UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(reverse side)

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

0902

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: NM-11038

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ---

7. UNIT AGREEMENT NAME: ---

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

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

8. FARM OR LEASE NAME, WELL NO.: CIMARRON "23" FEDERAL # 6

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

9. API WELL NO.: 30-015-33663

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

10. FIELD AND POOL, OR WILDCAT: BRUSHY DRAW-DELAWARE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1900' FNL & 2310' FWL SECTION 23 T26S-R29E EDDY CO. NM
At proposed prod. zone: SAME

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SEP 22 2004
OCD-ARTESIA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SECTION 23 T26S-R29E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 20 miles Southeast of Malaga New Mexico

12. COUNTY OR PARISH: 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): 1900'

16. NO. OF ACRES IN LEASE: 600

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1400'

19. PROPOSED DEPTH: 5300'

20. ROTARY OR CABLE TOOLS: ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 2928' 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.
12¼"	J-55 8 5/8"	32	650' 600'	655 Sx. circulate to surface
7 7/8"	J-55 5½"	15.5	5300'	1350 Sx. " " "

WITNESS

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

2. Drill 12¼" 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, + ¼# Flocele/Sx. circulate cement to surface.

3. Drill 7 7/8" hole to 5300'. Run and set 5300' of 5½" 15.5# J-55 ST&C casing. Cement in 2 stages with DV Tool at 2800'. Cement 1st stage with 750 Sx. of Class "C" cement + additives, cement 2nd stage with 600 Sx. of Class "C" cement + additives, circulate cement to surface.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

CARLSBAD CONTROLLED WATER BASIN

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 09/03/04

(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:

APPROVED BY /s/ Joe G. Lara TITLE FIELD MANAGER DATE 20 SEP 2004

*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

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

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	8080	BRUSHY DRAW-DELAWARE

Property Code	Property Name	Well Number
	CIMARRON "23" FEDERAL	6

OGRID No.	Operator Name	Elevation
17891	POGO PRODUCING COMPANY	2928'

Surface Location

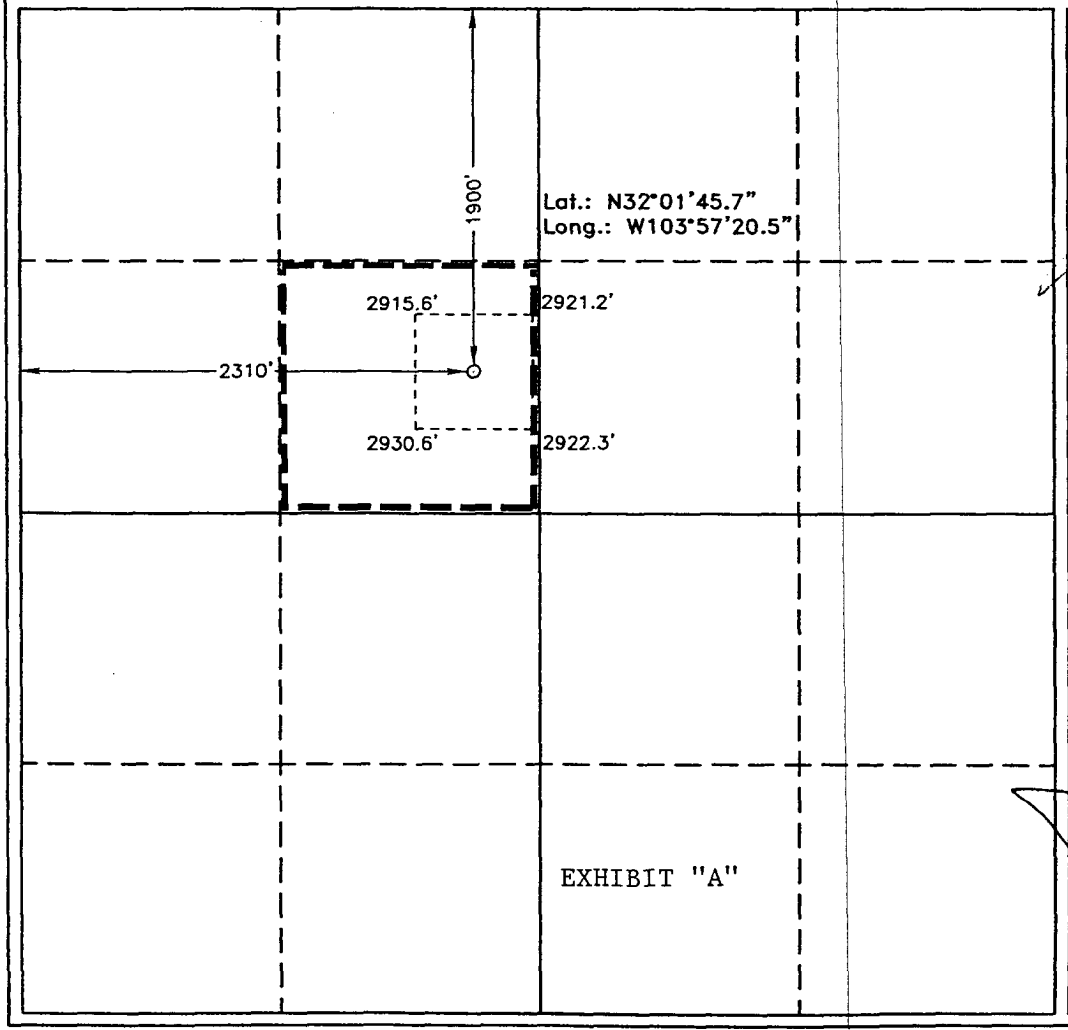
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	23	26 S	29 E		1900	NORTH	2310	WEST	EDDY

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	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 the the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Joe T. Janica
Printed Name

Agent
Title

09/03/04
Date

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 supervison, and that the same is true and correct to the best of my belief.

JULY 19, 2004
Date Surveyed

Signature & Seal of Professional Surveyor

GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL LAND SURVEYOR

W.O. No. 4457

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

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: Cima-ron 23 Fed #6 API #: _____ U/L or Qtr/Qtr F Sec 23 T 26 R 29
County: Eddy Latitude 32:01:45.7N Longitude 103:57:20.5W 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 16,000 bbl

Below-grade tank
Volume: ____ bbl Type of fluid: _____
Construction material: _____
Double-walled, with leak detection? Yes ☐ If not, explain why not. _____

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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) 10 (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)		10

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: 09/23/04
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: SEP 28 2004
Printed Name/Title Gerry Guye Compliance Officer Signature Gerry Guye

Water Resources

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

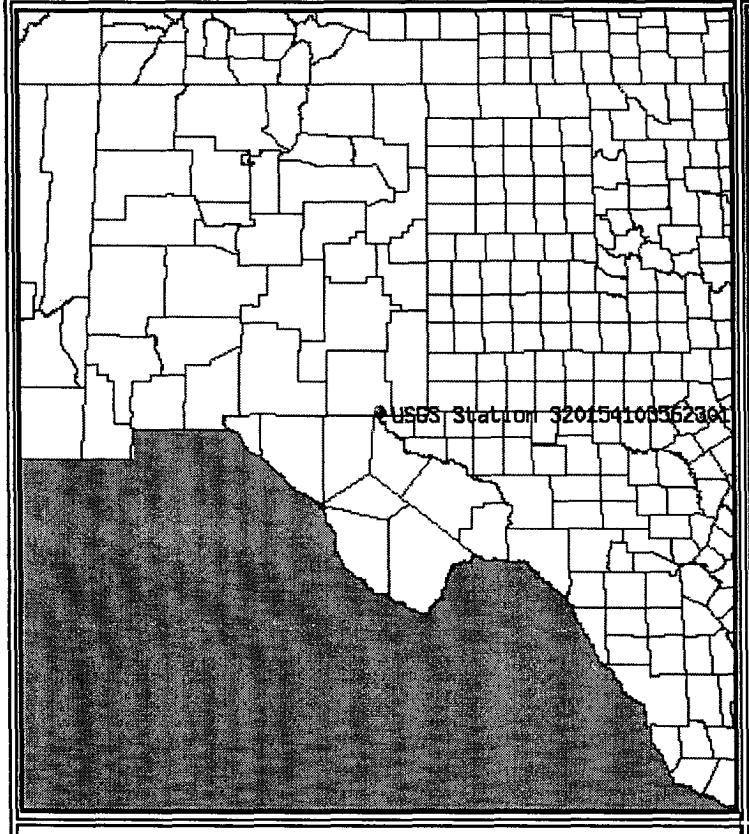
Site Map for New Mexico

USGS 320154103562301 26S.29E.22.23341

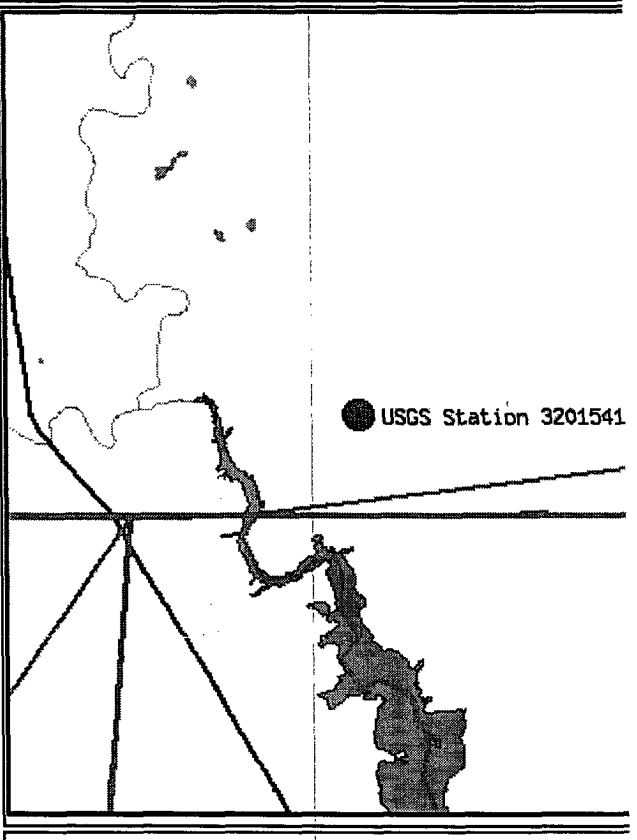
Available data for this site | Station site map | GO

Eddy County, New Mexico
Hydrologic Unit Code
Latitude 32°01'54", Longitude 103°56'23" NAD27
Gage datum 2,885.60 feet above sea level NGVD29

Location of the site in New Mexico.



Site map.



ZOOM IN 2X, 4X, 6X, 8X, or ZOOM OUT 2X 6X. 8X.

Maps are generated by US Census Bureau TIGER Mapping Service.

Questions about data gs-w-nm_NWISWeb_Data_Inquiries@usgs.gov Top
Feedback on this website gs-w-nm_NWISWeb_Maintainer@usgs.gov Explanation of terms

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

Water Resources

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 = • 320154103562301

Save file of selected sites to local disk for future upload

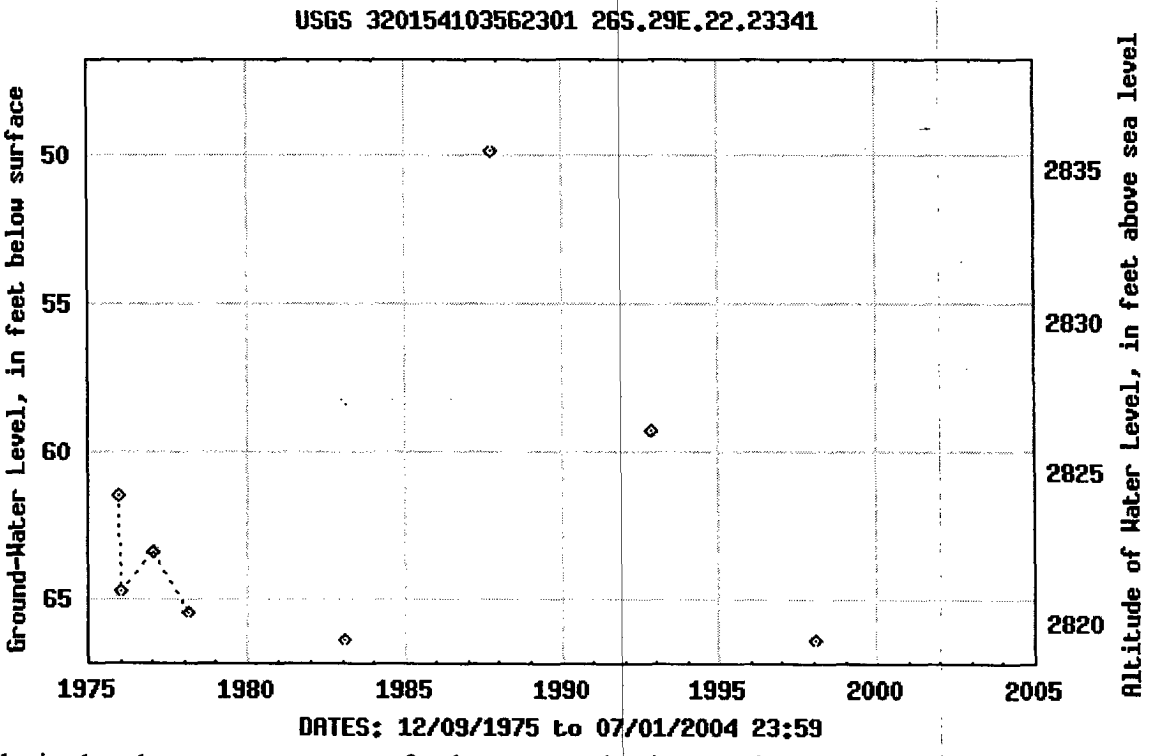
USGS 320154103562301 26S.29E.22.23341

Available data for this site Ground-water: Levels GO

Eddy County, New Mexico
Hydrologic Unit Code
Latitude 32°01'54", Longitude 103°56'23" NAD27
Gage datum 2,885.60 feet above sea level NGVD29
The depth of the well is 200 feet below land surface.
This well is completed in RUSTLER FORMATION (312RSLR)

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.

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	
32:01:45.7	N	103:57:20.5	W
Lat2		**Lon2**	
32:01:54	N	103:56:23	W

Output

Course 1-2	Course 2-1	Distance
80.332766	260.34123	0.82413494

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

Compute Reset

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

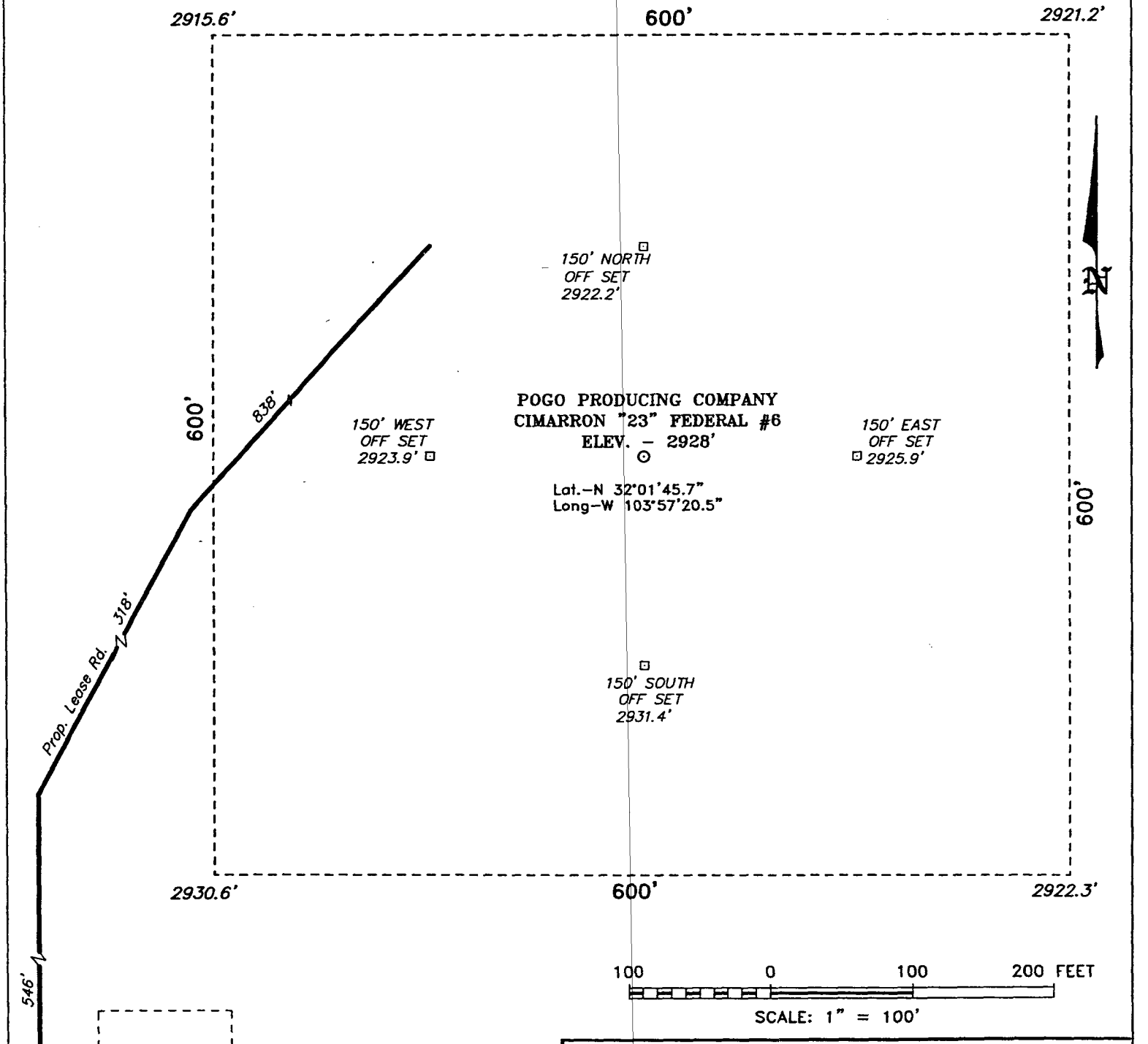
Enter lat/lon of initial point, true course and distance. Select distance units and earth model and click "compute". Lat/lons may be entered in DD.DD, DD:MM.MM or DD:MM:SS.SS formats.

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	

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



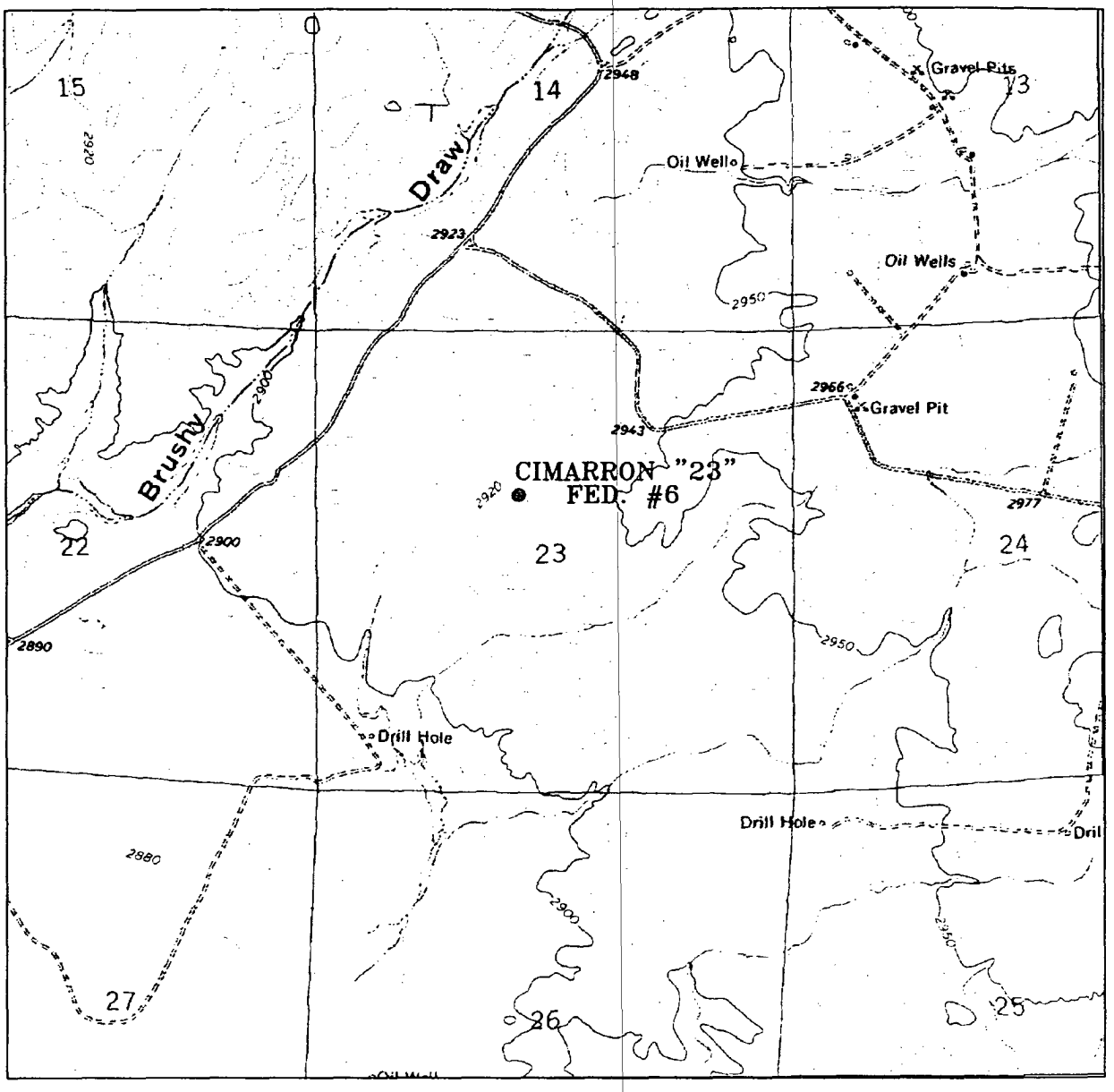
POGO PRODUCING CO.

REF: CIMARRON "23" FED. #6 / Well Pad Topo

THE CIMARRON "23" FED. No. 6 LOCATED 1900' FROM THE NORTH LINE AND 2310' FROM THE WEST LINE OF SECTION 23, TOWNSHIP 26 SOUTH, RANGE 29 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

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

W.O. Number: 4457	Drawn By: K. GOAD		
Date: 07-21-2004	Disk: KJG CD#4 - 4457A.DWG	Survey Date: 07-19-2004	Sheet 1 of 1 Sheets



CIMARRON "23" FEDERAL #6
Located at 1900' FNL and 2310' FWL
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:	4457AA - KJG CD#5
Survey Date:	07-19-2004
Scale:	1" = 2000'
Date:	07-21-2004

POGO PRODUCING COMPANY

APPLICATION TO DRILL

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL # 6
UNIT "F" 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: 1900' FNL & 2310' FWL SECTION 23 T26S-R29E EDDY CO. NM

2. Elevation above Sea Level: 2928' 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: 5300'

6. Estimated tops of geological markers:

Basal Anhydrite	2776'	Cherry CAnyon	3914'
Delaware Lime	2979'	Brushy Canyon	5176'
Bell Canyon	3080'	Bone Spring	6900'

7. Possible mineral bearing formations:

Brushy Canyon	Oil

8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
25"	0-40	20"	NA	NA	NA	Conductor
12¼"	0-~~600'~~ 650'	8 5/8"	32#	8-R	ST&C	J-55
7 7/8"	0-5300'	5½"	15.5#	8-R	ST&C	J-55

APPLICATION TO DRILL

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL # 6
UNIT "F" SECTION 23
T26S-R29E EDDY CO. NM

9. CEMENTING & CASING SETTING DEPTHS:

20"	Conductor	Set 40' of 20" conductor and cement to surface wity Redi-mix.
8 5/8"	Surface	Set 650' of 8 5/8" 32# J-55 ST&C casing. CEment with 655 Sx. of Class "C" cement + 2% CaCl, + ¼# Flocele/Sx, circulate cement to surface.
5½"	Production	Set 5300' of 5½" 15.5# J-55 ST&C casing. Cement in two stages with DV Tool at 2800'±. Cement 1st stage with 750 Sx. of Class "C" cement + additives, Cement 2nd stage with 600 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., 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 1700 PSI at total depth. Pogo requests permission to 3rd party test of the B.O.P. The B.O.P. will be nippled up on the 8 5/8" casing and will be tested according to API specifications. Exhibit "E-1" shows a manually operated chole manifold, as no remote closing unit will be required.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE MUD
40-650'	8.4-8.7	29-32	NC	Fresh water use paper to control seepage.
650-5300'	10.0-10.2	29-38	NC*	Brine water use paper to control seepage and high viscosity sweeps to clesn hole.

* Water loss may have to be controled in order to protect formation from damage, run open hole logs, DST's and casing. If these conditions are required then a Polymer base mud should beused.

APPLICATION TO DRILL

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL # 6
UNIT "F" SECTION 23
T26S-R29E EDDY CO. NM

12. LOGGING, CORING, AND TESTING PROGRAM:

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

B. Cased hole log: Gamma Ray, Neutron from 8 5/8" casing shoe back to surface.

C. No cores, DST's are planned at this time, a mud logger may be placed on the hole at the geologists reccommendation.

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 1700 PSI, and Estimated BHT 130°.

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 DELAWARE 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" & "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 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 the location is near to a dwelling a closed DST 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.

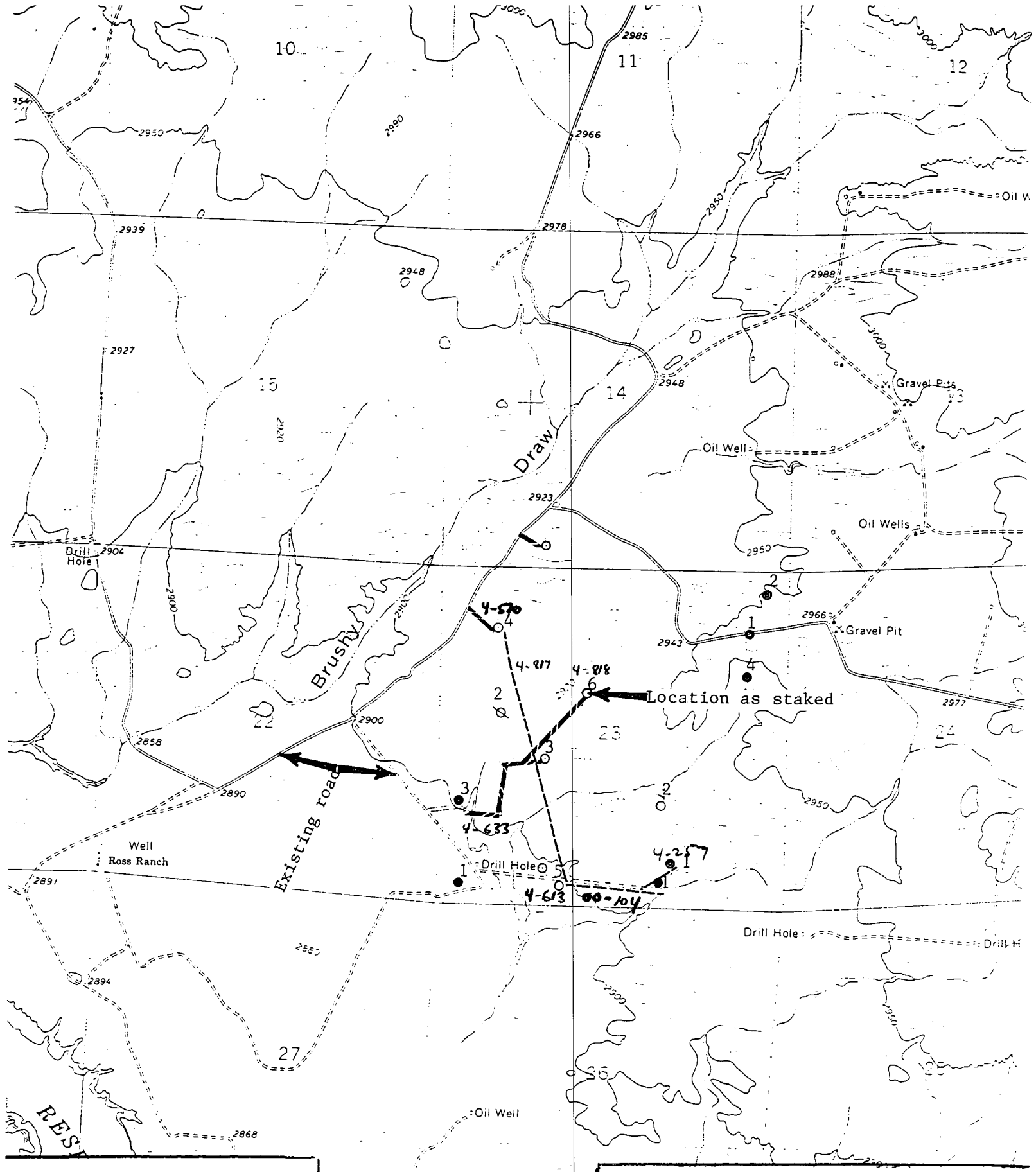
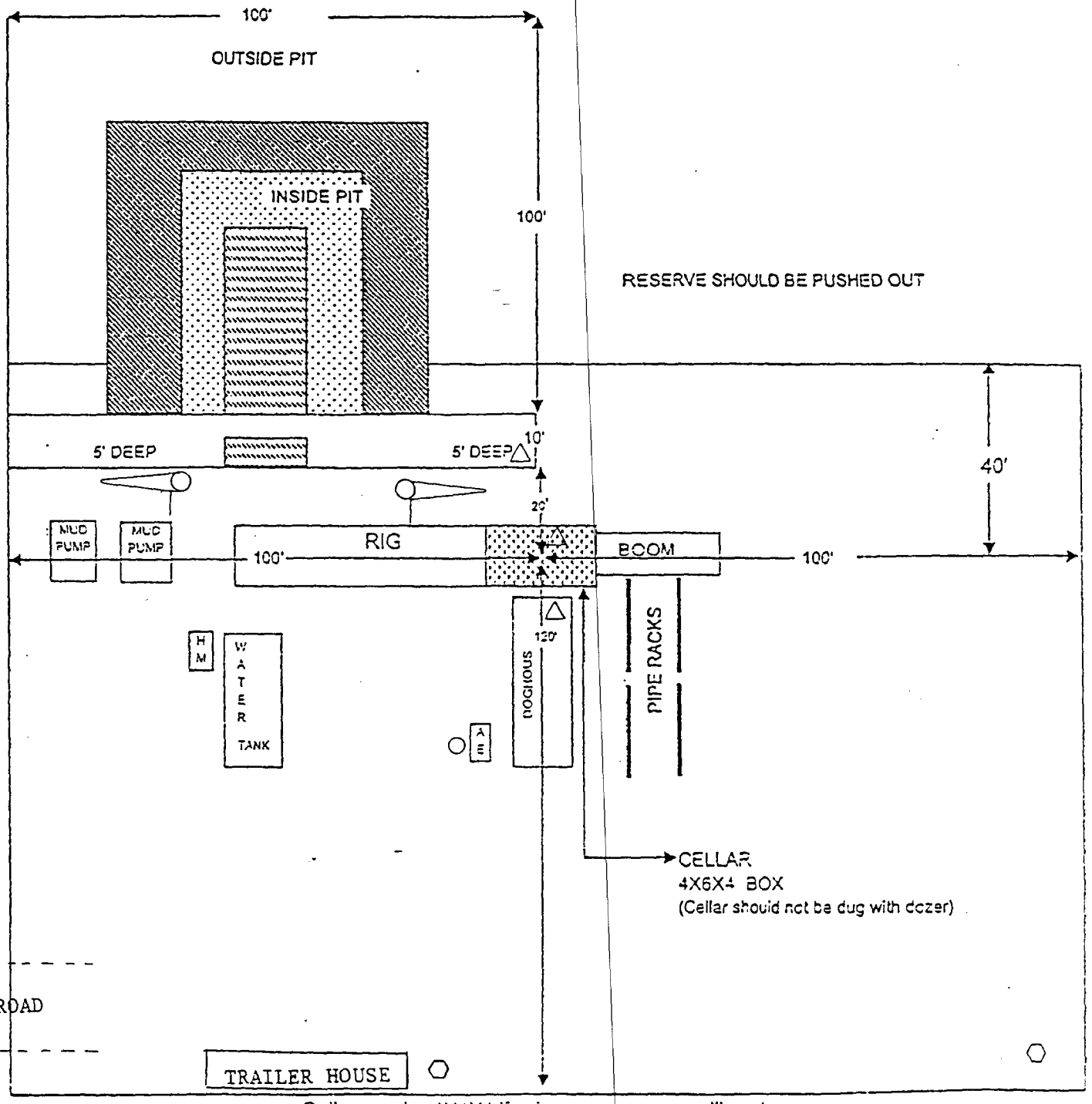


EXHIBIT "C"
TOPOGRAPHIC MAP SHOWING
ROADS & DIRECTIONS TO

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL # 6
UNIT "F" SECTION 23
T26S-R29E EDDY CO. NM

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

POG PRODUCING COMPANY
CIMARRON "23" FEDERAL #6
UNIT "F" SECTION 23
T26S-R29E EDDY CO. NM

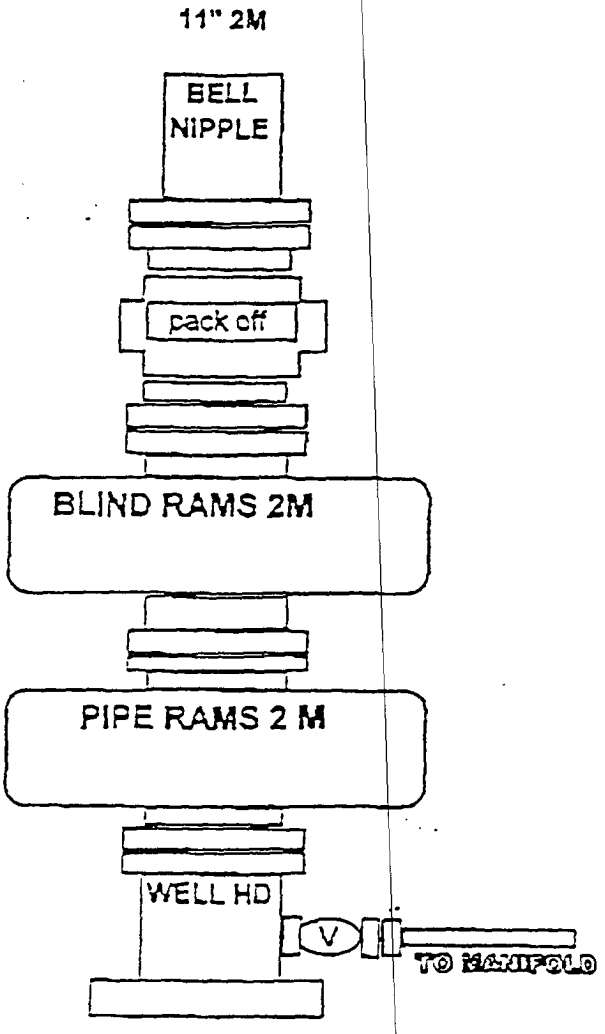


EXHIBIT "E"
SKETCH OF B.O.P. TO BE USED ON

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL # 6
UNIT "F" SECTION 23
T26S-R29E EDDY CO. NM

CHOKE MANIFOLD

3000 PSI WP

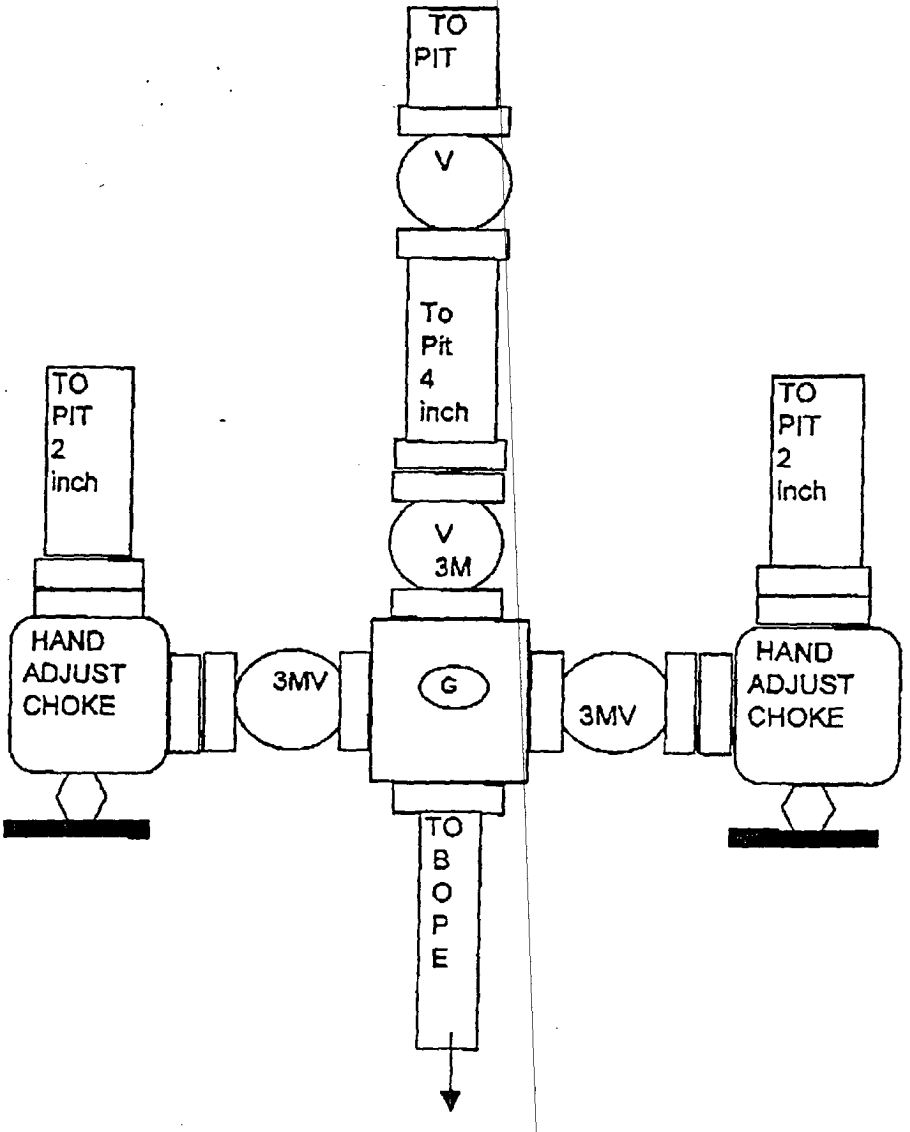


EXHIBIT "E-1"
SKETCH OF CHOKE MANIFOLD

POGO PRODUCING COMPANY
CIMARRON "23" FEDERAL #6
UNIT "F" SECTION 23
T26S-R29E EDDY CO. NM