(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

PLEASE EXPEDITE

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

H-06-40

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

Hobbs

OCD-ARTESIA

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [X] OTHER — SINGLE ZONE [XX] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
<17891>
POGO PRODUCING COMPANY (RICHARD WRIGHT 432-685-8140)

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 (432-685-8100)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1500' FSL & 1980' FEL SEC. 25 T26S-R34E LEA CO. NM Unit J
At proposed prod. zone SAME

CARLSBAD CONTROLLED WATER BASIN

5. LEASE DESIGNATION AND SERIAL NO.
NM-65441

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
<35755>
MADERA "25" FEDERAL # 3

9. API WELL NO.
30-025-37941

10. FIELD AND POOL, OR WILDCAT
JABALINA ATOKA-SOUTHWEST

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SECTION 25 T26S-R34E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 15 miles Southwest of Jal New Mexico

12. COUNTY OR PARISH: Lea EDDY CO. 13. STATE: NEW MEXICO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
1500'	1280	320
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
400'	15,700'	ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3199' 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"	Conductor	NA	40"	Cement to surface W/Redi-mix.
17½"	J-55 13 3/8"	54.5#	1050'	1000 Sx. Circulate cement
12¼"	N-80 9 5/8"	40 #	5200'	1400 Sx. " "
8½"	HCP 7"	29#	13,100'	1200 Sx. TOC 4000' from sur.
6 1/8"	P-110 5"	23.2 #	12,900-15,700'	350 Sx. cement to topof liner.

SEE ATTACHED SHEET FOR DETAIL

Received
Hobbs
OCD

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

Witness Surface 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 Joel T Janica TITLE Agent DATE 05/10/06

(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/ James Stovall Acting FIELD MANAGER DATE JUN 12 2006

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.

2. Drill 17½" hole to 1050'. Run and set 1050' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 1000 Sx. of Class "C" cement + ¼# Flocele/Sx. + 2% CaCl, circulate cement to surface.

3. Drill 12¼' hole to 5200'. Run and set 5200' of 9 5/8" 40# N-80 ST&C casing. Cement with 1400 Sx. of Class "C" cement + additives, circulate cement to surface.

4. Drill 8½" hole to 13,100'. Run and set 13,100' of 7" 29# HCP LT&C casing. Cement in two stages set DV Tool at 7000'±. Cement 1st stage with 800 Sx. of Class "H" Premium plus cement + additives, cement 2nd stage with 400 Sx. of Class "H" cement + additives, estimate top of cement 4000' from surface.

5. Drill 6 1/8" hole to 15,700'. Set a 2800' ultraflush joint liner from 12,900' to TD of 15,700'. Liner to be 5" 23.2# P-110 flush joint connections. Cement with 350 Sx. of Class "H" Premium Low water loss cement, cement to top of liner.

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease – 4 Copies
Fee Lease – 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-025-37944	79123	JABALINA ATOKA-SOUTHWEST (GAS)

Property Code	Property Name	Well Number
35755	MADERA 25 FEDERAL	3

OGRID No.	Operator Name	Elevation
017891	POGO PRODUCING COMPANY	3199'

Surface Location

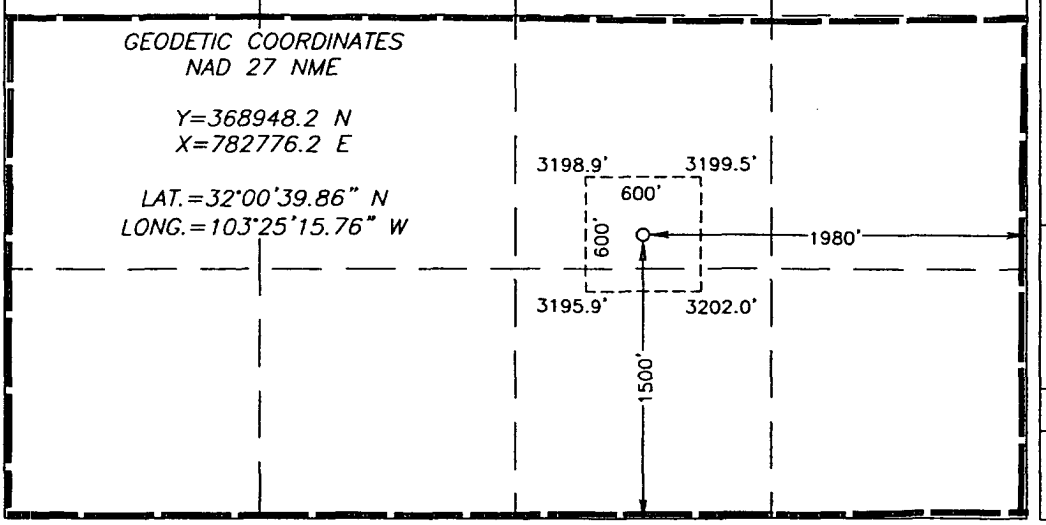
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	25	26-S	34-E		1500	SOUTH	1980	EAST	LEA

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.
320			

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 herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date

Joe T. Janica — 05/10/06

Printed Name

Agent

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.

ARPIL 7, 2006

Date Surveyed — MR

Signature & Seal of Professional Surveyor

Gary B. Eidson 4/12/06

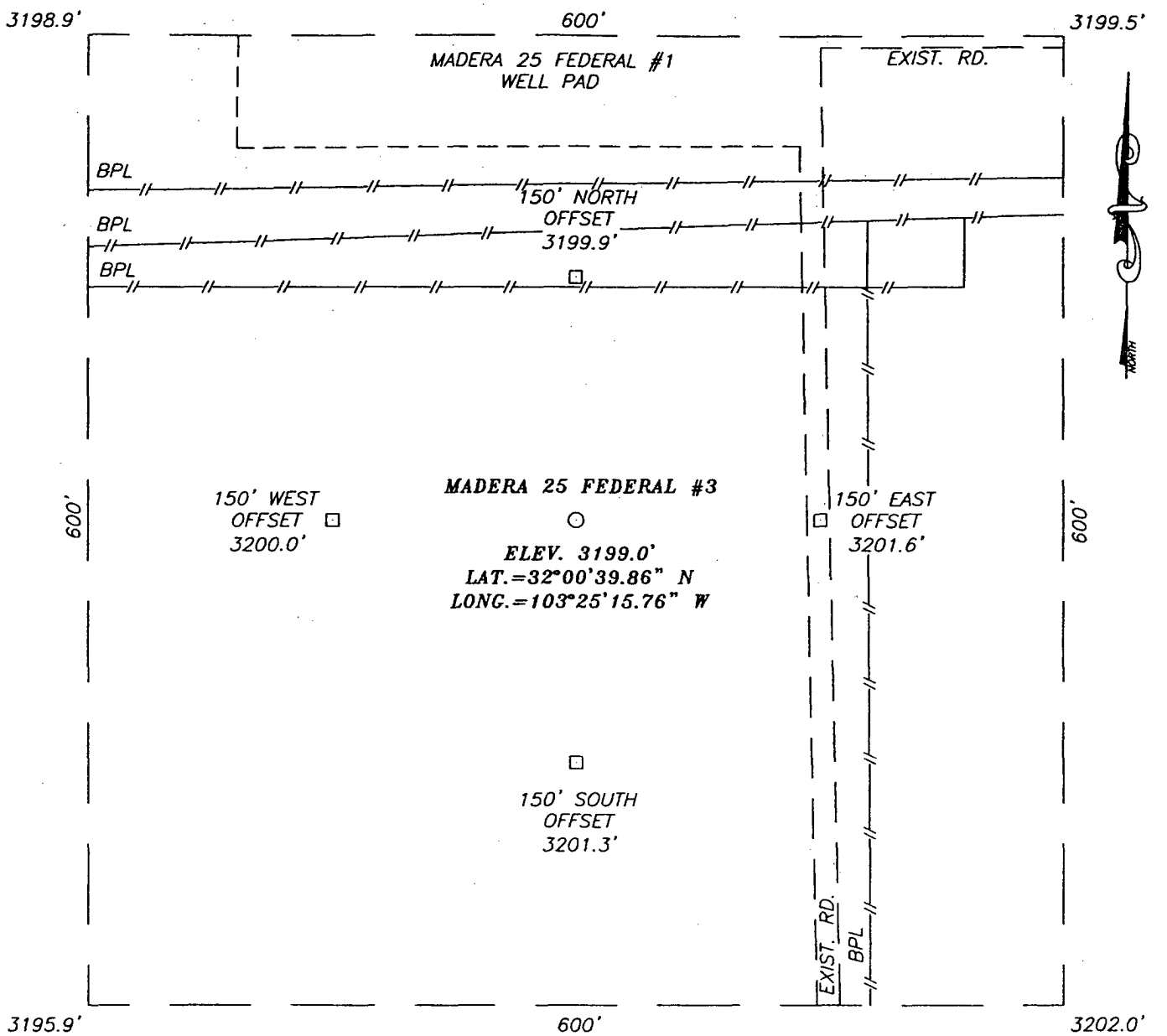
06.11.0610

Certificate No. GARY EIDSON — 12641

EXHIBIT "A"

SECTION 25, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M.,

LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CO. RD. #205 AND BECKHAM RD. (7 MILES SOUTHWEST OF JAL), GO WEST ON BECKHAM RD. APPROX. 2.4 MILES (GOING AROUND THE RANCH HOUSE). GO WEST APPROX. 3.0 MILES. TURN RIGHT AND GO NORTHWEST APPROX. 0.4 MILES. TURN LEFT AND GO WEST-NORTHWEST APPROX. 1.7 MILES. TURN RIGHT AND GO NORTH APPROX. 0.1 MILE. TURN LEFT AND GO WEST APPROX. 1.5 MILES (BY WIND MILLS RD.), TURN RIGHT AND GO NORTHWEST APPROX. 450 FEET (THROUGH TWO CATTLEGUARDS). TURN LEFT AND GO WEST APPROX. 0.5 MILES. TURN LEFT AND GO SOUTH APPROX. 1.1 MILES. TURN RIGHT AND GO WEST APPROX. 0.5 MILE TO THE MADERA 25 FEDERAL #1 WELL PAD. TURN LEFT AND GO SOUTH APPROX. 300 FEET. THIS LOCATION IS APPROX. 150 FEET WEST.

100 0 100 200 Feet

Scale: 1"=100'

PROVIDING SURVEYING SERVICES SINCE 1946

JOHN WEST SURVEYING COMPANY

412 N. DAL PASO

HOBBS, N.M. 88240

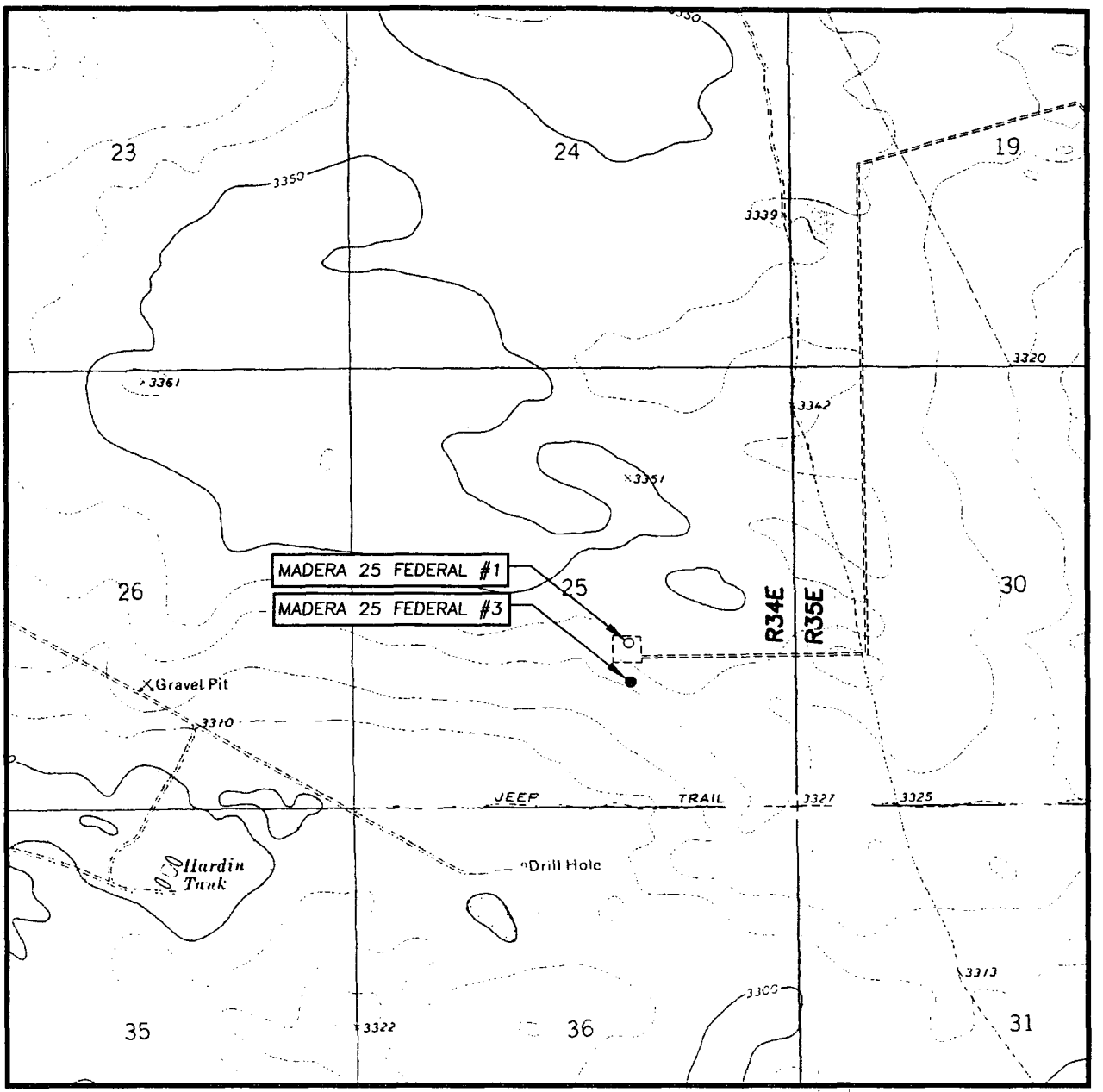
(505) 393-3117

POGO PRODUCING COMPANY

MADERA 25 FEDERAL #3
LOCATED 1500 FEET FROM THE SOUTH LINE
AND 1980 FEET FROM THE EAST LINE OF SECTION 25,
TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Survey Date: 04/07/06	Sheet 1 of 1 Sheets		
W.O. Number: 06.11.0610	Dr By: M.R.	Rev 1:N/A	
Date: 04/11/06	Disk: CD#6	06110610	Scale: 1"=100'

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
ANDREWS PLACE, N.M.–TX. – 10'

SEC. 25 TWP. 26–S RGE. 34–E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1500' FSL & 1980' FEL

ELEVATION 3199'

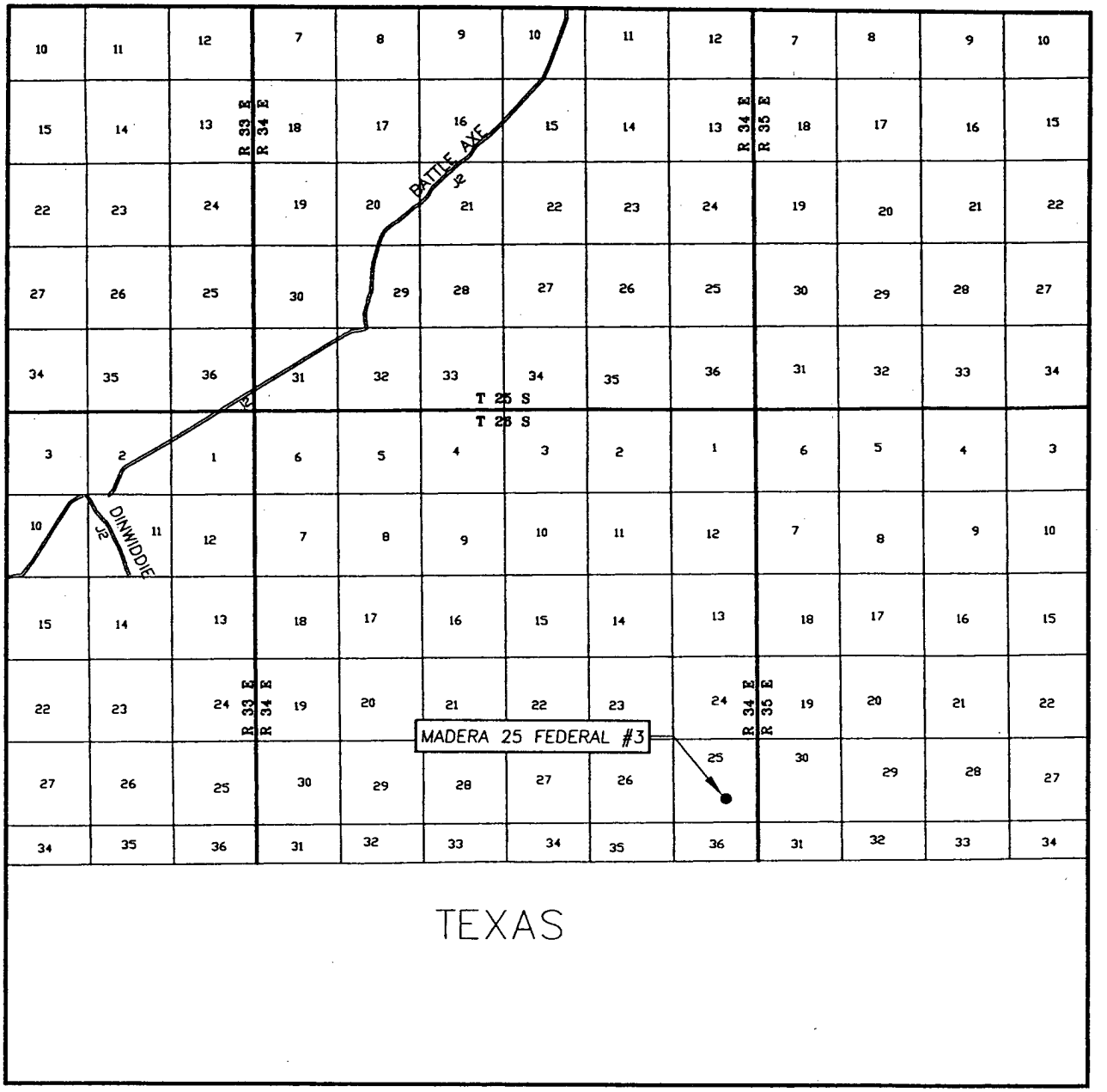
OPERATOR POGO PRODUCING COMPANY

LEASE MADERA 25 FEDERAL

U.S.G.S. TOPOGRAPHIC MAP
ANDREWS PLACE, N.M.–TX.

PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 25 TWP. 26-S RGE. 34-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1500' FSL & 1980' FEL

ELEVATION 3199'

OPERATOR POGO PRODUCING COMPANY

LEASE MADERA 25 FEDERAL

PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

APPLICATION TO DRILL

POGO PRODUCING COMPANY
MADERA "25" FEDERAL # 3
UNIT "J" SECTION 25
T26S-R34E LEA CO. NM

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is provided for your consideration.

1. Location: 1500' FSL & 1980' FEL SECTION 25 T26S-R34E LEA CO. NEW MEXICO.

2. Elevation above Sea Level: 3199' GR.

3. Geologic name of surface formation: Quaternery Aeolian Deposits.

4. Drilling tools and associated equipment: Conventional rotary drilling rig using drilling mud as a circulating medium for solids removal from hole.

5. Proposed drilling depth: 15,700'

6. Estimated tops of geological markers:

Rustler Anhydrite	950'	Strawn	14,683'
Delaware Lime	5385'	Atoka Lime	15,200'
Bone Spring	9480'	TD	15,700'
Wolfcamp	12,554'		

7. Possible mineral bearing formations:

Bone Spring	Oil.	Strawn	Gas
Wolfcamp	Gas	Atoka	Gas

8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
26"	0-40	20"	NA	NA	NA	Conductor
17½"	0-1050'	13 3/8"	54.5#	8-R	ST&C	J-55
12¼"	0-5200'	9 5/8"	40#	8-R	ST&C	N-80
8½"	0-13,100'	7"	29#	8-R	LT&C	HCP
6 1/8"	12,900-15,700	5"	23.2#	AB	Flush Joint	P-110

APPLICATION TO DRILL

POGO PRODUCING COMPANY
MADERA "25" FEDERAL # 3
UNIT "J" SECTION 25
T26S-R34E LEA CO. NM

9. CASING SETTING DEPTHS & CEMENTING:

20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
13 3/8"	Surface	Set 1050' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 1000 Sx. of Class "C" cement + 2% CaCl, + ¼# Flocele/Sx. circulate cement to surface.
9 5/8"	Intermediate	Set 5200' of 9 5/8" 40# N-80 ST&C casing. Cement with 1400 Sx. of Class "C" cement + additives, circulate cement to surface.
7"	2nd Intermediate	Set 13,100' of 7" 29# HCP LT&C casing. Cement in two stages, with DV Tool at 7000'±. Cement 1st stage with 800 Sx. of Class "H" premium plus cement + additives, cement 2nd stage with 400 Sx. of Class "H" cement + additives. Estimate top of cement 4000' from surface.
5"	Production Liner	Set 2800' of 5" 23.2# P-110 liner with ultra flush joint connections. Cement with 350 Sx. of Class "H" Premium low water loss cement + additives, cement to top of liner at 12,900'.

10. PRESSURE CONTROL EQUIPMENT:

Exhibit "E" shows a 5000 PSI working pressure B.O.P. to be nippled up on the 13 3/8" casing, consisting of bottom pipe rams, middle blind rams and top annular bag type preventor. Exhibit "E-1" shows a 5000 PSI choke manifold 3" with two hand adjustable choke outlets. This system will remain on the hole to 13,100'. Exhibit 'F" shows a 10M PSI B.O.P. to be nippled up on the 7" casing. B.O.P. consists of bottom pipe rams, middle bottom blind rams, middle top pipe rams, and bag type annular preventor. Exhibit "F-1" shows a 4" 10M PSI choke manifold with 1 hand controled choke and 1 hydraucally operated choke manifold with remote controled panel on rig floor.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE SYSTEM
40-1050'	8.4-8.7	29-34	NC	Fresh water spud mud, add paper to control seepage.
1050-5200'	10.0-10.2	29-38	NC	Brine water, use paper to control seepage and high viscosity sweeps to clean hole.
5200-13,100'	8.4-8.8	29-40	NC	Fresh water mud use high viscosity sweeps to clean hole fresh water Gel to control viscosity with a Dris-Pac system if WL is required.
13,100-15,700'	12.5-12.8±	32-40	NC*	Brine based mud with weighting material as required to control well and water loss control if necessary to run logs, casing and DST's, and to protect formation.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation or unexpected kicks. In order to run logs, DST's, and casing the water loss may have to be controled and also to prevent formation damage.

APPLICATION TO DRILL

POGO PRODUCING COMPANY
MADERA "25" FEDERAL # 3
UNIT "J" SECTION 25
T26S-R34E LEA CO. NM

12. LOGGING, CORING,AND TESTING:

A. Open hole logs will be run over the intervals that are determined by the Geologist. Types of logs run will be determined by the type fluid is in the hole at that time. Fluid caliper logs will be run to determine the volumes of cement required.

B. Mud logger will be rigged up on hole at 5200' and remain on hole to TD

C. DST's may be run and cores cut as shows dictate.

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. There is no known presence of H^2S in this area. If H^2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 8000± PSI, and Estimated BHT 220°±.

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operation and drilling is expected to take 65 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flowlines in order to place well on production.

15. OTHER FACETS OF OPERATIONS:

After running casing, cased hole Gamma Ray, Neutron Collar logs will be run from TD back to all possible productive zones. The Atoka formation will be perforated and stimulated in order to establish production. The well will be swab tested and potentialed as a gas well.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. All Company and Contract personnel admitted on location must be trained by a qualified H_2S safety instructor to the following:

   A. Characteristics of H_2S
   B. Physical effects and hazzards
   C. Proper use of safety equipment and life support systems.
   D. Principle and operation of H_2S 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_2S Detection and Alarm Systems

   A. H_2S detectors and audio alarm system to be located at bell nipple, end of blooie line (mud pit) and on derrick floor or doghouse.

3. Windsock and/or wind streamers

   A. Windsock at mudpit area should be high enough to be visible.
   B. Windsock at briefing area should be high enough to be visible.
   C. There should be a windsock 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_2S 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 telephonad will be available at most drilling foreman's trailer or living quarters.

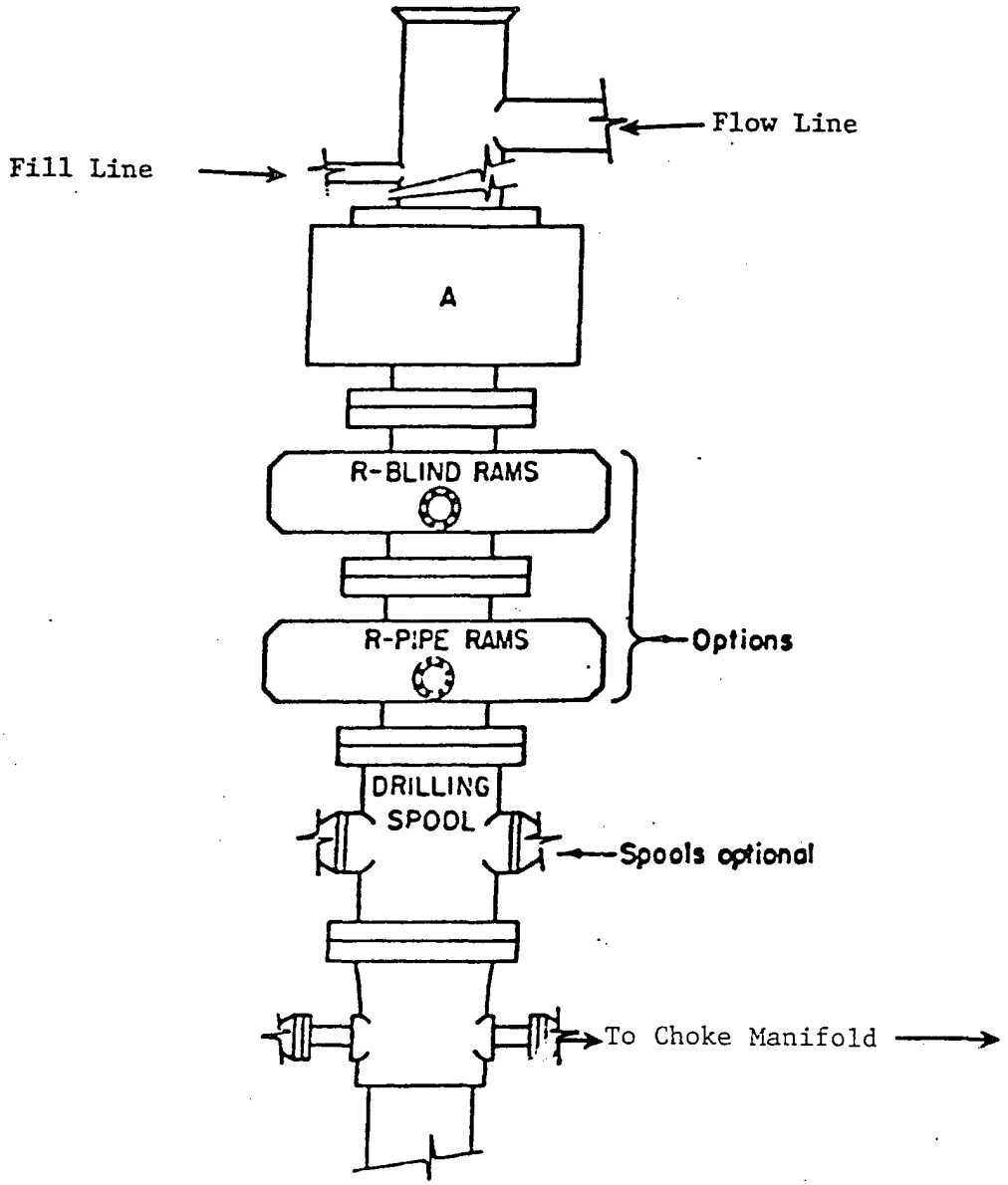
7. Drillstem Testing

   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_2S has on tubular goods and other mechanical equipment.

9. If H_2S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas seperator will be brought into service along with H_2S scavengers if necessary.



ARRANGEMENT SRRA

1500 Series

5000# Working Pressure

EXHIBIT "E"
5000 PSI WP
SKETCH OF B.O.P. TO BE USED ON

POGO PRODUCING COMPANY
MADERA "25" FEDERAL # 3
UNIT "J" SECTION 25
T26S-R34E LEA CO. NM

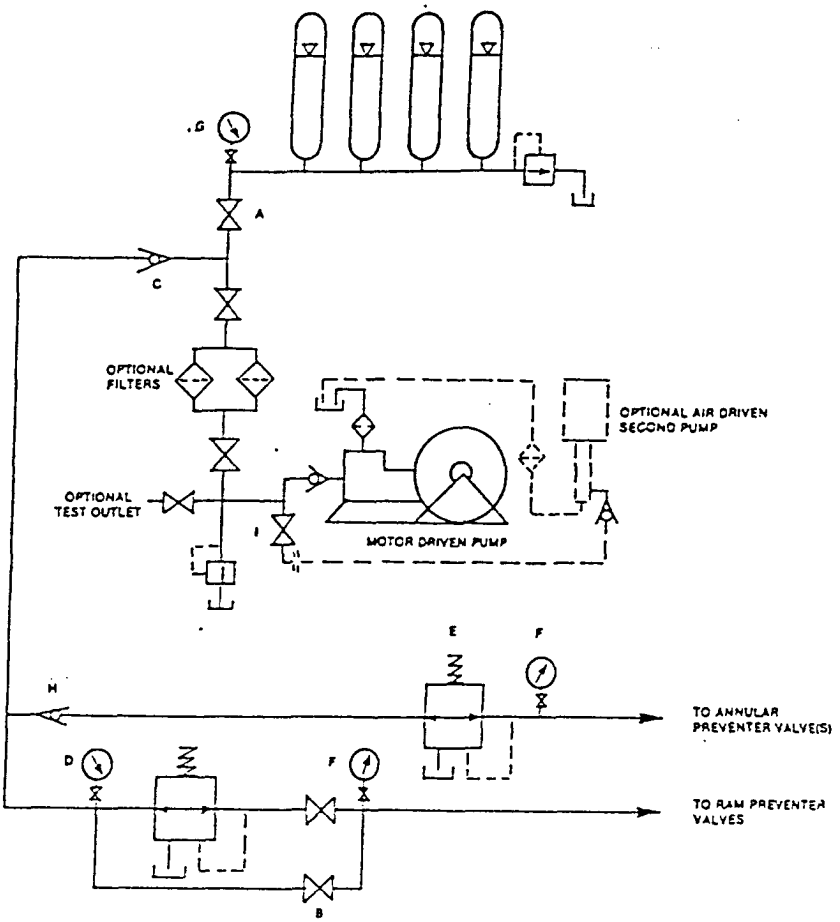


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

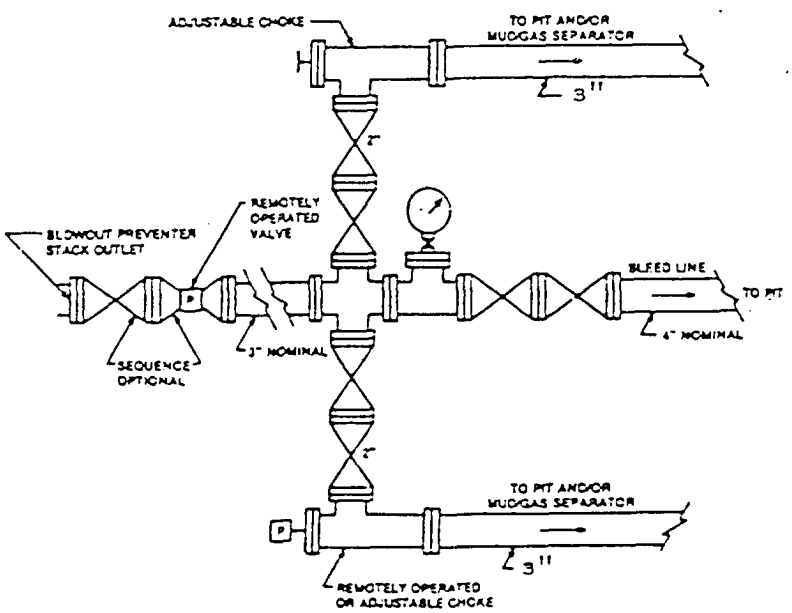


FIGURE K-2. Typical choke manifold assembly for 5M rated pressure service — surface installation.

EXHIBIT "E-1"
CHOKE MANIFOLD & CLOSING UNIT

POGO PRODUCING COMPANY
MADERA '25" FEDERAL # 3
UNIT "J" SECTION 25
T26S-R34E LEA CO. NM

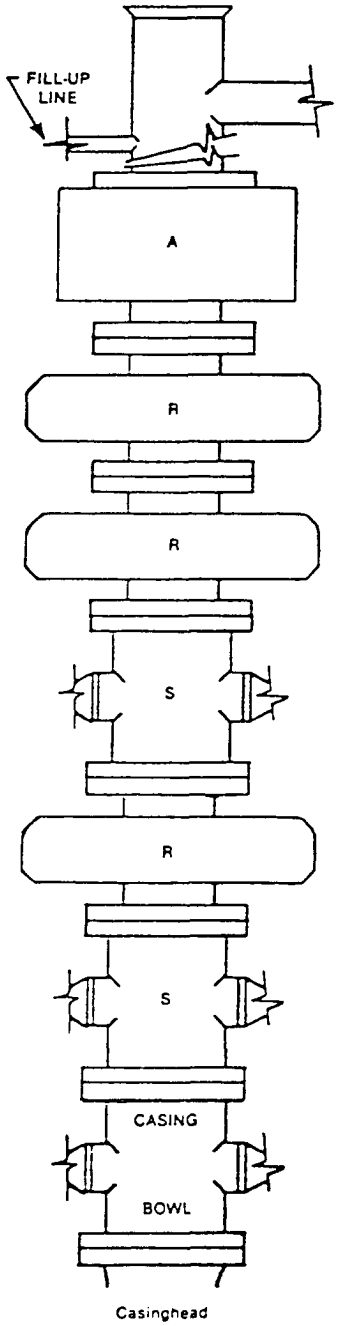


FIGURE K1-3. Recommended IADC Class 10 BOP stack arrangement SRSRRA, 10,000 psi WP. Lower drilling spool is optional with outlets on lower ram. Annular preventers 10,000 psi.

EXHIBIT "F"
10000 PSI WP
SKETCH OF B.O.P. TO BE USED ON

POGO PRODUCING COMPANY
MADERAL "25" FEDERAL # 3
UNIT "J" SECTION 25
T26S-R34E LEA CO. NM

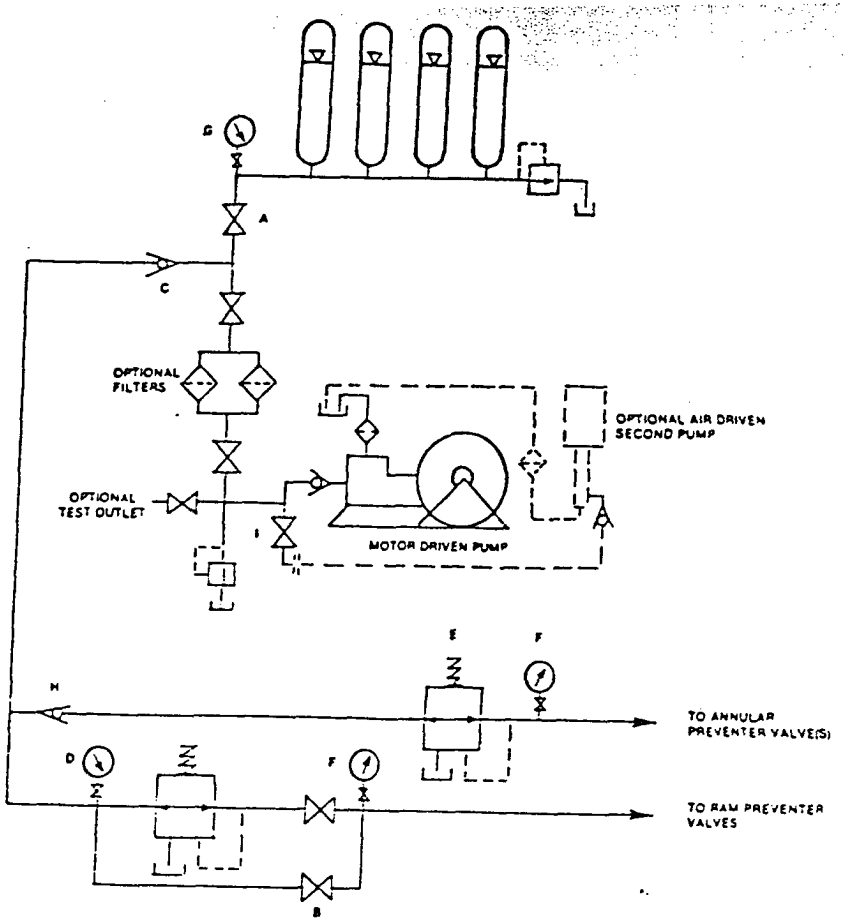
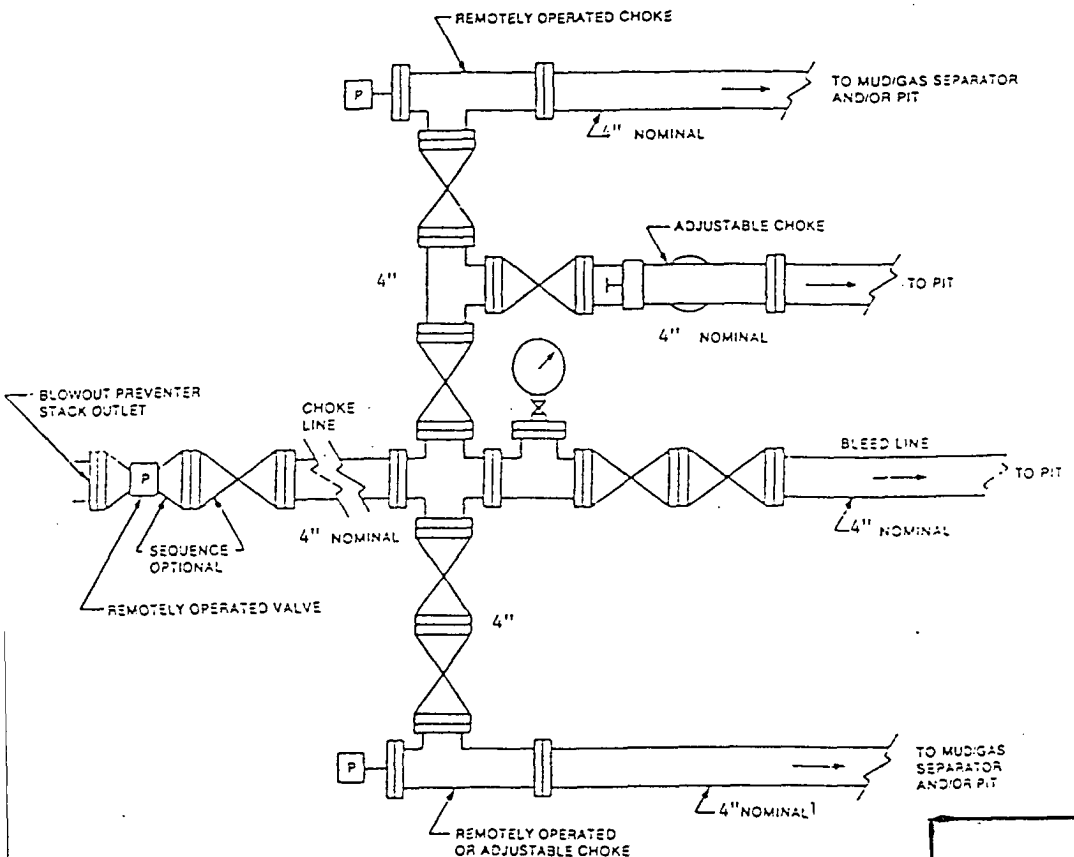


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.



TYPICAL CHOKE MANIFOLD ASSEMBLY FOR 10M & 15M PSI RATED WORKING PRESSURE SURFACE INSTALLATION.

EXHIBIT "F-1"
CHOKE MANIFOLD & CLOSING UNIT

POGO PRODUCING COMPANY
MADERA "25" FEDERAL # 3
UNIT "J" SECTION 25
T26S-R34E LEA CO. NM

CONDITIONS OF APPROVAL - DRILLING

Operator's Name: POGO PRODUCING COMPANY
Well Name & No. 3 – MADERA 25 FEDERAL
Location: 1500' FSL & 1980' FEL – SEC 25 – T26S – R34E – LEA COUNTY
Lease: NM-65441

I. DRILLING OPERATIONS REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell NM 88201, (505) 627-0272 for wells in Chaves and Roosevelt Counties; the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 234-5909 or (505) 361-2822 (After hours) - for wells in Eddy County; and the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612 for wells in Lea County, in sufficient time for a representative to witness:

A. Spudding

B. Cementing casing: 13-3/8 inch 9-5/8 inch 7 inch 5 inch liner

C. BOP tests

2 Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

3. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.

4. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.

II. CASING:

1. The 13-3/8 inch surface casing shall be set at **1050 feet**, below usable water and cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.

2. The minimum required fill of cement behind the 9-5/8 inch 1st intermediate casing is **circulate cement to the surface.**

3. The minimum required fill of cement behind the 7 inch 2nd intermediate casing is **tie back cement at least 200 feet into the 9-5/8 inch casing.**

4. The minimum required fill of cement behind the 5 inch production liner is **cement shall extend upward to the top of the liner at approximately 12900 feet.**

III. PRESSURE CONTROL:

1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the **13-3/8** inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.

2. Minimum working pressure of the blowout preventer and related equipment (BOPE) required for drilling the surface and 1st intermediate casing shall be **2000** psi. Minimum working pressure of the blowout preventer and related equipment (BOPE) required for drilling below the **9-5/8** inch casing to a depth of **13100** feet shall be **3000** psi. Minimum working pressure of the blowout preventer and related equipment (BOPE) required for drilling below the **7** inch casing to TD shall be **10000** psi.

3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the tests.
- The tests shall be done by an independent service company.
- The results of the test shall be reported to the appropriate BLM office.
- Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.
- Testing must be done in a safe workman-like manner. Hard line connections shall be required.
- BOPE must be tested prior to drilling into the **Wolfcamp** Formation by an independent service company.

IV. DRILLING MUD:

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** Formation, and shall be used until production casing is run and cemented. Monitoring equipment shall consist of the following:

1. Recording pit level indicator to indicate volume gains and losses.
2. Mud measuring device for accurately determining the mud volumes necessary to fill the hole during trips.
3. Flow-sensor on the flow line to warn of abnormal mud returns from the well.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
March 12, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: Pogo Producing Company Telephone: 432-685-8100 e-mail address: wrightc@pogoproducing.com
Address: P. O. Box 10340, Midland, TX 79702-7340
Facility or well name: Madera 25 Federal #3 API #: 30-025-37941 U/L or Qtr/Qtr J Sec 25 T 26S R 34E
County: Lea Latitude 32:00:39.86N Longitude 103:25:15.76W NAD: 1927 ☒ 1983 ☐ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Volume 16000 bbl	Volume: ____bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more X	(20 points) (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No X	(20 points) (0 points) 0
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more X	(20 points) (10 points) (0 points) 0
	Ranking Score (Total Points)	0

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: onsite ☐ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**
Date: 05/25/2006
Printed Name/Title Cathy Wright, Sr. Eng. Tech Signature Cathy Wright

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Date: 6/16/06
Printed Name/Title CHRIS WILLIAMS/DIST. SUPV Signature Chris Williams

JUN 16 2006

Water Resources

Data Category: Site Information | Geographic Area: New Mexico | go

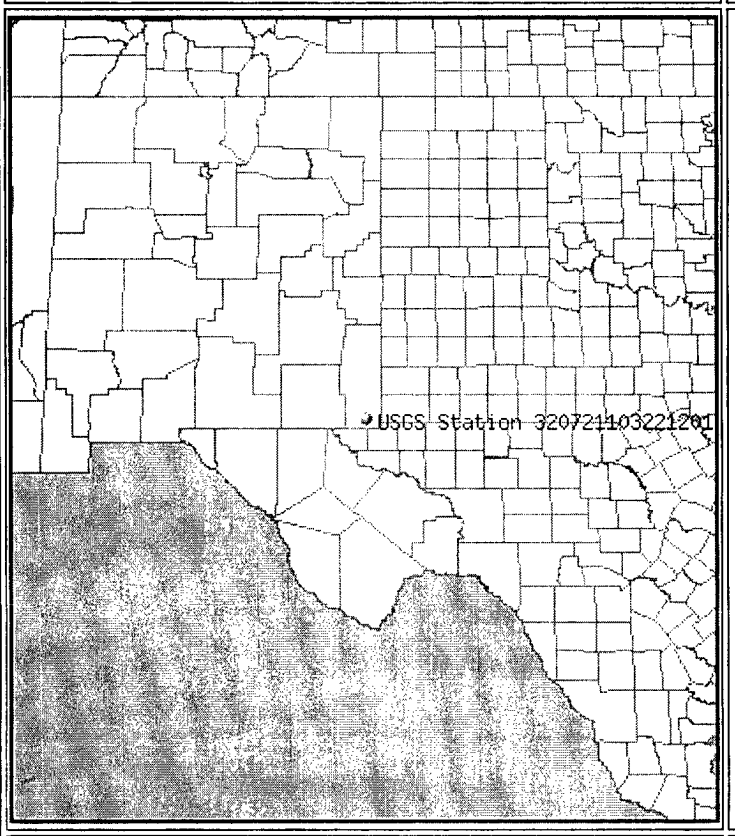
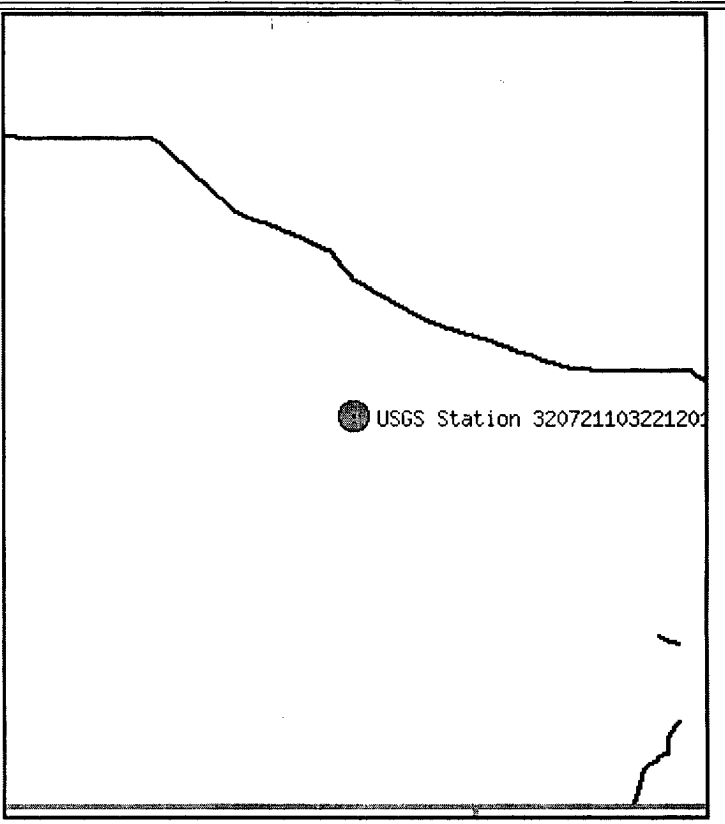
News: Available soon in NWISWeb

Site Map for New Mexico

USGS 320721103221201 25S.35E.21.122212

Available data for this site | site map | GO

Lea County, New Mexico
Hydrologic Unit Code
Latitude 32°07'21", Longitude 103°22'12" NAD27
Land-surface elevation 3,228.00 feet above sea level NGVD29
The depth of the well is 275 feet below land surface.
This well is completed in the SANTA ROSA SANDSTONE (231SNRS) local aquifer.

Location of the site in New Mexico.	Site map.
	
	ZOOM IN 2X, 4X, 6X, 8X, or ZOOM OUT 2X, 4X. 6X. 8X.

Maps are generated by US Census Bureau TIGER Mapping Service.

Questions about data New Mexico NWISWeb Data Inquiries
Feedback on this website New Mexico NWISWeb Maintainer

Top
Explanation of terms

NWIS Site Inventory for New Mexico: Site Map
http://waterdata.usgs.gov/nm/nwis/nwismap?

Retrieved on 2006-05-25 15:06:49 EDT

Water Resources

Data Category: Ground Water | Geographic Area: New Mexico | go

News: Available soon in NWISWeb

Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 320721103221201

Save file of selected sites to local disk for future upload

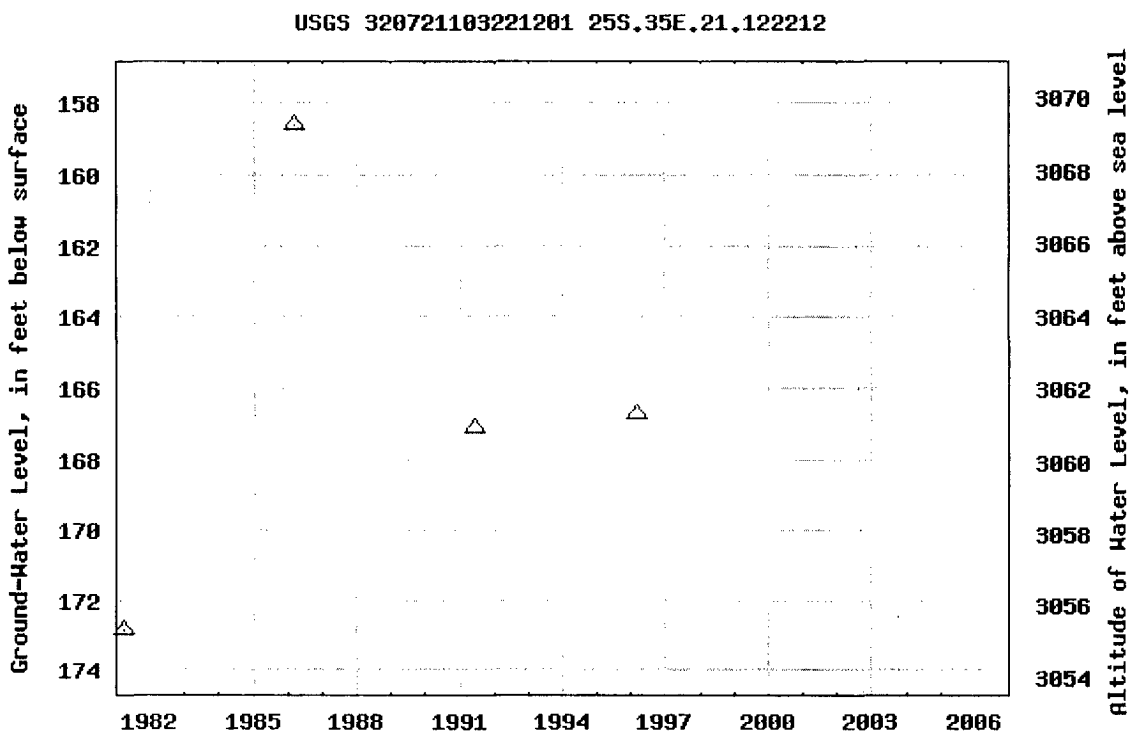
USGS 320721103221201 25S.35E.21.122212

Available data for this site: Ground-water: Levels | GO

Lea County, New Mexico
Hydrologic Unit Code
Latitude 32°07'21", Longitude 103°22'12" NAD27
Land-surface elevation 3,228.00 feet above sea level NGVD29
The depth of the well is 275 feet below land surface.
This well is completed in the SANTA ROSA SANDSTONE (231SNRS) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



Breaks in the plot represent a gap of at least one calendar year between two consecutive points.
Download a presentation-quality graph

Great Circle Calculator.

By Ed Williams

You need Javascript enabled if you want this page to do anything useful! For Netscape, it's under Options/Network Preferences/Languages.

Compute true course and distance between points.

Enter lat/lon of points, select distance units and earth model and click "compute". Lat/lons may be entered in DD.DD, DD:MM.MM or DD:MM:SS.SS formats.

Note that if either point is very close to a pole, the course may be inaccurate, because of its extreme sensitivity to position and inevitable rounding error.

Input Data

Lat1		Lon1	
32:00:39.86	N	103:25:15.76	W
Lat2		**Lon2**	
32:07:21	N	103:22:12	W

Output

Course 1-2	Course 2-1	Distance
21.2028102	201.22991(	7.17176475

Distance Units: nm Earth model: Spherical (1'=1nm)

Compute Reset

Compute lat/lon given radial and distance from a known point

Enter lat/lon of initial point, true course and distance. Select distance units and earth model and click "compute". Lat/lons may be entered in DD.DD, DD:MM.MM or DD:MM:SS.SS formats.

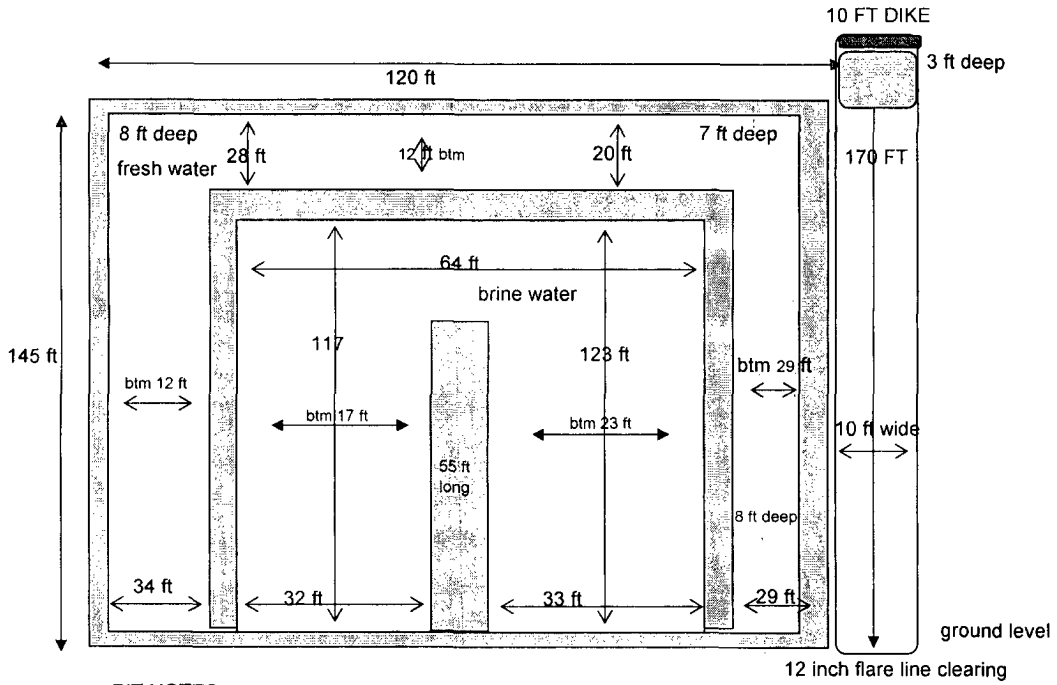
Note that the starting point cannot be a pole.

Input data

Lat1		Lon1	
0:00.00	N	0:00.00	W
Course 1-2		Distance 1-2	
360		0.0	

POGO Producing Company
Madera 25 Federal #3
Approximate Pit Dimensions

J/25/26S/34E, Lea County, New Mexico



PIT NOTES:

Pit will be lined with 12 mil Black plastic w/ UV protection.
Pit walls are 6 ft to 8 ft wide.
Pit is 8 ft deep below ground level plus 2 ft walls
Pit walls are 2 ft above ground level.
Caliches mined from pit used to make Well Pad.
Fresh Water volume to ground level = ± 7950 bbls
Brine Water volume to ground level = ± 7730 bbls
12 inch Flare line laid on gradual descending graded ROW away from rig to avoid fluid trapping
Fresh water well = (Nad 27) 32° 07' 21" N & 103° 22' 12" W "Published data"
This well produces from a depth greater than 100 ft.

Pit equals approx 16000 bbls