

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
		API Number 30-025-32514
Property Code 13396 29760	Property Name Hardy 36 State	Well No. 5

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
F	36	20S	37E		2080	North	2230	West	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

Proposed Pool 1 Hardy Tubb Drinkard	Proposed Pool 2
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Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3497'
Multiple No	Proposed Depth 6975'	Formation Tubb-Drinkard	Contractor	Spud Date 6/1/94

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8"	40#	1500'	700	Surface
8-3/4"	7"	26#	6975'	1800	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 Drinkard formation according to the plan outlined in the following attachments:

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

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Jerry W. Hoover</i>		OIL CONSERVATION DIVISION	
Printed Name: Jerry W. Hoover			
Title: Sr. Conservation Coordinator		Approved by: <i>Paul Kautz</i> Title: Geologist	Approval Date: 11/18/94
Date: 5/16/94	Phone: (915) 686-6548	Expiration Date:	
		Conditions of Approval: Attached <input type="checkbox"/>	

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State of New Mexico
 Energy, Minerals & Natural Resources Department

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

Form C-102
 Revised February 10, 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

API Number		Pool Code 29760	Pool Name Hardy Tubb Drinkard
Property Code 13396	Property Name HARDY 36 STATE		Well Number 5
OGRID No. 005073	Operator Name CONOCO, INC.		Elevation 3497

10 Surface Location

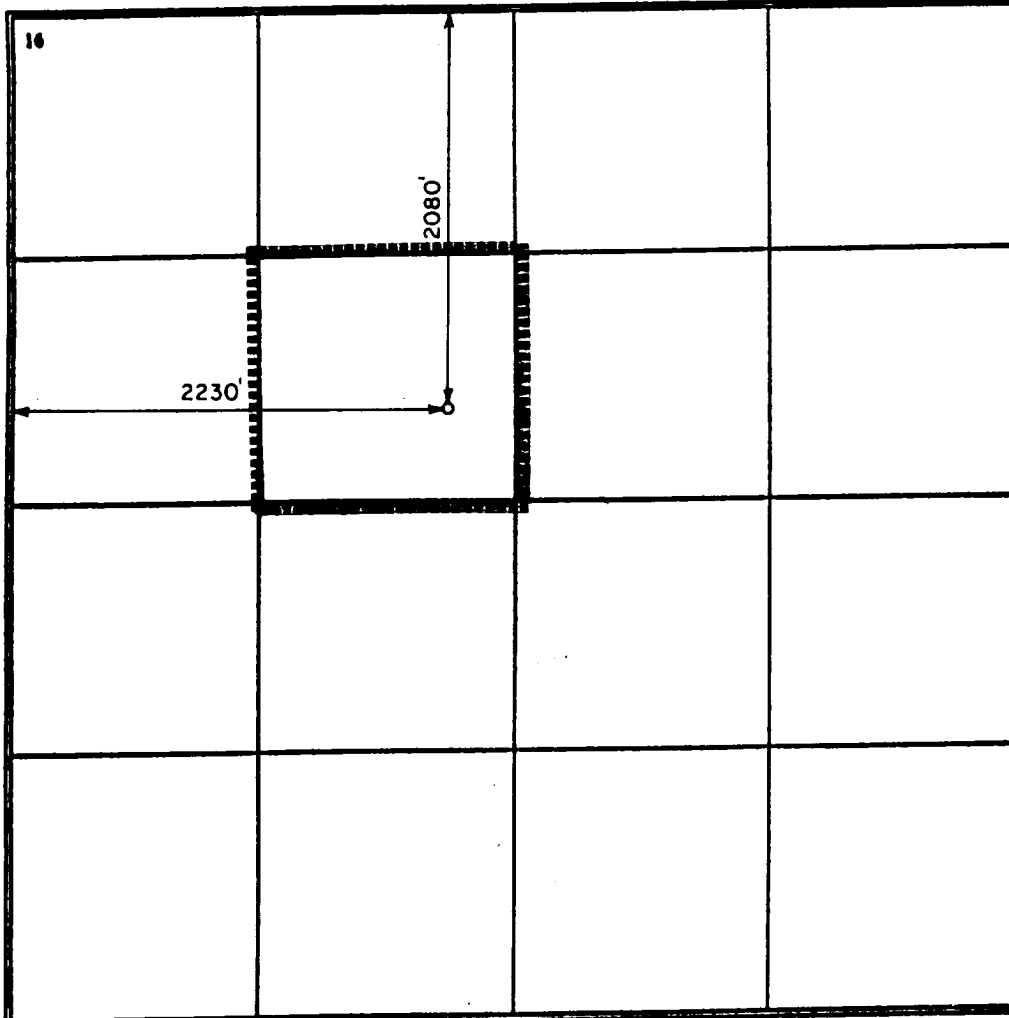
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	36	20-S	37-E		2080	NORT	2230	WEST	LEA

11 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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Jerry W. Hoover
 Signature
 Jerry W. Hoover
 Printed Name
 Sr. Conservation Coordinator
 Title
 5/16/94
 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 the best of my belief.

April 12, 1994
 Date of Survey
 Signature and Seal of Professional Surveyor:
 8278

Earl Foote
 Signature

Certificate Number 8278



RECEIVED

17 1994

ADDS
PRICE

PROPOSED WELL PLA. OUTLINE

WELL NAME **HARDY STATE 36 NO. 5**
 LOCATION **2080' FNL 2230' 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	MUD WT	MUD TYPE	DAYS
0			POSSIBLE HOLE ENLARGEMENT AND SLOUGHING		12-1/4"				8.4	FRESH	
1		RUSTLER 1430'									3
2		B/SALT 2525' YATES 2610'		2-MAN MUD LOGGERS ON AT 3500'		9-5/8" 1500" 26# K-55 (700' to surface)			10	BRINE	
3		7-RIVERS 2882'									
4		GRAYBURG 3784' SAN ANDRES 4009'		H2S MONITOR ON AT 4000'							
5			POSSIBLE LOST CIRCULATION AND SEEPAGE TO TOTAL DEPTH		8-3/4"						
6		GLORIETTA 5217' BLINEBRY 5763'	CASES OF DIFFERENTIAL STICKING THROUGH GLORIETTA							BRINE STARCH 10 - 10.2	
7		TUBB 6308' DRINKARD 6602' TD @ 6975'		GR-CAL-DDL-MSFL 3500' - TD GR-CAL-FDC-CNL-PE 3500' - TD		7" TD 26# K-55 (1800' to surface)					17
8											
9											
10											
11											
12											
13											
14											
15											
16											

DATE _____

APPROVED **D.W. EUBANK**
 DRILLING ENGINEER

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APR 17 1994

JUDGES
OFFICE

WELL NAME: HARDY STATE 36 No. 5

LOCATION: 2080 FNL 2230 FWL Sect. 36 T-20S R-37E

Casing Program

Surface 9-5/8 inch in 12-1/4 hole at 1500 ft.
Inter _____ inch in _____ hole at _____ ft.
Prod 7 inch in 8-3/4 hole at 6975 ft.

Cementing Program

Surface

Lead 500 sxs Class C Mixed at 13.7 ppg
Additives 4% GEL 2% A-7 0.2% SNS
Tail 200 sxs Class C Mixed at 14.8 ppg
Additives 2% A-7

Intermediate (first stage)

Lead _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Tail _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent Free Water _____ Water Loss _____ cc

(second stage)

Lead _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Tail _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent Free Water _____ Water Loss _____ cc

Production (first stage)

Lead 150 sxs Class C Mixed at 12.8 ppg
Additives 0.2% SMS
Tail 350 sxs Class C Mixed at 14.8 ppg
Additives 1% RA-10 0.2% SMS 1% A-7
Percent Free Water _____ Water Loss _____ cc

(second stage)

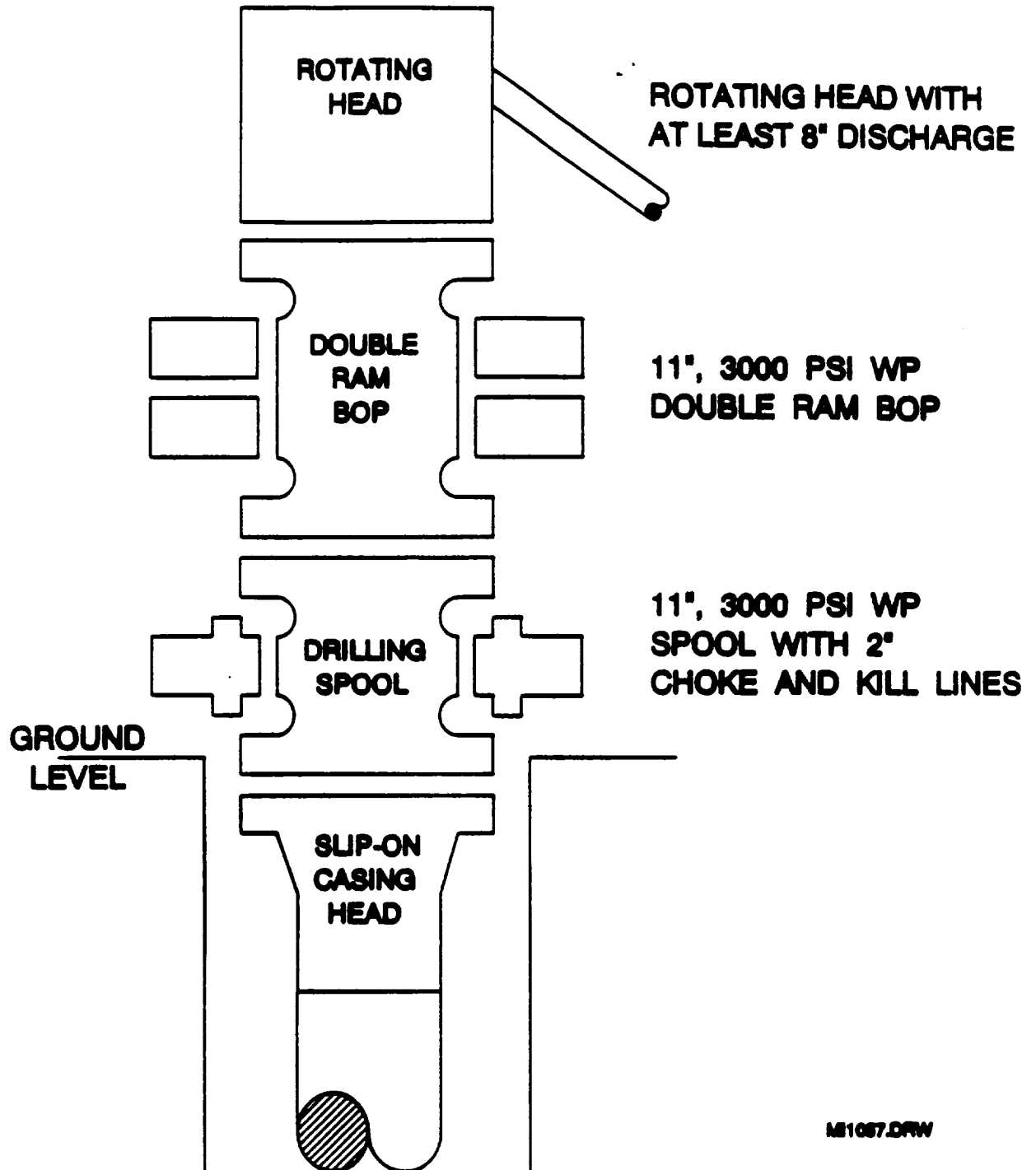
Lead 1070 sxs Class C Mixed at 14.2 ppg
Additives 8% A-10 0.25% FL-62 0.2% SMS
Tail 300 sxs Class C Mixed at 14.8 ppg
Additives 1% BA-10 0.2% SMS 1% A-7
Percent Free Water _____ Water Loss _____ cc

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717 1994

JUBBS
OFFICE

BOP SPECIFICATIONS



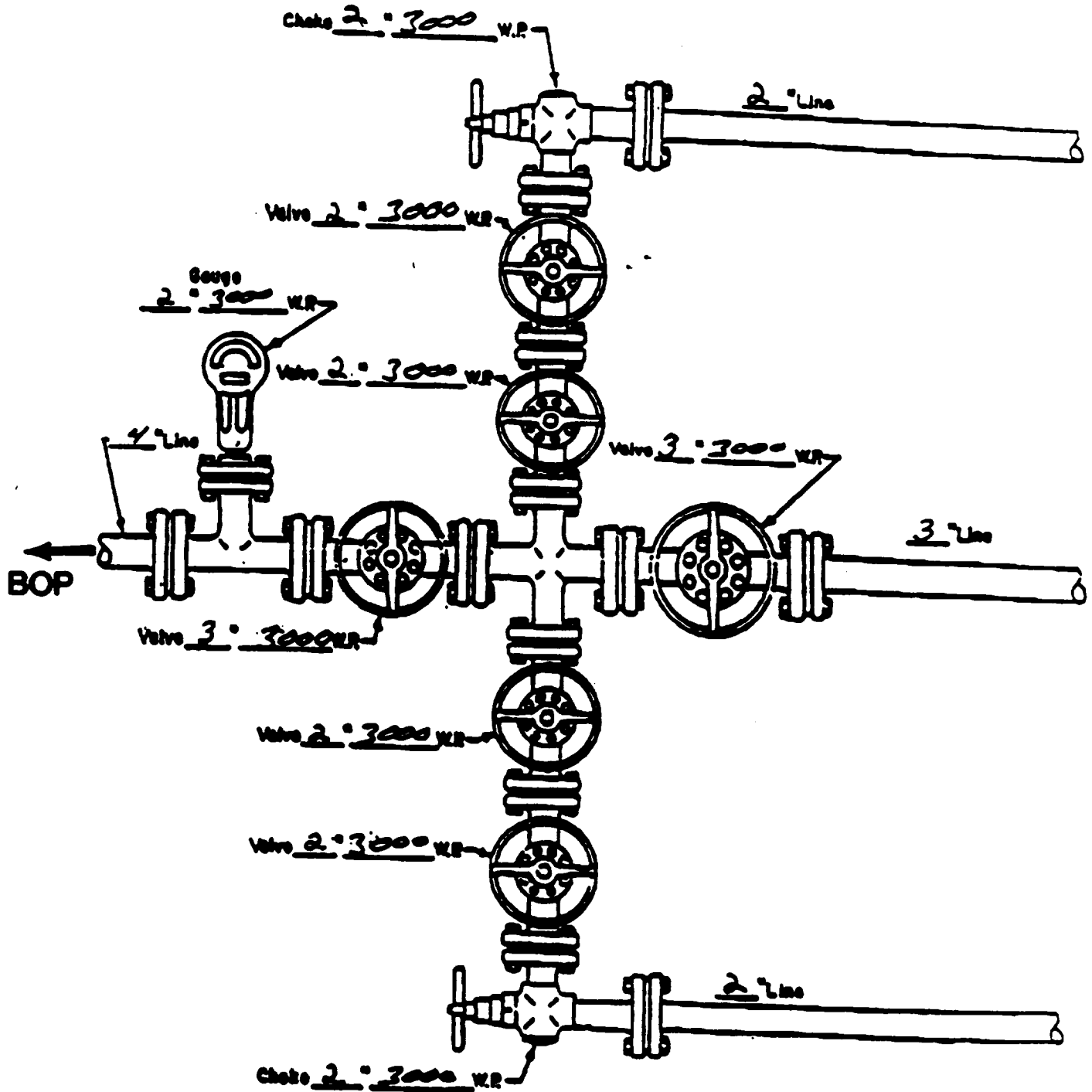
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MAY 17 1994

**JOB RECORDS
OFFICE**

CHUCKE MANIFOLD DIAGRAM



MANIFOLD
3000 #W.P.

- Manual
- Hydraulic