

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTN.M. OILCONS. DIV. - Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

LEASE DESIGNATION AND SERIAL NO.

NM-11038

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

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 915-685-8140)

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 (915-695-8100)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

760' FSL & 1860' FEL SECTION 23 T26S-R29E EDDY CO. NM

At proposed prod. zone SAME

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME WELL NO.

CIMARRON "23" FEDERAL # 1

9. AP WELL NO.

30-015-33410

10. FIELD AND POOL, OR WILDCAT

BRUSHY DRAW-DELAWARE

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

SECTION 23 T26S-R29E

12. COUNTY OR PARISH

EDDY CO.

13. STATE

NEW MEXICO

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 16 miles Southeast of Malaga New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

760'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

660'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. PROPOSED DEPTH

5500'

20. ROTARY OR CABLE TOOLS

ROTARY

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

2912' GR.

22. APPROX. DATE WORK WILL START*

WHEN APPROVED

23.

PROPOSED CASING AND CEMENTING PROGRAM

CARLSBAD CONTROLLED WATER BASIN

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	Conductor	NA	40'	Cement to surface with Redi-mix.
12 1/4"	J-55 8 5/8"	32	600'	655 Sx. circulate to surface
7 7/8"	J-55 5 1/2"	15.5	5500'	1500 Sx. 3 stages TOC surface.

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.

2. Drill 12 1/4" hole to 600'. Run and set 600' of 8 5/8" 32# J-55 ST&C casing. Cement with 655 Sx. of Class "C" cement + 2% CaCl, + 1/4# Flocele/Sx. Circulate cement to surface.

3. Drill 7 7/8" hole to 5500'. Run and set 5500' of 5 1/2" 15.5# J-55 ST&C casing. Cement in 3 stages, DV Tools at 4000' & 2000'±. Cement 1st stage with 400 Sx. of Class "C" cement + additives, cement 2nd stage with 600 Sx. of Class "C" cement + additives, cement 3rd stage with 500 Sx. of Class "C" cement + additives, circulate cement to surface.

POGO PRODUCING COMPANY ACCEPTS THE RESPONSIBILITY FOR THE OPERATION OF THIS LEASE.

4. 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.

SIGNED

TITLE

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

DATE 12/04/03

(This space for Federal or State office use)

PERMIT NO.

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/ Joe G. Lara

ACTING FIELD MANAGER

DATE

12 FEB 2004

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

811 South First, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 8080	Pool Name BRUSHY DRAW-DELAWARE
Property Code	Property Name CIMARRON "23" FEDERAL	Well Number 1
OGRID No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 2912

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	23	26-S	29-E	-	760'	SOUTH	1860'	EAST	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

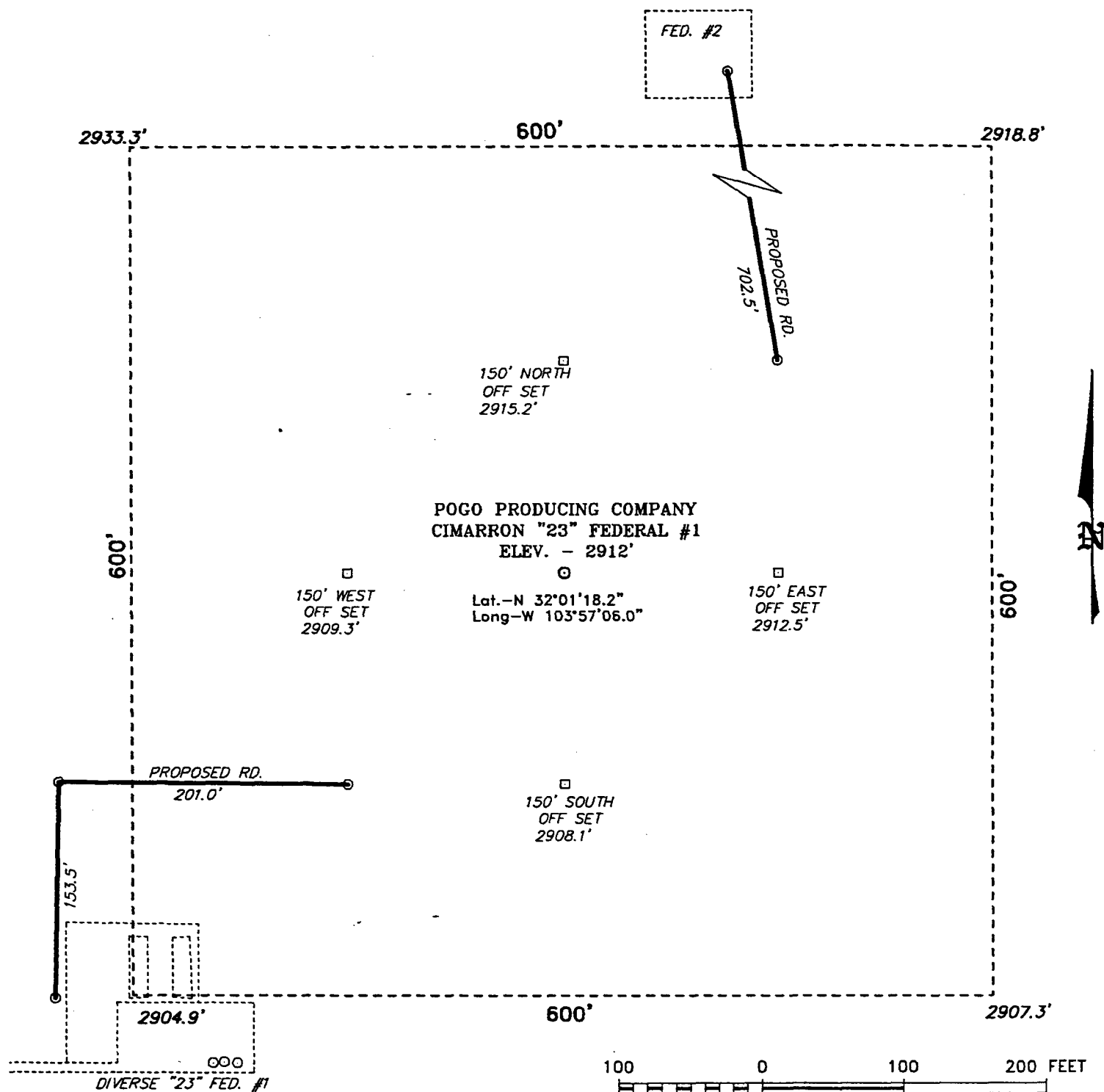
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>Lat.: N32°01'18.2" Long.: W103°57'06.0"</p> <p>2933.3' 2918.8'</p> <p>2904.9' 2907.3'</p> <p>760'</p> <p>1860'</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Joe T. Janica</i></p> <p>Signature</p> <p>Joe T. Janica</p> <p>Printed Name</p> <p>Agent</p> <p>Title</p> <p>12/04/03</p> <p>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>December 2, 2003</p> <p>Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p>Professional Surveyor</p> <p>7977</p> <p>W.O. No. 3831</p> <p>Certificate No. 7977</p> <p>JLP</p> <p>BASIN SURVEYS</p>	
	<p>Professional Surveyor</p> <p>7977</p> <p>W.O. No. 3831</p> <p>Certificate No. 7977</p> <p>JLP</p> <p>BASIN SURVEYS</p>	
	<p>Professional Surveyor</p> <p>7977</p> <p>W.O. No. 3831</p> <p>Certificate No. 7977</p> <p>JLP</p> <p>BASIN SURVEYS</p>	

EXHIBIT "A"

SECTION 23, TOWNSHIP 26 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM THE INTERSECTION OF U.S. HWY. 285 AND CO.
RD. 726 (WHITETHORN) APPROX. 11 MILES TO A
LEASE ROAD WEST, THE LOCATION IS 2000 FEET
WEST FROM THE END.

BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 3831 Drawn By: **JAMES PRESLEY**

Date: 12/03/03 Disk: JLP CD#1 - 3831A.DWG

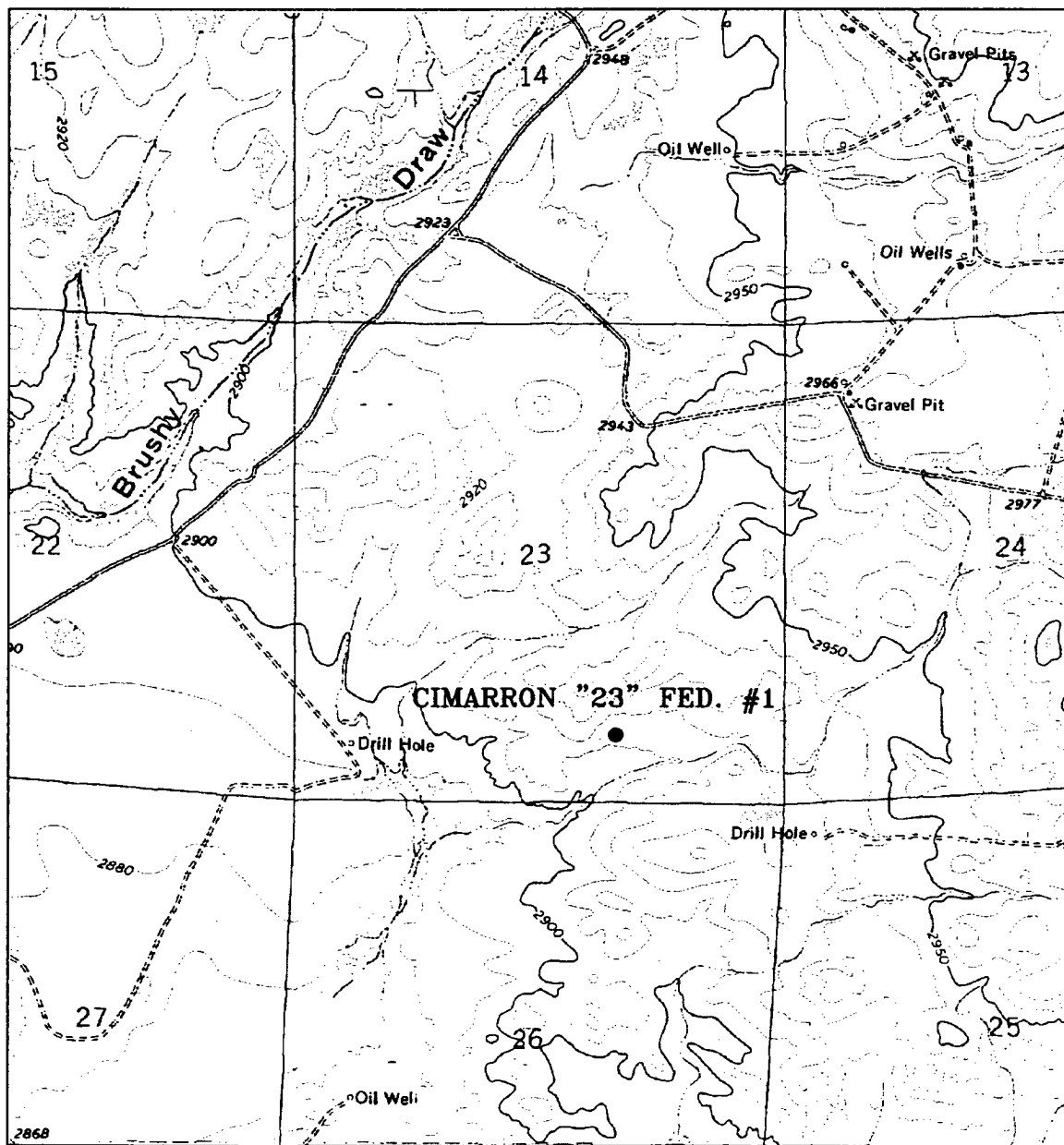
POGO PRODUCING CO.

REF: CIMARRON "23" FEDERAL #1 / Well Pad Topo

THE CIMARRON FEDERAL "23" No. 1 LOCATED 760' FROM
THE SOUTH LINE AND 1860' FROM THE EAST LINE OF
SECTION 23, TOWNSHIP 26 SOUTH, RANGE 29 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 12/02/03

Sheet 1 of 1 Sheets



CIMARRON "23" FEDERAL #1

Located at 760' FSL and 1860' FEL
 Section 23, Township 26 South, Range 29 East,
 N.M.P.M., Eddy County, New Mexico.

basin
surveys
 focused on excellence
 in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax
 basinsurveys.com

W.O. Number: 3831AA - JLP #1

Survey Date: 12/02/03

Scale: 1" = 2000'

Date: 12/03/03

POGO
PRODUCING
COMPANY

APPLICATION TO DRILL

POGO PRODUCING COMPANY
 CIMARRON "23" FEDERAL #1
 UNIT "O" SECTION 23
 T26S-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 of well: 760' FSL & 1860' FEL SECTION 23 T26S-R29E EDDY CO. NM

2. Ground Elevation above Sea Level: 2912' GR.

3. Geological age of surface formation: Quaternary Deposits:

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

5. Proposed drilling depth: 5500'

6. Estimated tops of geological markers:

Base of salt	2800'	Bell Canyon	3080'
Dealware Lime	2990'	Brushy canyon	5200'

7. Possible mineral bearing formations:

Brushy Canyon	Oil
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8. Casing Program:

Hole Size	Interval	OD of Casing	Weight	Thread	Collar	Grade
25"	0-40'	20"	NA	NA	NA	Conductor
12½"	0-600'	8 5/8"	32	8-R	ST&C	J-55
7 7/8"	0-5500'	5½"	15.5	8-R	ST&C	J-55

APPLICATION TO DRILL

POGO PRODUCING COMPANY
 CIMARRON "23" FEDERAL #1
 UNIT "O" SECTION 23
 T26S-R29E EDDY CO. NM

9. CASING CEMENTING & SETTING DEPTHS:

20"	Conductor	Set 40' of 20" conductor and cement to surface with Redi-mix.
8 5/8"	Surface	Set 600' of 8 5/8" 32# J-55 ST&C casing. Cement with 655 Sx. of Class "C" cement + 2% CaCl, + 1/4# Flocele/Sx., circulate cement to surface.
5 1/2"	Production	Set 5500' of 5 1/2" 15.5# J-55 ST&C casing. Cement 3 stages, DV Tools at 4000' & 2000'. Cement 1st stage with 400 Sx. of Class "C" cement + additives. cement 2nd stage with 600 Sx. of Class "C" cement + additive cement. 3rd stage with 500 Sx. of Class "C" cement + additives, circulate cement to surface.

10. PRESSURE CONTROL EQUIPMENT: Exhibit "E" shows a 2000 PSI working pressure B.O.P. stack with a Rotating Packoff in lieu of the annular preventor. Pressure no greater than 1100 PSI is anticipated, as other wells drilled in this area have not encountered any pressures that would cause any problems, A Capstar drilling rig will drill this hole and the sub-structure will not accomodate an annular preventor. The B.O.P. will be nipped up on the 8 5/8" casing and tested to API specifications. The B.P.O. will be operated at least once each 24 hour period, and blind rams will be operated when drill pipe is out of hole on trips. Full opening stabbing valve and upper kelly cock will available in case of need. Exhibit "E-1" shows a hydraulically operated closing unit and a 2" 2000 PSI choke manifold with adjustable chokes. No abnormal pressures or temperatures are expected in this area.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE MUD SYSTEM
40-600'	8.4-8.7	29-34	NC	Fresh water spud mud use paper to control seepage and high viscosity sweeps to clean hole.
600-5500'	10.0-10.1	29-38	NC*	Brine water use paper to to control seepage and high viscosity sweeps clean hole.

* In case water loss is required to run logs and/or casing use starch to control water loss.

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 casing, the viscosity and water loss may have to be adjusted to meet these needs.

APPLICATION TO DRILL

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL #1
UNIT "O" SECTION 23
T26S-R29E EDDY CO. NM

12. LOGGING, CORING, AND TESTING PROGRAM:

- A. Open hole logs: Dual Laterolog, CNL, LDT, Gamma Ray, Caliper from TD back to 8 5/8" casing shoe.
- B. Run Gamma Ray, Neutron from 8 5/8" casing shoe back to surface.
- C. Mud logger may be used at the discretion of the Geologist, 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 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 1100 PSI, and Estimated BHT 145°.

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 Brushy Canyon 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 bloopie 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" & "E-1"
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 telephones 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 the location is near to a dwelling a closed DST 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 separator will be brought into service along with H_2S scavengers if necessary.

SURFACE USE PLAN

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL #1
UNIT "O" SECTION 23
T26S-R29E EDDY CO. NM

1. EXISTING ROADS & PROPOSED ROADS: Area maps; Exhibit "B" is a reproduction of a County General Hi-way Map. Exhibit "C" is a reproduction of a USGS Topographic Map, showing existing 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 as staked.

B. From Malaga New Mexico take U.S. Hi-way 285 South for 12.6 miles to Co. Road 725 (Whitethorn Road) turn Left (East) go 4.2 miles bear Right on Co Road 725 go 3.9 miles bear Right follow lease road .8 miles, turn Left go .8 miles, turn Left and follow lease road to location.

C. Exhibit "F" shows the anticipated routes of flowlines and roads into these well locations.

2. PLANNED ACCESS ROADS:

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

B. Gradient of all roads will be less than 5.00%.

C. If turn-outs are necessary they will be constructed.

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 new roads will be flagged. Earth-work will be will be done as field conditions require.

F. Culverts will be placed in the access road if they are necessary. The roads will be constructed to utilize low water crossings for drainage as required by topography.

3. LOCATIONS OF EXISTING WELLS IN A ONE MILE RADIUS. EXHIBIT "A-1"

A. Water wells - One approximately 1 mile west of location.

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"

SURFACE USE PLAN

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL #1
UNIT "O" SECTION 23
T26S-R29E EDDY CO. NM

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. Possible routes of pipelines, flowlines and powerlines are shown on Exhibit "F".

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 quarters 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 furthred 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.

SURFACE USE PLAN

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL #1
UNIT "O" SECTION 23
T26S-R29E EDDY 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 & 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 polyethelene. 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.

SURFACE USE PLAN

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL #1
UNIT "O" SECTION 23
T26S-R29E EDDY CO. NM

11. ADDITIONAL INFORMATION:

- A. Topography consists of low lying hills with a dip of 1-5% to the Northwest drainage is into Brushy Draw, an intermittent tributary of the Pecos River. Soil consists of calcareous gravelly, sandy loam. Vegetation consists of creosotebush, Acacia, Prickley Pear, Barrel Cactus, Broom Snakeweed, Mesquite Yucca and native grasses.
- 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. A report of findings will be in a report that will be filed with The Bureau of Land Management in the Carlsbad Field office in Carlsbad New Mexico.
- D. There are no dwellings in the near vicinity of this location.

12. OPERATOR'S REPRESENTATIVES:

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 conformity 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 : 12/04/03
TITLE : Agent

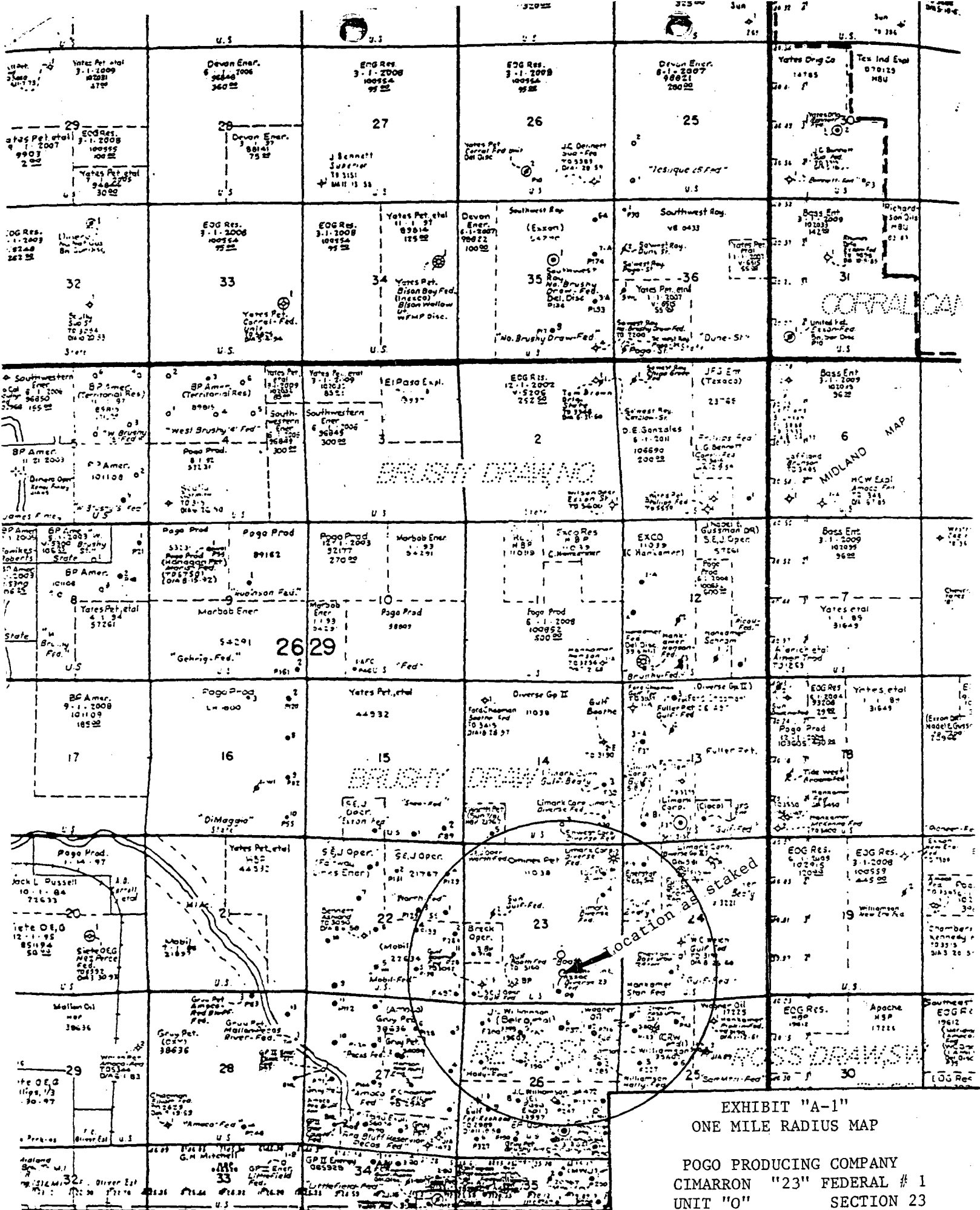


EXHIBIT "A-1"
ONE MILE RADIUS MAP

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL # 1
UNIT "O" SECTION 23
T26S-R29E EDDY CO. NM

REEVES, North
R. 29-E
LOVING County

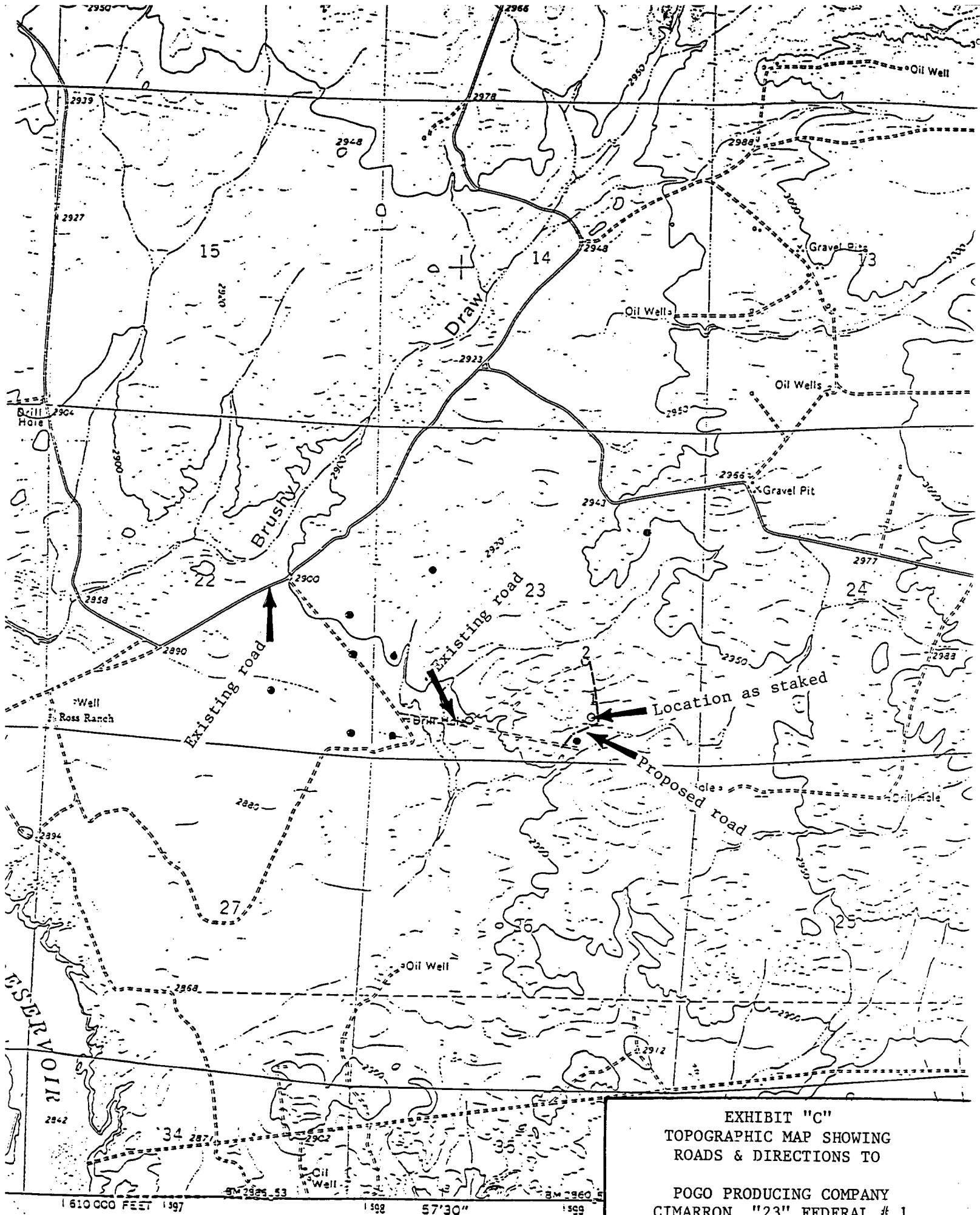


EXHIBIT "C"
TOPOGRAPHIC MAP SHOWING
ROADS & DIRECTIONS TO

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL # 1
UNIT "O" SECTION 23
T26S-R29E EDDY CO. NM

100'

OUTSIDE PIT

100'

INSIDE PIT

RESERVE SHOULD BE PUSHED OUT

5' DEEP

5' DEEP

10'

20'

MUD PUMP

MUD PUMP

100'

RIG

BOOM

100'

40'

H.M.

WATER TANK

POGIOUS

120'

PIPE RACKS

CELLAR
4X6X4 BOX
(Cellar should not be dug with dozer)

ROAD

TRAILER HOUSE

- 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

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL # 1
UNIT "O" SECTION 23
T26S-R29E EDDY CO. NM

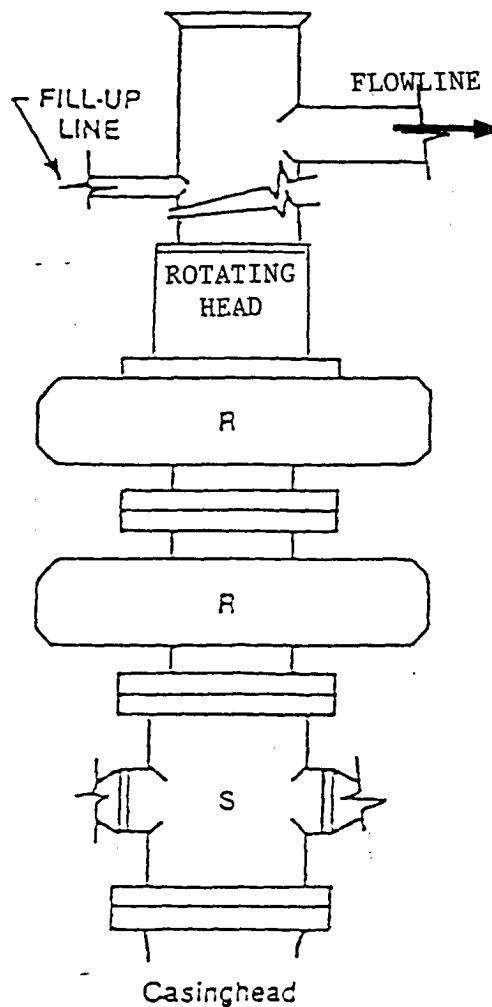


FIGURE K1-1. Recommended IADC Class 2 BOP stack, 2000 psi WP.
Either SRd (left) or SA (right) arrangement is acceptable and drilling
spool is optional.

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

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL # 1
UNIT "O" SECTION 23
T26S-R29E EDDY CO. NM

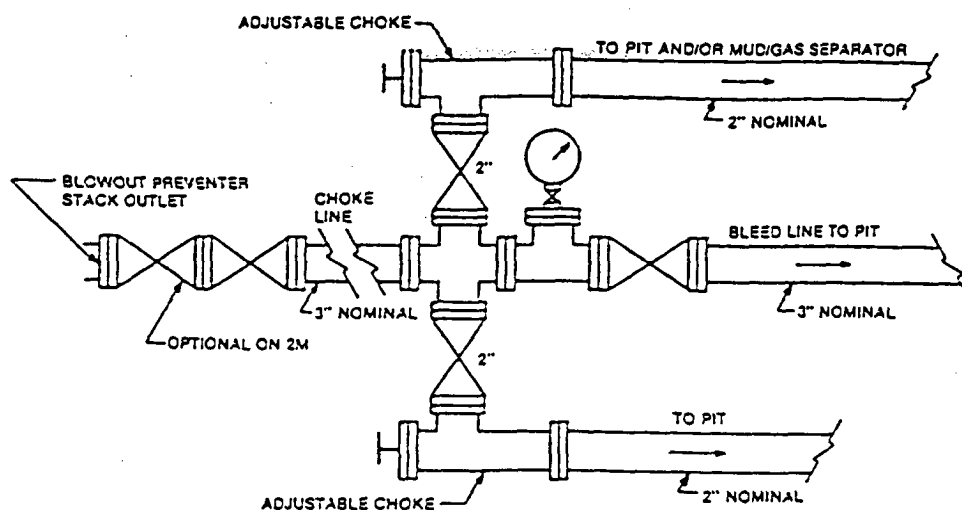


FIGURE K-1. Typical choke manifold assembly for 2M and 3M rated working pressure service — surface installation.

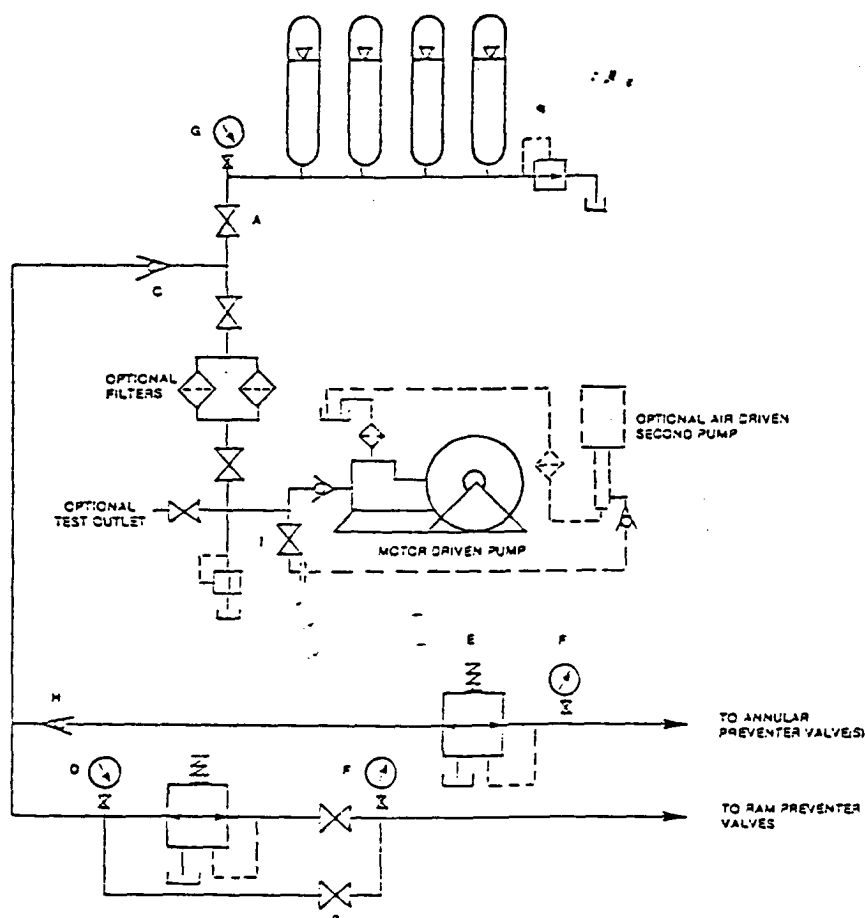
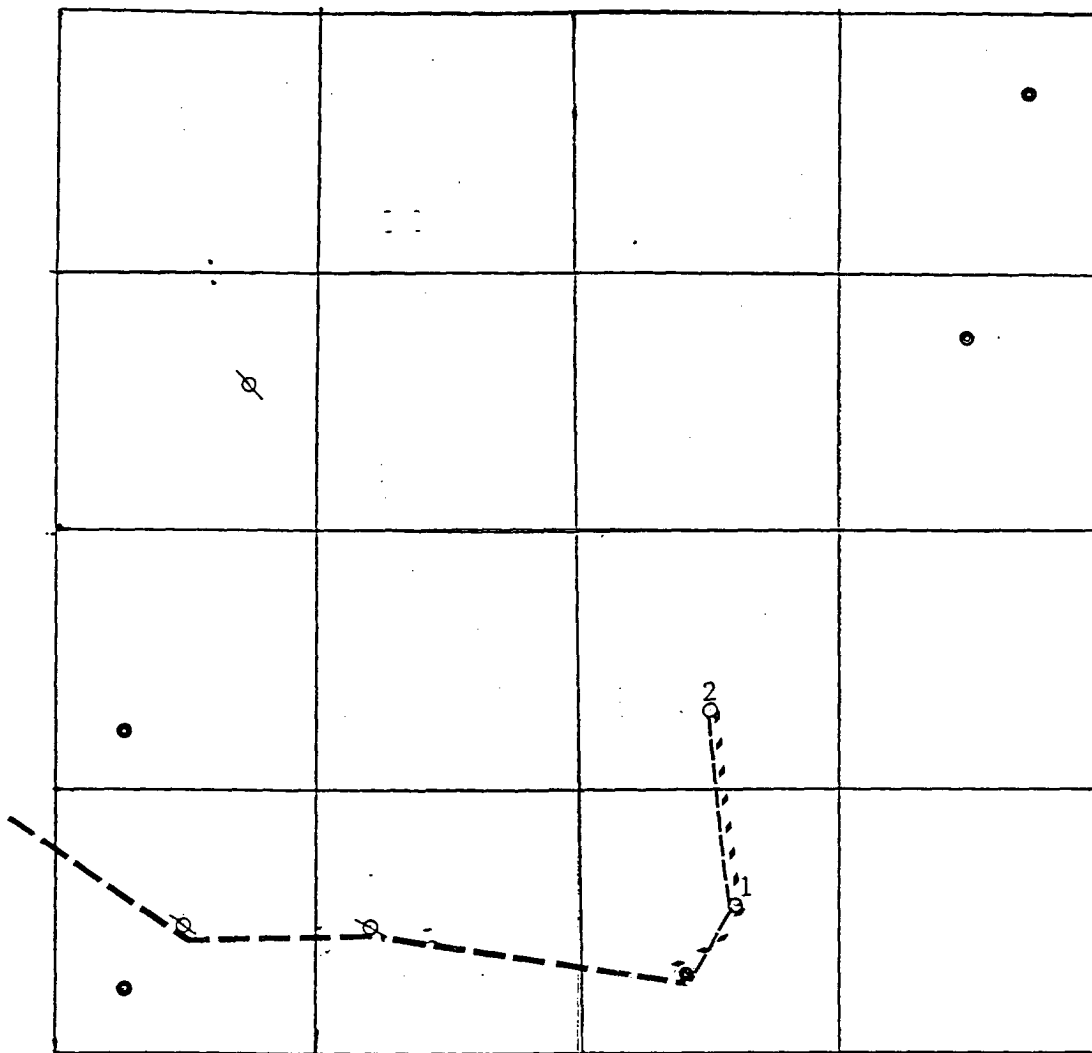


FIGURE K-6-1. The schematic sketch of an accumulator system shows required and optional components.

EXHIBIT "E-1"
CHOKE MANIFOLD & CLOSING UNIT

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL # 1
UNIT "O" SECTION 23
T26S-R29E EDDY CO. NM

SECTION 23 T26S-R29E
EDDY CO. NM



EXISTING ROAD ————
PROPOSED ROAD - - - - -
PROPOSED FLOWLINE ————

EXHIBIT "F"
ROUTE OF PROPOSED
ROADS & FLOWLINES

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL # 1
UNIT "O" SECTION 23
T26S-R29E EDDY CO. NM