

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

¹ Operator Name and Address. CONOCO INC. 10 DESTA DRIVE STE 100W MIDLAND, TEXAS 79705		¹ OGRID Number 005073
		¹ API Number 30-025-33029
² Property Code 013396	² Property Name Hardy 36 State	² Well No. 24

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	20S	37E		330	South	330	East	Lea

⁸ 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
⁹ Proposed Pool 1 North Hardy Tubb-Drinkard					⁹ Proposed Pool 2				

¹¹ Work Type Code N	¹¹ Well Type Code O	¹¹ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3484'
¹⁶ Multiple No	¹⁷ Proposed Depth 7010'	¹⁸ Formation Tubb-Drinkard	¹⁹ Contractor NA	²⁰ Spud Date 8/1/95

²¹ Proposed Casing and Cement Program

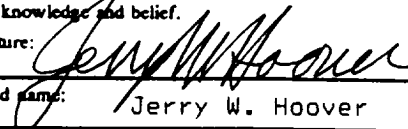
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	500'	920	Surface
7-7/8"	5-1/2"	15.5#	7010'	1395	Surface

²² 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.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION	
Printed name: Jerry W. Hoover		Approved by: ORIGINAL SIGNED BY GARY WINK	
Title: Sr. Conservation Coordinator		Title: FIELD REP. II	
Date: 7/17/95		Approval Date: JUL 19 1995 Expiration Date:	
Phone: (915) 686-6548		Conditions of Approval: Attached <input type="checkbox"/>	

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-10
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 33029	² Pool Code 963506	³ Pool Name North Hardy Tubb-Drinkard
⁴ Property Code 013396	⁵ Property Name HARDY 36 STATE	⁶ Well Number 24
⁷ OGRID No. 005073	⁸ Operator Name CONOCO INC.	⁹ Elevation 3484

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	20-S	37-E		330	SOUTH	330	EAST	LEA

¹¹Bottom 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

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

¹⁶					¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Jerry W. Hoover</u> JERRY W. HOOVER Printed Name SR. CONSERVATION COORDINATOR Title 7/17/95 Date
					¹⁸ 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 best of my belief. Date of Survey <u>JUNE 1995</u> Signature and Seal of Professional Surveyor 8278 Certificate Number 8278

PROPOSED WELL PLAN OUTLINE

WELL NAME

HARDY 36 STATE NO. 24

LOCATION

330' FSL 330' FEL 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			POSSIBLE HOLE ENLARGEMENT AND SLOUGHING		12-1/4"				8.4	FRESH	
1		RUSTLER 1430'				8-5/8" 1500' 24# K-55, ST&C 920 ax, circ cmt			10	BRINE	3
2		B/SALT 2550' YATES 2740'		2-MAN MUD LOGGERS ON AT 3500'							
3		7-RIVERS 3000' QUEEN 3565' PENROSE 3690' GRAYBURG 3845'		H2S MONITOR ON AT 4000'							
4		SAN ANDRES 4075'						Less than 8.3			
5			POSSIBLE LOST CIRCULATION AND SEEPAGE TO TOTAL DEPTH		7-7/8"				BRINE 10 - 10.2	STARCH	
6		GLORIETTA 5350' BLINEBRY 5830'	CASES OF DIFFERENTIAL STICKING THROUGH GLORIETTA								
7		TUBB 6380' DRINKARD 6660' ABO 6950' TD 7010'		GR-CAL-DDL-MSFL 3500' - TD GR-CAL-FDC-CNL-PE 3500' - TD DI-Electric 2000' min		5 1/2" TD 7010' 15.5#, K-55, LT&C 1395 ax, circ cmt		Less than 8.3 BHP = 2650 psi			17
8											
9											
10											
11											
12											
13											
14											
15											
16											

DATE JULY 13, 1995

APPROVED BILLY GOODWIN
DRILLING ENGINEER

RECEIVED

JUL 1 8 1985

JCD HOBBS
OFFICE

Well Name: HARDY 36 LATE No. 24

CEMENTING PROGRAM

Surface Casing String:

LEAD 650 sxs Class C Mixed at 13.7 ppg
Additives 4% GEL, 2% CaCl₂, .2% SMS

TAIL 270 sxs Class C Mixed at 14.8 ppg
Additives 2% CaCl₂

Intermediate Casing String:

1st Stage

LEAD _____ sxs Class _____ Mixed at _____ ppg
Additives _____

TAIL _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent free water _____ Water Loss _____ cc

2nd Stage

LEAD _____ sxs Class _____ Mixed at _____ ppg
Additives _____

TAIL _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent free water _____ Water Loss _____ cc

Production Casing String:

1st Stage

LEAD 685 sxs Class C Mixed at 12.1 ppg
Additives 2.5% SMS

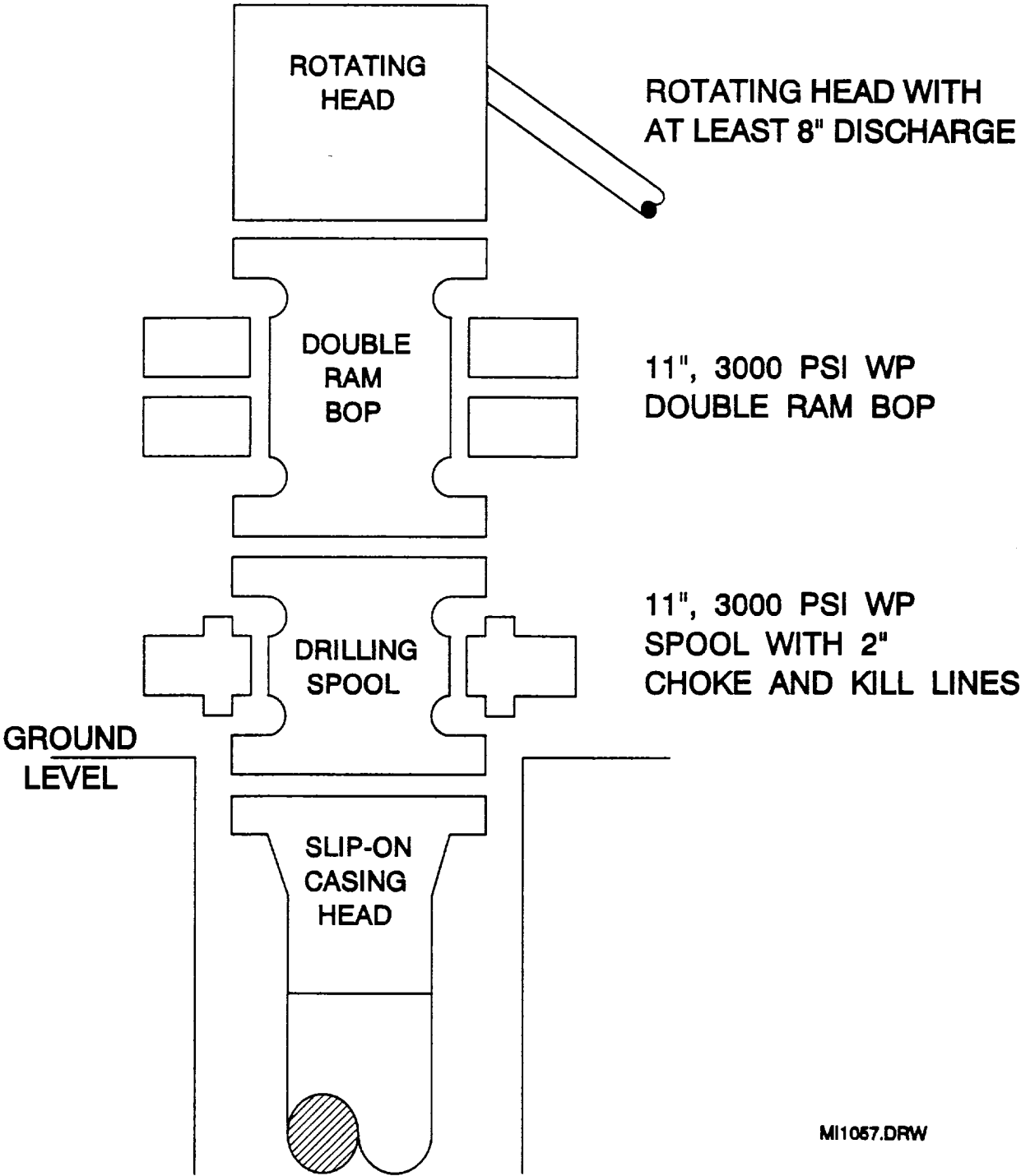
TAIL 710 sxs Class C Mixed at 14.8 ppg
Additives 1.1% FL-62 + 2% BA-90 + 3% A-5 + .3% CD-32 + .2% SMS
Percent free water 0 Water Loss 51 cc

2nd Stage

LEAD _____ sxs Class _____ Mixed at _____ ppg
Additives _____

TAIL _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent free water _____ Water Loss _____ cc

BOP SPECIFICATIONS



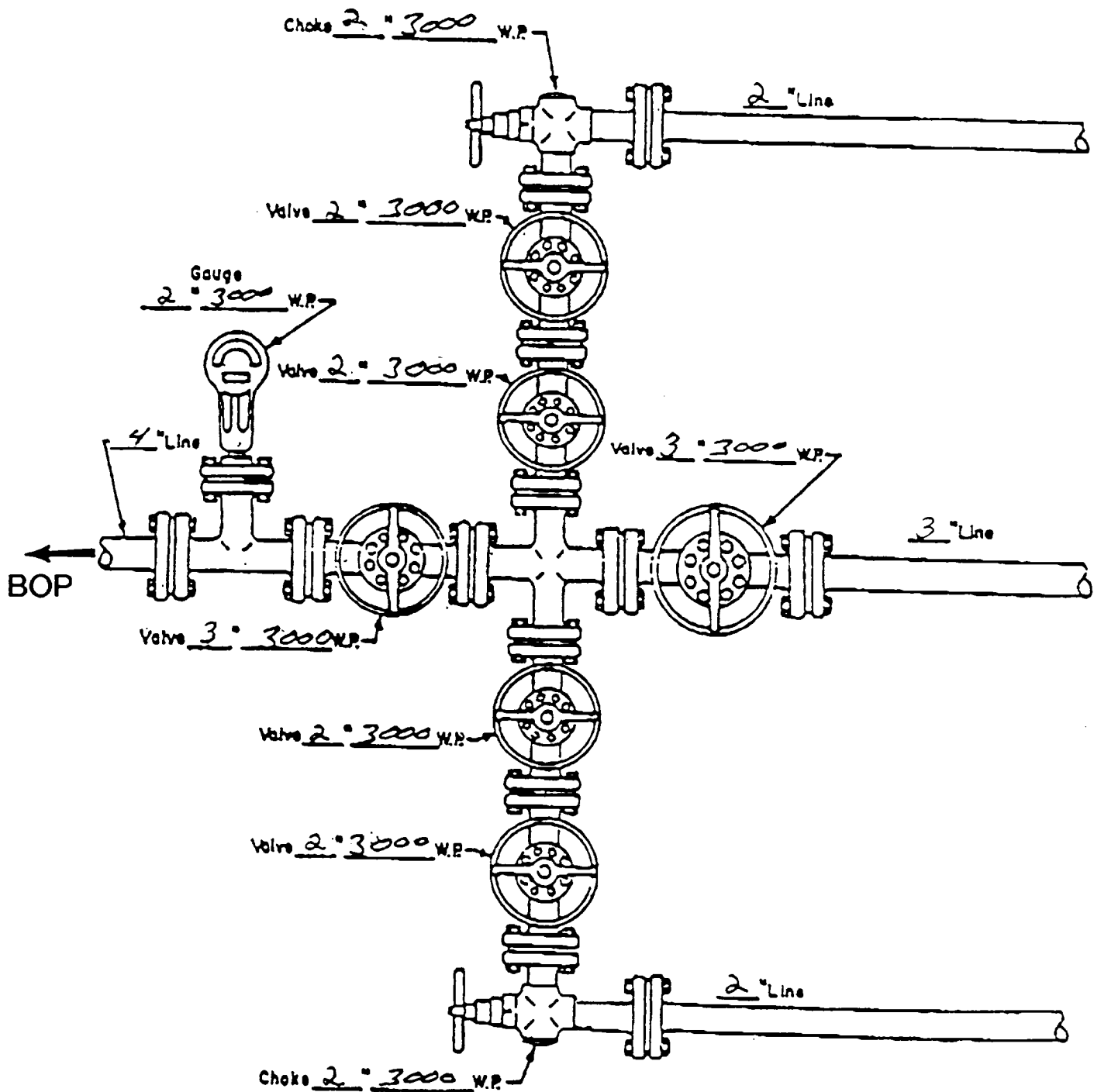
RECEIVED

JUL 18 1995

UCC HUBBS
OFFICE

FBI

CHOKE MANIFOLD DIAGRAM



MANIFOLD
3000 #W.P.

- ☒ Manual
- ☐ Hydraulic