

District II  
841 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

Energy Minerals and Natural Resources

Revised March 17, 1999

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

RECEIVED

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

MAR 17 2004

☐ AMENDED REPORT

OCD-ARTESIA

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

<sup>1</sup> Operator Name and Address POGO PRODUCING COMPANY P.O. BOX 10340 MIDLAND, TEXAS 79702-7340		<sup>2</sup> OGRID Number 17891
		<sup>3</sup> API Number 30-015-33318
<sup>4</sup> Property Code 17565	<sup>5</sup> Property Name HARROUN "15"	<sup>6</sup> Well No. 16

<sup>7</sup> Surface Location

UL or lot no. L	Section 15	Township 24S	Range 29E	Lot Idn	Feet from the 1750'	North/South line SOUTH	Feet from the 850'	East/West line WEST	County EDDY
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<sup>8</sup> Proposed 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
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<sup>9</sup> Proposed Pool 1

~~UNDES. CEDAR CANYON BONE SPRING (11520)~~

<sup>10</sup> Proposed Pool 2

Pierce Crossing Bone Spring, East

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 2927'
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 8000'	<sup>18</sup> Formation BONE SPRING	<sup>19</sup> Contractor UNKNOWN	<sup>20</sup> Spud Date WHEN APPROVED

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
25"	20"	Conductor	40'	Redi-mix	Surface
17½"	13 3/8"	48#	550'	450 Sx.	Surface
11"	8 5/8"	32#	2900'	800 Sx.	Surface
7 7/8"	5½"	15.5 & 17#	8000'	1250 Sx.	2000' FS.

<sup>22</sup> 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.

1. Drill 25" hole to 40'. Set 40' of 20" conductor and cement to surface with Redi-mix.
2. Drill 17½" hole to 550'. Run and set 550' of 13 3/8" 48# H-40 ST&C casing. Cement with 250 Sx. of 65/35/6 Class "C" POZ, tail in with 200 Sx. of Class "C" + 2% CaCl, + ¼# Flocele/Sx. circulate cement to surface.
3. Drill 11" hole to 2900'. Run and set 2900' of 8 5/8" 32# J-55 ST&C casing. Cement with 600 Sx. of Class "C" 65/35/6 POZ + 5% Salt, tail in with 200 Sx. of Class "C" cement + 2% CaCl, + ¼# Flocele/Sx. circulate cement to surface.
4. Drill 7 7/8" hole to 8000'. Run and set 8000' of 5½" as follows: 2000' of 5½" 17# J-55 LT&C, 5000' of 5½" 15.5# J-55 LT&C, 1000' of 5½" 17# J-55 LT&C casing. Cement in 2 stages DV Tool at 4500'±. Cement 1st stage with 600 Sx. of Class "C" + 8#/Sx of Gilsonite, 2nd stage cement with 600 Sx. of Class "C" cement with 8# of Gilsonite/Sx. Cement volumes altered if after logging caliper shows more or less cement is required.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: Joe T. Janica

Title: Agent

Date: 03/16/04

Phone: 505-391-8503

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: MAR 21 2004 Expiration Date: MAR 21 2005

Conditions of Approval:

Attached ☐

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico

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

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 11520	Pool Name UNDES CEDAR CANYON-BONE SPRING
Property Code 17656	Property Name HARROUN 15	Well Number 16
OGRID No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 2927'

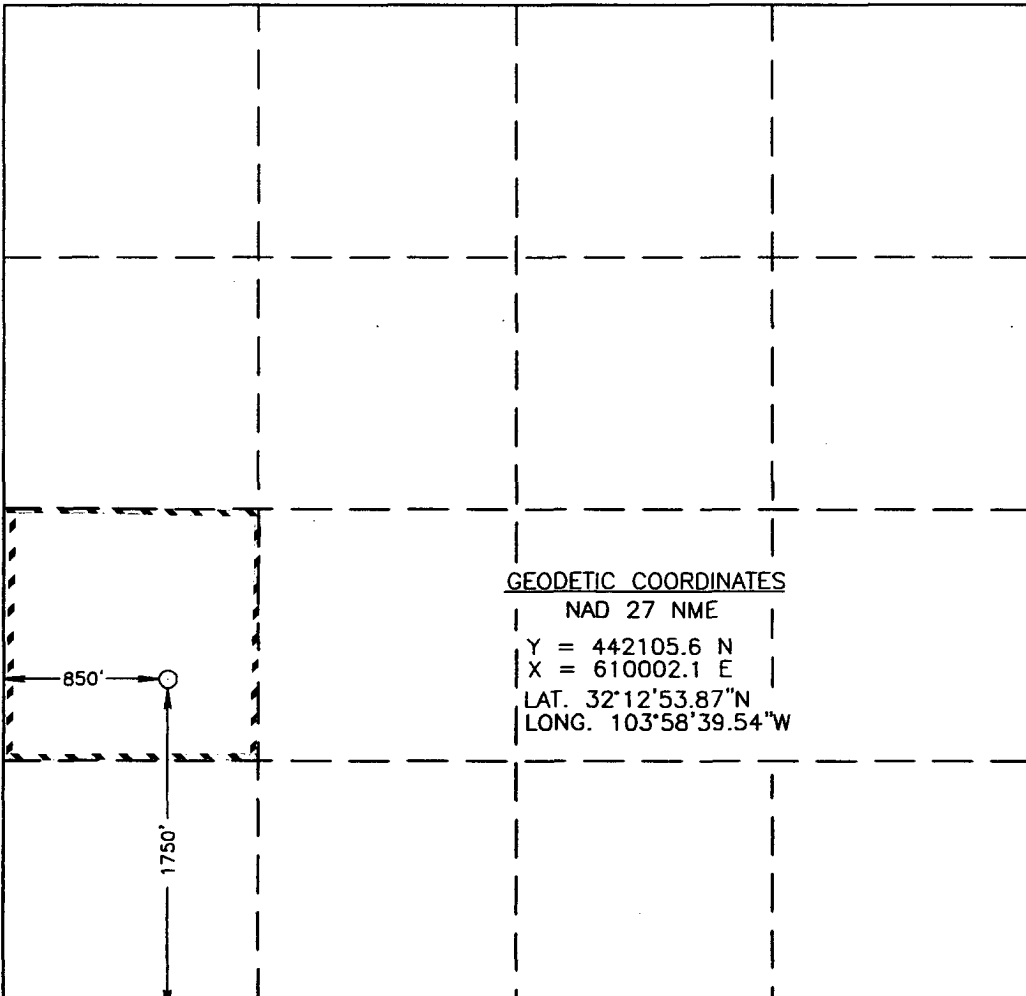
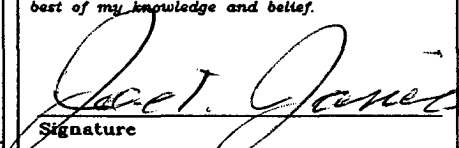
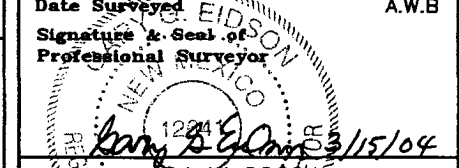
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	15	24-S	29-E		1750	SOUTH	850	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.						

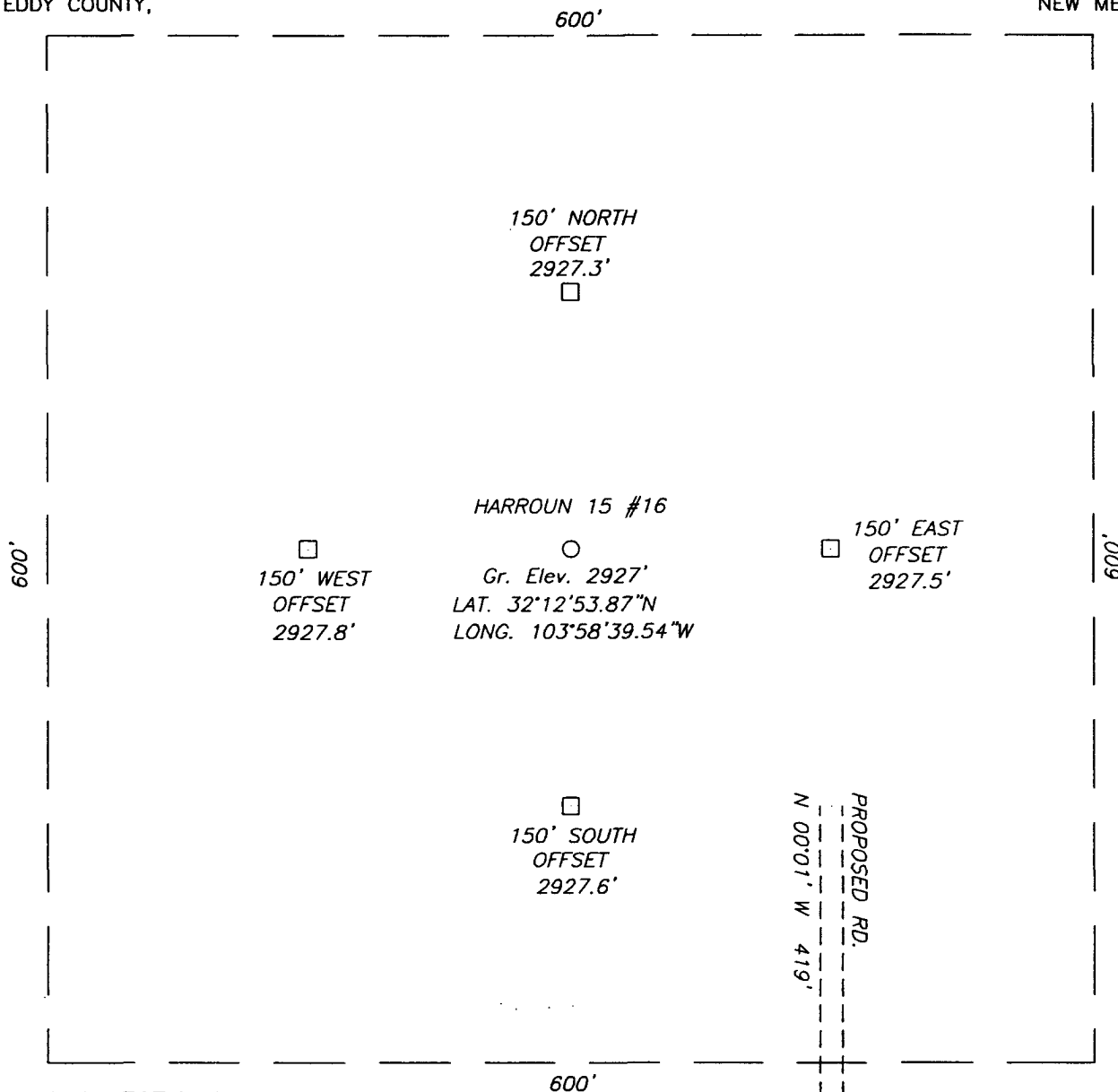
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><u>GEODETIC COORDINATES</u></p> <p>NAD 27 NME</p> <p>Y = 442105.6 N</p> <p>X = 610002.1 E</p> <p>LAT. 32°12'53.87"N</p> <p>LONG. 103°58'39.54"W</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p> Signature</p> <p>Joe T. Janica Printed Name</p> <p>Agent</p> <p>Title</p> <p>03/16/04 Date</p> <p><b>SURVEYOR CERTIFICATION</b></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>March 08, 2004</p> <p>Date Surveyed</p> <p> Signature &amp; Seal of Professional Surveyor</p> <p>Certificate No. GARY EDSON 12641</p>
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# SECTION 15, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.,

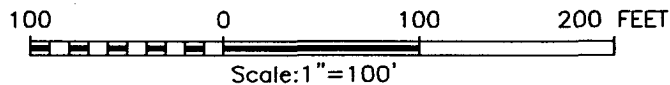
EDDY COUNTY,

NEW MEXICO.



## DRIVING DIRECTIONS

FROM THE INTERSECTION OF U.S. HWY 285 AND BLACK RIVER VILLAGE RD. GO EAST ON BLACK RIVER VILLAGE RD. APPROX. 0.85 MILES. TURN NORTH AND GO 1.0 MILES. CONTINUE ALONG MEANDERING ROAD 0.75 MILES PAST HARROUN CROSSING (BRIDGE)- CONTINUE ON SAME MEANDERING ROAD TURNING EVENTUALLY INTO A STRAIGHT (NW) ROAD 1.5 MILES. TURN RIGHT (SE) ON A CALICHE MEANDERING ROAD 2.1 MILES. TURN NORTH ACROSS FENCE STAY RIGHT AT "Y" IN ROAD. GO APPROX. 1.9 MILES UNTIL YOU GET TO A FENCE LINE (STAY WEST OF FENCE). FOLLOW TRAIL ROAD ALONG FENCE LINE 0.15 MILES. GO SOUTH 0.45 MILES ON MEANDERING TRAIL ROAD ACROSS A CANAL AND THEN EAST APPROX. 0.15 MILES. THE PROPOSED LOCATION IS APPROX. 400' NORTH.



## POGO PRODUCING COMPANY

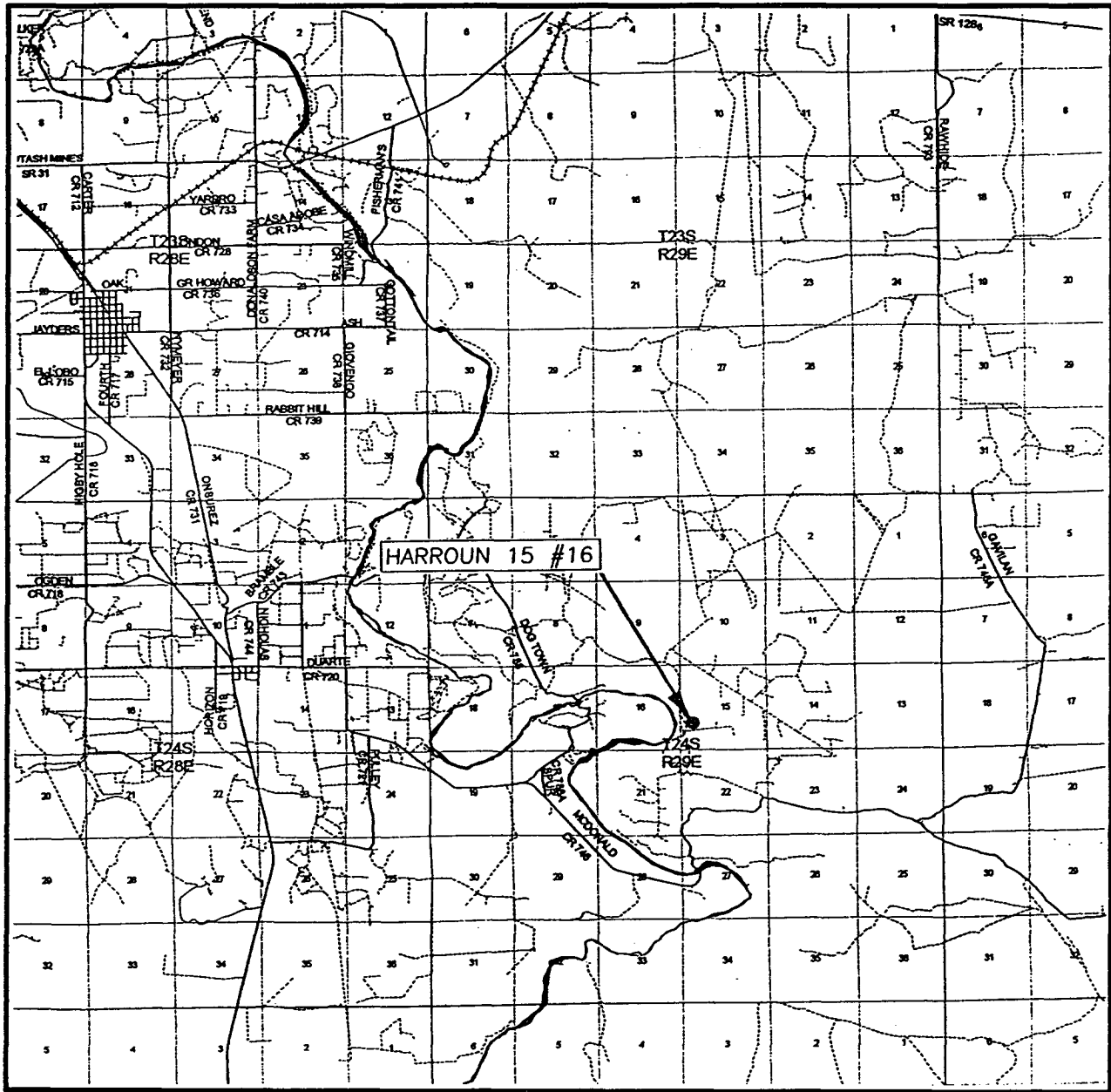
HARROUN 15 #16 LOCATED 1750' FROM THE SOUTH LINE AND 850' FROM THE WEST LINE OF SECTION 15, TOWNSHIP 24 SOUTH, RANGE 29 EAST, EDDY COUNTY, NEW MEXICO

Survey Date: 03/08/04	Sheet 1 of 1 Sheets
W.O. Number: 04.11.0262	DRAWN BY: A.W.B
Date: 03/11/04	DISK: CD#10
04.11.0262	Scale: 1"=100'

JOHN WEST SURVEYING COMPANY

412 N. DAL PASO - 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 1750' FSL & 850' FWL

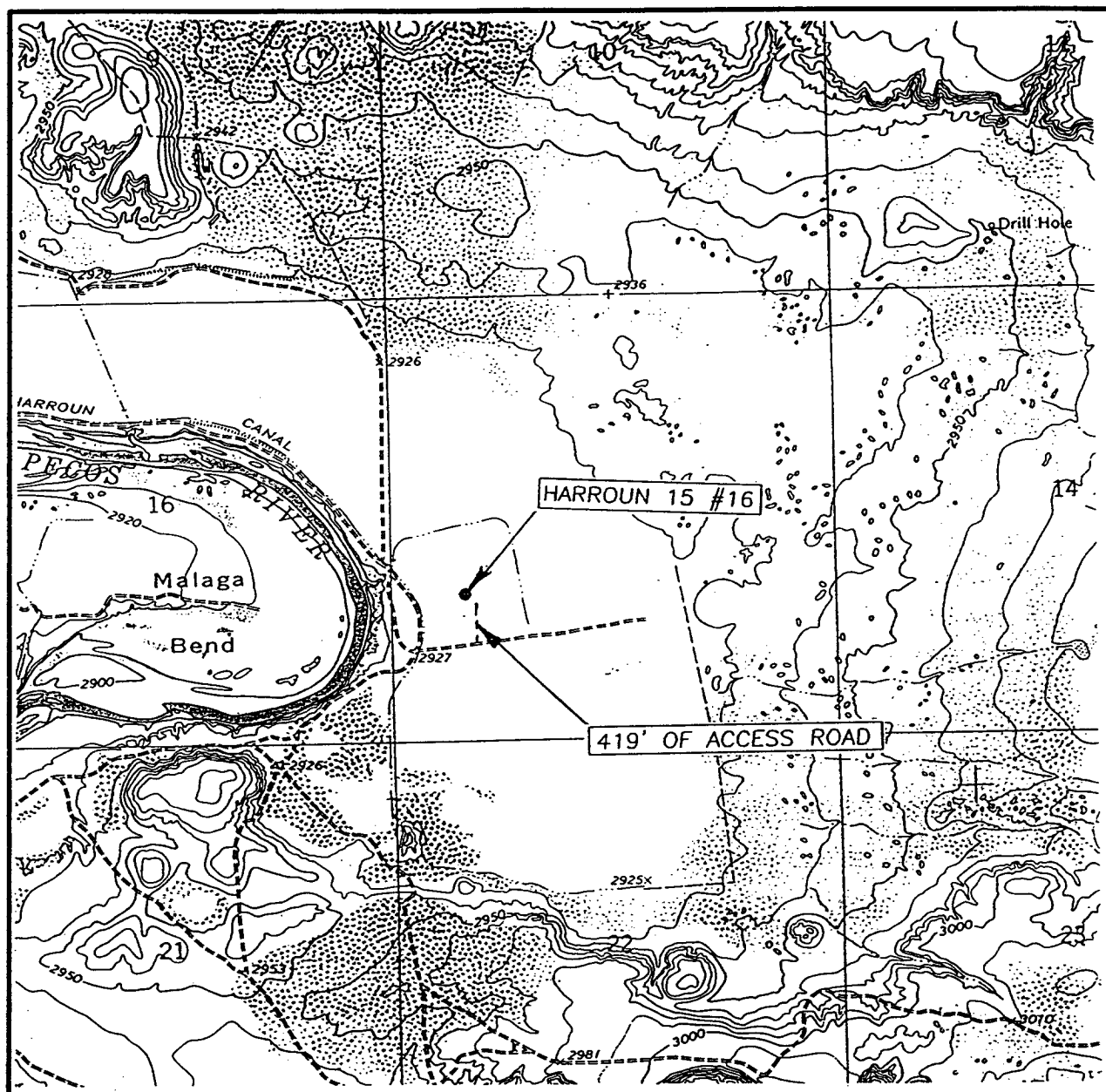
ELEVATION 2927'

OPERATOR POGO PRODUCING COMPANY

LEASE HARROUN 15

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

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

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

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1750' FSL & 850' FWL

ELEVATION 2927'

OPERATOR POGO PRODUCING COMPANY

LEASE HARROUN 15

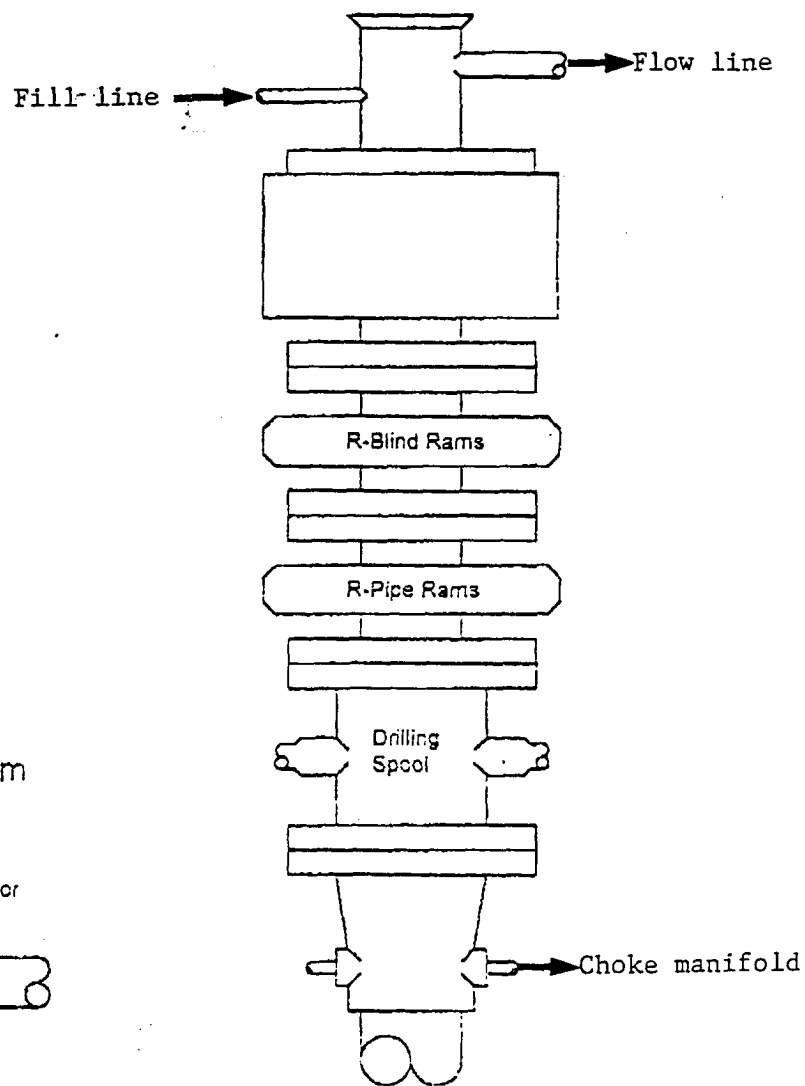
U.S.G.S. TOPOGRAPHIC MAP  
PIERCE CANYON, N.M.

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

POGO PRODUCING COMPANY  
HARROUN "15" # 16  
UNIT "L" SECTION 15  
T24S-R29E EDDY CO. NM

Pogo Producing Company employs an H<sup>2</sup>S detection company with safety equipment on all of their drilling wells where there is a likelihood of H<sup>2</sup>S being encountered. There is no known existence of any H<sup>2</sup>S in the area that this well is located. Should any indication of H<sup>2</sup>S occur a third party safety company will be immediately called in to protect crews and any personell in the area.

# BLOWOUT PREVENTER SYSTEM



Type 900 Series  
3000 psi WP

## Choke Manifold Assembly for 3M WP System

