Form 3160-3
(July 1992)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

5-06-28

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: NM-107395
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME, WELL NO.: FOXGLOVE "29" FEDERAL #3 (133517)
9. API WELL NO.: 30-025-38520 (196193)
10. FIELD AND POOL, OR WILDCAT: BRINNINSTOOL-DELAWARE
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SECTION 29 T23S-R33E

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

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

2. NAME OF OPERATOR: POGO PRODUCING COMPANY (RICHARD WRIGHT 432-685-8140) (178917)

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: 1650' FSL & 330' FEL SECTION 29 T23S-R33E LEA CO.
At proposed prod. zone: SAME

CARLSBAD CONTROLLED WATER BASIN Unit I

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

12. COUNTY OR PARISH: LEA 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
330'	600	40
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**
1400'	9200'	ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3675' 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
26"	Conductor 20"	NA	40'	Cement to surface W/Redi-mix.
17½"	H-40 13 3/8"	48#	750'	850 Sx. circulate cement
11"	I-80,J-55 8 5/8"	32#	4950'	1600 Sx. " "
7 7/8"	J-55 5½"	17#	9200'	1500 Sx. est.top of cement 4200'

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 750'. Run and set 750' of 13 3/8" 48# H-40 ST&C casing. Cement with 850 Sx. of Class "C" cement + additives, circulate cement to surface.
3. Drill 11" hole to 4950'. Run and set 4950' of 8 5/8" casing as follows: 450' of 8 5/8" I-80 32# ST&C, 4500' of 8 5/8" 32# J-55 ST&C casing. Cement with 1600 Sx. of Class "C" cement + additives, circulate cement to surface.
4. Drill 7 7/8" hole to 9200'. Run and set 5½" casing as follows: 3200' of 5½" 17# J-55 LT&C, 5000' of 5½" 15.5# J-55 LT&C, 1000' of 5½" 17# J-55 LT&C.

NATION WIDE BOND WYB-000238

Witness Surface & Intermediate 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 Joe T. Janica TITLE Agent DATE 07/15/06

(This space for Federal or State office use)

PERMIT NO. Chris Williams APPROVAL DATE 10/11/06

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS 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 conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

ACTING

APPROVED BY /s/ James Stovall TITLE FIELD MANAGER DATE SEP 22 2006

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

POGO PRODUCING COMPANY

April 15, 2006

Bureau of Land Management
Carlsbad Resources Area Headquarters
Attn: Duncan Whitlock
620 East Greene Street
Carlsbad, New Mexico 88220-6292

VIA FACSIMILE (505) 885-9264
AND U.S. MAIL

Re: BRINNINSTOOL PROSPECT
Lea County, New Mexico
FOXGLOVE 29 FEDERAL № 3 WELL
1,650' FSL and 330' FEL Section 29
T-23-S, R-33-E, N.M.P.M.

Gentlemen:

Please be advised that on August 10, 2006, Pogo Producing Company, as Operator, and Chris Brininstool, Trustee of the William H. Brininstool Trust, surface owner, did agree upon terms and conditions concerning surface use and damages in connection with the captioned well.

Should you have any questions regarding this matter, please do not hesitate to contact our office.

Very truly yours,

POGO PRODUCING COMPANY

R. Scott McDaniel

R. Scott McDaniel
District Landman DKR

RSM/dkr

F:\WorkGroups\Land\Prospects\Brinninstool\BLM-Foxglove29Fed#3(060815).doc

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
30-025-38520	96193	BRINNINSTOOL-DELAWARE

Property Code	Property Name	Well Number
33531	FOXGLOVE 29 FEDERAL	3

OGRID No.	Operator Name	Elevation
017891	POGO PRODUCING COMPANY	3675'

Surface Location

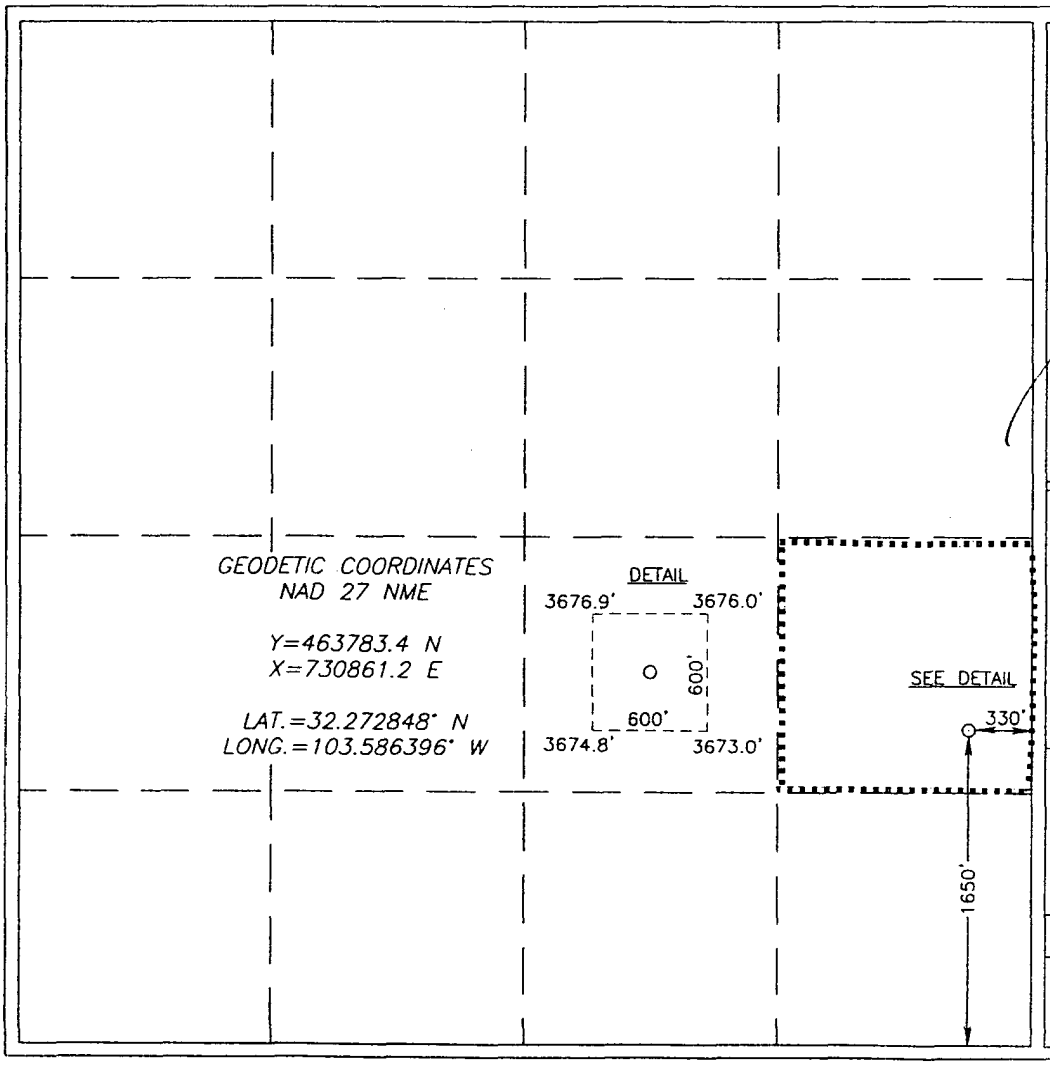
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	29	23-S	33-E		1650	SOUTH	330	EAST	LEA

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	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



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.

Joe T. Janica
Signature

07/15/06
Date

Joe T. Janica
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.

JUNE 22, 2006
Date Surveyed LA

Signature & Seal of Professional Surveyor

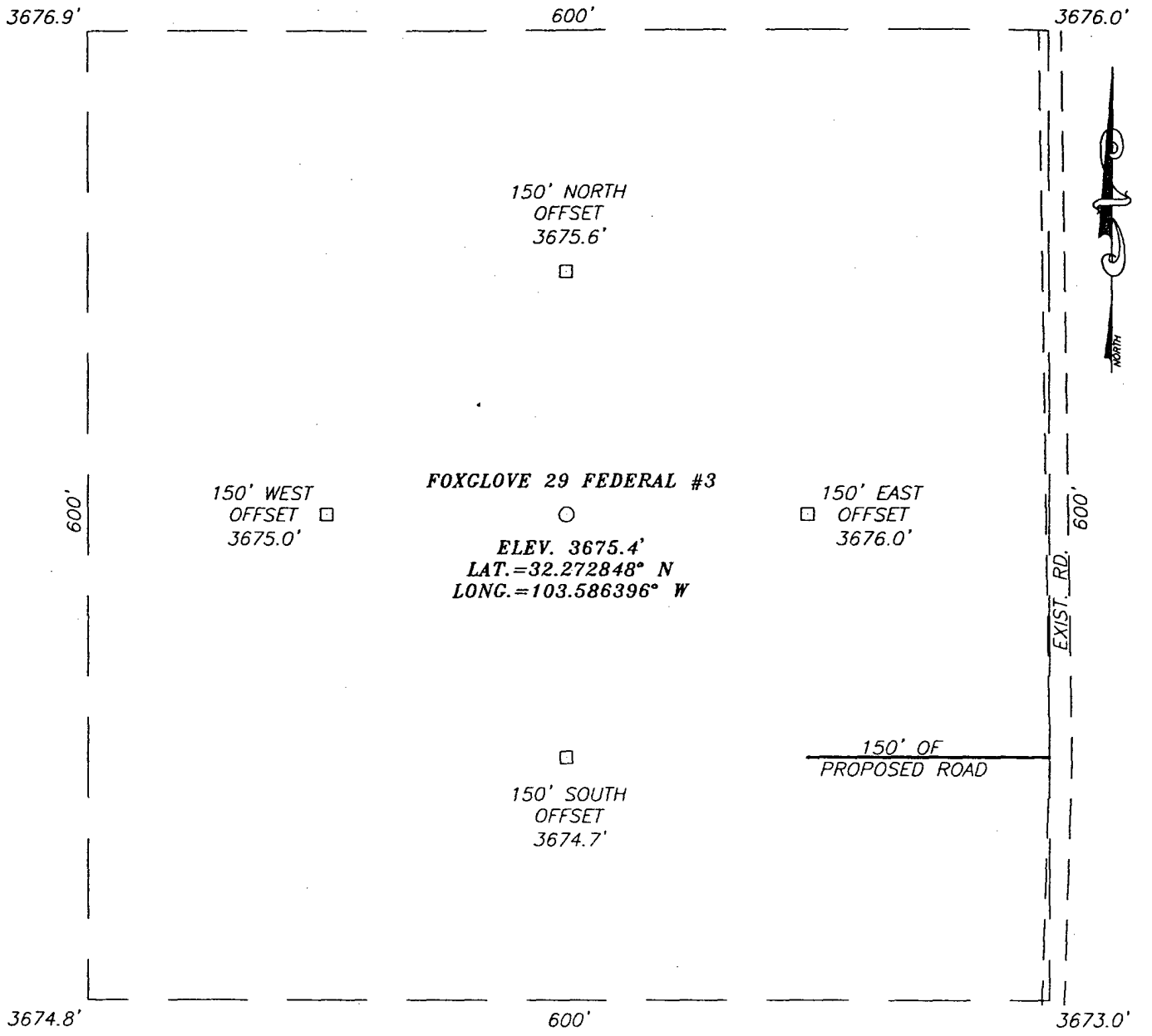
Ronald J. Eidson 6/26/06

06.11.1069

Certificate No. GARY EIDSON 12641
RONALD EIDSON 3239

SECTION 29, TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.,

LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF DELAWARE BASIN RD. AND BRINNINSTOOL RANCH ROAD, GO WEST ON RANCH ROAD FOR APPROX. 4.6 MILES. TURN RIGHT AND GO NORTH AT EXISTING TRAIL ROAD AND GO APPROX. 0.3 MILES. THIS LOCATION IS WEST OF TRAIL ROAD APPROX. 300 FEET.

100 0 100 200 Feet

Scale: 1"=100'

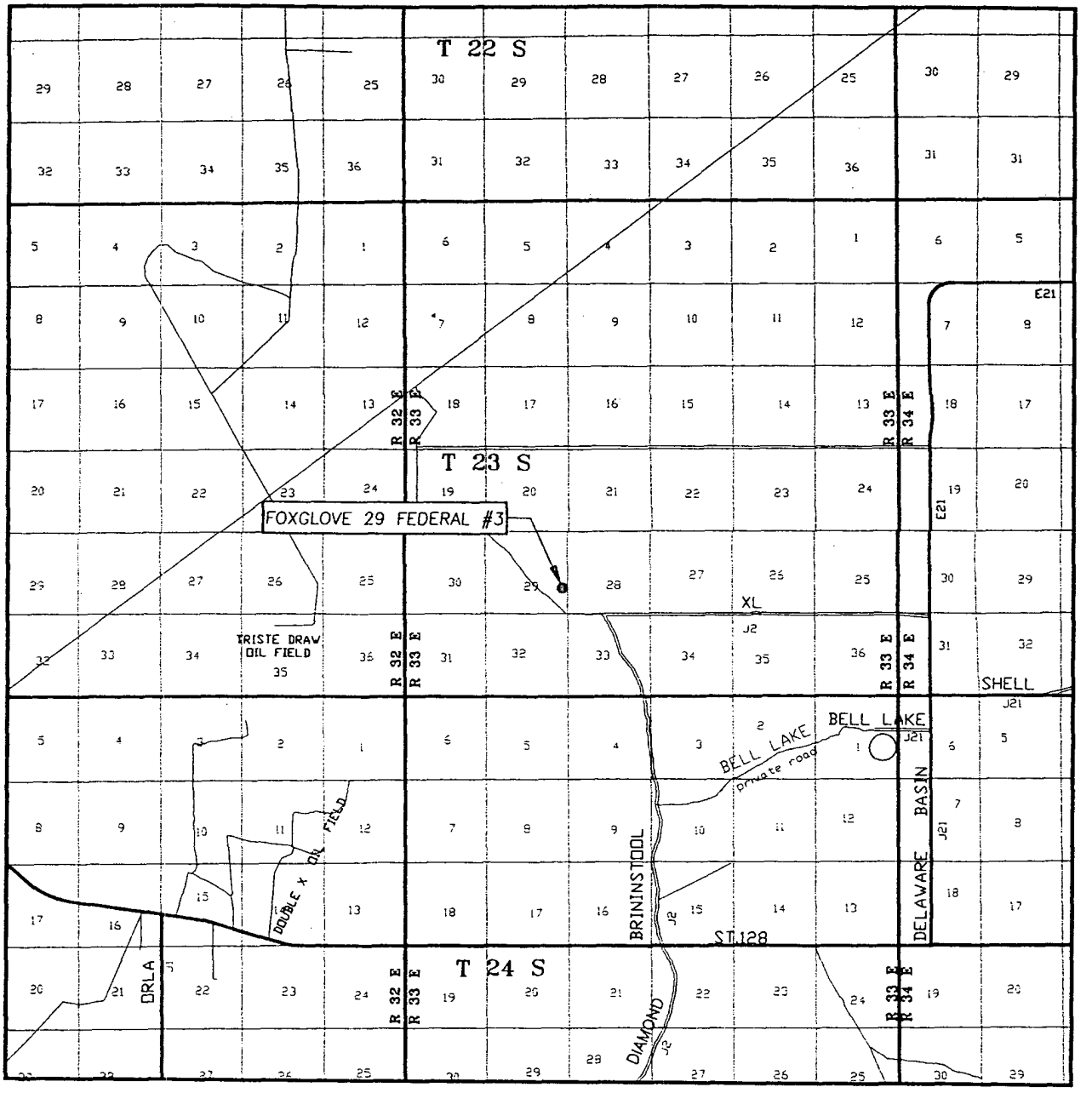
POGO PRODUCING COMPANY

FOXGLOVE 29 FEDERAL #3 WELL
LOCATED 1650 FEET FROM THE SOUTH LINE
AND 330 FEET FROM THE EAST LINE OF SECTION 29,
TOWNSHIP 23 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Survey Date: 6/22/06	Sheet 1 of 1 Sheets		
W.O. Number: 06.11.1069	Dr By: LA		Rev 1:N/A
Date: 6/26/06	Disk: CD#5	06111069	Scale: 1"=100'

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. 29 TWP. 23-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1650' FSL & 330' FEL

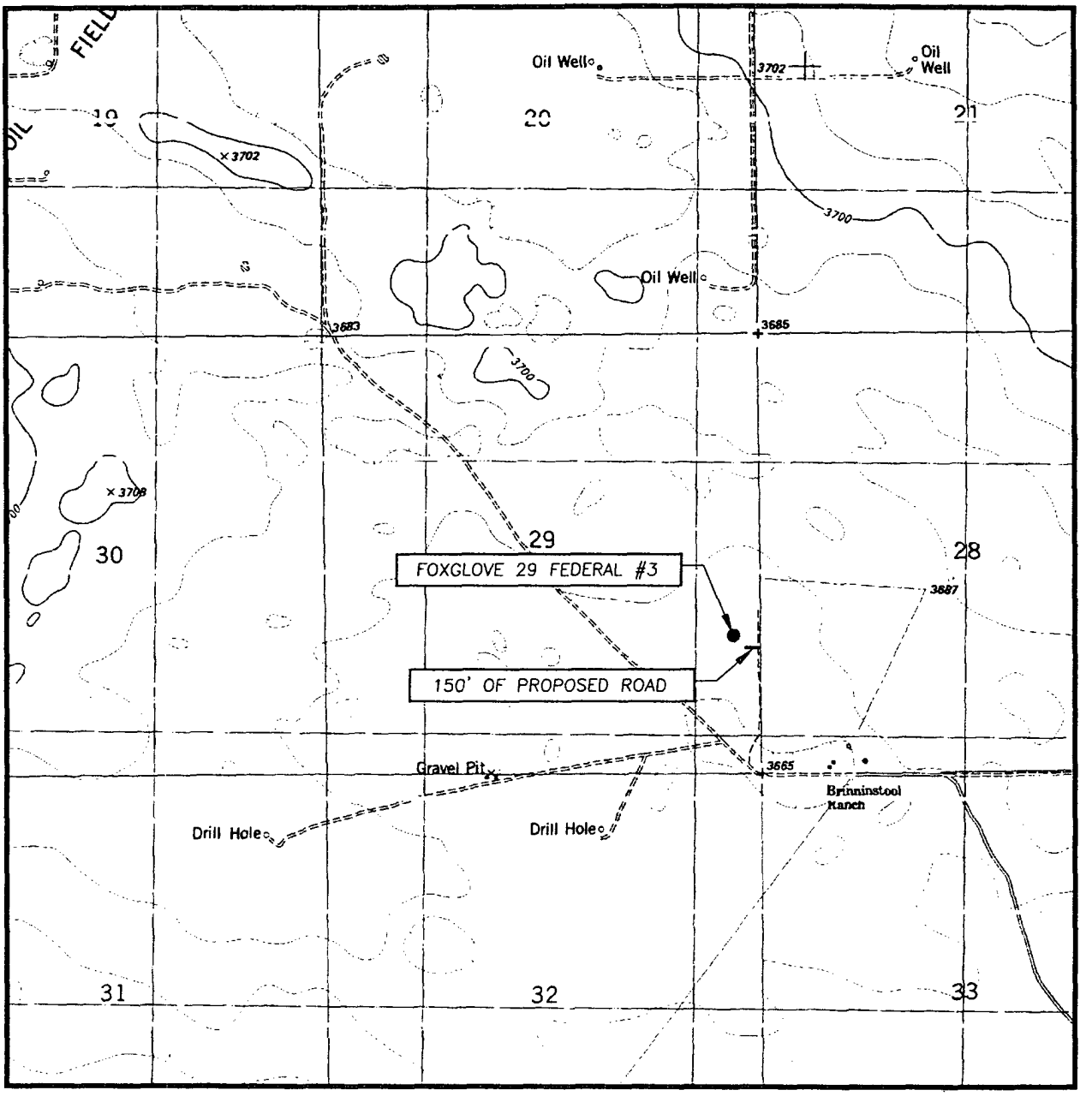
ELEVATION 3675'

OPERATOR POGO PRODUCING COMPANY

LEASE FOXGLOVE 29 FEDERAL

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
TIP TOP WELLS, N.M. – 10'

SEC. 29 TWP. 23-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1650' FSL & 330' FEL

ELEVATION 3675'

OPERATOR POGO PRODUCING COMPANY

LEASE FOXGLOVE 29 FEDERAL

U.S.G.S. TOPOGRAPHIC MAP
TIP TOP WELLS, N.M.

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
FOXGLOVE "29" FEDERAL #3
UNIT "I" SECTION 29
T23S-R33E LEA CO. NM

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

1. LOCATION: 1650' FSL & 330' FEL SECTION 29 T23S-R33E LEA CO. NM

2. ELEVATION ABOVE SEA LEVEL: 3675' 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: 9200'

6. ESTIMATED TOPS OF GELOOGICAL MARKERS:

Rustler Anhydrite	1200'	Cherry Canyon	5997'
Basal Anhydrite	4874'	Manzanita	6278'
Delaware Lime	5130'	Brushy Canyon	7368'
Bell Canyon	5162'	Bone Spring	8972'

7. POSSIBLE MINERAL BEARING FORMATION:

Brushy Canyon	oil
Bone Spring	oil

8. CASING PROGRAM:

Hole Size	Interval	OD of Casing	Weight	Thread	Collar	Grade
26"	0-40'	20"	NA	NA	NA	Conductor
17½"	0-750'	13 3/8"	48#	8-R	ST&C	H-40
11"	0-4950'	8 5/8"	32#	8-R	ST&C	J-55
7 7/8"	0-9200'	5½"	15.5# 17 #	8-R	LT&C	J-55

Witness Surface & Intermediate Casing

APPLICATION TO DRILL

POGO PRODUCING COMPANY
FOXGLOVE "29" FEDERAL #3
UNIT "I" SECTION 29
T23S-R33E LEA CO. NM

9. CEMENTING & CASING SETTING DEPTHS:

20"	Conductor	Set 40' of 20" coneuctor pipe and cement to surface with Redi-mix
13 3/8"	Surface	Set 750' of 13 3/8" 48# H-40 ST&C casing. Cement with 800 Sx. of Class "C" cement + 2% CaCl, + ¼# Flocele/Sx. circulate cement to surface.
8 5/8"	Intermediate	Set 4950' of 8 5/8" casing as follows: 450' of 8 5/8" 32# I-80 ST&C, 4500' of 8 5/8" 32# J-55 ST&C casing. Cement with 1600 Sx. of Class "C" Light Weight cement + additives, Circulate cement to surface.
5½	Production	Set 9200' of 5½" casing as follows: 3200' of 5½" 17# J-55 LT&C, 5000' of 5½" 15.5# J-55 LT&C, 1000' of 5½" 17# J-55 LT&C casing. Cement with 1500 Sx. of Class "C" cement + additives, estimate top of cement 4200' FS.

10. PRESSURE CONTROL EQUIPMENT:

Exhibit "E" shows a 2000 PSI working pressure B.O.P., consisting of a stripper heas instead of an annular preventor, blind rams, and pipe rams. This B.O.P. stack is being used because of Substructure height limitations of the drilling rig being used to drill this well. Pressures encountered during drilling are not expected to exceed 3800 PSI at total depth. Pogo requests permission to 3rd party test of the B.O.P., after settingintermediate casing at 4950'. The B.O.P. will be tested acccording to API soecifications. Exhibit "E-1" shows a manually operated choke manifold, as no remote B.O.P. equipment will be necessary.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE MUD
40-750'	8.4-8.7	29-30	NC	Fresh water Spud Mud add paper to control seepage.
750-4950'	10.0-10.2	29-38	NC	Brine water add paper to control seepage and use high viscosity sweeps to clean hole.
4950-9200'	8.4-8.7	29-40	NC*	Fresh water use Fresh water Gel to control viscosity, use high viscosity sweeps to clean hole, if water loss becomes necessary go to a Polymer system.

* Water loss control may be necessary in order to run logs, DST's, Cores, and casing.

* Water loss control may be necessary in order to run logs, casing, cores, and DST's if so go to Polymer mud system.

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

APPLICATION TO DRILL

POGO PRODUCING COMPANY
FOXGLOVE "29" FEDERAL #3
UNIT "I" SECTION 29
T23S-R33E LEA CO. NM

12. LOGGING, CORING, AND TESTING PROGRAM:

A. Open hole logs: Dual Induction, SNP, LDT, MSFL, Caliper, Gamma Ray from TD back to the 8 5/8" casing shoe.

B. Cased hole log: Gamma Ray, Neutron from 8 5/8" casing shoe to the surface, run cased hole correlation log after production casing is run.

C. Mud logger will be rigged up on the hole after the 8 5/8" casing is run.

D. No cores or DST's are planned at this time.

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 3800 PSI, and Estimated BHT 180°.

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 25 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 Bone Spring formation will be perforated and stimulated in order to establish production. The well will be swab tested and potentialed 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_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 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.

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.

SURFACE USE PLAN

POGO PRODUCING COMPANY
FOXGLOVE "29" FEDERAL #3
UNIT "I" SECTION 29
T23S-R33E LEA CO. NM

1. EXISTING ROADS: Area roads, Exhibit "B" is a reproduction of a County General Hiway Map. Exhibit "C" is a reproduction of a USGS Topographic Map, showing exixting roads and proposed roads. All existing roads will be maintained in a condition equal to or better than current conditions. Any new roads will be constructed to BLM specifications.

   A. Exhibit "A" shows the proposed well site location as staked.

   B. From Eunice New Mexico go South to the junction with Delaware Basin Road turn Right (West) follow Delaware Basin Road to the junction with State Hi-way 128 Turn Right (West), go 3.3± miles to turn Right (North) go 4± miles bear Left go the front of ranch house bear Right and follow caliche road .6± miles bear Right go past well #2 continue for .35 miles to location on the West side of road.

   C. Exhibit "C" shows the proposed flowlines, powerlines and road up grades.

2. PLANNED ACCESS ROADS: Up grade trail road for approximately .3 miles.

   A. The access road will be crowned and ditched to a 12' wide travel surface with a 40' Right-of-Way.

   B. Gradient on all roads will be less than 5%.

   C. Turnouts will be constructed as required or as directed by the BLM.

   D. If needed roads will be surfaced with a minimum of 4" of caliche. This material will be obtained from a local source.

   E. Center line for the new access road has been staked and flagged. Earthwork will be done as required by field and topographic conditions.

   F. Colverts in the access road will be used where necessary. The road will be constructed to utilize low water crossings for drainage as dictated by the topography.

3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS SHOWN ON EXHIBIT "A-1".

   A. Water wells - One approximately .4 miles Southeast of well
   B. Disposal wells - None known
   C. Drilling wells - None known
   D. Producing wells - As shown on Exhibit "A-1"
   E. Abandoned wells - As shown on Exhibit "A-1"
   F. Injection wells - None known

4. If on completion this well is a producer the operator will lay pipelines and construct powerlines along existing road R-O-W's or other existing R-O-W's. Exhibit "C" shows proposed routes of roads, flowlines and powerlines.

5. LOCATION AND TYPE OF WATER SUPPLY:

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

6. SOURCE OF CONSTRUCTION MATERIAL:

If possible construction material will be obtained from the excavation of drill site, if additional material is needed it will be obtained from a local source and transported over the access roads as shown on Exhibit "C".

7. METHODS OF HANDLING WASTE MATERIAL:

A. Drill cuttings will be disposed of in the reserve pits.

B. All trash, junk and other waste material will be contained in trash cages or trash bins to prevent scattering. When the job is completed all contents will be removed and disposed of in a approved sanitary land fill.

C. Salts remaining after completion of well will be picked up by the supplier, including broken sacks.

D. Waste water from living quaters will be drained into holes with a minium of 10'. These holes will be covered during drilling and will be back filled when the well is completed. A Porto-John will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.

E. Remaining drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry enough to be broken out for furthed drying. If the drilling fluids do not evaporate in a reasonable time they will be hauled off by transports to a state approve disposal site. Later pips will be broken out to speed drying. Water produced during completion will be put in reserve pits. Oil and condensate produced will be put in storage tanks and sold.

8. ANCILLARY FACILITIES:

A. No camps or air strips will be constructed on location.

9. WELL SITE LAYOUT:

A. Exhibit "D" shows the proposed well site layout.

B. This Exhibit shows the location of reserve pit, sump pits, and living facilities.

C. Mud pits in the active circulating system will be steel pits and the reserve pits will be unlined unless subsurface conditions encontered during pit construction indicate that a plastic liner is required to contain lateral migration.

D. If needed the reserve pits will be lined with polyethelene. The pit liner will be no less than 6 mils thick and the liner will be extended at least 3 feet over the top of the dikes and secured in place to keep edge of liner in place.

E. The reserve pit will be fenced on three sides and fenced with four strands of barbed wire during drilling and completionphases. The 4th side will be fenced after drilling operations are complete and the drilling rig has moved out.If the well is a producer the mud pits will remain fenced in until the mud has dried up enough to break out the pits and reclaimed according to BLM requirements.

10. PLANS FOR RESTORATION OF SURFACE:

Rehabilitation of the location and reserve pits will be allowed to dry properly, fluids may be moved and disposed of in accordance with article 7-E 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 furture erosion. In case of the well completed as a producer the drilling pad will be necessary to construct production facilities. After the area has been shaped and contoured top soil from the spoil pile will be placed over the disturbed area to the extent possible so that revegetation procedures can be accomplished to comply with the BLM specifications.

If the well is a dry hole the pad and road area will be contoured to match the existing terrain. Top soil will be spread to the extent possible and revegetation will be carried out according to the BLM specifications.

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

SURFACE USE PLAN

POGO PRODUCING COMPANY
FOXGLOVE "29" FEDERAL #3
UNIT "I" SECTION 29
T23S-R33E LEA CO. NM

11. OTHER INFORMATION:

A. Topography consists of low lying sand dunes with a slight dip to the West. The deep sandy soil supports shinnery oak, native grasses, and an occasional mesquite tree.

B. The surface is owned by The U.S. Department of Interior and is administered by The Bureau of Land Management. The surface is used for the grazing of livestock and the production of Oil & Gas.

C. An archaeological survey will be conducted on the location and roads the results will be filed in report form and filed with the Bureau of Land Management Field Office in Carlsbad New Mexico.

D. There is a dwelling (Ranch House) approximately .5 miles Southeast of location.

12. OPERATOR'S REPRESENTIVES:

Before Construction:

TIERRA EXPLORATION, INC.
P.O. BOX 2188
HOBBS, NEW MEXICO 88241
OFFICE Ph. 505-391-8503
JOE T. JANICA

During and after Construction:

POGO PRODUCING COMPANY
P.O. BOX 10340
MIDLAND, TEXAS 79702-7340
RICHARD WRIGHT
OFFICE Ph. 432 -685-8140

13. CERTIFICATION: I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and the access roads, and 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 it's contractors/subcontractors is in confirmity with this plan and the terms and conditions under which it is approved. This statement is subject to the provision of U.S.C. 1001 for the filing of a false report.

NAME : Joe T. Janica
DATE : 07/15/06
TITLE : Agent

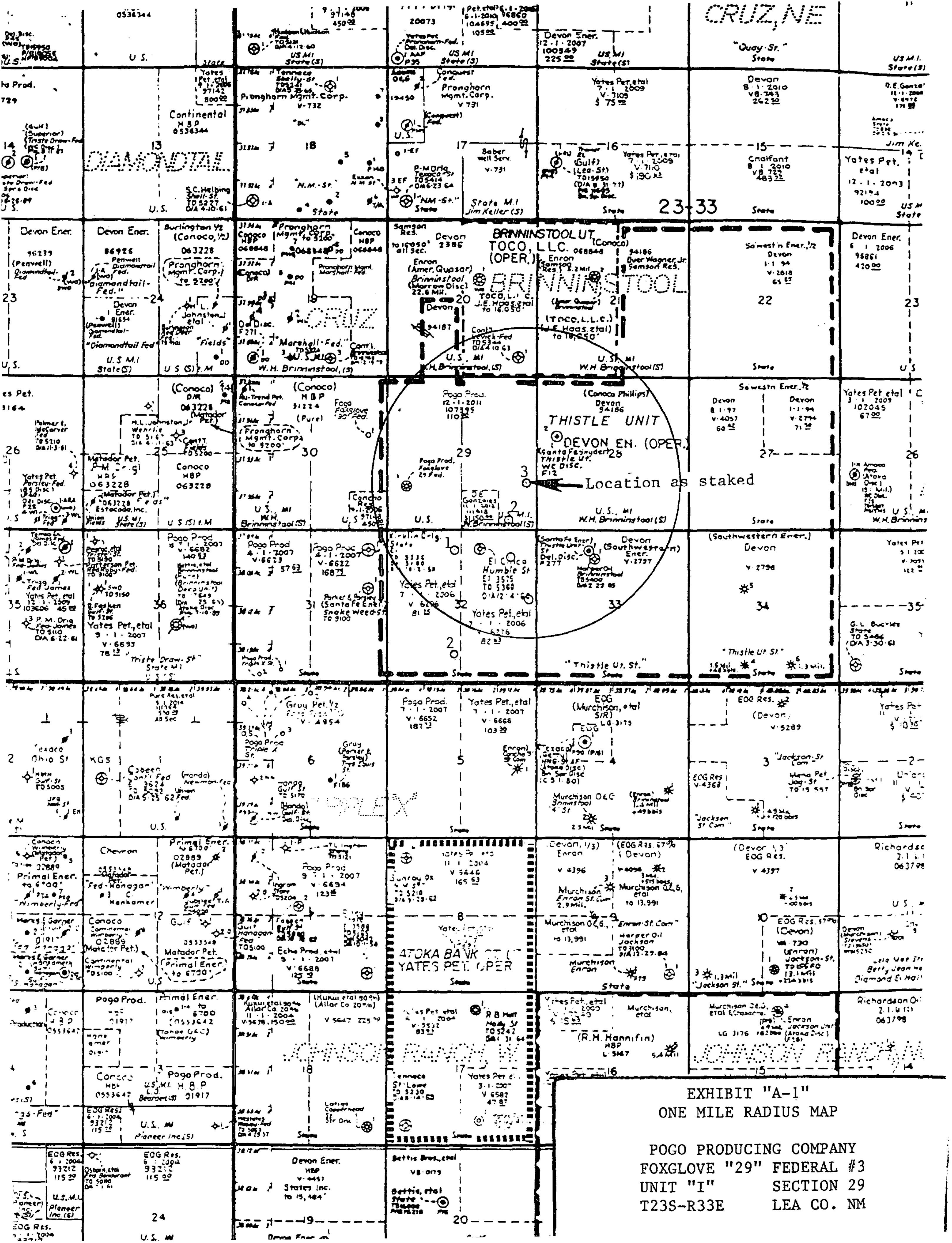


EXHIBIT "A-1"
ONE MILE RADIUS MAP

POGO PRODUCING COMPANY
FOXGLOVE "29" FEDERAL #3
UNIT "I" SECTION 29
T23S-R33E LEA CO. NM

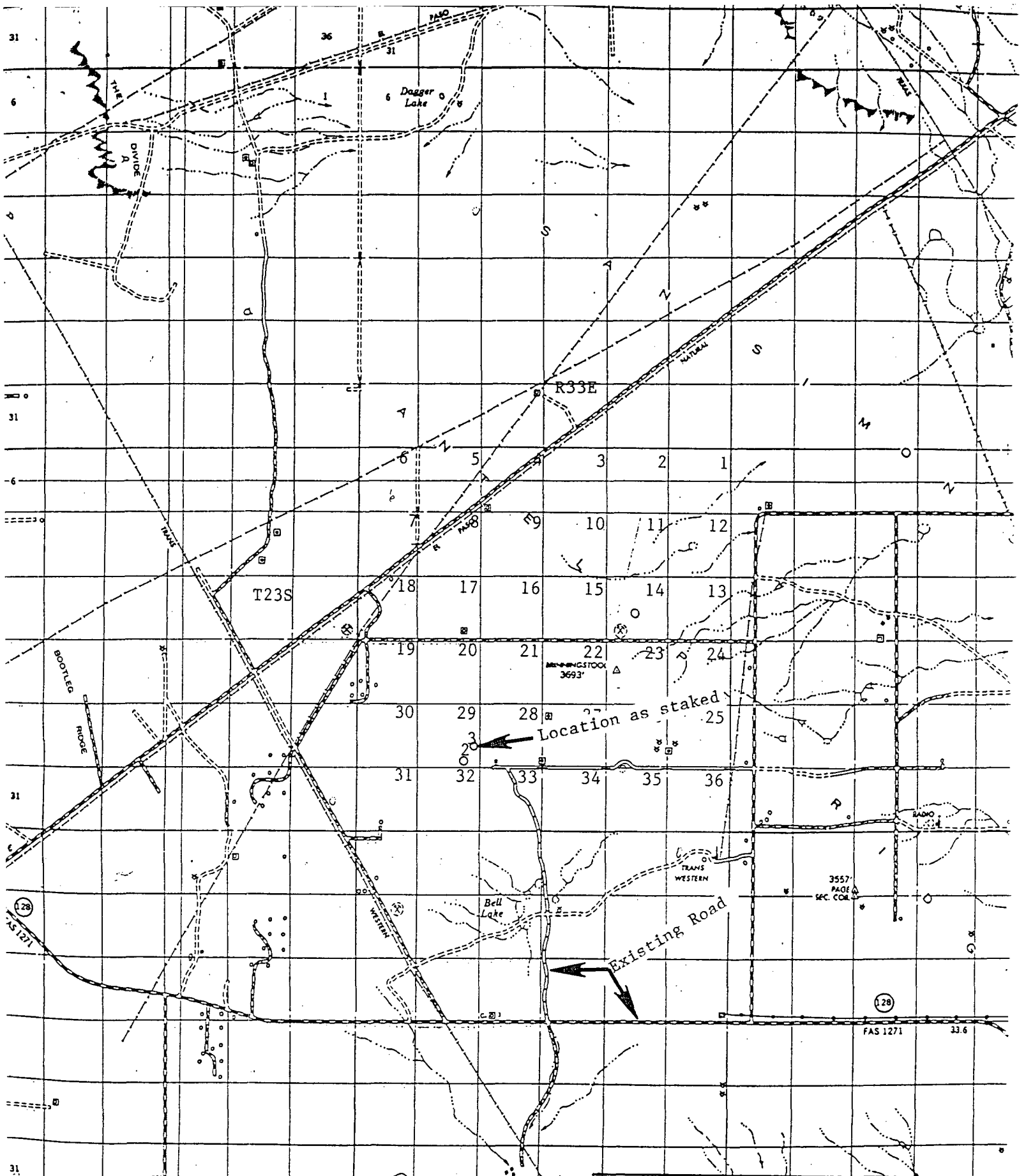


EXHIBIT "B"
LOCATION & ACCESS ROAD MAP

POGO PRODUCING COMPANY
FOXGLOVE "29" FEDERAL #3
UNIT "I" SECTION 29
T23S-R33E LEA CO. NM

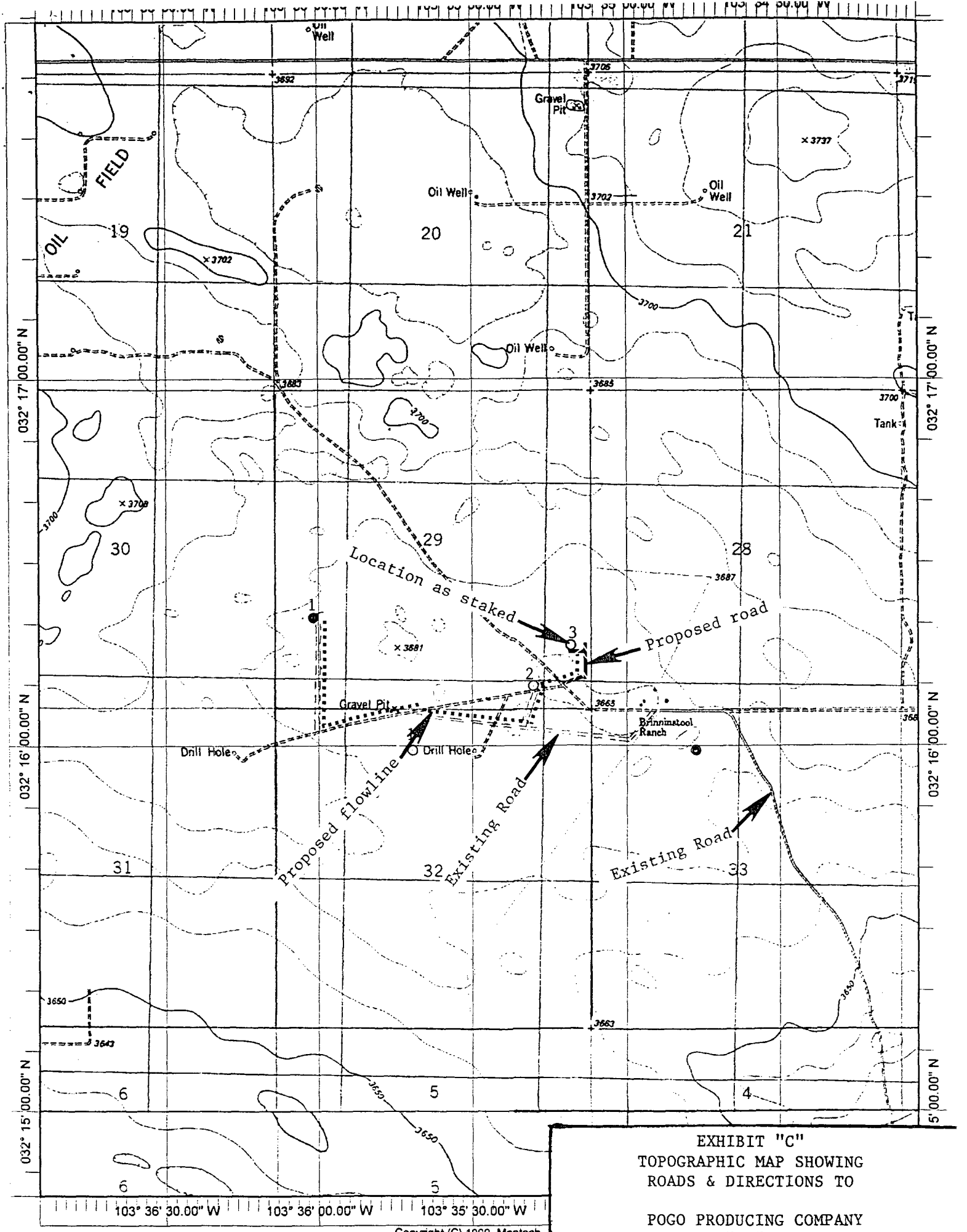
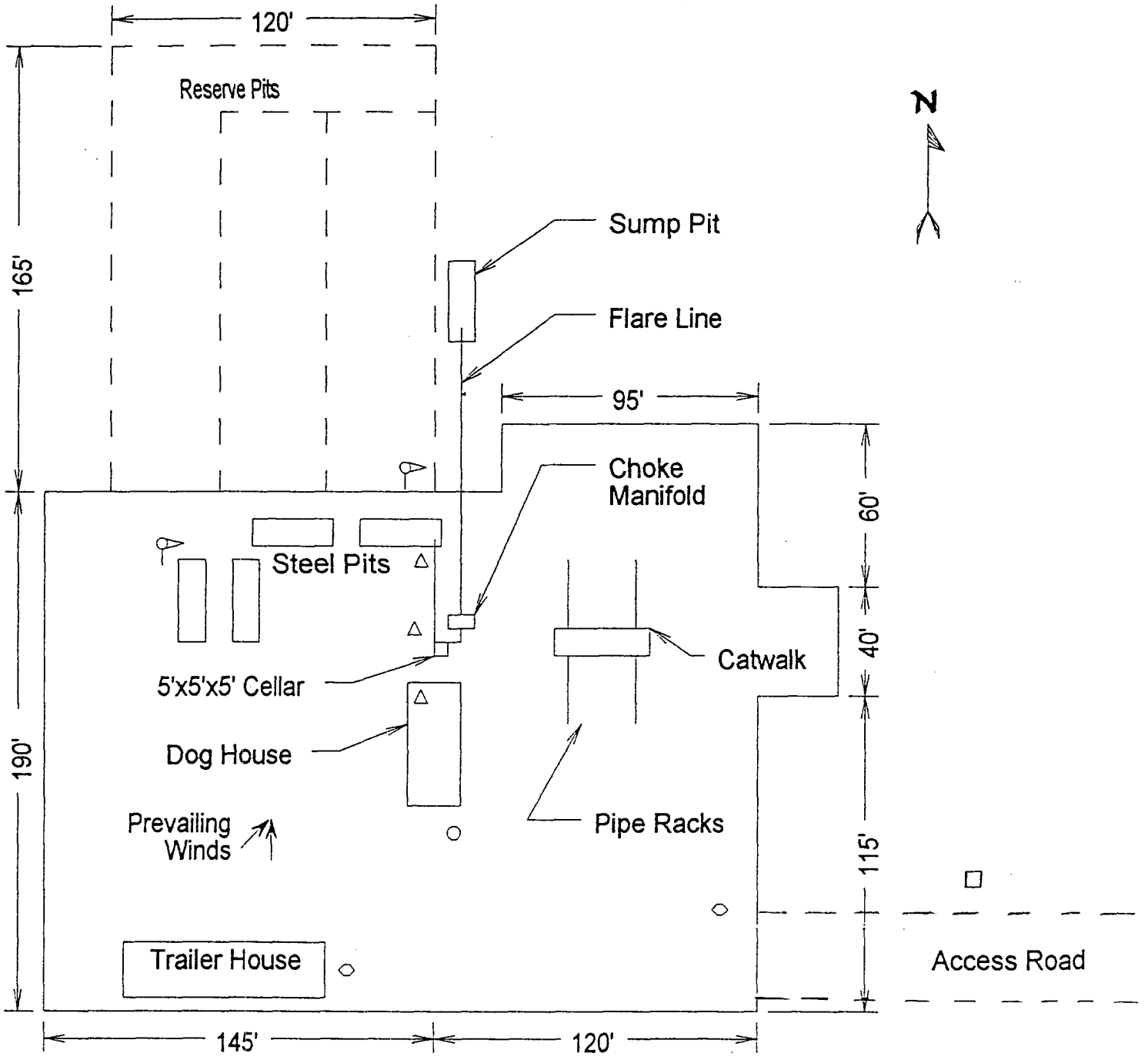


EXHIBIT "C"
TOPOGRAPHIC MAP SHOWING
ROADS & DIRECTIONS TO

POGO PRODUCING COMPANY
FOXGLOVE "29" FEDERAL 33
UNIT "I" SECTION 29
T23S-R33E 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 LAY OUT PLAT

POGO PRODUCING COMPANY
FOXGLOVE "29" FEDERAL #3
UNIT "I" SECTION 29
T23S-R33E LEA CO. NM

11" 2M

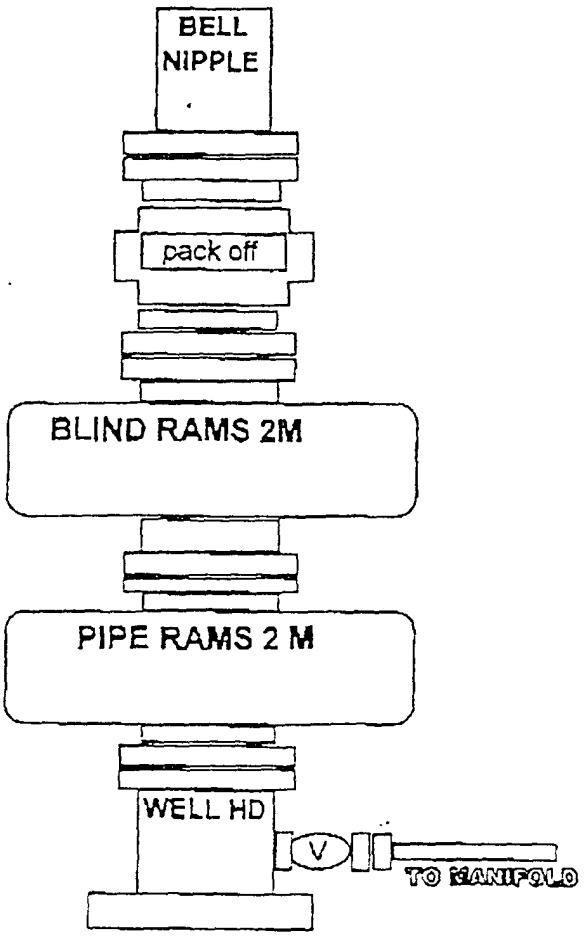


EXHIBIT "E"
SKETCH OF B.O.P. TO BE USED ON

POGO PRODUCING COMPANY
FOXGLOVE "29" FEDERAL #3
UNIT "I" SECTION 29
T23S-R33E LEA CO. NM

CHOKE MANIFOLD

3000 PSI WP

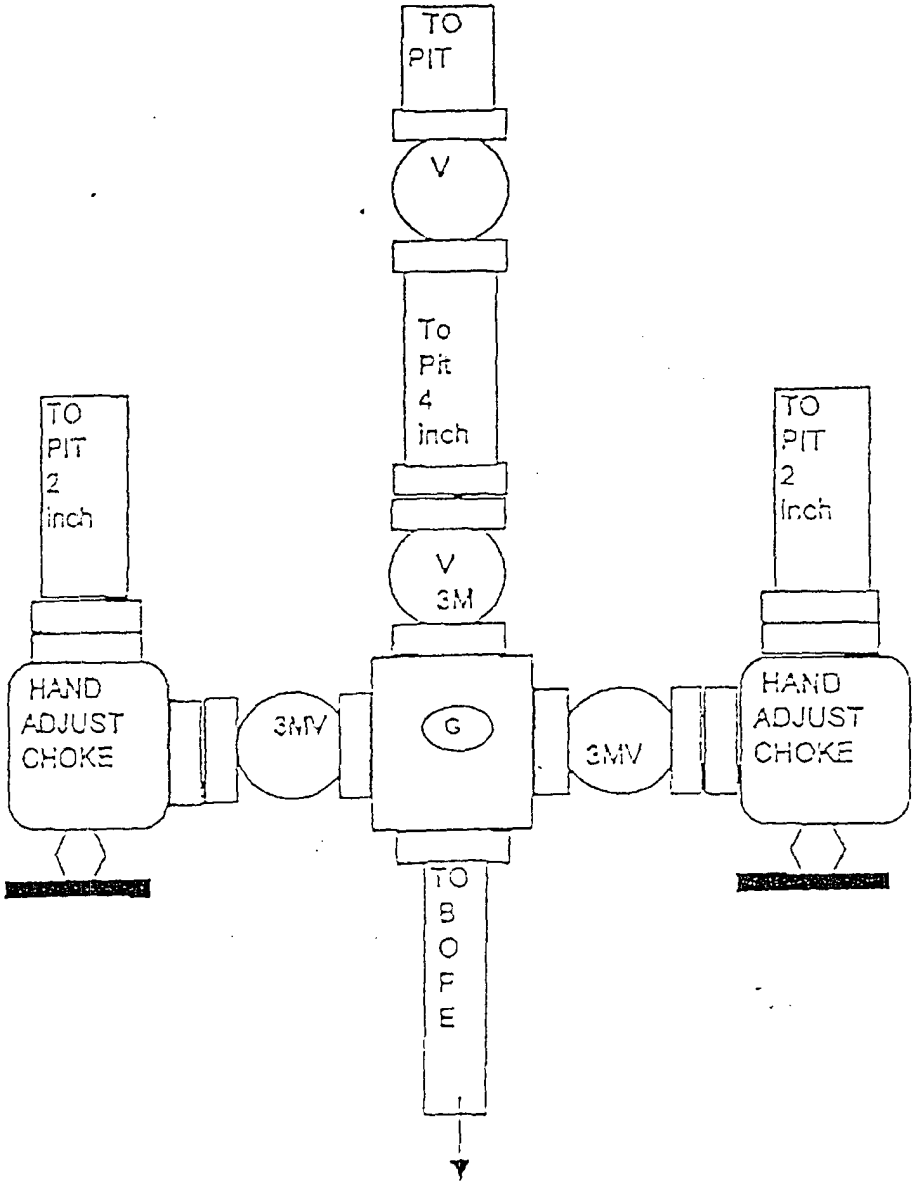


EXHIBIT "E-1"
CHOKE MANIFOLD

POGO PRODUCING COMPANY
FOXGLOVE "29" FEDERAL #3
UNIT "I" SECTION 29
T23S-R33E LEA CO. NM

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: Foxglove 29 Federal #3 API #: 30-025-38520 U/L or Qtr/Qtr I Sec 29 T 23S R 33E
County: Lea Latitude 32.272848N Longitude 103.586396W 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) 0
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: 09/28/06
Printed Name/Title Cathy Wright, Sr. EngTech 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: 10/11/06
Printed Name/Title CHRIS WILLIAMS DIST. SUPV Signature Chris Williams

Water Resources

National Water Information System: Web Interface

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

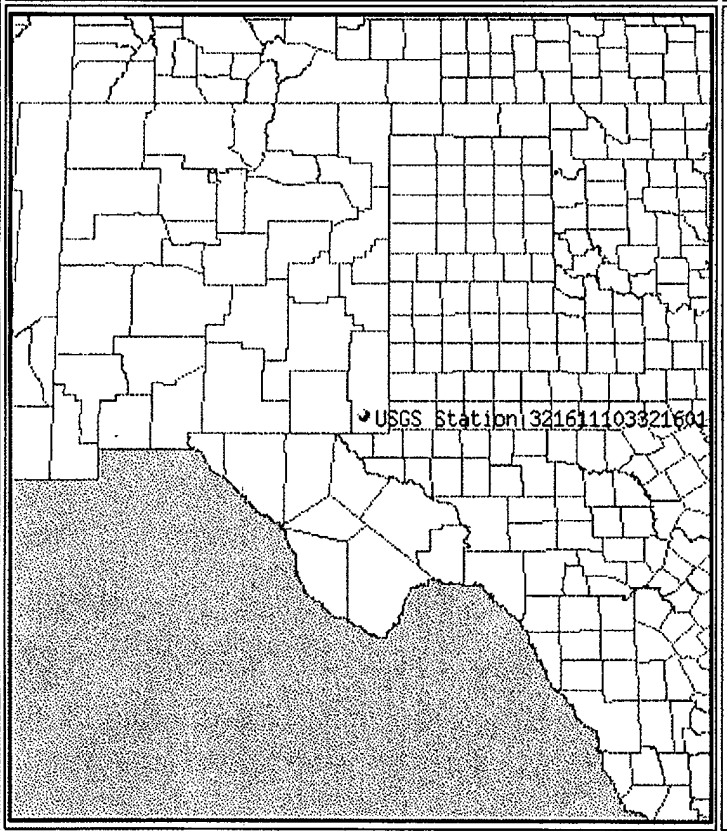
Site Map for New Mexico

USGS 321611103321601 23S.33E.26.42100

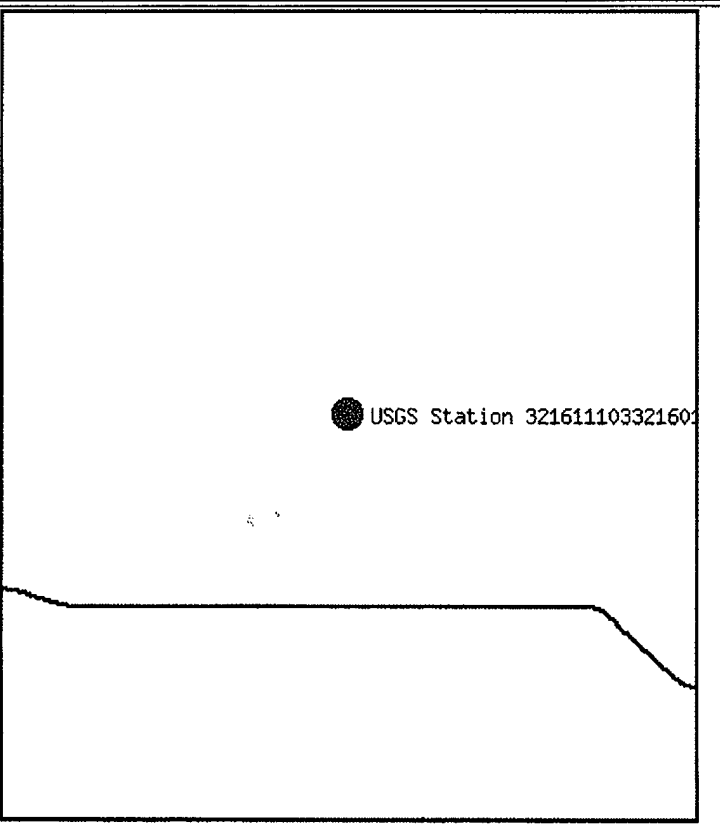
Available data for this site: Site map | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°16'11", Longitude 103°32'16" NAD27
Land-surface elevation 3,644.00 feet above sea level NGVD29
The depth of the well is 190 feet below land surface.
This well is completed in the CHINLE FORMATION (231CHNL) 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?
Feedback on this web site
NWIS Site Inventory for New Mexico: Site Map
http://waterdata.usgs.gov/nm/nwis/nwismap?

Top
Explanation of terms

Retrieved on 2006-09-29 09:11:43 EDT
Department of the Interior, U.S. Geological Survey

Water Resources

National Water Information System: Web Interface

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

Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 321611103321601

Save file of selected sites to local disk for future upload

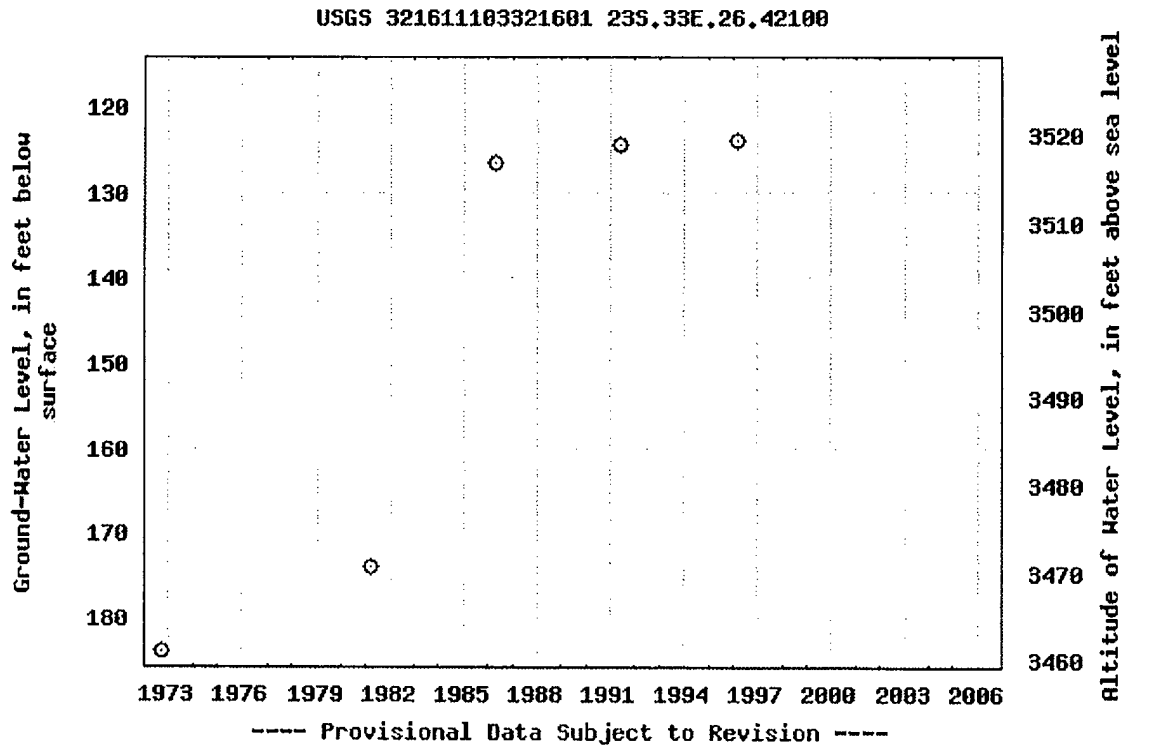
USGS 321611103321601 23S.33E.26.42100

Available data for this site: Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°16'11", Longitude 103°32'16" NAD27
Land-surface elevation 3,644.00 feet above sea level NGVD29
The depth of the well is 190 feet below land surface.
This well is completed in the CHINLE FORMATION (231CHNL) 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

Questions about data?

Top

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	
32:16:11	N	103:32:16	W
Lat2		**Lon2**	
32.272848	N	103.586396	W

Output

Course 1-2	Course 2-1	Distance
274.361263	94.3353051	2.47360858(

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	