cement with 1000 Sx. of Class "H" Premium cement + additives, estimate top of cement 4000'.

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.

24.

SIGNED



TITLE Agent

(This space for Federal or State office use)

PERMIT NO.

APPROV.

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:

Acting

APPROVED BY

(ORIG. SGN.) ARMANDO A. LOPEZ

TITLE

Assistant Field Office Manager,  
Lands and Minerals

DATE

JUL 13 1998

\*See Instructions On Reverse Side

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

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

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<br>30-02-S-34459 | Pool Code<br>51683                      | Pool Name<br>RED TANK BONE SPRING |
| Property Code<br>9342       | Property Name<br>RED TANK 28 FEDERAL    | Well Number<br>5                  |
| OGRID No.<br>17891          | Operator Name<br>POGO PRODUCING COMPANY | Elevation<br>3619                 |

Surface Location

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| H             | 28      | 22 S     | 32 E  |         | 1650          | NORTH            | 330           | EAST           | LEA    |

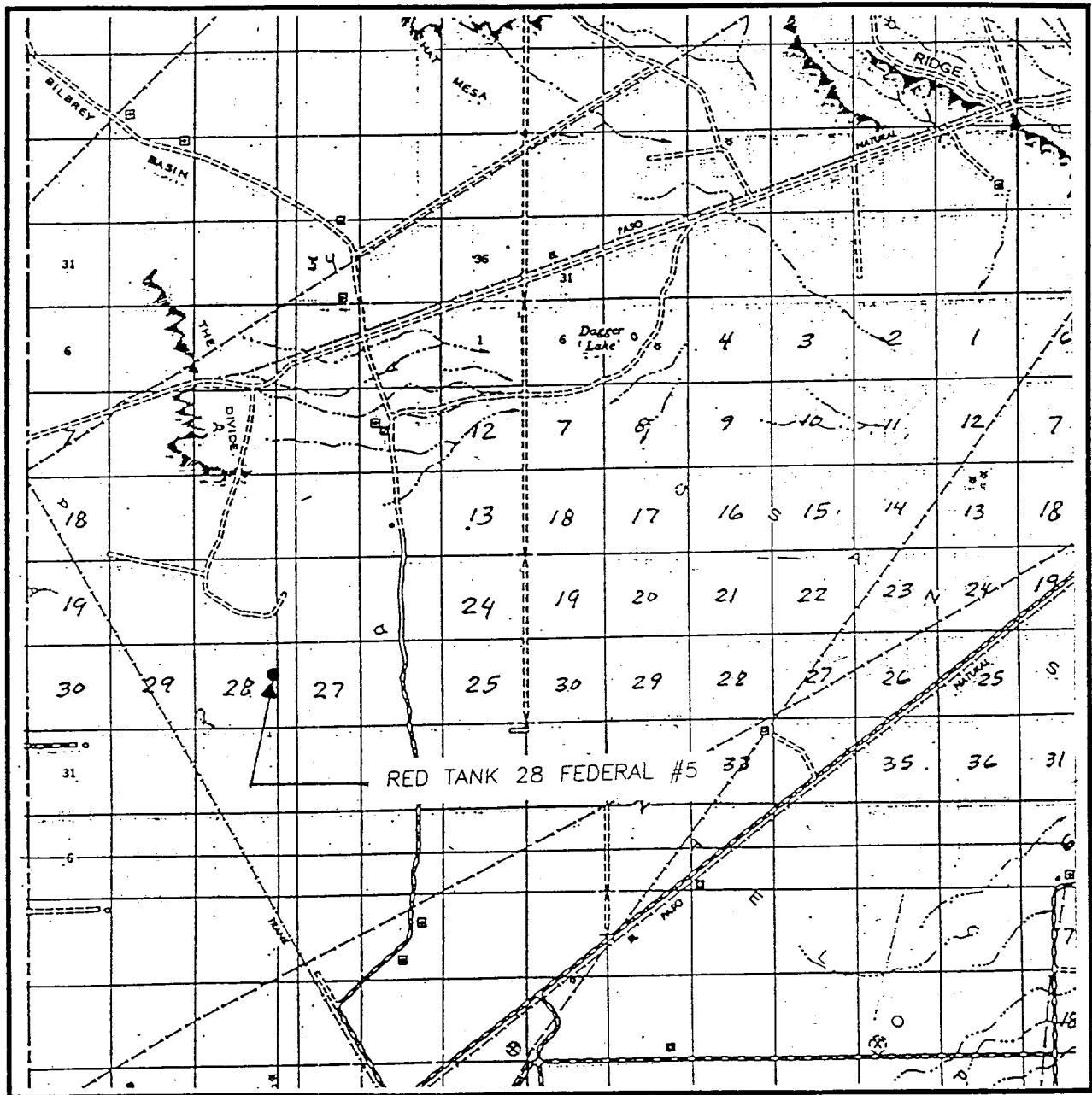
Bottom Hole Location If Different From Surface

|                       |                 |                    |           |         |               |                  |               |                |        |
|-----------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No.         | Section         | Township           | Range     | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|                       |                 |                    |           |         |               |                  |               |                |        |
| Dedicated Acres<br>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

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Joe T. Janica</i><br/>Signature</p> <p>Joe T. Janica<br/>Printed Name</p> <p>Agent<br/>Title</p> <p>06/17/98<br/>Date</p>                                                                                                                                                                                  |
|  | <p>SURVEYOR CERTIFICATION</p> <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>MAY 28, 1998<br/>Date Surveyed</p> <p>Signature of Surveyor<br/>Professional Surveyor</p> <p>NEW MEXICO<br/>98-17-083</p> <p>Certificate No. RONALD C. EDSON 3239<br/>CARY EDSON 12641<br/>EDSON, RONALD 12185</p> |

# VICINITY MA.



SCALE: 1" = 2 MILES

SEC. 28 TWP. 22-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1650' FNL & 330' FEL

ELEVATION 3619

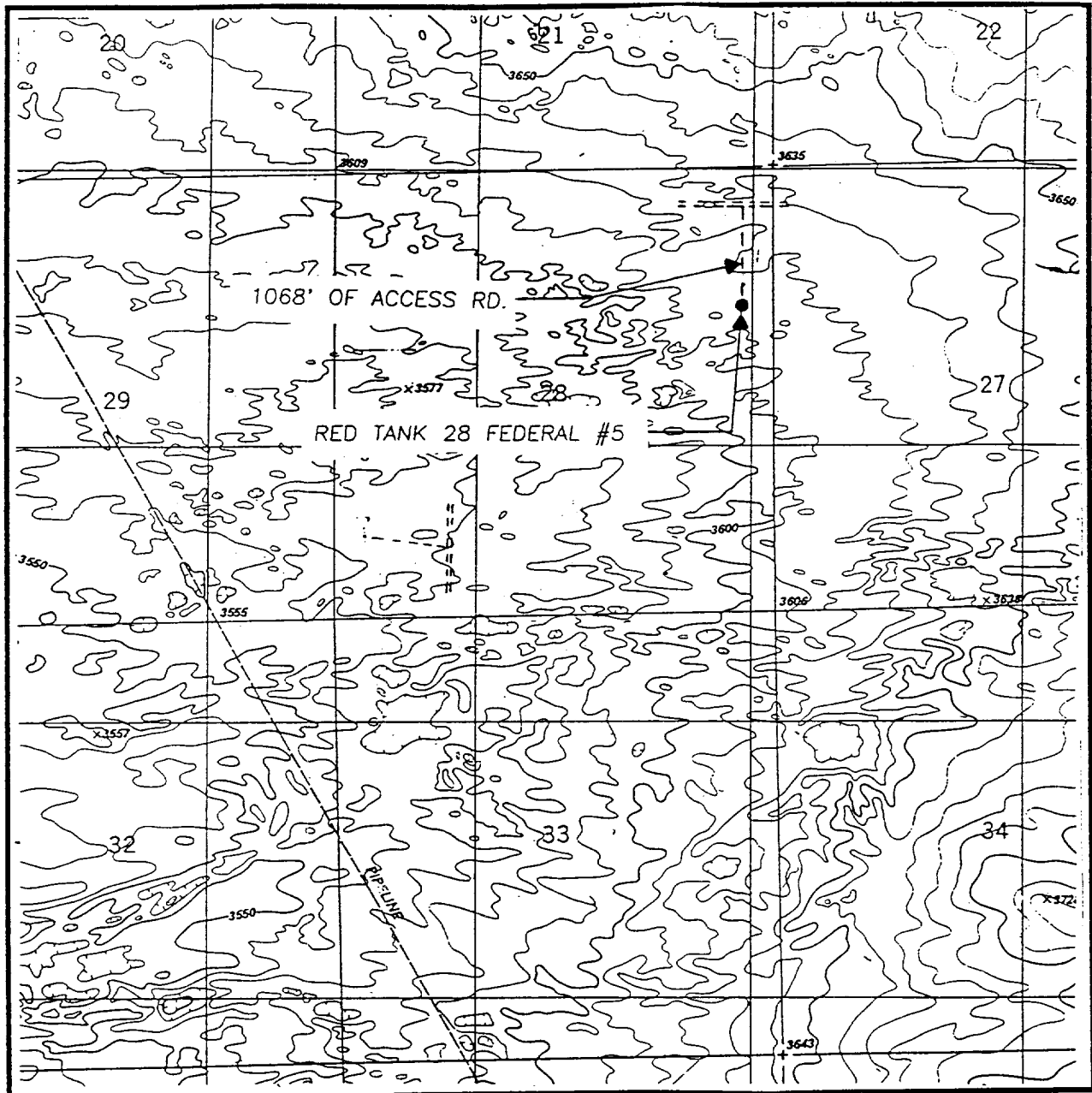
OPERATOR POGO PRODUCING COMPANY

LEASE RED TANK 28 FEDERAL

**JOHN WEST ENGINEERING  
HOBBS, NEW MEXICO**

**(505) 393-3117**

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
BOOTLEG RIDGE - 10'

SEC. 28 TWP. 22-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1650' FNL & 330' FEL

ELEVATION 3619

OPERATOR POGO PRODUCING COMPANY

LEASE RED TANK 28 FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

BOOTLEG RIDGE, N.M.

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

POGO PRODUCING COMPANY  
 RED TANK "28" FEDERAL # 5  
 UNIT "H" 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: 1650' FNL & 330' FEL SEC. 22 T22S-R32E LEA CO.
2. Elevation above sea level: 3619' 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: 8900'
6. Estimated tops of geological markers:

|                   |       |               |       |
|-------------------|-------|---------------|-------|
| Rustler Anhydrite | 775'  | Brushy Canyon | 7400' |
| Delaware Lime     | 4800' | Bone Spring   | 8300' |
| Cherry Canyon     | 6100' |               |       |
7. Possible mineral bearing formation:

|             |     |
|-------------|-----|
| Delaware    | Oil |
| Bone Spring | Oil |
8. Casing program:

| <u>Hole size</u> | <u>Interval</u> | <u>CD 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"           | 0-8900'         | 4 1/2"           | 11.6          | 8-R           | LT&C          | J-55<br>N-80 |

POGO PRODUCING COMPANY  
RED TANK "28" FEDERAL # 5  
UNIT "H" 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 8900' 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. |
| 4550-8500' | 8.6-8.8 | 29-32 | NC            | Fresh water add paper to control seepage.                                                     |
| 8500-8900' | 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.

POGO PRODUCING COMPANY  
RED TANK "28" FEDERAL # 5  
UNIT "H" SECTION 28  
T22S-R32E LEA CO. NM

12. Testing, Logging and Coring Program:

- A. Mud logger will be on hole from 4550' 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 from TD to 4550'
- D. Gamma Ray Neutron from 4550' to surface.

13. Potential Hazards:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered, H<sub>2</sub>S 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.

## HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. All Company and Contract personnel admitted on location must be trained by a qualified H<sub>2</sub>S safety instructor to the following:
  - A. Characteristics of H<sub>2</sub>S
  - B. Physical effects and hazards
  - C. Proper use of safety equipment and life support systems.
  - D. Principle and operation of H<sub>2</sub>S detectors, warning system and briefing areas.
  - E. Evacuation procedure, routes and first aid.
  - F. Proper use of 30 minute pressure demand air pack.
2. H<sub>2</sub>S Detection and Alarm Systems
  - A. H<sub>2</sub>S detectors and audio alarm system to be located at bell nipple, end of bloopie line (mud pit) and on derrick floor or doghouse.
3. Windsack and/or wind streamers
  - A. Windsack at mudpit area should be high enough to be visible.
  - B. Windsack at briefing area should be high enough to be visible.
  - C. There should be a windsack at entrance to location.
4. Condition Flags and Signs
  - A. Warning sign on access road to location.
  - B. Flags to be displayed on sign at entrance to location. Green flag, normal safe condition. Yellow flag indicates potential pressure and danger. Red flag, danger, H<sub>2</sub>S present in dangerous concentration. Only emergency personnel admitted to location.
5. Well control equipment
  - A. See exhibit "E"
6. Communication
  - A. While working under masks chalkboards will be used for communication.
  - B. Hand signals will be used where chalk board is inappropriate.
  - C. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephoned will be available at most drilling foreman's trailer or living quarters.
7. Drillstem Testing
  - A. Exhausts will be watered.
  - B. Flare line will be equipped with an electric ignitor or a propane pilot light in case gas reaches the surface.
  - C. If location is near any dwelling a closed D.S.T. will be performed.



## HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

8. Drilling contractor supervisor will be required to be familiar with the effects H<sub>2</sub>S has on tubular goods and other mechanical equipment.
9. If H<sub>2</sub>S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas separator will be brought into service along with H<sub>2</sub>S scavengers if necessary.

SURFACE USE PLAN

POGO PRODUCING COMPANY  
RED TANK "28" FEDERAL # 5  
UNIT "H" SECTION 28  
T22S-R32E LEA CO. NM

1. EXISTING ROADS. Area map, Exhibit "B" is a reproduction of the New Mexico General Hi-way Co. Map. Exhibit "C" is a reproduction of a topographic map. Existing roads and proposed roads are shown on each exhibit. All roads will be maintained in a condition equal to or better than of construction.
  - A. Exhibit "A" shows the proposed development well as staked.
  - B. From Hobbs, New Mexico take US Hi-way 62-180 West toward Carlsbad New Mexico go 40 miles to Co. Road C-29 turn South go 14 miles to Mills Ranch Road. Turn East and follow oil field road for 5.1 miles turn Southeast go .4 miles turn Southwest go to well # 1 (500') turn South go 1000' to location.
  - C. Lay 3" polyethelene pipeline to transport produced fluids to a common tank battery. Construct a 1250 KV electric power line along road ROW in order to produce oil and gas from this well.
2. PLANNED ACCESS ROADS: Approximately 1000' of new road will be constructed.
  - A. The access road will be crowned and ditched to a 12'00" wide travel surface with 40' right-of-way.
  - B. Gradient on all roads will be less than 5.00%.
  - C. No turnouts will be necessary.
  - D. If needed, road will be surfaced with a minimum of 4" of caliche. This material will be obtained from a local source.
  - E. Centerline for the new access road has been flagged. Earthwork will be as required by field conditions.
  - F. Culverts in the access road will not be used. The road will be constructed to utilize low water crossings for drainage as required by the Topography.
3. LOCATION OF EXISTING WELLS IN A ONE-MILE RADIUS EXHIBIT "A-1"
  - A. Water wells - None in the immediate area.
  - B. Disposal wells - One approximately 1.5 miles North.
  - C. Drilling wells - None known
  - D. Producing wells - As shown on Exhibit "A-1"
  - E. Abandoned wells - As shown on Exhibit "A-1"

POGO PRODUCING COMPANY  
RED TANK "28" FEDERAL # 5  
UNIT "H" SECTION 28  
T22S-R32E LEA CO. NM

4. If, upon completion, the well is a producer, Pogo Producing Company will furnish maps or plats showing On Well Pad facilities and Off Well Pad facilities (if needed) on a Sundry Notice before construction of these facilities starts.

5. LOCATION AND TYPE OF WATER SUPPLY

Water will be purchased locally from a private source and trucked over the access roads or piped in flexible lines laid on top of the ground.

6. SOURCE OF CONSTRUCTION MATERIALS

If needed, construction materials will be obtained from the drill site's excavations or from a local source. These materials will be transported over the access route as shown on Exhibit "A".

7. METHODS FOR HANDLING WASTE DISPOSAL

- A.
  1. Drill cuttings will be disposed of in the reserve pit.
  2. Trash, waste paper, and garbage will either be contained in a fenced trash trailer or in a trash pit, fenced with mesh wire to prevent wind-scattering during storage. When the rig moves out, all trash and debris left at the site will be contained to prevent scattering and will be buried at least 36" deep within a reasonable period of time.
  3. Salts remaining after completion of the well will be picked up by the supplier, including broken sacks.
  4. Sewage from trailer houses will drain into holes with minimum depth of 10'00". These holes will be covered during drilling and backfilled upon completion. A "porta John" will be provided for the rig crews. This will be properly maintained during the drilling operations and removed upon completion of the well.
- B.
  1. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling. In the event drilling fluids will not evaporate in a reasonable period of time they will be transported by tank truck to a state approved disposal site.

Water produced during testing of the well will be disposed of in the reserve pit. Oil produced during testing of the well will be stored in test tanks until sold and hauled from the site.

8. ANCILLARY FACILITIES

No camps or airstrips will be constructed.

## SURFACE USE PLAN

POGO PRODUCING COMPANY  
RED TANK "28" FEDERAL # 5  
UNIT "H" SECTION 28  
T22S-R32E LEA CO. NM

### 9. WELL SITE LAYOUT

- A. Exhibit "D" shows the proposed well site layout.
- B. This exhibit indicated proposed location of reserve and sump pits and living facilities.
- C. Mud pits in the active circulating system will be steel pits and the reserve pit is proposed to be unlined unless subsurface condition encountered during pit construction indicate that lining is needed for lateral containment of fluids.
- D. If needed, the reserve pit is to be lined with polyethylene. The pit liner will be 6 mils thick. Pit liner will extend a minimum 2'00" over the reserve pits dikes where the liner will be anchored down.
- E. The reserve pit will be fenced on three sides with four strands of barbed wire during drilling and completion phases. The fourth side will be fenced after all drilling operations have ceased. If the well is a producer, the reserve pit fence will be torn down. The reserve pit and those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.

### 10. PLANS FOR RESTORATION OF SURFACE

Rehabilitation of the location and reserve pit will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

However, in either event, the reserve pit will be allowed to dry properly, and fluid removed and disposed of in accordance with Article 7.B as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be contoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, the previously noted procedures will apply to those areas which are not required for production facilities.

POGO PRODUCING COMPANY  
RED TANK "28" FEDERAL # 5  
UNIT "H" SECTION 28  
T22S-R32E LEA CO. NM

11. OTHER INFORMATION

- A. Topography consists of sand dunes with a slight regional dip to the West. Soil supports native grasses mesquites and miniature oaks.
- B. The surface is used mainly for grazing livestock. Surface is owned by The Department of Interior, BLM.
- C. An Archeological survey will be conducted and copies will be sent to the BLM., Carlsbad Resource Area in Carlsbad, N.M.
- D. There are no dwellings or habitation within three miles of this location.

12. OPERATOR'S REPRESENTATIVE

Field representative to contact regarding compliance with surface use plan:

Before Construction:

Tierra Exploration Inc.  
P.O. Box 2188  
Hobbs, NM 88241  
Office Phone: 505-392-2112  
Joe T. Janica

During and after Construction

Pogo Producing Company  
P.O. Box 10340  
Midland, Tx 79702-7340  
Office Phone: 915-685-8140  
Mr. Richard Wright

13. CERTIFICATION: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge, are true and correct; and that the work associated with the operations proposed herein will be performed by Pogo Producing Company, its' Contractors/ Subcontractors in conformity with this plan and the terms and conditions underwhich it is approved. This statement is subject to the provision of 18 U.S.C. 1001 for the filing of a false statement.

NAME: Joe T JanicaTITLE: AgentDATE: 06/17/98

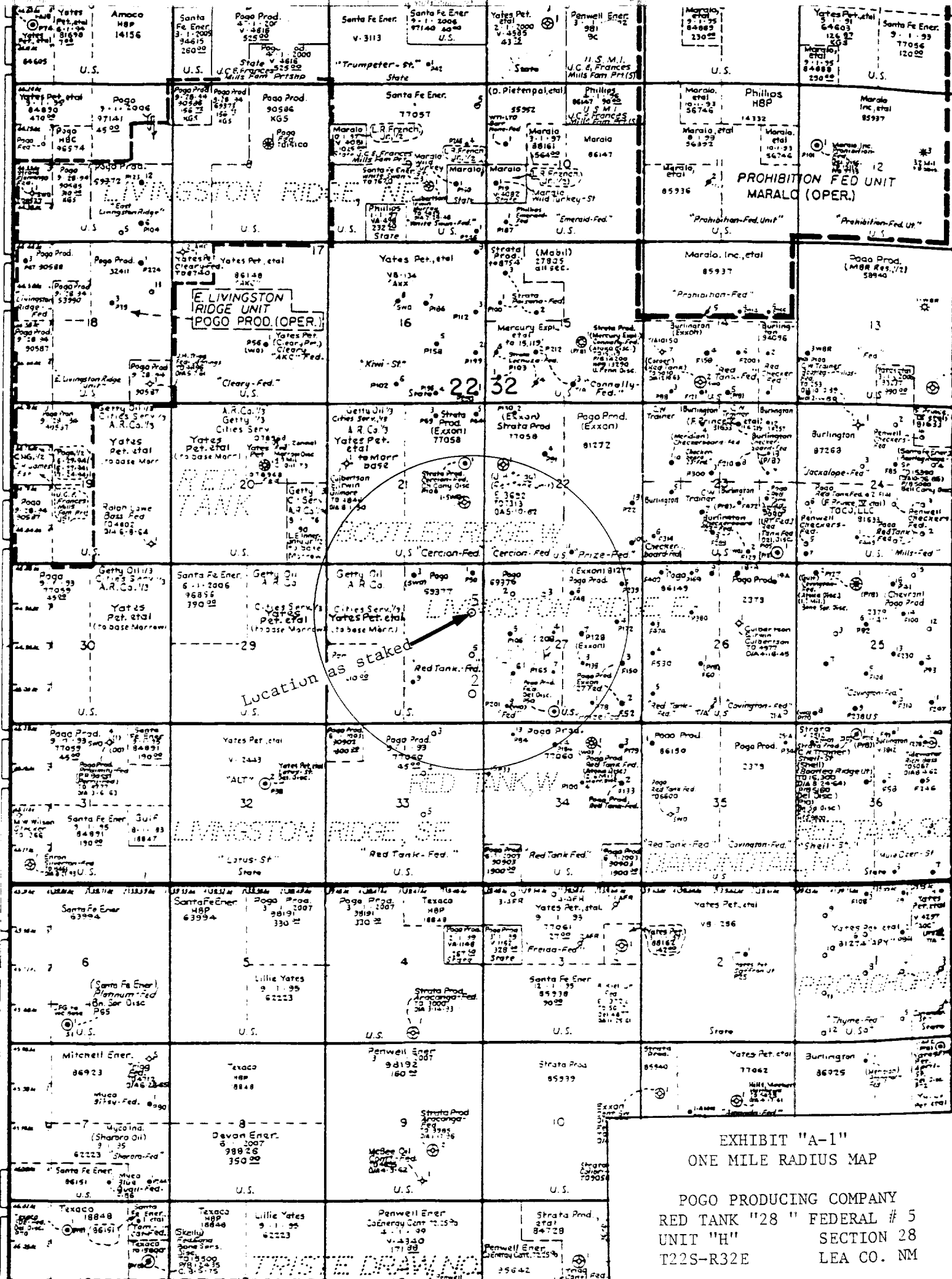


EXHIBIT "A-1"  
ONE MILE RADIUS MAP

POGO PRODUCING COMPANY  
RED TANK "28" FEDERAL # 5  
UNIT "H" SECTION 28  
T22S-R32E LEA CO. NM

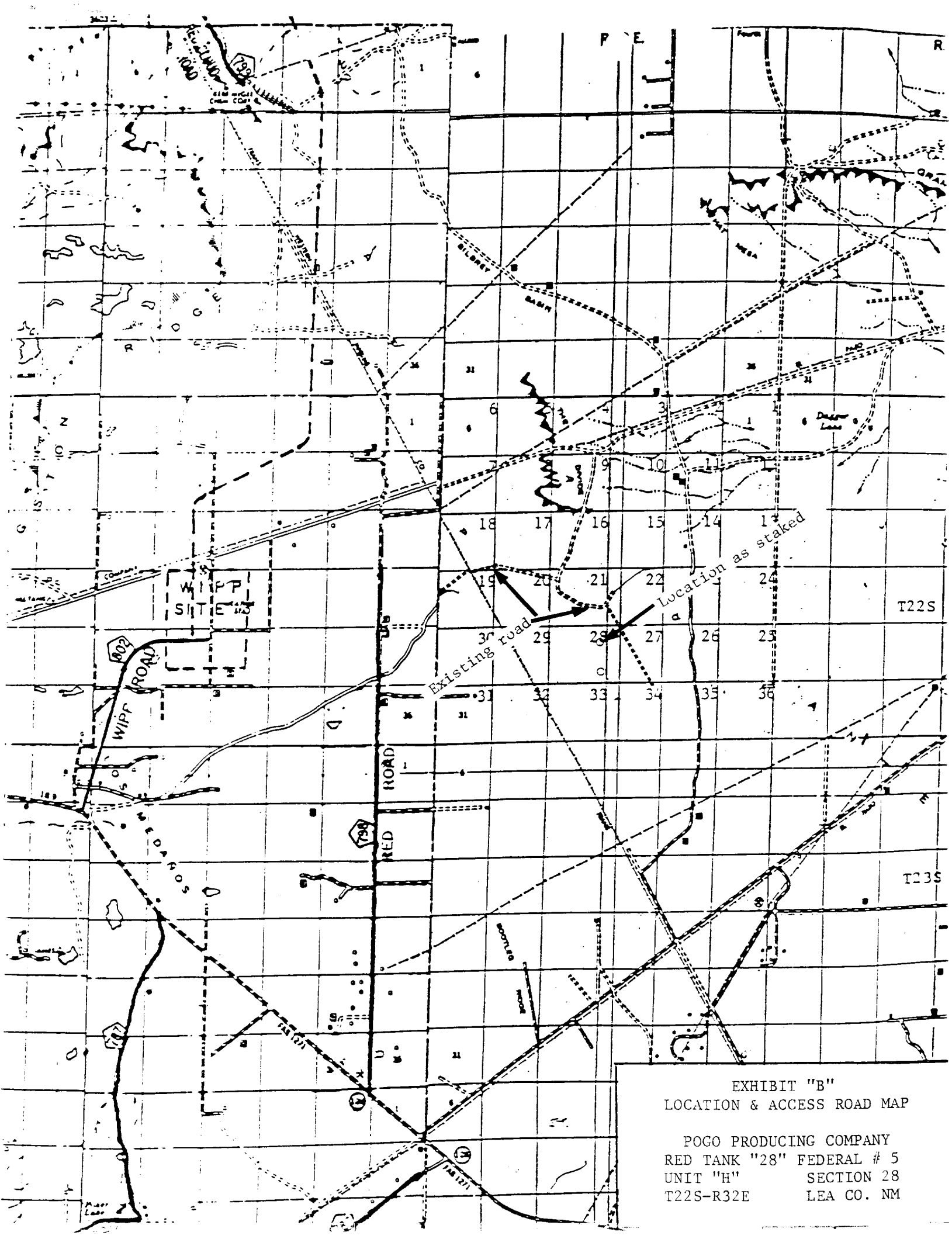
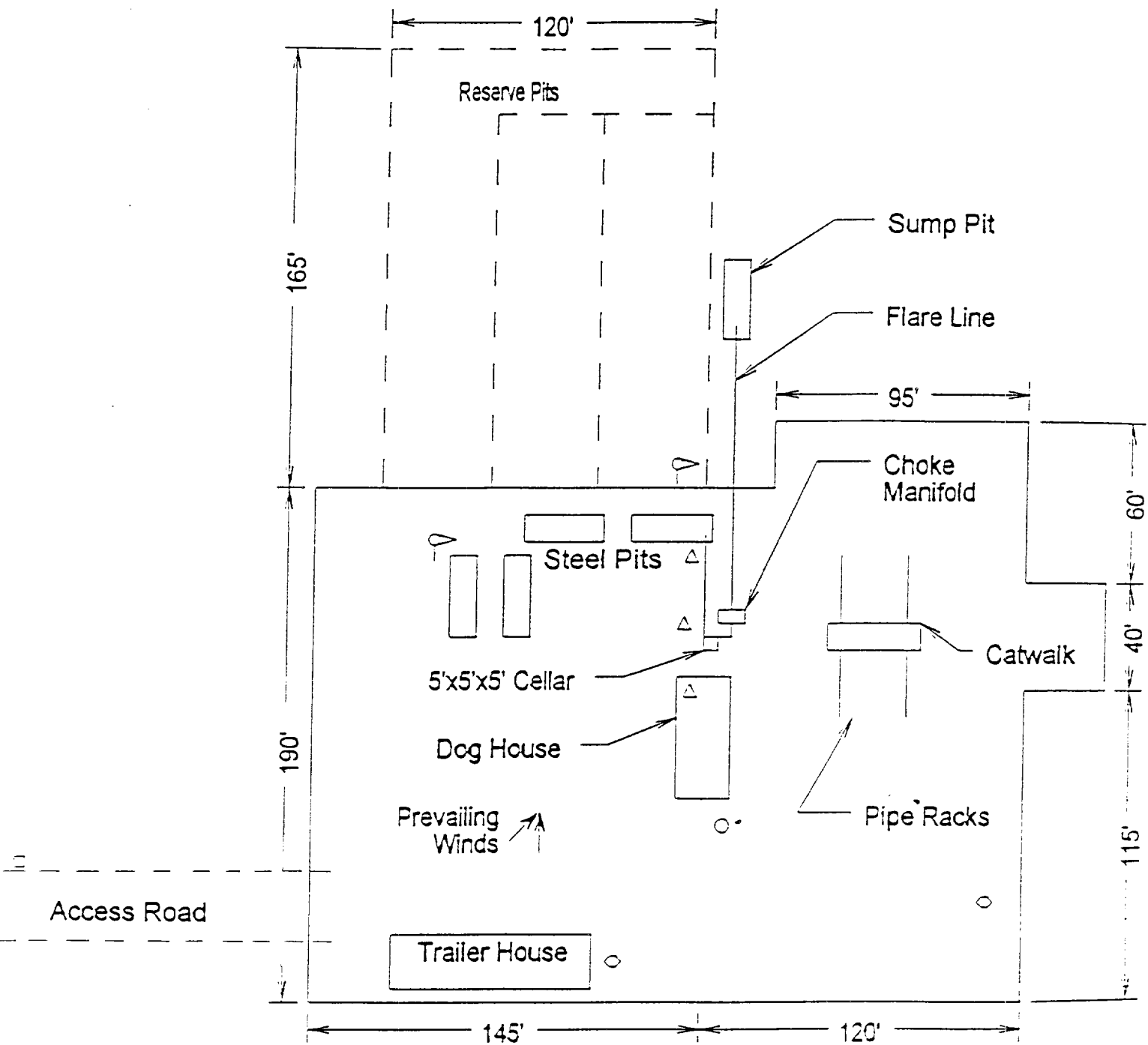


EXHIBIT "B"  
LOCATION & ACCESS ROAD MAP  
POGO PRODUCING COMPANY  
RED TANK "28" FEDERAL # 5  
UNIT "H" SECTION 28  
T22S-R32E LEA CO. NM







- Wind Direction Indicators (wind sock or streamers)
- △ H2S Monitors (alarms at bell nipple and shale shaker)
- Briefing Areas
- Remote BOP Closing Unit
- Sign and Condition Flags

EXHIBIT "D"  
RIG LAYOUT PLAT

POGO PRODUCING COMPANY  
RED TANK "28" FEDERAL # 5  
UNIT "H" SECTION 28  
T22S-R32E LEA CO. NM

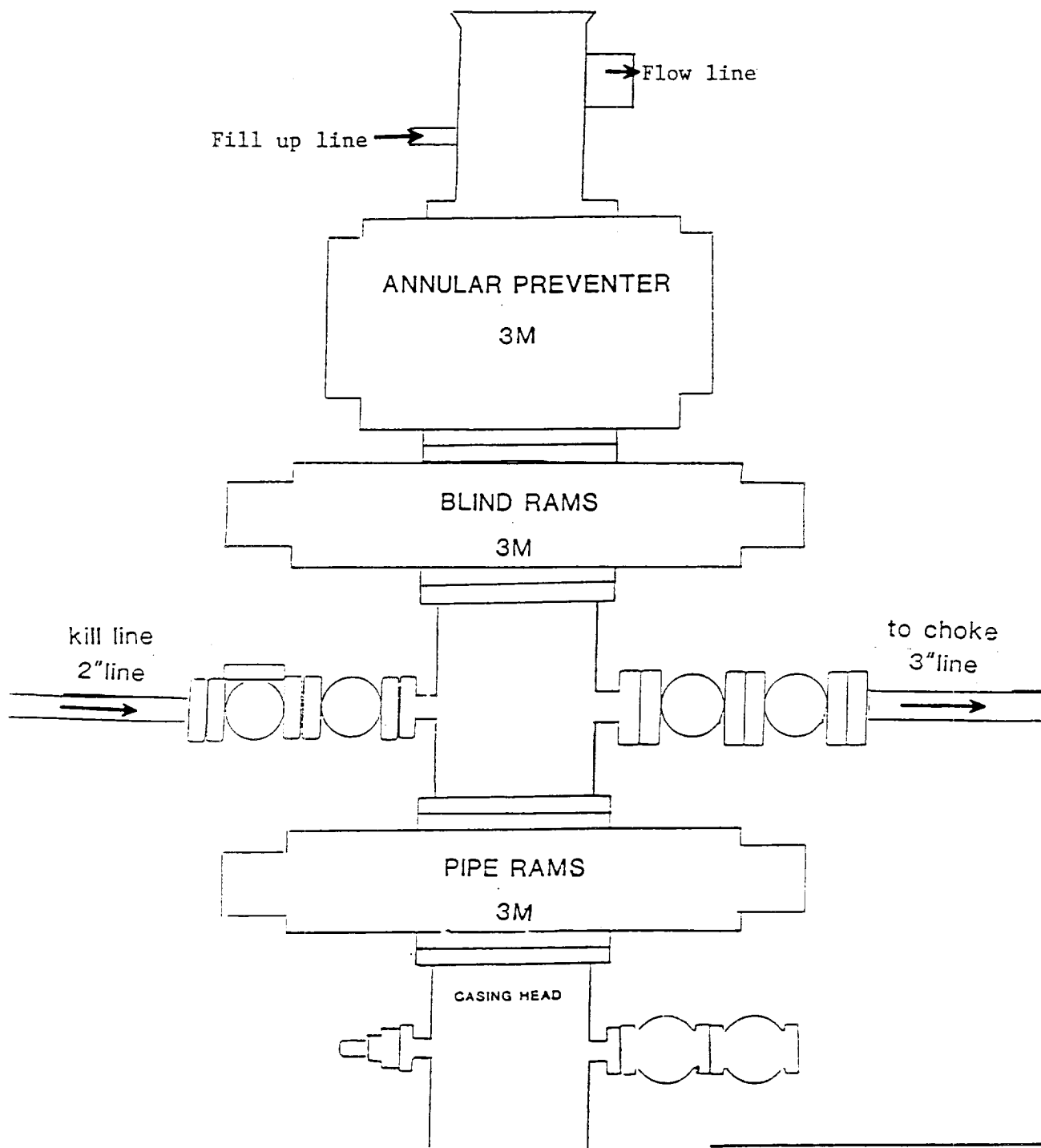
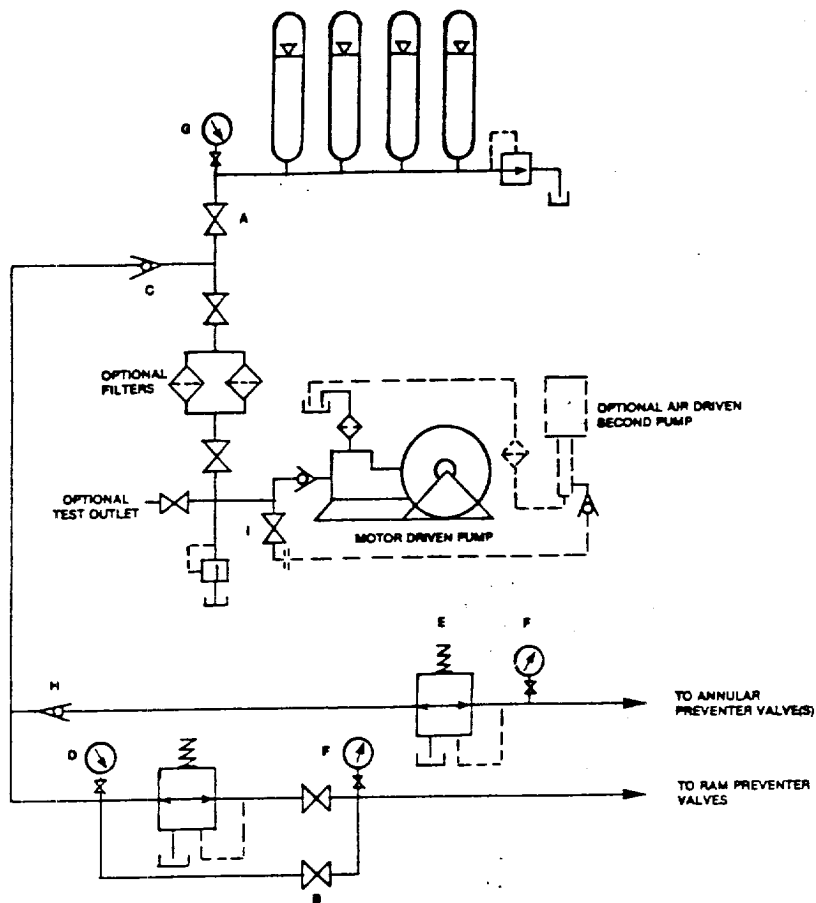


EXHIBIT "E"  
B.O.P. SKETCH TO BE USED ON

POGO PRODUCING COMPANY  
RED TANK "28" FEDERAL # 5  
UNIT "H" SECTION 28  
T22S-R32E LEA CO. NM



POGO PRODUCING CO  
3M CHOKE MANIFOLD

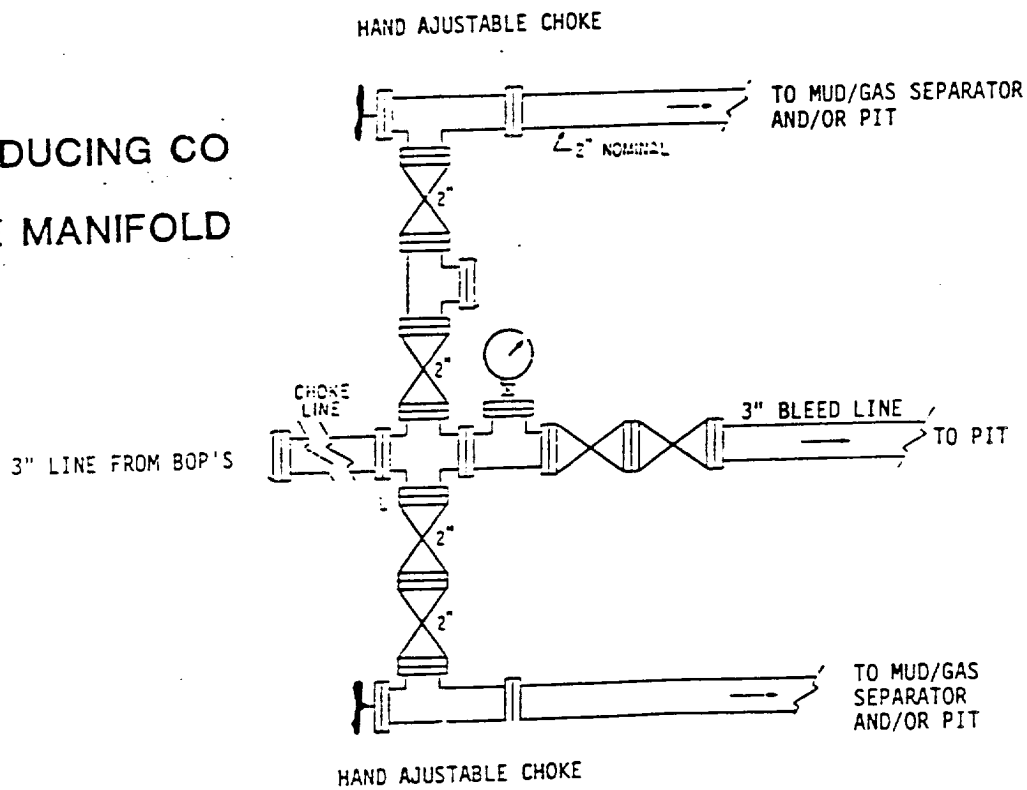


EXHIBIT "E-1"  
CHOKE MANIFOLD & CLOSING UNIT

POGO PRODUCING COMPANY  
RED TANK "28" FEDERAL # 5  
UNIT "H" SECTION 28  
T22S-R32E LEA CO. NM