

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address: Pogo Producing Company P.O. Box 10340 Midland, Texas 79702		OGRID Number 017891
		API Number 30-015-29309
Property Code 17565	Property Name Harroun "15"	Well No. 4

Surface Location O. C. D.

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	East/West Line	County
I	15	24S	29E		2260'	South	330'	Eddy

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	East/West Line	County

Proposed Pool 1 Cedar Canyon, Delaware 11540	Proposed Pool 2
---	-----------------

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 2938'
Multiple S	Proposed Depth 5500'	Formation Delaware	Contractor N/A	Spud Date Upon Approval

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14-3/4"	10-3/4"	32.75# H-40	550'	400 sks.	Surface
7-7/8"	5-1/2"	15.5# J-55	5500'	1500 sks.	Surface

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

This proposed well is a Delaware test.

B.O.P. Sketch is attached.

Posted FD-1
N/A API
12-27-96

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

Title:

Date:

12/12/96

Phone:

(915) 682-6601

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Conditions of Approval:

Attached ☐

Jim W. Green

District Supervisor

12-23-96

Expiration Date: 12-23-98

B6A

P.O. Box 1280, Hobbs, NM 88241-1280

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

P.O. Drawer DD, Artesia, NM 88211-0719

1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-29309	Pool Code 11540	Pool Name Cedar Canyon (Delaware)
Property Code	Property Name HARROUN 15	Well Number 4
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 2938'

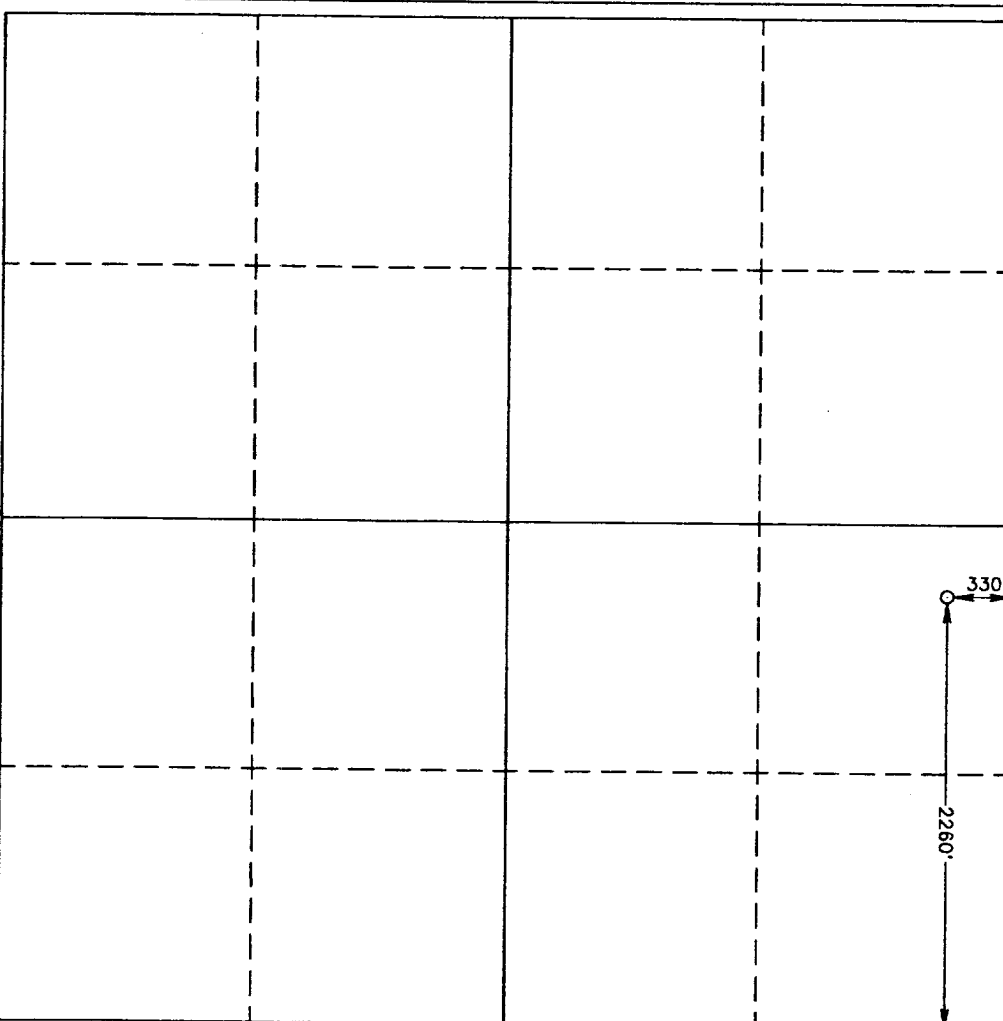
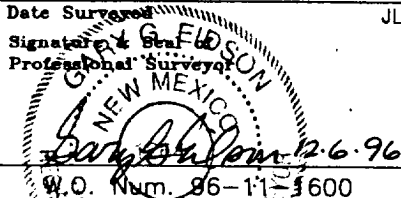
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	15	24 S	29 E		2260	SOUTH	330	EAST	EDDY

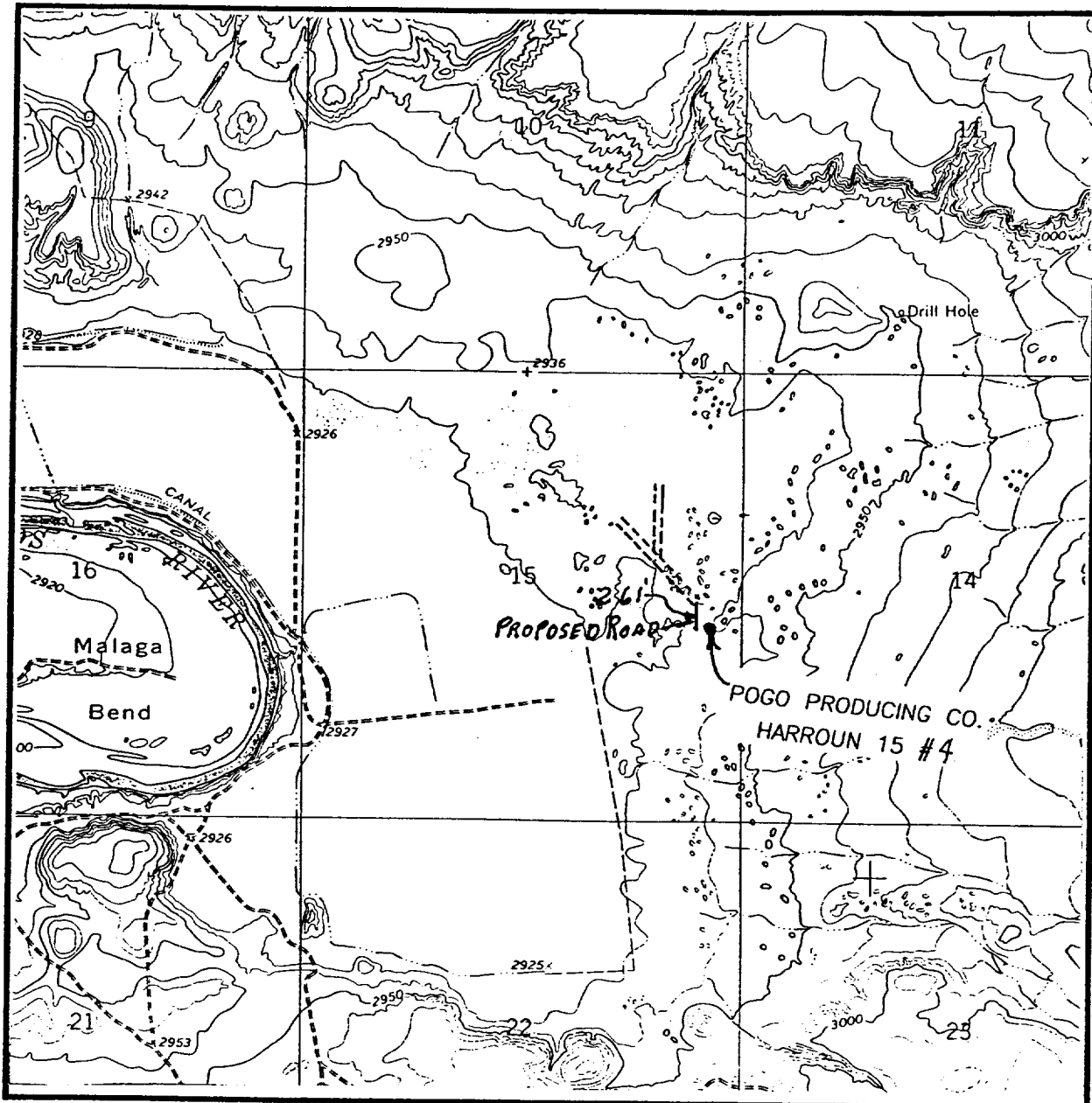
Bottom Hole Location If Different From Surface

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.					

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>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i> <u>James M.C. Ritchie, Jr.</u> Signature <u>James M.C. Ritchie, Jr.</u> Printed Name <u>Agent</u> Title <u>12/06/96</u> Date
	SURVEYOR CERTIFICATION <i>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.</i> DECEMBER 5, 1996 Date Surveyed Signature <u>G. EIDSON</u> JLP Professional Surveyor  W.O. Num. 96-111600 Certificate No. <u>JOHN W. WEST, 676</u> <u>RONALD E. EIDSON, 3239</u> <u>GARY G. EIDSON, 12841</u>

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL - 10'

SEC. 15 TWP. 24-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 2260' FSL & 330' FEL

ELEVATION 2938'

OPERATOR POGO PRODUCING CO.

LEASE HARROUN 15

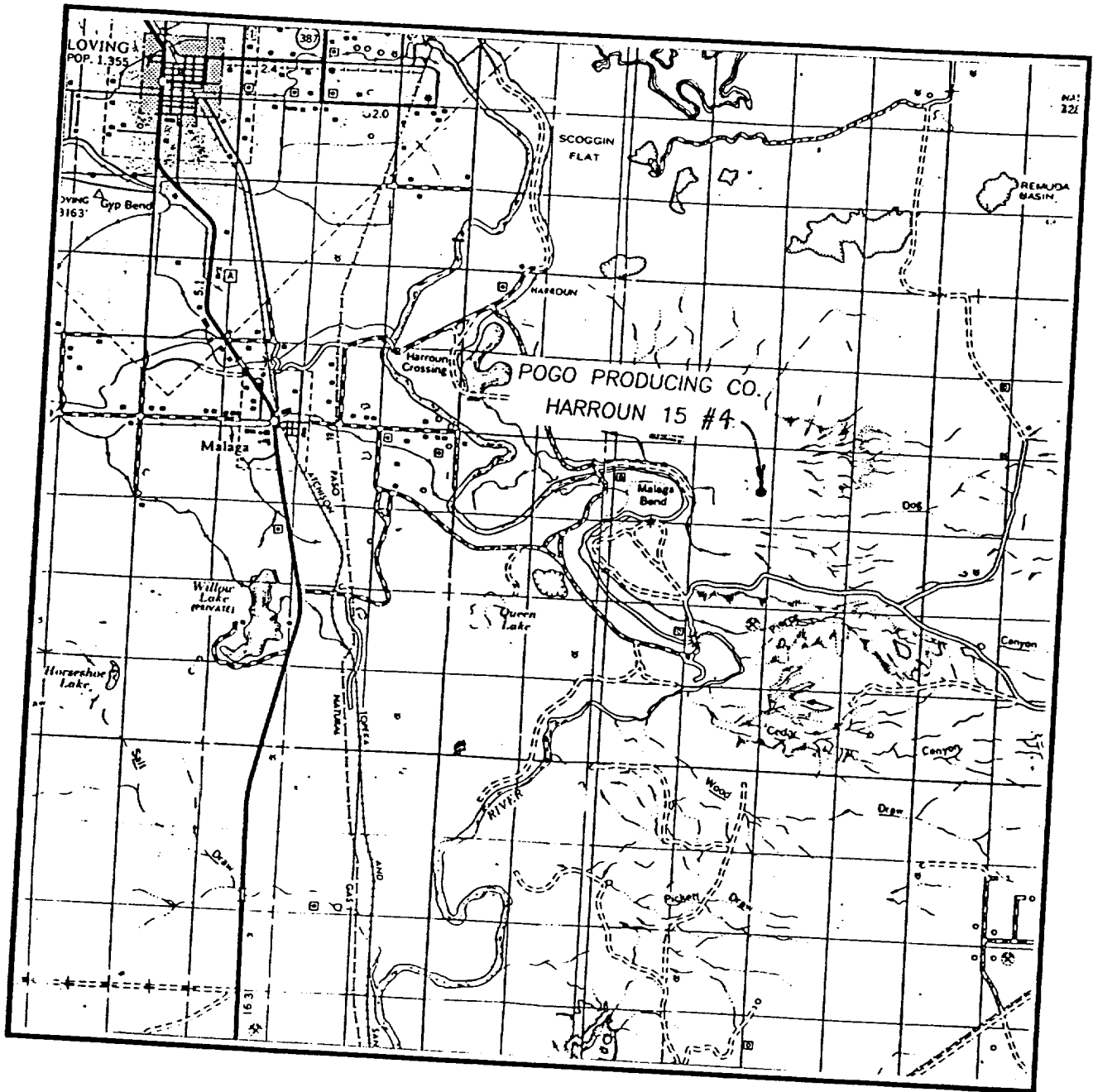
U.S.G.S. TOPOGRAPHIC MAP

PIERCE CANYON, N.M.

**JOHN WEST ENGINEERING
HOBBS, NEW MEXICO**

(505) 393-3117

VICINITY MAP

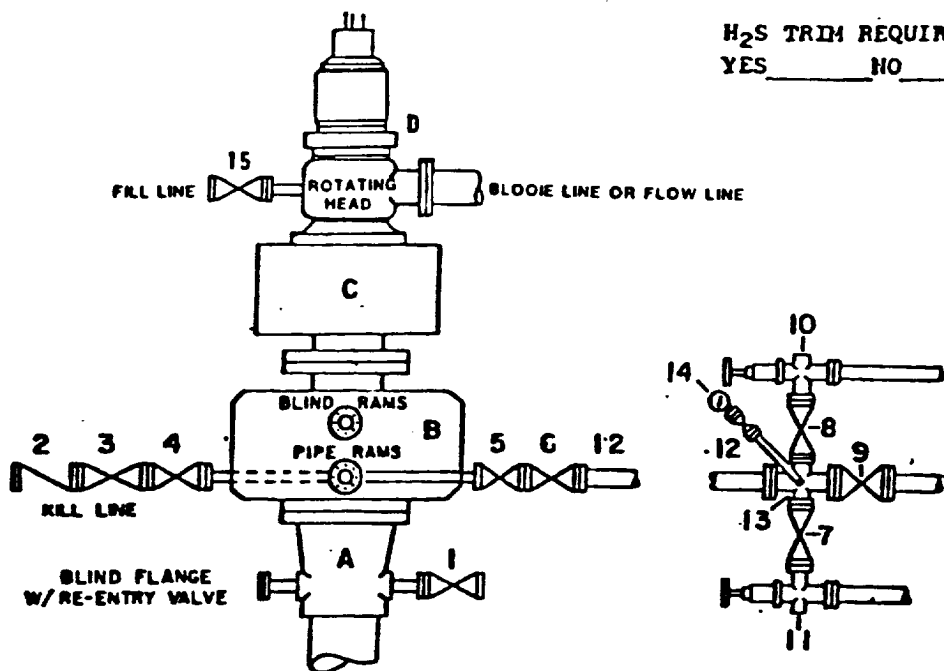


SCALE: 1" = 2 MILES

SEC. 15 TWP. 24-S RGE. 29-E
SURVEY _____ N.M.P.M. _____
COUNTY _____ EDDY _____
DESCRIPTION 2260' FSL & 330' FEL
ELEVATION _____ 2938' _____
OPERATOR POGO PRODUCING CO.
LEASE _____ HARROUN 15 _____

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

DRILLING CONTROL **CONDITION III-B 3000 PSI WP**



H₂S TRIM REQUIRED
 YES _____ NO _____

DRILLING CONTROL

MATERIAL LIST - CONDITION III - B

- | | |
|------------|---|
| A | Wellhead |
| B | 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where sub-structure height is adequate, 2 - 3000# W.P. single ram preventers may be utilized with 3000# W.P. drilling spool with 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line. The drilling spool is to be installed below the single ram type preventers). |
| C | 3000# W.P. Annular Preventer with 1" steel, 3000# W.P. control lines. |
| D | Rotating Head with fill up outlet and extended Blooie line. |
| 1,3,4,7,8, | 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve. |
| 2 | 2" minimum 3000# W.P. back pressure valve. |
| 5,6,9 | 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve. |
| 12 | 3" minimum Schedule 80, Grade B, seamless line pipe. |
| 13 | 2" minimum x 3" minimum 3000# W.P. flanged cross. |
| 10,11 | 2" minimum 3000# W.P. adjustable choke bodies. |
| 14 | Cameron Mud Gauge or equivalent (location optional in Choke line). |
| 15 | 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve. |

SCALE	DATE	EST. NO.	DRG. NO.
DRAWN BY			
CHECKED BY			
APPROVED BY			

EXHIBIT E