District | PO Bux 1980, Hobbs, NM 88241-1980 District II

PO Drawer DD, Artesia, NM 88211-4719 District III 1000 Rio Brazos Rd., Azioc, NM \$7410

District IV

State of New Mexico
Facry, Macrula & Natural Resources Department

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

Forir C-101 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

State Lease - 6 Copies Fee Lease - 5 Copies

1º0 Box 2048, Sa	-										DED REPORT
APPLICA	TION	FOR PE	RMIT	TO DRI	ILL, RE-I	ENTER, DE	EPE	N, PLUGB	ACK,	OR A	DD A ZONE
				Operator Na	ame and Addre	14.			1 OCRID Number		
CONOCO	INC.									00	5073
	STA DRI ND. TEX	VE STE (AS 797								20 0	API Number
	erty Code	1			<del></del>	* Property Name		<del></del>		30 - 0	25-33248
•	•					rroperty (14884				İ	· Wdl Ne.
01339	<u> </u>	і на	rdy 36	State	7 Surface	e Location		-			20
UL er let se.	Section	Townsip	Range	Lot Ida	Feet from the		Hae	Foot from the	Earl	Vest Eas	T
· • ·	36	205	37E		1000	South		330	1		County
<del></del>	1 20			Pottom			56		East		Lea
UL or lot so.	Section	Township	Range	Lot Ida	Feet from the			nt From Sur			·
					Pect Home is	IA MANERAGE		POR ING US	East/V	Vest Lac	County
	l	¹ Propos	ed Pool I	<u> </u>	L	<del></del>		 	eed Peel		<u> </u>
North H	lardy T	ubb-Dri						rrepo	eed Leef		
11 11 1 7								<del></del>			
" Work T	• •		· Well Type	: Code	Lable/Rotary M La			Lease Type Co	Lease Type Code Grov		
14.54	N W-1		0		R		-	S		3492 '	
<sup>14</sup> Ma	•		Proposed	•				1º Contractor		<sup>30</sup> Spud Date	
No	)	1	6930		<u> </u>	Orinkard NA			2/1/96		
·						and Cemer		ogram			
llole Si			e Size		ne weight/foot	Setting	Depth	Secks e	Cement	•	Estimated TOC
7-7/8"		8-5/8 5-1/2		15.		1500′		920		Sur	face
7-778		3-1/2		13.	J#	6930 '		1395	<del></del>	Sur	face
				<del></del>		<del></del>					
					<del></del>						
November than		IC 1b	in andrei		<b>201 2110</b>	7.000				!	2
It is practical according to the second in t	roposed g to t . Locat osed W	to dri he plan ion & A ell Pla	ll thi outli creage n Outl	s well ned in	defined shows vertically the follow tion Play	if seeming.  Ly through  bwing atta  t (C-102)  Permit Exp	the chme	Tubb and	Drink Erom	ard fo	
is I bereby certify		formation gives	a above is u	rue and comp	lete to the best		IL C	ONSERVA			ION
Signaire:	M	W. Hoo	roce	<u>~</u>		Approved by:		DISTRICT ! SU	JPERVIS	50R	,
Printed same:					<u>:</u>	Title:					
Tide: Sr.	conser	vation	Loordi	nator		Approval Dates i	N C	8 1996	Expiration	n Date:	
Date:	1/4/96		(915)	686-65	48	Conditions of App Attached   □	proval :				

## State of New Mexico Energy, Minerals & Natural Resources Department

District I PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rto Braxos Rd., Asteo, NM 87410 District IV PO Box 2088, Santa Fe, NM 87604-2088

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
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Fee Lease - 3 Copies

☐ AMENDED REPORT

		7	WELL L	OCATION	N AND ACE	EAGE DEDIC	ATION PLAT		MENDED REPORT	
	PI Number			<sup>2</sup> Pool Cod			3 Pool N	_		
30-025-	332	4D	:		96356 North Hardy Tubb-Drinkard					
<sup>4</sup> Property		. , , ,			5 Property		17 1455 DI 11	. I	Well Number	
01339	i				HARDY 3	STATE		20		
7 OGRID	No.				Operator	Name			* Elevation	
0050	73				CONOC	O INC.			3492	
	1				10 Surface	Location				
UL or lot no.	Section	Township	Bange	Lot Idn		North/South line	Feet from the	East/Yest	line County	
ı	36	20 <b>-</b> S	37-E		2000	SOUTH	330	EAST	LEA	
		11 ]	Bottom	Hole	Location I	f Different	From Surfa	ace	<del> </del>	
UL or lot no.	Section	Township	Range			North/South line		East/West	line County	
Dedicated Acr		ILL BE A	SSIGNEI	TO THI	S COMPLETI	ON UNTIL ALL EEN APPROVEI			CONSOLIDATED	
							Signature JERRY V Printed Nam SR. COI Title Date  18 SURV  1330' Thereby certify   W. HOOVER  NSERVATION  1/4/9  EYOR C.  1 that the well is  2 field notes of	Hoove R N COORDINATOR		
						2000.	correct to hast	JUNE 300	Of STIONAL PARTY OF STI	

#### PROPOSED WELL PLAN OUTLINE

WELL NAME HARDY 36 STATE NO. 20

2000' FSL 330' FEL SECT. 36 T-20S R-37E LFA CO.

LOCATIO			FEL SECT. 36 T		CO.						
TVD		FORMATION		TYPE OF		CASING		FORMATION		MUD	
IN			DRILLING	FORMATION	HOLE		FRAC	PRESSURE	l	14100	
1000	MD	TYPE	PROBLEMS		SIZE	SIZE DEPTH			wt	TVOE	DAVO
0						O'LL DEITH	CITAL				DAYS
			POSSIBLE HOLE ENLARGEMENT	<b>{</b>	12-1/4"	:			8.4	FRESH	
1			AND SLOUGHING	ļ			]				
1						·					
1				1			1		İ		
				1							
1		RUSTLER 1430				8-5/8" 1500"					3
1 2						24# K-55, ST&C			Ī		
1 1						920 ex, circ cent	ł		10	BRINE	
		B/SALT 2550'		2-MAN MUD LOGGERS			İ				
		YATES 2637		ON AT 3500							
3		7-RIVERS 2904°					1				
		QUEEN 3533' PENROSE 3650'									
		GRAYBURG 3802									
4		SAN ANDRES 4030		H2S MONITOR ON AT 4000'							
1				THE MONITOR ON AT 4000				Loss than 2.3			
			POSSIBLE LOST				1				
			CIRCULATION AND SEEPAGE		7-7/8"		1				
5			TO TOTAL DEPTH				1		BRINE	STARCH	
	-	GLORIETTA 5245°	CASES OF DIFFERENTIAL	İ					10 - 10.2		
			STICKING THROUGH GLORIETTA								
6											
		TUBB 6333'									
		DRINKARD 6620' ABO 6915'									
,											
1 '		TD 6930*		GR-CAL-DDL-MSFL 3500' - TD		5 1/2° TD 6930' 15.5#, K-55, LT&C		Less than 8.3			17
	-			GR-CAL-FDC-CNL-PE		1395 ex, circ emt		BHP = 2650 pm			
				3500' - TD							
8				Di-Electric 2000' min							
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DATE December 5, 1995

APPROVED BILLY GOODWIN DRILLING ENGINEER WELL NAME: Hardy 36 State No.20

### CEMENTING PROGRAM

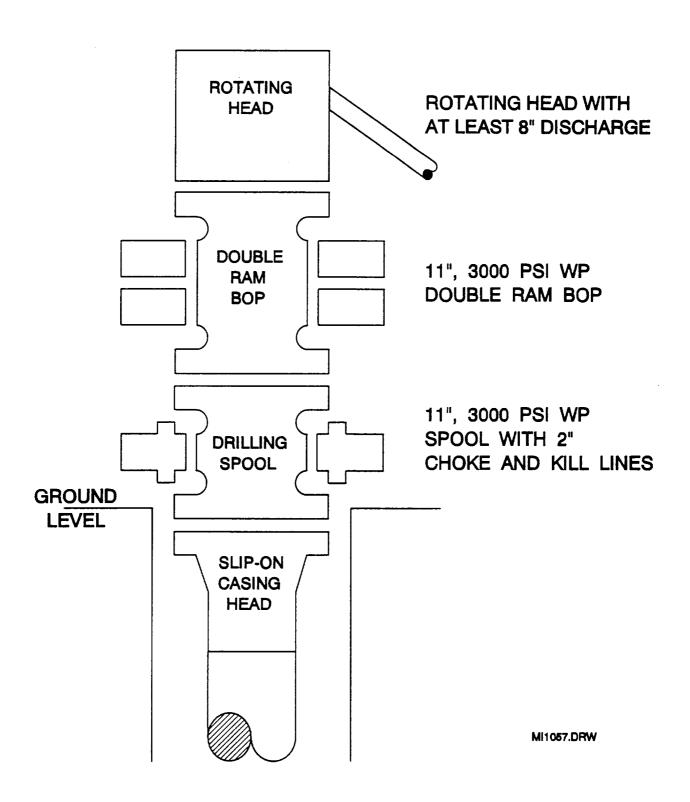
#### **SURFACE CASING STRING**

LEAD	<u>650</u>	sxs	Class	C	Mixed	at <u>13.7</u>	ppg
	Additives	4 % Ge	+2%	CaCl2 + .2	% SMS		
TAIL	270	sxs Cla	ss <u>C</u>	Mixed	at <u>14.8</u>	ppg	
	<b>Additives</b>	2 % Ca	CI			_	

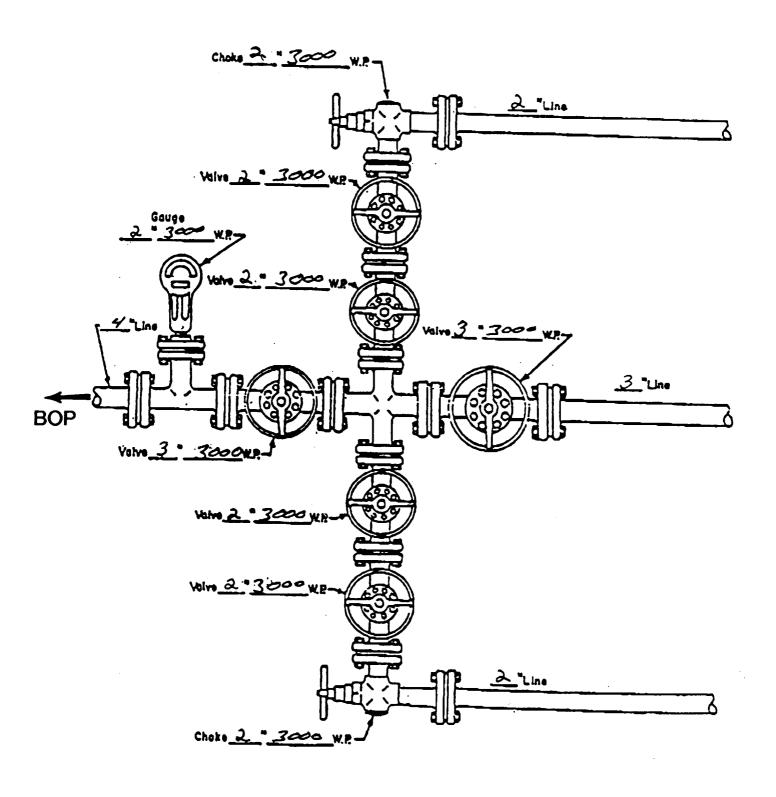
#### **PRODUCTION CASING STRING**

<b>LEAD</b>	<u>685</u>	_ sxs	Class	C	_ Mixed at	12.1	ppg	
	<b>Additives</b>	2.5%	SMS				_	
TAIL	710	sxs	Class _	С	Mixed at _	14.8 p	pg	
	Additives:	1.1% F	L-62+2	2% BA-	90+3% A-5+	- 3% CE	0-32+.2	% SMS

## **BOP SPECIFICATIONS**



## CHOKE MANIFOLD DIAGRAM



MANIFOLD

図 Monuel

☐ Hydraulic