

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 21, 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. CONOCO INC. 10 DESTA DRIVE STE 100W MIDLAND, TEXAS 79705		OGRID Number 005073
Property Code 13396	Property Name Hardy 36 State	API Number 30-025-32875
		Well No. 17

Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	20S	37E		1730	South	1980	West	Lea

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
Proposed Pool 1 Wildcat San Andres					Proposed Pool 2				

Work Type Code N	Well Type Code D	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3491'
Multiple No	Proposed Depth 4400'	Formation San Andres	Contractor	Spud Date 6/12/95

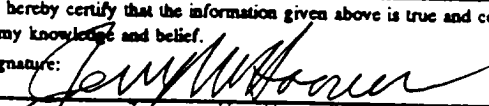
Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	420'	350	Surface
7-7/8"	4-1/2"	11.6#	4400'	970	Surface

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.

It is proposed to drill this well vertically through the Granite Wash formation according to the plan outlined in the following attachments:

1. Well Location & Acreage Dedication Plat (C-102)
2. Proposed Well Plan Outline
3. Cementing Program
4. BOP & Choke Manifold Specifications

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature:  Printed name: Jerry W. Hoover Title: Sr. Conservation Coordinator		OIL CONSERVATION DIVISION Approved by: ORIGINAL SIGNED BY Title: GARY WINK FIELD REP. II Approval Date: JUN 02 1995 Expiration Date: Conditions of Approval: Attached <input type="checkbox"/>	
Date: 5/31/95	Phone: (915) 686-6548		

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# PROPOSED WELL PLAN OUTLINE

WELL NAME **HARDY 36 STATE NO. 17**

LOCATION **1730' FSL & 1980' FWL SECT. 36 T-20S R-37E LEA CO.**

TVD IN 1000'	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE DEPTH	FRAC GRAD	FORMATION PRESSURE GRADIENT	WT	MUD TYPE	DAYS
0					12-1/4"	8-5/8" 420' 24#, K-55, STC (350 sq. circ cm)			8.4	FRESH	
1											
2		RUSTLER 1430'									3
3		B/SALT 2555' YATES 2610' 7-RIVERS 2882'		2-MAN MUD LOGGERS ON AT 3500'					10	BRINE	
4		GRAYBURG 3784' SAN ANDRES 4009'		H2S MONITOR ON AT 4000'	7-7/8"			Less than 8.3 ppg			
5		TD @ 4400'	POSSIBLE LOST CIRCULATION AND SEEPAGE TO TOTAL DEPTH	GR-CAL-DDL-MSFL 3500'-TD DI-Electric 2000' min NMR 1500' min FMT, 25 pressure		4-1/2" 4400' 11.6#, N-80, LTC (970 sq. circ cm)		BHP = 1250 psi			12
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											

DATE May 25, 1995

APPROVED BILLY GOODWIN  
DRILLING ENGINEER

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NOV 1 1985

JOHN HOBBS  
OFFICE

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State of New Mexico  
Energy, Minerals & Natural Resources Dept.    snt

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Form C-10  
Revised February 21, 199  
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-025- 32978		*Pool Code 96032	*Pool Name Wildcat San Andres
*Property Code 013396	*Property Name HARDY 36 STATE		*Well Number 17
*OGRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 3491'

<sup>10</sup> Surface Location

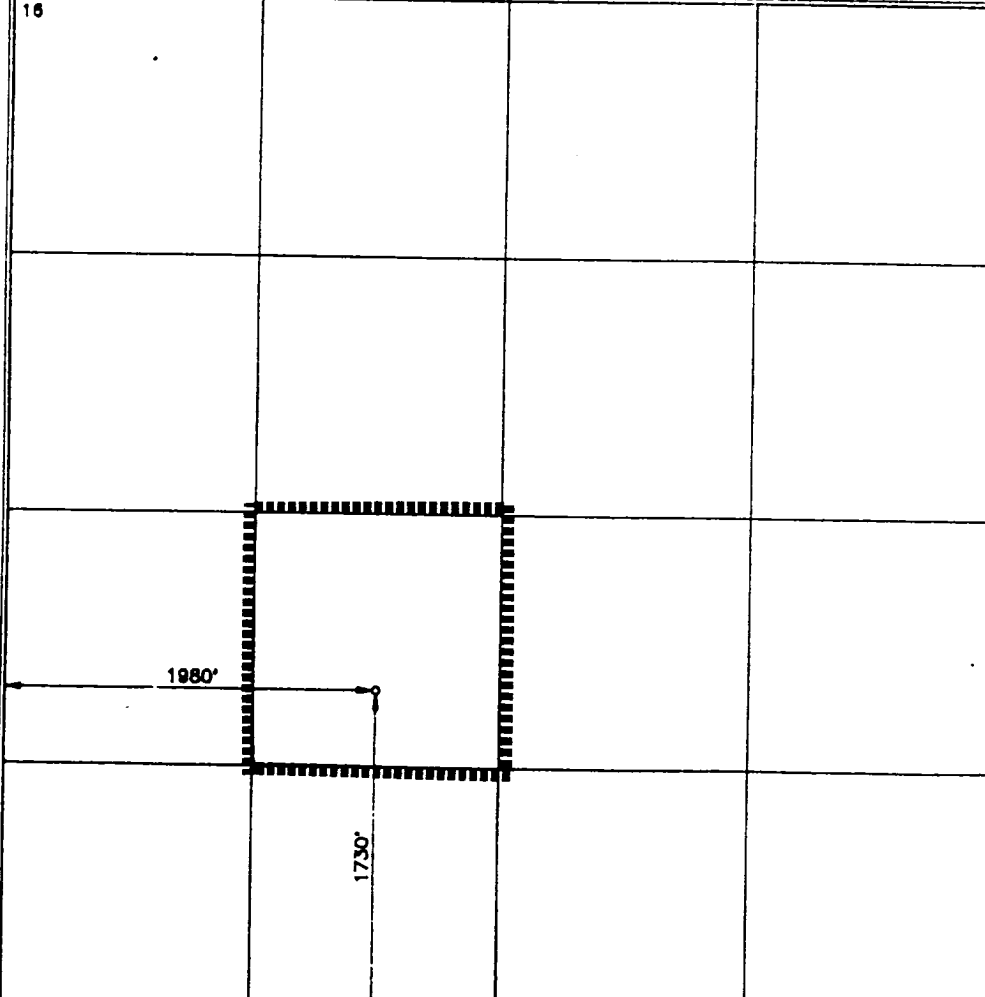
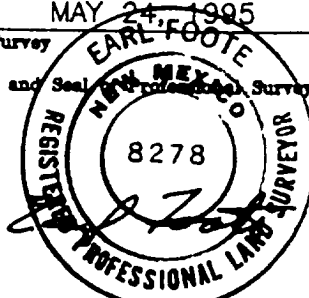
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	20-S	37-E		1730	SOUTH	1980	WEST	LEA

<sup>11</sup> 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

<div>16</div> 	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Jerry W. Hoover</i> Signature JERRY W. HOOVER Printed Name SR. CONSERVATION COORDINATOR Title 5/31/95 Date</p>
	<div>18 SURVEYOR CERTIFICATION</div> <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 best of my belief.</p> <p>MAY 24 1995 Date of Survey Signature and Seal of Registered Professional Land Surveyor: 8278 Certificate Number</p>
	

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**JUN 27 1995**

**OFFICE**

WELL NAME: Hardy 36 State No. 17

## CEMENTING PROGRAM

### SURFACE CASING STRING

LEAD 250 sxs Class C Mixed at 13.7 ppg  
Additives 4 % Gel + 2 % A7P

TAIL 100 sxs Class C Mixed at 14.8 ppg  
Additives 2 % A7P

### PRODUCTION CASING STRING

LEAD 765 sxs Class C Mixed at 12.7 ppg  
Additives 65:35:6 with 5PPS Salt + .2% SMS

TAIL 205 sxs Class C Mixed at 14.6 ppg  
Additives 1.1% Flo-Bloc + .2% SMS

Percent free water 0 Water loss 50 cc

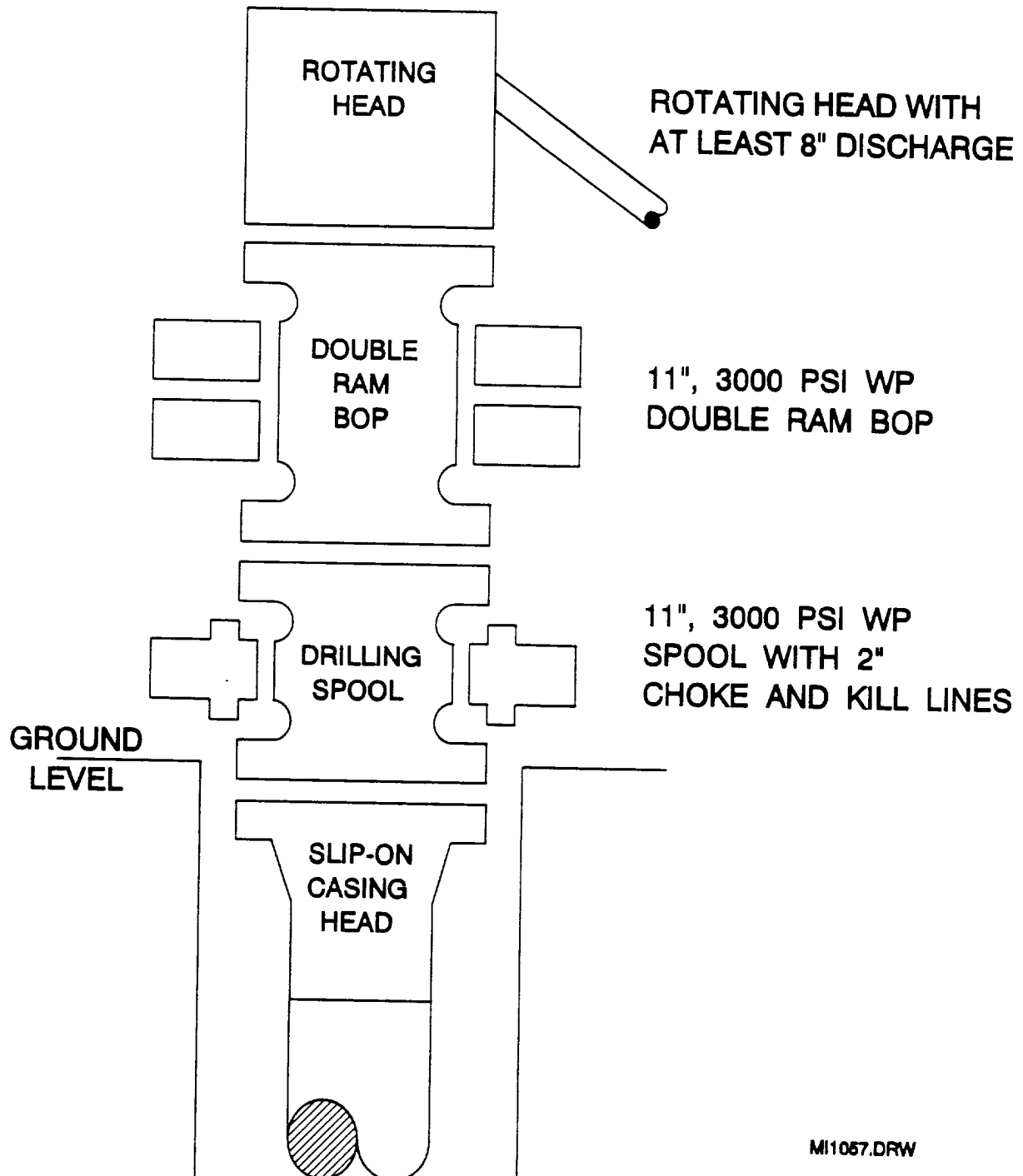
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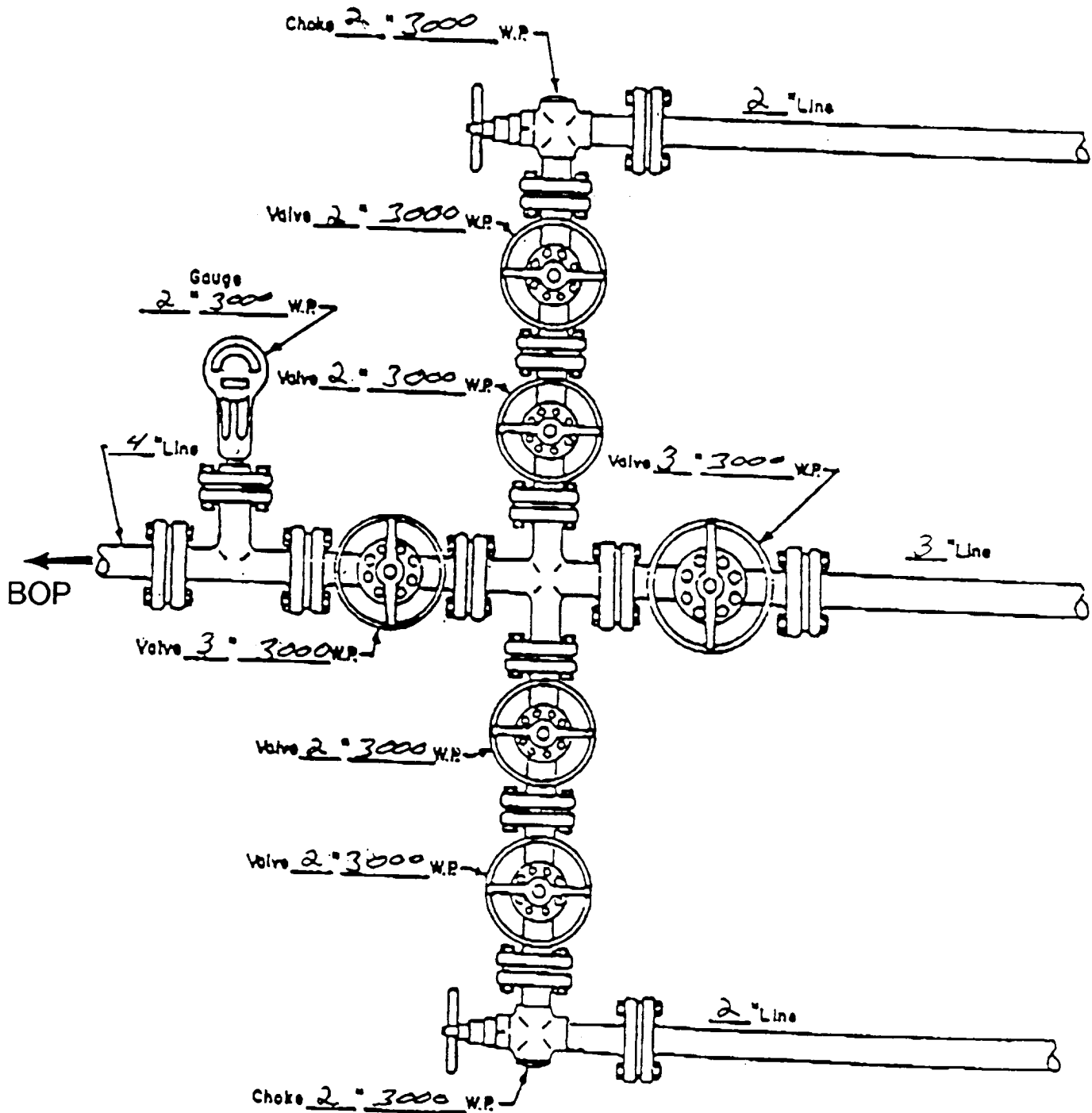


# **BOP SPECIFICATIONS**



MI1057.DRW

# CHOKE MANIFOLD DIAGRAM



MANIFOLD  
3000 #W.P.

- ☒ Manual
- ☐ Hydraulic