

UNITED STATES M. Oil Cons. Div. Dist. 2
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1301 W. Grand Avenue
Artesia, NM 88210

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> RE-ENTRY			5. LEASE DESIGNATION AND SERIAL NO. NM-81616		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR POGO PRODUCING COMPANY (RICHARD WRIGHT 432-685-8140)			7. UNIT AGREEMENT NAME		
3. ADDRESS AND TELEPHONE NO. P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 (432-685-8100)			8. FARMOR LEASE NAME, WELL NO. RIVER BEND "10" FED. # 2		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2180' FNL & 1980' FWL SECTION 10 T24S-R29E EDDY CO. NM At proposed prod. zone SAME			9. AP WELL NO. 30-015-20756		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 20 miles Southeast of Loving New Mexico			10. FIELD AND POOL, OR WILDCAT PIERCE CROSSING-BONE SPRIN		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SECTION 10 T24S-R29E		
16. NO. OF ACRES IN LEASE 160			12. COUNTY OR PARISH EDDY CO.		
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE NEW MEXICO		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'			20. ROTARY OR CABLE TOOLS ROTARY		
19. PROPOSED DEPTH 8200'			22. APPROX. DATE WORK WILL START* WHEN APPROVED		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 2982' GR.					

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	J-55 13 3/8"	68	657'	750 Sx
12 1/4"	J-55 9 5/8"	53.5	7398'	3645 Sx
8 1/4"	N-80 7 5/8"	26.4	10,937 (liner)	800 Sx

CARLSBAD CONTROLLED WATER BASIN

RECEIVED

SEP 23 2004

OOD-ARTESIA

SEE ATTACHMENT

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Joe G. Lara TITLE Agent DATE 08/25/04

(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:

/s/ Joe G. Lara

FIELD MANAGER

22 SEP 2004

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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 ResourcesOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-144
March 12, 2004For 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

432-685-8100

Telephone:

e-mail address: wrightc@pogoproducing.com

Address: P. O. Box 10340, Midland, TX 79702-7340

Facility or well name: River Bend 10 Fed 2 API #:

U/L or Qtr/Qtr F Sec 10 T 24 R 29

County: Eddy

Latitude 32:14:00.03N

Longitude 103:58:26.6W

NAD: 1927 ☒ 1983 ☐Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐**Pit**Type: Drilling ☐ Production ☐ Disposal ☐Workover ☒ Emergency ☐Lined ☒ Unlined ☐Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Volume
8400 bbl**Below-grade tank**

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

(20 points)

50 feet or more, but less than 100 feet

(10 points)

100 feet or more

X

(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

(20 points)

No

X

(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

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

1000 feet or more

X

(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: 08/27/04

Printed Name/Title: Cathy Wright, Sr Eng Tech

Signature: 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:

AUG 30 2004

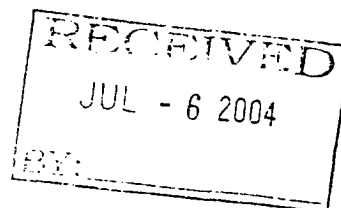
Printed Name/Title:

Signature: 

01/06/2004 10:00 AM 402 000 0100 FUGO PRODUCING COMPANY 003/003

Getty Cedar Canyon Re Entry Procedure

- 1 DIG OUT & RESET CELLAR. WELD ON STUB & WELL HEAD ON 9 5/8" CASING. PREPARE LOCATION. DIG WORKING PIT & LINE SAME AS PER NEW REGULATIONS.
- 2 MIRU CAPSTAR RIG. P/U 8 1/2" BIT & BHA DRILL OUT PLUGS
- 3 DRILL OUT PLUGS TO 7 5/8" LINER TOP @ 7141'. CIRCULATE CLEAN, POH.
- 4 P/U 6 1/2" BIT & NEW BHA. TIH & CLEAN OUT TO $\pm 9000'$.
NOTE: AS PER SUNDRY DATED 6/23/80 BAD CASING PREVENTED REWORK TO MORROW.
DEPTH WAS NOT SPECIFIED
- 5 POH. R/D CAPSTAR TOOLS. INSTALL WELL HEAD CAP
- 6 MIRU WELL SERVICE UNIT. N/U BOP'S.
- 7 RIH W/ 9 5/8" & 7 5/8" SCRAPER AND BIT TO 9000'. PRESSURE TEST CASING.
- 8 POH & P/U NECESSARY SQUEEZE EQUIPMENT TO SQUEEZE DELAWARE PERFS.
- 9 DRILL OUT ALL SQUEEZE AND TEST CASING INTEGRITY.
- 10 R/U WIRELINE. RUN CBL WITH 500 PSI PRESSURE. PERFORATE 1st BONE SPRINGS AS PER GEOLOGY.
- 11 RIH W/ PACKER AND SEATING NIPPLE. ACIDIZE AND SWAB TEST 1st BONE SAND
- 12 FRAC WELL DOWN TUBING AS PER RECOMMENDATION. A FRAC STRING 3 1/2" COULD BE USED IF RATE IS A FACTOR.
- 13 CLEAN OUT EXCESS FRAC SAND AND SWAB CLEAN. EXPECT WELL TO FLOW FOR SHORT PERIOD OF TIM
- 14 INSTALL NECESSARY PUMPING EQUIPMENT ONCE WELL FLOWING RATE ALLOWS.



Getty Cedar Canyon 10 # 1

13 3/8 CSG CMT'D WITH
450 SKS "H" 4%gal. Tailed
with 300 sks "H" Neal

CICR SQ ANNULUS
WITH 150 SKS

8 5/8 STAGE TOOL @ 5345'
TOC PRIMARY SHOWED
3540'.

9 5/8 CSG. CMT'D 1ST. STAGE
WITH 400 Sks Lite w/ 7 1/2%
Salt. Tailed w/ 300 Sks C Neal.
2nd stage cmt'd with 845 sks
Lite + 1800 Sks Lite w/ 7 1/2% salt +
300 sks "c" Neal TOC 3540'.

7 5/8" Liner Cmt'd with 200 Sks Econo
Lite followed by 200 Sks "H".

Top of Salt 740'
Base of Salt 2794'
DELAWARE LIME - 3002'
CHERRY CANYON - 4107'
BRUSHY CANYON - 5129'
BONE SPRING LIME - 6787'
WOLFCAMP - 9615'
STRAWN - 11985'
ATOKA - 12168'
MORROW - 12188'

5" LINER CMT'D WITH 300 SKS.

25 sks plug to surface

13 3/8 (68#) J-55 CASING @ 657'

PERFS 710'

CICR & CEMENT 3470' - 3370'

PERFS 3526' - 90'

CIBP & CEMENT 3700' - 3635'

PERFS 3712' - 18'

CIBP & CEMENT 3858' - 3500'

PERFS 4126' - 36'

8 5/8 STAGE TOOL @ 5345'

7 5/8" Liner Top 7141'
Squeeze Liner Top w/ 400 sks.

9 5/8 (53.5#) N-80 @ 7398'

CIBP & CEMENT 10600 - 400'
Top 5" Liner 10634'

7 5/8" 39# Liner S-85 SFJP @ 10937'

MORROW PERFS 13074 - 13703

5" 18# N-80 FL43 Liner

TD 13 859

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JUL - 6 2004

BY:

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 JUNE 10, 2003
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 11520	Pool Name UNDES. CEDAR CANYON-BONE SPRING
Property Code	Property Name RIVER BEND 10 FEDERAL	Well Number 2
OGRID No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 2982'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	10	24-S	29-E		2180	NORTH	1980	WEST	EDDY

Bottom Hole Location If Different From Surface

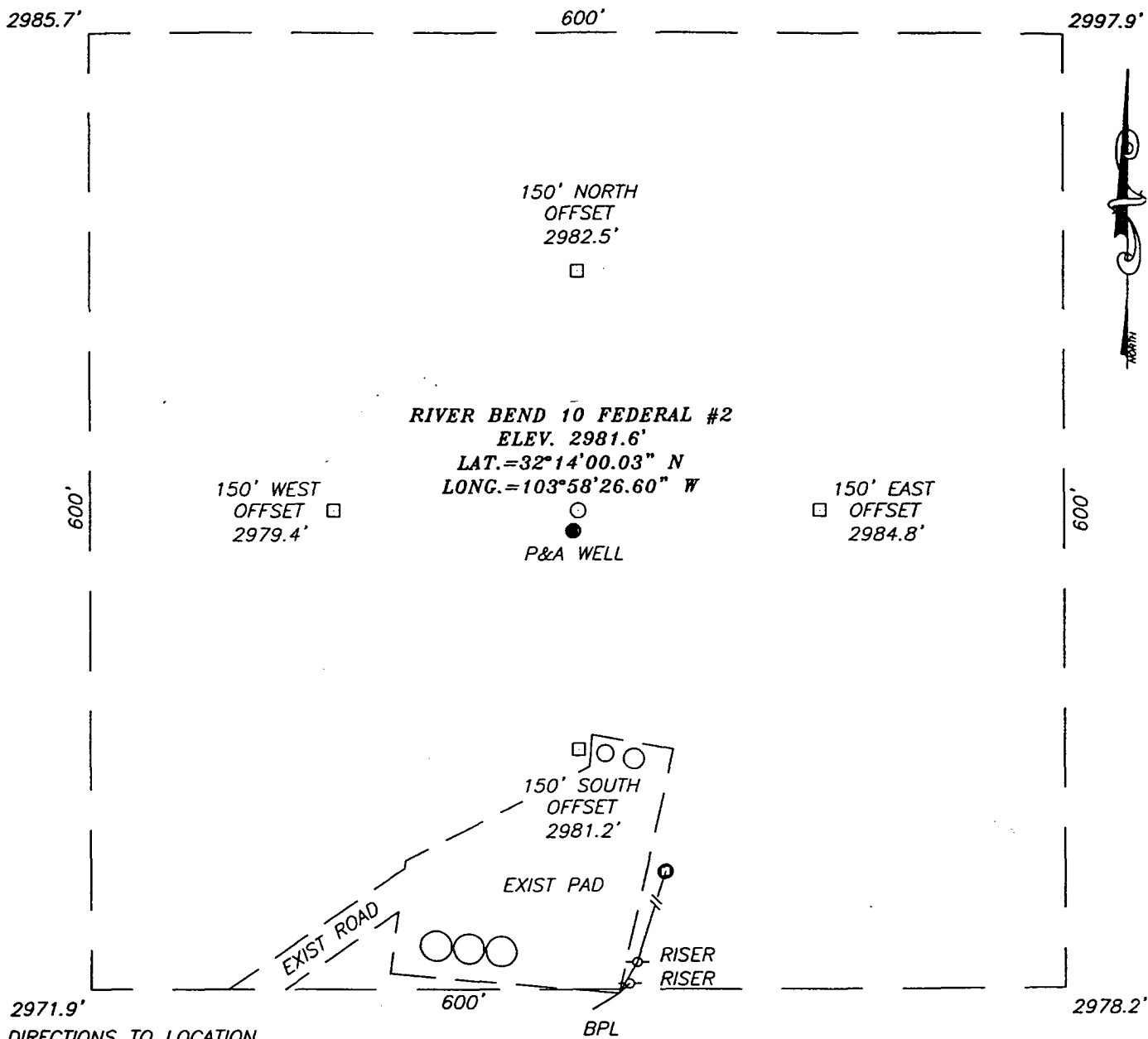
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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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

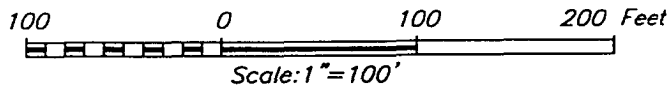
<p>2180'</p> <p>1980'</p> <p>2985.7'</p> <p>2997.9'</p> <p>600'</p> <p>2971.9'</p> <p>2978.2'</p> <p>GEODETIC COORDINATES NAD 27 NME Y=448794.2 N X=611091.6 E LAT.=32°14'00.03" N LONG.=103°58'26.60" W</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Joe T. Janica</i> Signature Joe T. Janica Printed Name Agent Title 08/25/04 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>AUGUST 9, 2004 Date Surveyed JR Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 04.11.1017 Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3239</p>
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SECTION 10, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

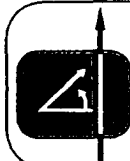
FROM THE INTERSECTION OF CO. RD. #720
 (DUARTE RD.) AND CO. RD. #745 (HARROUN RD.)
 GO NORTH ON CO. RD. #745 FOR APPROX. 1.0
 MILES, ROAD VERES EAST, CONTINUE ON ROAD
 FOR APPROX. 2.1 MILES TO CO. RD. #788 (DOG
 TOWN RD.) TURN RIGHT (SE) ON CO. RD. #788
 AND GO APPROX. 1.3 MILES TO A CALICHE ROAD
 ON THE LEFT W/DUKE ENERGY SIGN, POGO SIGN,
 DEVON SIGN, AND MARALO SIGN. TURN LEFT AND
 GO APPROX. 2.1 MILES. TURN LEFT AND GO THRU
 CATTLE GUARD. CONTINUE ON FOR APPROX. 0.8
 MILES TO NEW TANK BATTERY. PROPOSED
 LOCATION IS APPROX. 150' NORTH.



POGO PRODUCING COMPANY

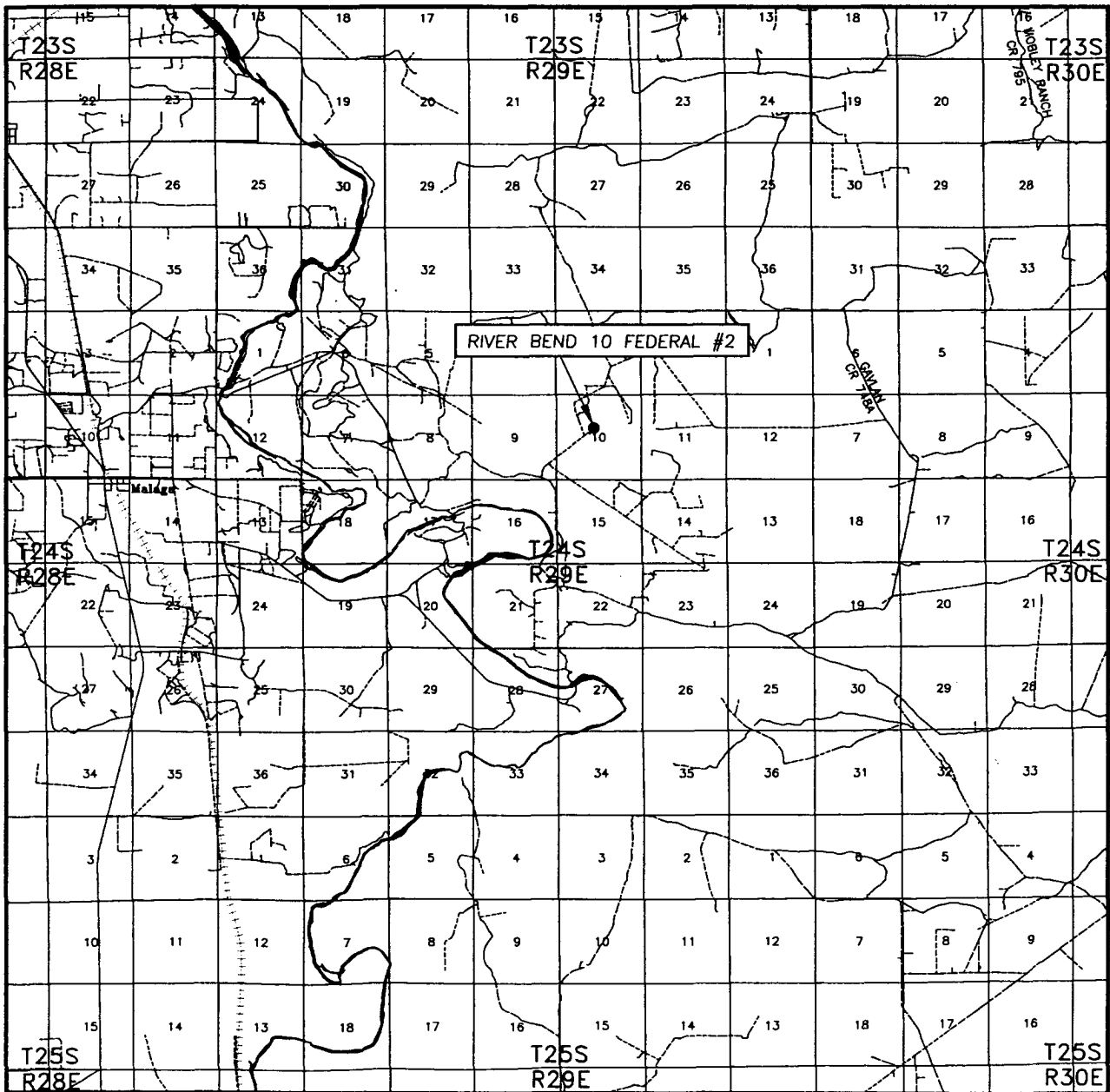
RIVER BEND 10 FEDERAL #2 WELL
 LOCATED 2180 FEET FROM THE NORTH LINE
 AND 1980 FEET FROM THE WEST LINE OF SECTION 10,
 TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 08/09/04	Sheet 1 of 1 Sheets
W.O. Number: 04.11.1017	Dr By: J.R.
Date: 08/12/04	Disk: CD#10
04111017	Scale: 1"=100'



PROVIDING SURVEYING SERVICES
 SINCE 1948
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 10 TWP. 24-S RGE. 29-E

SURVEY N.M.P.M.

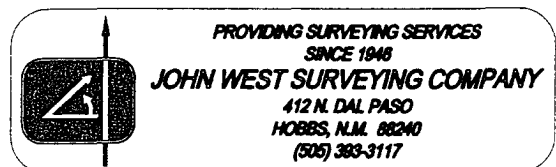
COUNTY EDDY

DESCRIPTION 2180' FNL & 1980' FWL

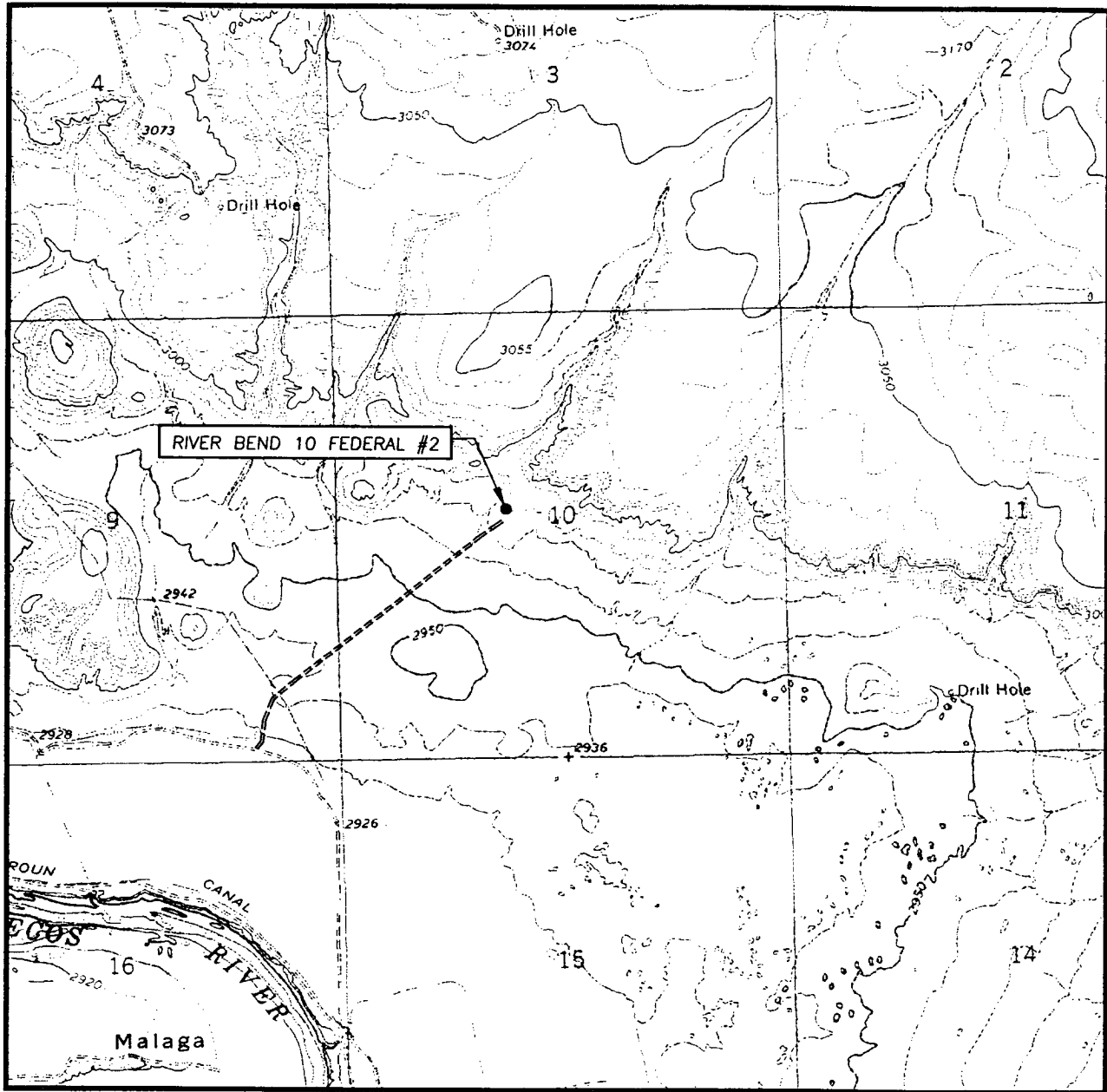
ELEVATION 2982'

OPERATOR POGO PRODUCING COMPANY

LEASE RIVER BEND 10 FEDERAL



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
PIERCE CANYON, N.M. - 10'

SEC. 10 TWP. 24-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY EDDY

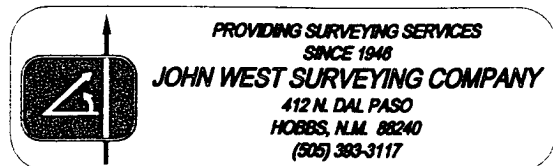
DESCRIPTION 2180' FNL & 1980' FWL

ELEVATION 2982'

OPERATOR POGO PRODUCING COMPANY

LEASE RIVER BEND 10 FEDERAL

U.S.G.S. TOPOGRAPHIC MAP
PIERCE CANYON, N.M.



APPLICATION TO DRILL

POGO PRODUCING COMPANY
RIVER BEND "10" FEDERAL # 1
RE-ENTRY
UNIT "F" SECTION 10
T24S-R29E EDDY 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: 2180' FNL & 1980' FWL SECTION 10 T24S-R29E EDDY CO. NM
2. Elevation above Sea Level: 2982' GR.
3. Geologic name of surface formation:- Quaternary 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: Re-entry clean out depth 9000'.
6. Estimated tops of geological markers:

Top of salt	740	Brushy Canyon	5128'
Base of salt	2794'	Bone Spring Lime	6787'
Delaware Lime	3002'	Wolfcamp	9615'
Cherry Canyon	4107'		
7. Possible mineral bearing formations:

Bone Spring	Oil
-------------	-----

8. Casing program:

	Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
*	17½"	0-657'	13 3/8"	63	8-R	ST&C	J-55
*	12½"	0-7395'	9 5/8"	53.5	8-R	ST&C	N-80
*	8 3/4"	7141-10,937'	7 5/8"		8-R	LT&C	N-80

* above casing is in place this is a re-entry see attached information.

APPLICATION TO DRILL

POGO PRODUCING COMPANY
RIVER BEND "10" FEDERAL # 1
RE-ENTRY
UNIT "F" SECTION 10
T24S-R29E EDDY CO. NM

9. CEMENTING & CASING SETTING DEPTHS:

13 3/8"	Surface	This casing is in place 657' cemented with 750 Sx. of cement.
9 5/8"	1st Intermediate	This string of casing is in place and cemented with 3645 Sx. of cement.
7 5/8"	Liner	This liner is in place from 7141' to 10,937' cemented with 800 Sx.

10. PRESSURE CONTROL EQUIPMENT:

Exhibit "E" shows a 2000 PSI working pressure B.O.P. to be rigged up on the 9 5/8" casing. B.O.P. consists of stripper head blind rams and pipe rams. This stack is used because of sub-structure limitations of the rig being used to drill out the plugs in the previously plugged well. No abnormal pressures or temperatures are expected in this re-entry based on pressures in off-set wells. Exhibit "E-1"² shows a manually operated choke manifold as no remote B.O.P equipment will be necessary.

11. PROPOSED MUD CIRCULATING SYSTEM:

The mud system used will be the type necessary to keep hole clean and maintain sufficient weight to control normal pressures.

APPLICATION TO DRILL

POGO PRODUCING COMPANY
RIVER BEND "10" FEDERAL # 1
RE-ENTRY
UNIT "F" SECTION 10
T24S-R29E EDDY CO. NM

12. LOGGING, CORING, AND TESTING PROGRAM:

- A. After clean out a cement bond log will be run to determine where perforations will be required to cement any free casing bonding across the pay interval.
- B. Casing collar locator will be run in conjunction with the cement bond log to determine where perforations should be made in order to complete well.

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. There is no known presence of H²S in this area. If H²S 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 2000 PSI, and Estimated BHT 155°.

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 8 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 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 H₂S safety instructor to the following:
 - A. Characteristics of H₂S
 - B. Physical effects and hazards
 - C. Proper use of safety equipment and life support systems.
 - D. Principle and operation of H₂S detectors, warning system and briefing areas.
 - E. Evacuation procedure, routes and first aid.
 - F. Proper use of 30 minute pressure demand air pack.
2. H₂S Detection and Alarm Systems
 - A. H₂S 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, H₂S 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_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 separator will be brought into service along with H_2S scavengers if necessary.

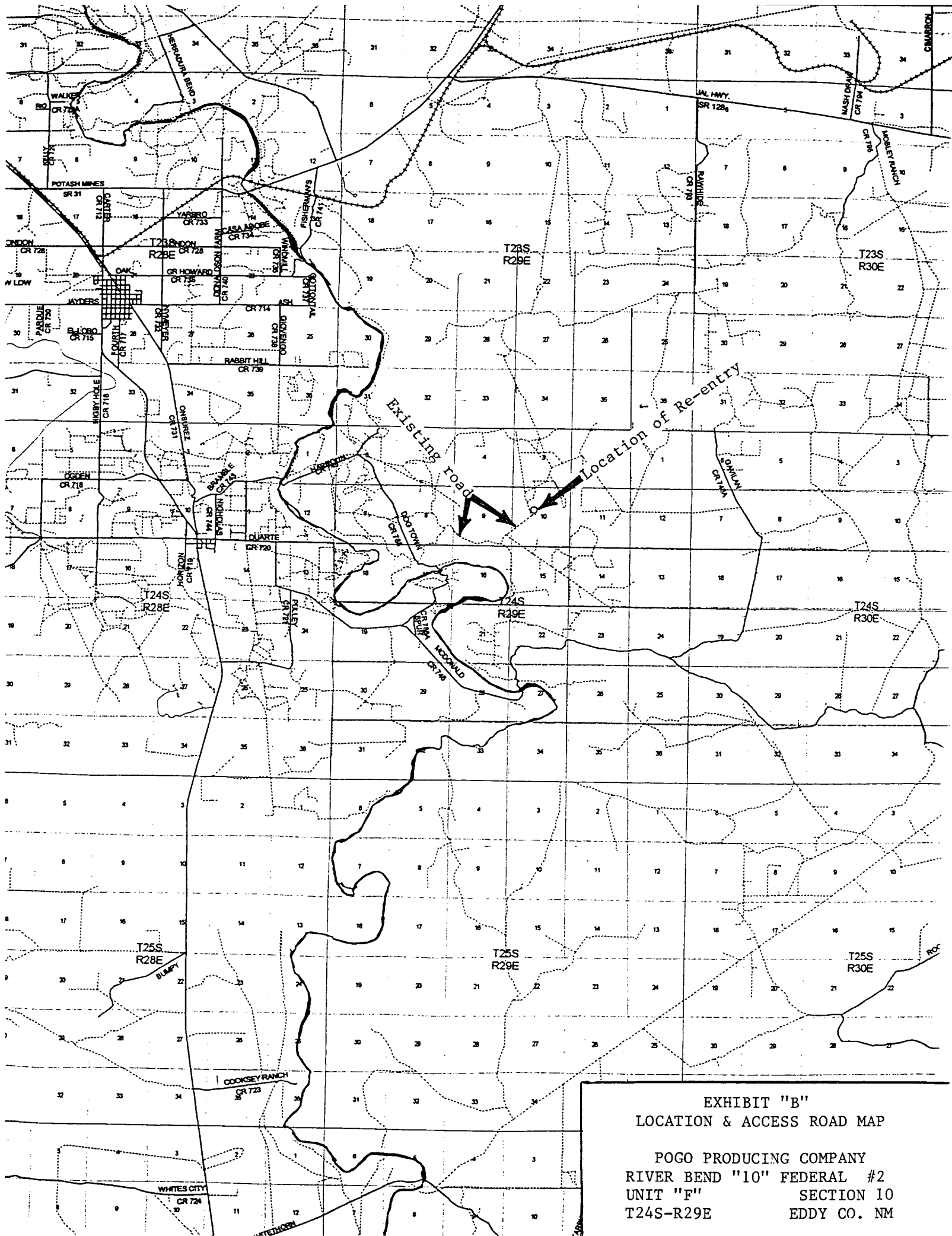
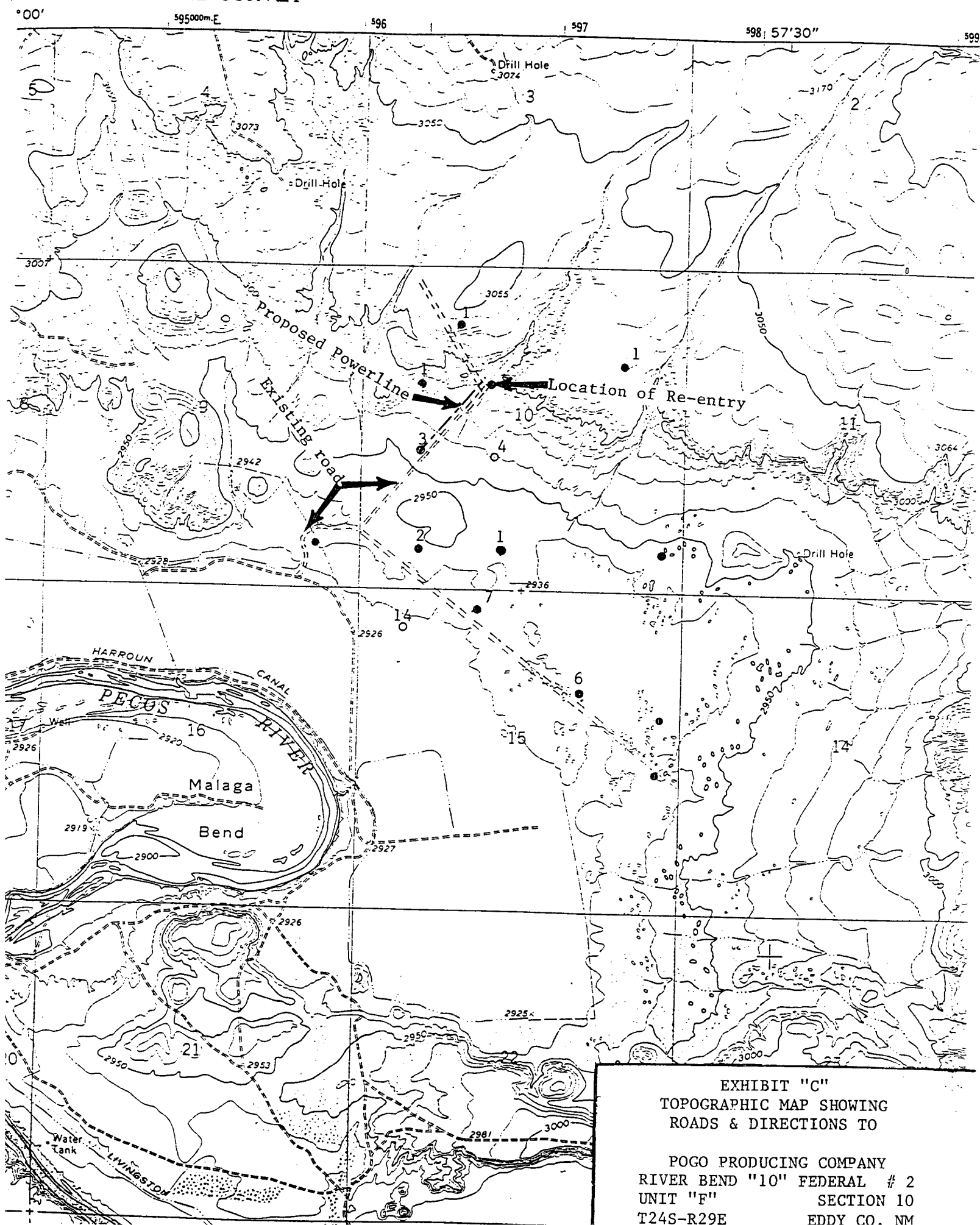


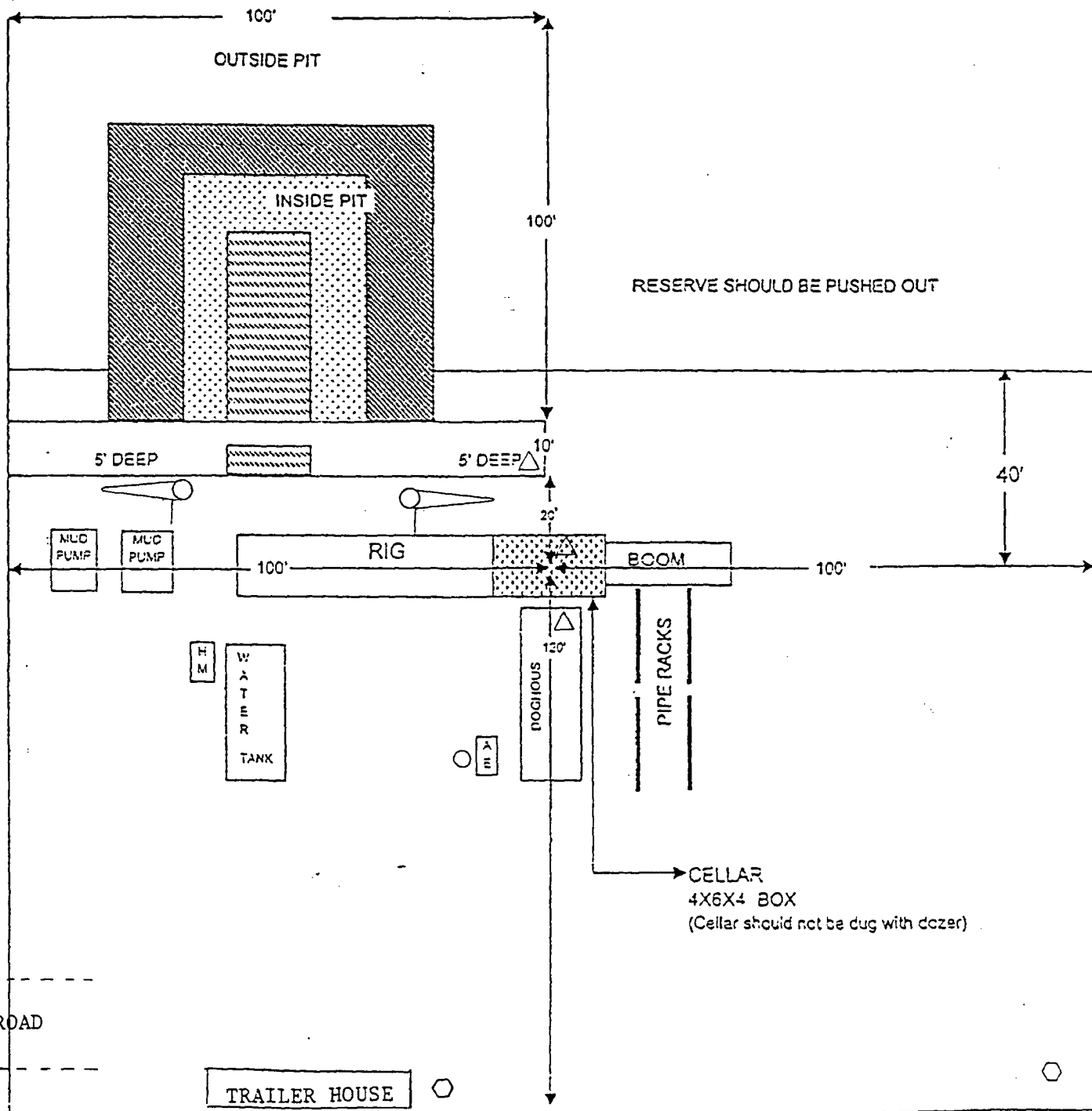
EXHIBIT "B"
LOCATION & ACCESS ROAD MAP

POGO PRODUCING COMPANY
RIVER BEND "10" FEDERAL #2
UNIT "F" SECTION 10
T24S-R29E EDDY CO. NM

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATION SPECIFICATIONS AND RIG LAYOUT FOR EARTH PITS



Cellar can be 4X4X4 if using a screw-on wellhead
Working Pits dug 5' below ground level!

- △ 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

Location Specs

EXHIBIT "D" RIG LAY OUT PLAT

POGO PRODUCING COMPANY
RIVER BEND "10" FEDERAL # 2
UNIT "F" SECTION 10
T24S-R29E EDDY CO. NM

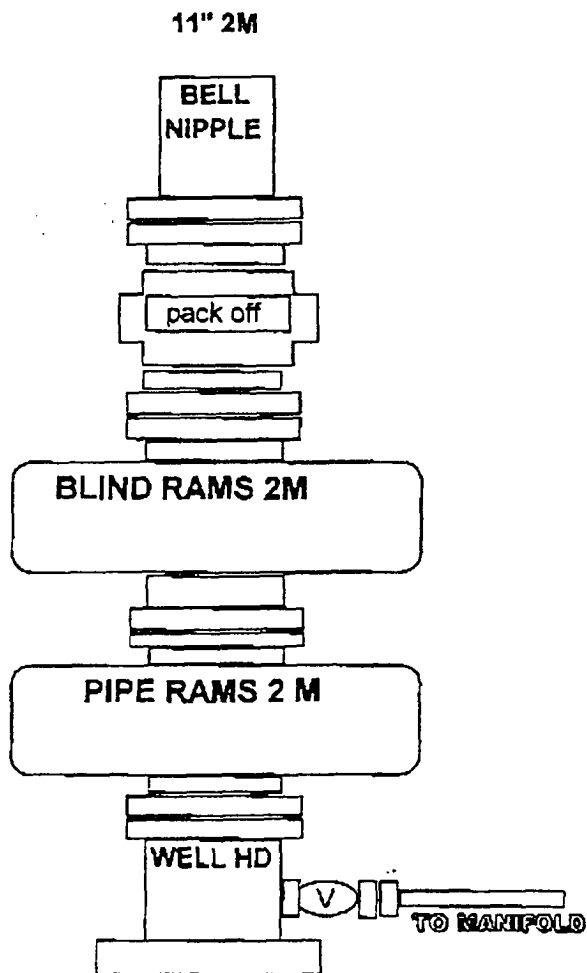


EXHIBIT "E"
SKETCH OF B.O.P. TO BE USED ON

POGO PRODUCING COMPANY
RIVER BEND "10" FEDERAL # 2
UNIT "F" SECTION 10
T24S-R29E EDDY CO. NM

CHOKE MANIFOLD

3000 PSI WP

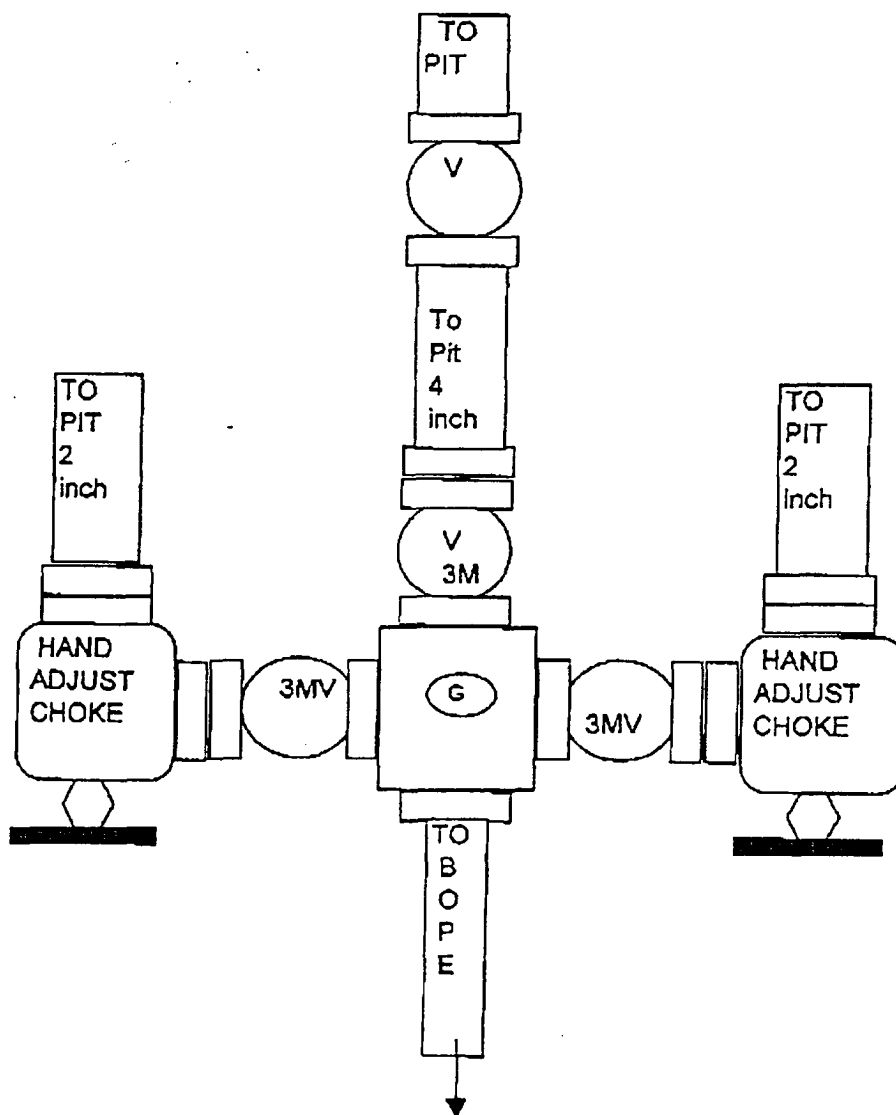


EXHIBIT "E-1"
SKETCH OF CHOLE MANIFOLD

POGO PRODUCING COMPANY
RIVER BEND "10" FEDERAL # 2
UNIT "F" SECTION 10
T24S-R29E EDDY CO. NM