

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
Property Code 17565	Property Name Harroun "15"	API Number 30-015-29310
		Well No. 5

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
B	15	24S	29E		330'	North	1650'	East	Eddy

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	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 2930'
Multiple S	Proposed Depth 5500'	Formation Delaware	Contractor N/A	Spud Date Upon Approval

21 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 TOI
H & APE
DEC 20 '96
12-27-96
O. C. D.
ARTESIA, OFFICE

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>James M.C. Ritchie, Jr.</i> Printed name: James M.C. Ritchie, Jr. Title: Agent Date: 12/12/96		OIL CONSERVATION DIVISION Approved by: <i>Jim W. Green</i> Title: District Supervisor Approval Date: 12-23-96 Expiration Date: 12-23-97 Conditions of Approval: Attached <input type="checkbox"/>	
Phone: (915) 682-6601			

DISTRICT I

P.O. Box 1880, Hobbs, NM 88241-1880

DISTRICT II

P.O. Drawer DD, Artesia, NM 88211-0710

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2068, Santa Fe, NM 87504-2068

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994
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OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-29310	Pool Code 11540	Pool Name Cedar Canyon (Delaware)
Property Code	Property Name HARROUN 15	Well Number 5
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 2930'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	15	24 S	29 E		330	NORTH	1650	EAST	EDDY

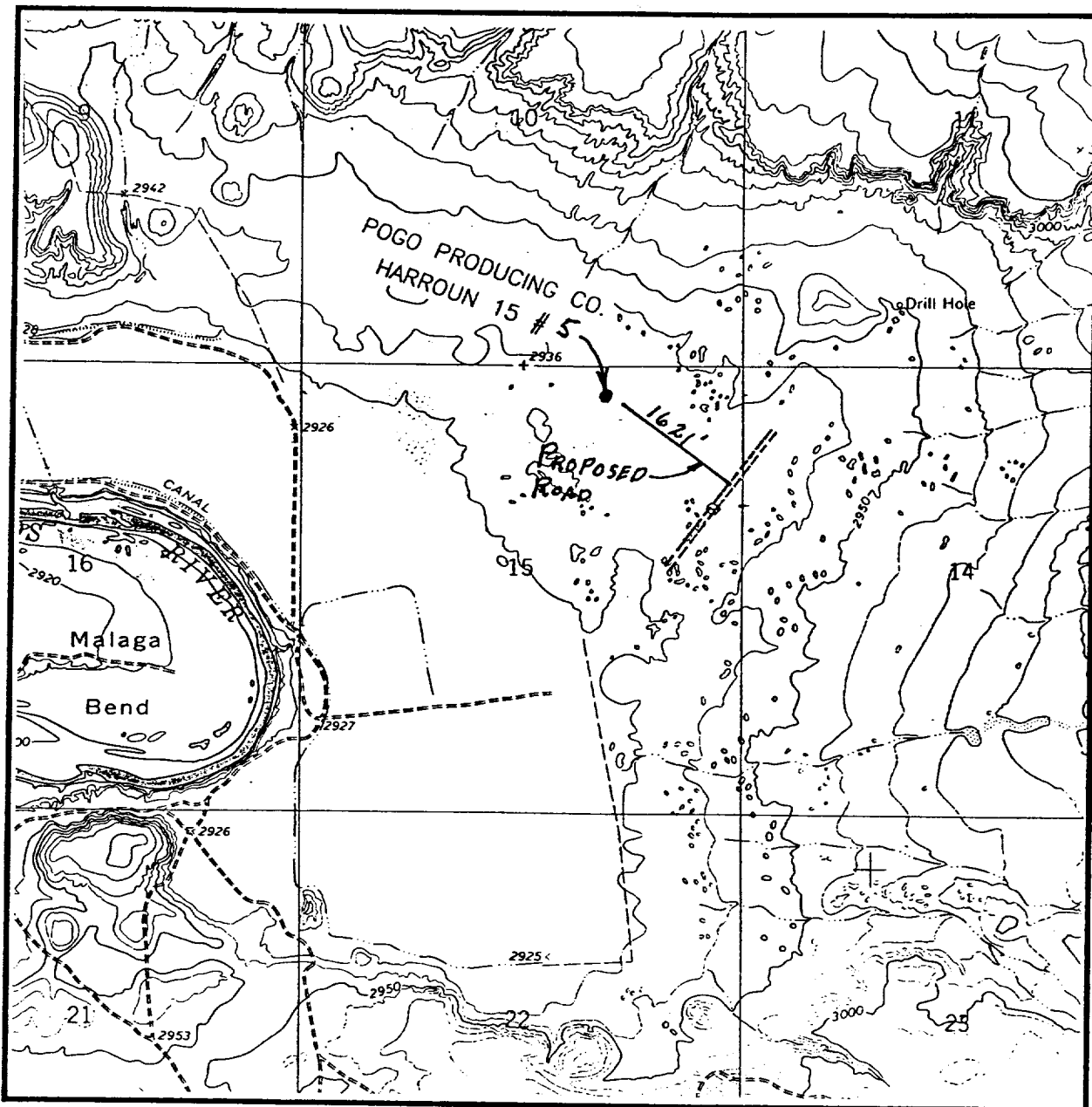
Bottom Hole Location If Different From Surface

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 hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>James M.C. Ritchie, Jr.</u> Printed Name <u>James M.C. Ritchie, Jr.</u> Agent Title Date <u>12/06/96</u>	
	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. Date Surveyed <u>DECEMBER 5, 1996</u>	
	Date Surveyed <u>12-6-96</u> Signature & Seal of Professional Surveyor <u>GARY G. EIDSON</u> W.O. Num. <u>96-1599</u>	
	Certificate No. <u>1000 W. WEST, 676</u> <u>RONALD J. 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 330' FNL & 1650' FEL

ELEVATION 2930'

OPERATOR POGO PRODUCING CO.

LEASE HARROUN 15

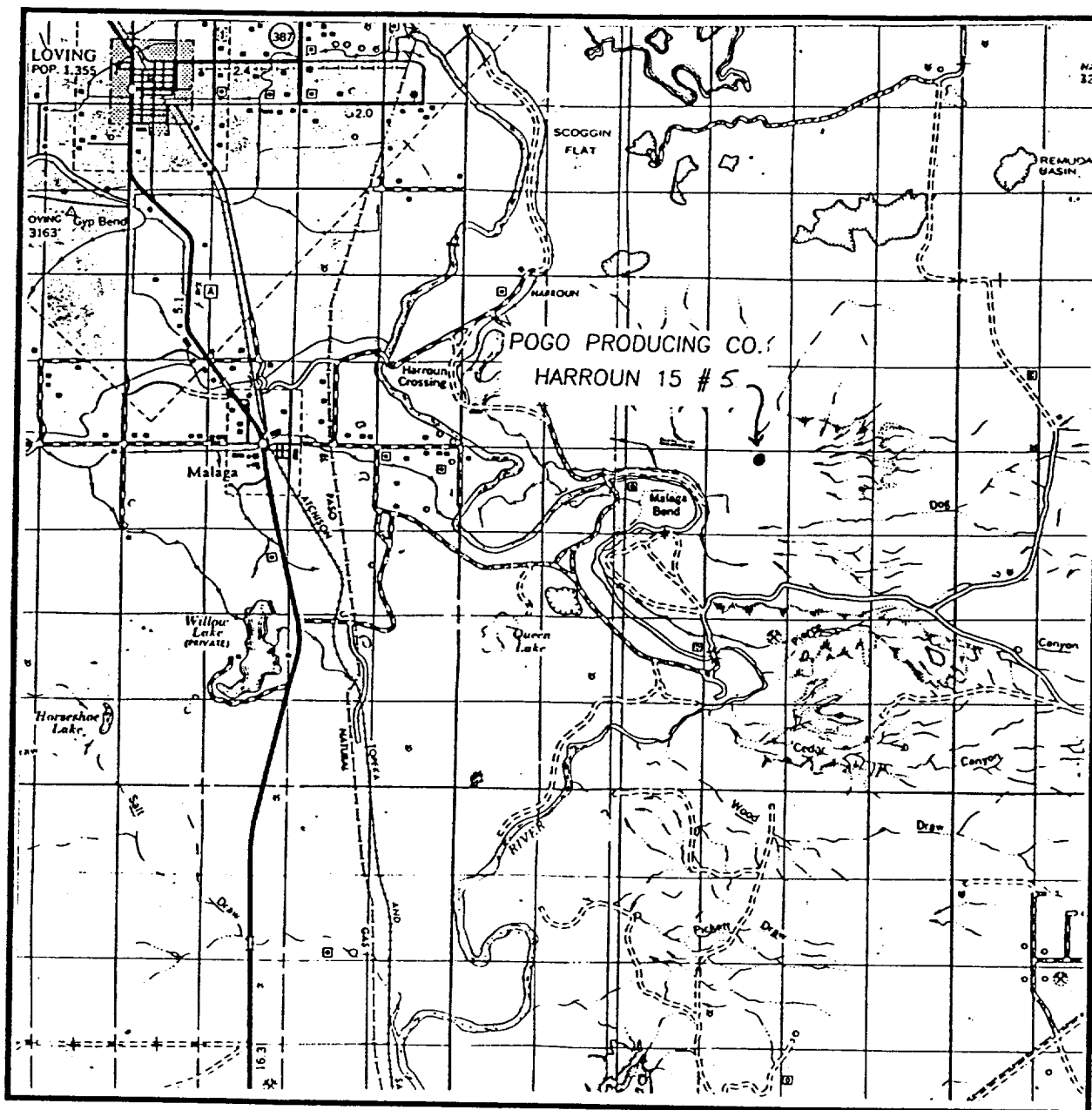
U.S.G.S. TOPOGRAPHIC MAP

PIERCE CANYON, N.M.

**JOHN WEST ENGINEERING
HOBBS, NEW MEXICO**

(505) 393-3117

VICINITY MAP

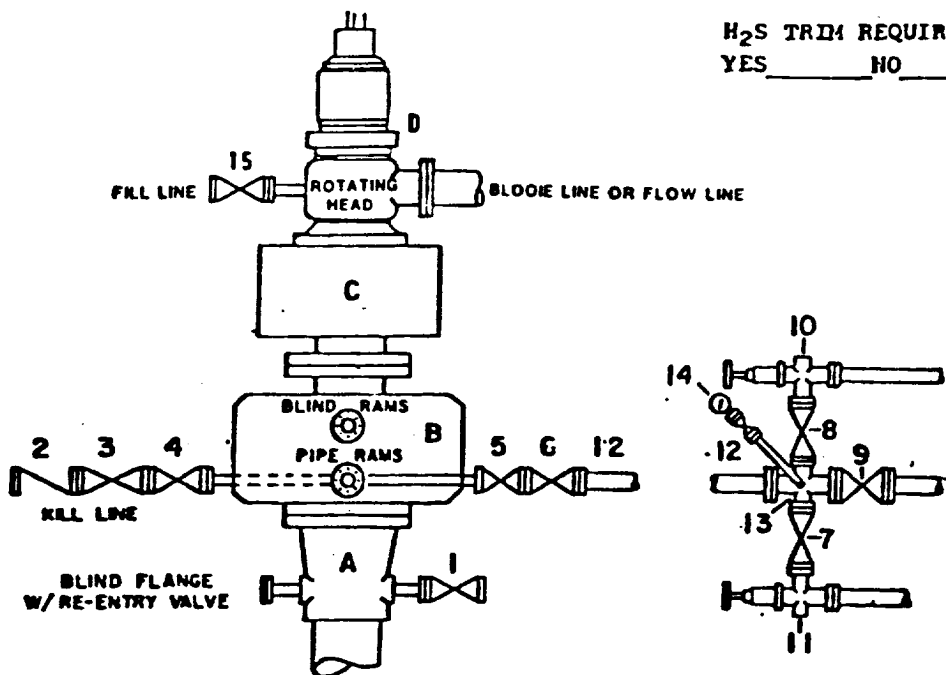


SCALE: 1" = 2 MILES

SEC. 15 TWP. 24-S RGE. 29-E
 SURVEY N.M.P.M.
 COUNTY EDDY
 DESCRIPTION 330' FNL & 1650' FEL
 ELEVATION 2930'
 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	DWG NO
DRAWN BY			
CHECKED BY			
APPROVED BY			

EXHIBIT E