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

7/17/95

(915) 686-6548

### 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

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inta Fc, NM	87504-2088	i								NDED REPORT
TION	FOR P	ERMIT	TO DR	ILL, RE-E	ENTER, DE	EPE	N, PLUGB	ACK,		
	_		Operator No	ame and Addres	u.					OGRID Number
										005073
ESTA DI	RIVE S			•					,	API Number
								İ	30 - 0	25-33020
•					<sup>3</sup> Property Name	•				• Well No.
013396 Hardy 36 State										24
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1	1	`   ` `	Lot Ida	i			Feet from the	East/V	Vest line	County
36				330	1		330		st	Lea
	* P	roposed	Bottom	Hole Loc	ation If Diff	ferent	t From Sur	face		
Section	Township	Range	Lot Ida	Feet from the	e North/South	line	Feet from the		Vest line	County
L	<u> </u>	<u></u>								
ر ام محمد ا	•		_				18 Propos	ed Pool	2	
Hardy		)rınkard	<u> </u>							
C-1-	<del></del>	******		<del></del>						
		" Well Type	: Code	13 Cai	able/Rotary 14 Lease Type		14 Lease Type Co	Code 15 Ground Leve		and Level Elevation
					R		S			3484 ′
•	-	-	-	" Fc	Formation 1º Contractor				<sup>10</sup> Spud Date	
No 7010 ′				Tubb-Drinkard NA						8/1/95
		21	Propose	ed Casing	and Cement	Pro	gram			
ze				ng weight/foot Setting De						Estimated TOC
4"							920	)	S	urface
3"	5-1	5-1/2" 15		5.5#	7010′		139	5	Surface	
$\longrightarrow$										
roposed pro the blowout	gram. If t prevention	his application program, if	anv. Use ad	PEN or PLUG P Iditional sheets i	BACK give the date	n on the	: present producti	ve zone s	and propos	ed new productive
					-					
propose	d to d	rill th	is well	. vertica	lly through	h the	a Granite	Wash	forma	tion .
					•	3 C Hille	en is:			
posed	Well P	lan Out	line		at (C-102)					
enting	Progr	am		4						_
a Ciio	Ke nan	11010 5	DECTITO	'9 (TOH2	Permit E	xpire	es 6 Month	13 Fro	ım Apı	proval
					Date Uni	less	Orilling Ur	nderw	ay.	
that the info	ormation giv	en above is tr	ue and compi	ete to the best			<del></del>			
and belief.	11.11		<b>20 mile 3</b> 0	L					DIVIS	ION
MIL	1/40-	our		<b> </b>	Approved by:			BY		<del> </del>
Jerr	y W. H	oover		-	Tide:			<del> </del>		
_	<u> </u>		inator		Approval Date:	****		rniration	Date	
	· vacio	<del></del>	Thator			Щ	19 1995		<del></del>	
	CO INCESTA DE AND. TE CONTROL OF COMES AND. TE COMES AND TE CO	CO INC. ESTA DRIVE STAND, TEXAS  Proposed Township  Proposed Township  Proposed Township  Proposed N  In Section Township  Proposed	CO INC. ESTA DRIVE SIE 100W AND. TEXAS 79705  erty Code 396 Hardy 3  Section Township Range 36 20S 37E  Proposed Section Township Range  Proposed Pool 1 Hardy Tubb-Drinkard  Proposed Proposed Pool 1  I Location Below Proposed  Proposed Township Range  Proposed Pool 1  Proposed Pool 1  Proposed Proposed  Proposed Proposed Proposed Proposed Proposed Proposed Proposed Proposed Pool 1  Proposed Propose	CO INC. ESTA DRIVE SIE 100W AND. TEXAS 79705  erty Code 396 Hardy 36 State  Section Township Range Lot Idn 36 20S 37E   **Proposed Bottom* Section Township Range Lot Idn  **Proposed Pool I** Hardy Tubb-Drinkard  **Proposed Pool I** Hardy Tubb-Drinkard  **Proposed Depth No 7010'  21 Proposed 22 Casing Size Casing 38" 5-1/2" 15  **Section Township Range Lot Idn  **Proposed Pool I** Hardy Tubb-Drinkard  **Proposed Depth No 7010'  21 Proposed 22 Casing Size Casing 38" 5-1/2" 15  **Section Township Range Lot Idn  **Proposed Depth No 0  **Proposed Depth No 7010'  21 Proposed  **Section Township Range Lot Idn  **Proposed Depth No 10	Operator Name and Address  CO INC. ESTA DRIVE STE 100W AND. TEXAS 79705  Township Range Lot Ida Feet from the 36 20S 37E 330  **Proposed Bottom Hole Loc Section Township Range Lot Ida Feet from the 1 Loc Section Township Range Lot Ida Feet from the 1 Loc Section Township Range Lot Ida Feet from the 1 Loc Section Township Range Lot Ida Feet from the 2 Proposed Propin Range Lot Ida Feet from the 2 Proposed Casing Size Casing weight/foot 1 Tubb-1 Tu	ATION FOR PERMIT TO DRILL, RE-ENTER, DE  Operator Name and Address.  CO INC. ESTA DRIVE STE 100W AND. TEXAS 79705  Try Code  Serty Code  Approved Property Name  Operator Name and Address.  Operator Name and Address.  Property Name  Property Name  Operator Name and Address.  Property Name  Operator Name and Address.  Property Name  Operator Name and Address.  Opera	CO INC.  CO	CO INC. ESTA DRIVE STE 100W AND. TEXAS 79705  Try Code 376 Hardy 36 State  7 Surface Location  Section Township Range Lot Idn Feet from the North/South line Feet from the 330 South 330  8 Proposed Bottom Hole Location If Different From Surface In Township Range Lot Idn Feet from the North/South line Feet from the Proposed Pool I "Proposed Pool I "Cable/Retary "Lease Type Code N S South 7010" Tubb-Drinkard NA  21 Proposed Casing and Cement Program  22 Proposed Casing and Cement Program  23 Proposed Casing weight/foot Setting Depth Socks of Socks	CO INC. ESTA DRIVE SIE 100W AND. TEXAS 79705  Section Township Range Lot Idn Feet from the 330 East South 330 East Proposed Bottom Hole Location If Different From Surface  Section Township Range Lot Idn Feet from the South 330 East Proposed Bottom Hole Location If Different From Surface  Section Township Range Lot Idn Feet from the North/South line Feet from the East/N  Proposed Bottom Hole Location If Different From Surface  Section Township Range Lot Idn Feet from the North/South line Feet from the East/N  Proposed Pool I  Hardy Tubb—Drinkard "Proposed Pool I  Hardy Tubb—Drinkard "Proposed Pool I  Hardy Tubb—Drinkard "Contractor NA  21 Proposed Casing and Cement Program  Section Casing Size Casing weight/foot Setting Depth Sacks of Cement Proposed Pool I	AMEI ATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR A  Operator Name and Address.  CO INC.  CO INC.  CO INC.  Operator Name and Address.  Operator Name and Addr

Attached 🛛

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 Rio Brazos Rd., Aztec, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

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 Offic

State Lease - 4 Copie: Fee Lease - 3 Copie:

AMENDED REPORT

		•	WELL L	OCATIO:	N AND ACI	REAGE DEDICA	ATION PLAT				
1API Number 30-025- 33029				<sup>2</sup> Pool Coo 9635/9	6	North Hardy		<sup>3</sup> Pool Name b-Drinkard			
*Property	Code				<sup>5</sup> Propert				• ₩c	Il Number	
013396					HARDY 3					24	
OGRID 7	- 1				<sup>6</sup> Operato				•	Elevation	
0050	73					O INC.		3484			
					<sup>10</sup> Surface	Location					
UL or lot no.	Section	Township	Range	Lot Idn		North/South line	Feet from the	East/We		County	
Р	36	20-S	37-E		330	SOUTH		330 EAST			
			Bottom	Hole		If Different 1		ace			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	set line	County	
<sup>2</sup> Dedicated Acr	13 7-1-4	- 7-611 144	Consolidation	- C-4- 15/	Onder No.			<del></del>			
	es Joint	or mini	COMPONDATIO	r code	order no.						
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NO ALLON	ADLE W					SEEN APPROVED			EN COP	ISOLIDATED	
16							17 OPER	ATOR	CERTI	FICATION	
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							true and comp.	iete to the i	best of my k	noviedge and belief.	
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							<b>E</b>	SISIB3	8278		
	Ì						5	国		SURVEY	
					3		Lan	XX	· Co	LING	
	Ì					- 9 <del></del>	30'	10	PESSION!	11.	
						330	Certificate N	iumber	8278		

#### **PROPOSED WELL PLAN OUTLINE**

HARDY 36 STATE NO. 24

J		FORMATION	_	TYPE OF		CA	SING		FORMATION		MUD	$T^-$
1		TOPS &	DRILLING	FORMATION	HOLE			FRAC	PRESSURE	1		
١		TYPE	PROBLEMS	EVALUATION	SIZE	SIZE	DEPTH	GRAD		WT	TYPE	DA
0					12-1/4"					8.4		1
			POSSIBLE HOLE ENLARGEMENT							0.7	Presh	İ
ŀ			AND SLOUGHING					İ				1
,									1			1
1			:									İ
		RUSTLER 1430				8-5/8" 24# K-55,	1500'					3
2						920 sx, circ				l. <u>.</u>	****	
1						920 M, CHC	au			10	BRINE	
Į		B/SALT 2550' YATES 2740'		2-MAN MUD LOGGERS ON AT 3500						l		
3		7-RIVERS 3000		ON AL SOC					}	İ		
Ĭ		QUEEN 3565'						1				
-		PENROSE 3690' GRAYBURG 3845'						!	1			1
4	-	SAN ANDRES 4075		H25 MONITOR ON AT 4000'				-				
Ì		44,74,0400 47,3		I ACMIONION ON AT 4000				ŀ	Less than 8.3			
ŀ			POSSIBLE LOST CIRCULATION AND SEEPAGE		7-7/8*							İ
5	$\dashv$		TO TOTAL DEPTH		,-,,			İ	ļ	BRINE	STARCH	
Ì										10 - 10.2	SIAKCH	
ŀ		GLORIETTA 5350' BLINEBRY 5830'	CASES OF DIFFERENTIAL STICKING THROUGH GLORIETTA							ŀ		1
6												l
		TUBB 6380'										
1		DRINKARD 6660' ABO 6950'						İ				ļ
7		TD 7010'		GR-CAL-DDL-MSFL		5 1/2"	TD 7010	1	Less than 8.3			17
1				3500' - TD		15.5#, K-55,	LT&C		BHP = 2650 pai			"
ł	+			GR-CAL-FDC-CNL-PE 3500' - TD		1395 soc, circ	cmt		İ			
				Di-Electric 2000' min				1				
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16										]		

DATE JULY 13, 1995

APPROVED BILLY GOODWIN

DRILLING ENGINEER

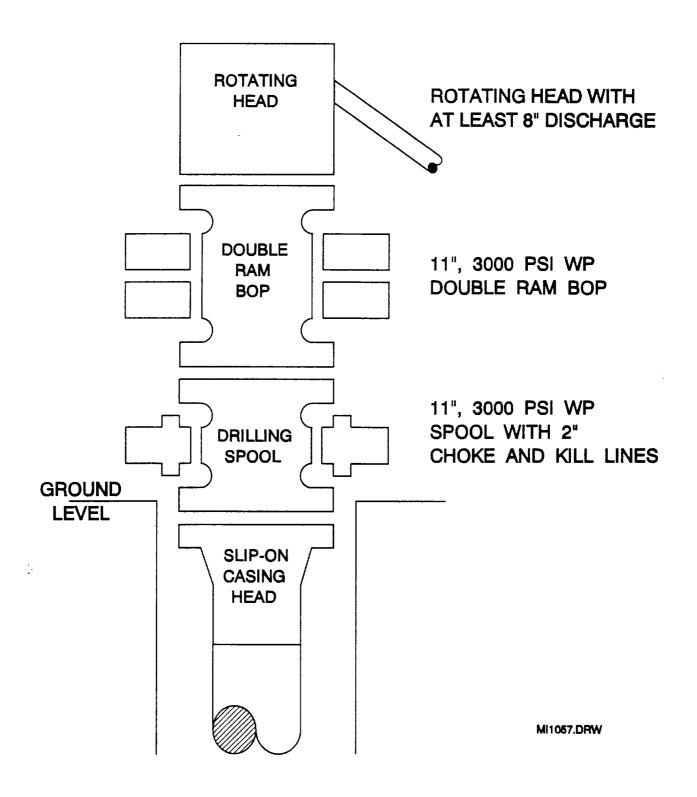
## RECEIVED

JUL 1 8 1995 OFFICE

#### **CEMENTING PROGRAM**

Surfac	e Casing String						
LEAD	650 Additives 4%	sxs GEL, 2% CaC	Class	<u>C</u>	Mixed at _	13.7	_ ppg
TAIL .	270 Additives <u>2%</u> (	sxs CaCl,	Class	С	Mixed at _	14.8	_ PPg
Interm	nediate Casing S	tring:					
1st Sta	<u>ige</u>						
LEAD	Additives	sxs	Class		Mixed at _		_ ppg
TAIL _	Additives	sxs	Class		Mixed at _		
	Percent free wa	iter			Water Loss		_ cc
2nd St	age						
LEAD	Additives	sxs	Class	·	Mixed at _		_ PPg
TAIL _	Additives	sxs	Class		Mixed at _		_ PPg
	Percent free wa	iter			Water Loss		cc
Produc	ction Casing Str	ing:					
1st Sta	<u>ige</u>						
LEAD	685 Additives 2.5%		Class	<u>C</u>	Mixed at _	12.1	_ ppg
TAIL _	Additives 1.1%	FL-62 + 2%	BA-90 + 3% A	<del>4-5 + .3</del> %	6 CD-32 + .2% S	14.8 MS	
	Percent free wa	iter	0		Water Loss	51	_ cc
2nd St	age						
LEAD	Additives	SXS	Class	<del></del>	Mixed at _		_ ppg
TAIL _	Additives	2X2	Class				_ ppg
	Percent free wa	iter			Water Loss		cc

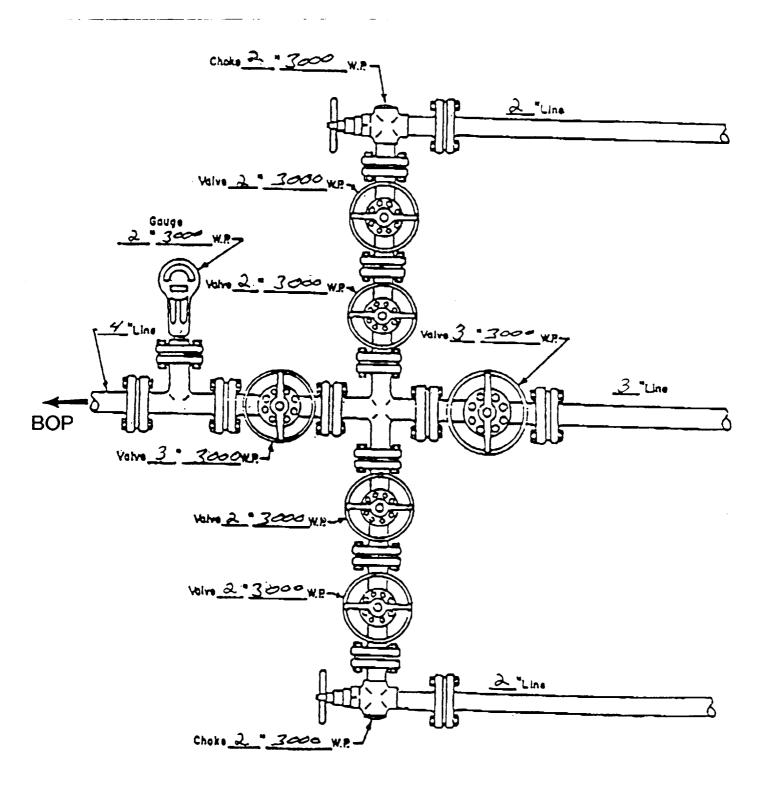
### **BOP SPECIFICATIONS**



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UCU HUBBS

# CHOKE MANIFOLD DIAGRAM



MANIFOLD

区 Monuel

☐ Hydraulic