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

State of New Mexico

7

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

State Lease - 6 Copies
Fee Lease - 5 Copies

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

AMENDED REPORT

2

APPLICA	TION	FOR P	ERMIT '	TO DRI	LL, RE-EN	ITER, DE	EPF	EN, PLUGB	ACK,	, OR A	DD A ZONE
				Operator Na	ame and Address.						GRID Number
CONO	CO INC.		:						1	i	005073
	ESTA DE AND, TE		TE 100W 79705		•				,	1	API Number
		-//11-	7700			<u></u>	_		,	30 - 0	25-32513
* Propr	erty Code					Property Name		***			· Well No.
	13396		Hardy 36	State						- 1	4
					⁷ Surface	Location					
UL or lot no.	Section	Townshi	.	Lot Idn	Feet from the	North/South	line	Feet from the	East/V	West line	County
J	36	209	S 37E	4	1880	South	ı	1680	Ea	ast	Lea
		8 F	roposed	Bottom	Hole Locat	tion If Diff	fere	nt From Sur	face		<u> </u>
UL or lot no.	Section	Township		Lot Idn	Feet from the	North/South		Feet from the		West line	County
	l′							'	1		
		•	posed Pool 1			1		16 Propor	sed Pool 2	2	<u> </u>
Wilde	at Elle	∌nburge	er-Grani	te Wash	.a	I					

" W. 'A.	Tyr 'ede		12 Well Type	e Code	13 Cable	e/Rotary		14 Lease Type Co	de	15 Grou	nd Level Elevation
N				ر		R		S	1	3490	
" Mv	ultiple		17 Proposed	Depth	" For	mation		1º Contractor		26 Spud Date	
1	No		697	<i>1</i> 5′	Granit	e Wash			,	1	9/1/94
L			21	Propos	ed Casing a	and Cemen	t Pr	.ogram	1	<u> </u>	7/1//7
Hole Si	ize	Ca	sing Size		ng weight/foot	Setting De			f Cement		Estimated TOC
17-1/2	2"	13-	3/8"		4.5#	500′	<u> </u>	525		 -	urface
12-1/4	4"	9-1	5/8"	1	36#	3850 ´			1400		urface urface
8-3/4	4"		7"		26#	10,550	, ,	187		Surface	
				1						_	21 1022
Describe the	proposed pr	rogram. If	this applicati	on is to DEE	PEN or PLUG BA	ACK give the dat	ia on i	the present producti	ive zone	and propos	ed new productive
zone. Describe	the blowour	i prevention	ı program, if	any. Use ad	dditional sheets if a	accessary.					-
Itis	propose	ed to (drill t	nis wel	l vertical	ly throug	ih t	he Granite	Wash	ı forma	tion
accord.	ing to	the p?	lan out]	ined in	n the follo	owing att	tachi	ments:	200	ZIN.	~*`)
i. wel	11 Loci	ation /	& Acreac	je Dedic	cation Pla	t (C-102)	ļ	OPER. OGRID	-ï	كبي	
l 2. Pro	oposed	Well F	Plan Out	tline			P	PROPERTY NO	٥ا	551	16
4. BOF	P & Chr	ske Mar	ram nifold S	pecific	cations		Р	OOL CODE_	11	4 <u>631</u>	√.
l							E.	FF DATE	51	19/96	J
L								31	<u>تي - ب</u>	<u>(- 7 (</u>	513
is I hereby certify of my knowledge			ven above is to	rue and comp	lete to the best	OI.	LĈ	ONSERVAT	TION	DIVISI	ON
Signature	-111/	11/1	11		l _A	Approved by: OFF			TORRY	SEXTON	
Printed name:	2VVY	///k	Hoover	4				ric season an Matricul I beld	<u> </u>	32	<u>'</u>
						iuc:				<u></u>	
Title: Sr.	. Conse	ervatio	on Coord	Jinator	^	Approval Date	6 1	9 1994	Expiration	a Date:	
Date:	2/10/	24	Phone:	- /9/-	(540 C	Conditions of Appro					
i .	8/10/9	14	- 【アエご	5) 686-6	ر N 348 د	Attached 🔲					

District I PO Box 1966, Hobbs, NM 88241-1986 District II PO Drawer DD, Artesia, NM \$1211-9719 District III

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

State of New Mexico

Array, Minerals & Natural Resources Department

Form C-10 Revised February 10, 199 Instructions on bac

Submit to Appropriate District Offic

State Lease - 4 Copi Fee Lease - J Copi

1900 Rio Brasse Rd., Astes, NM 87410 District 1V

AMENDED REPOR

1,	LPI Numbe	P.		1 Pool Code		la/	'ildcat E	PoolNi		Gran	nite Wash
	a. i				i Pr	roperty		7.000	101		Well Number
170perty			Н	ARDY 36							4
OGRID						peraler	Name				' Elevation
00507	1		С	ONOCO,	INC.						3490
	<u> </u>				10 Sur	face	Location				
/L or lot so.	Section	Towaship	Range	Lot Ida	Foot from	i iba	North/South line	Feet from the	East/Wes	4 line	County
J	36	20-S	37-E		1880)	SOUTH	1680	EAS1		LEA
		<u> </u>	11 Bot	tom Hole	e Locati	ion [f Different Fro	om Surface			
UL or lot so.	Section	Towaship	Range	Lot Ida	Feet from	the	North/South line	Feet from the	East/Wa	i line	County
Dedicated Act	es 15 Joint	et leun 14 (Consolidatio	a Code 11 C	rder No.		<u> </u>		1		
40	}										
NO ALLO	WABLE	WILL BE	ASSIGNE	D TO TH	S COMP	LETI	ON UNTIL ALL	INTERESTS H	AVE BE	EN CO	NSOLIDATEI
		OR A	NON-ST	ANDARD	UNIT H	AS B	EEN APPROVED				
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				1	1			Certificate N	umber		

PROPOSED WELL PLAN OUTLINE

WELLNAME HARDY STATE 36 NO.4

Est. GL = 3490'

SEC 36, T20S, R37E, LEA Co., NEW MEXICO

Est. KB = 3506'

LOCATION	N	SEC 36, 1205	, R37E, LEA Co.,	NEW MEXICO					Est. KB = 3506'	
TVD		FORMATION		TYPE OF		CASING		FORMATION	MUD	
IN		TOPS &	DRILLING	FORMATION	HOLE		FRAC	PRESSURE		
1000'	MD	TYPE	PROBLEMS	EVALUATION	SIZE	SIZE DEPTH	GRAD	GRADIENT	WT TYPE	DAYS
0					17-1/2	13-3/8",54.5,K-55			SPUD	
0					17-1/2	ST&C @ 500'			54.05	
1									10 PPG BRINE	
[]		RUSTLER 1295' TOP SALT 1390'								}
!		TOF SALT ESO	WASHOUTS IN SALT SECTION							
2					12-1/4			<8.3	}	
		BOTTOM SALT 2510' YATES 2610'	LOST CIRCULATION TO 5000' SEEPAGE TO SEVERE						·	1
3		SEVEN RIVERS 2882'	SELFACE TO SEVERE							
1		SEVEN NEVENO 2002	ACTIVE WATERFLOOD ZONE							
]		QUEEN 3520'		TWO MAN MUDLOG @ 3500		9-5/8",36#,K-55,LT&C				
		GRAYBURG 3785'				@ 3850'(DR IFT@8 -3/4")			-	
4		SAN ANDRES 4009'	BOSSIDI E DEVE ATION TO TO							
			POSSIBLE DEVIATION TO TO						FRESH WATER	
]								
5										
		GLORIETA 5217'	PARTIAL LOSSES POSSIBLE					<8.A		
		BLINEBRY MKR 5703'						-07	l	
6										
		TUBB MARKER 6310'	HARDY ST. 36-1 HAD LOSSES @						M:UD UP @ 6300'	
		DRINKARD 6602'	6357'OF 170 BPH - MUDDED UP						FW GEL 8.5-8.7 WL 35cc	
		ABO 6886'							WESSEE	ļ
7		-			8-3/4				ĺ	
		STRAWN 7510'				1				1
										1
8		DEVONIAN 7986'	POSSIBLE SEVERE LOSSES			<u> </u>				
		•	FROM DEVONIAN TO TD					ļ	1	
							ĺ	İ		1
9										1
]							REDUCE WL @ 9400' TO 15cc	1
	<u> </u>	SIMPSON 9640' McKEE SAND 9940'	WASHOUTS IN MCKEE SAND					8.7-8.8	MW @ 8.7-9.0	1
10		ELLENBRGR LIME 10 180'	HAR DY ST. 36-1 HAD LOSSES							İ
1		GRANITE WASH 10456'	OF 10 BPH @ 10,300'-USED 8.8		Į.	7",26#,K-55 & L-80				
		i	MW&CaCO3 TO STOP LOSSES	CD CALL LDT CNI		@ 10,550'	ļ	ļ		
		TD @ 10550'		GR-CAL-LDT-CNL						
11		1		GR-DLL-MSFL GR-SON(LS)-DIEL	1		1			
		1		2000' OF NMR LOG						
		1		ROTARY SW CORES						
12						1				
		1						1		
						1	1		1	1
13		1					1	1		
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) F	V	E	8/2/94	

PREPARED BY: BILLY GOODWIN

DRILLING ENGINEER

DAMIAN BARRETT

RESERVOIR ENGINEER

WELL NAME: Hardy 36 State No. 1

CEMENTING PROGRAM

SURFACE CASING STRING

525	sxs	Class	C	Mixed	at	14.8	ppg
Additives	2	% A-7P					
	SXS	Class		Mixed	at		ppg
Additives	_						

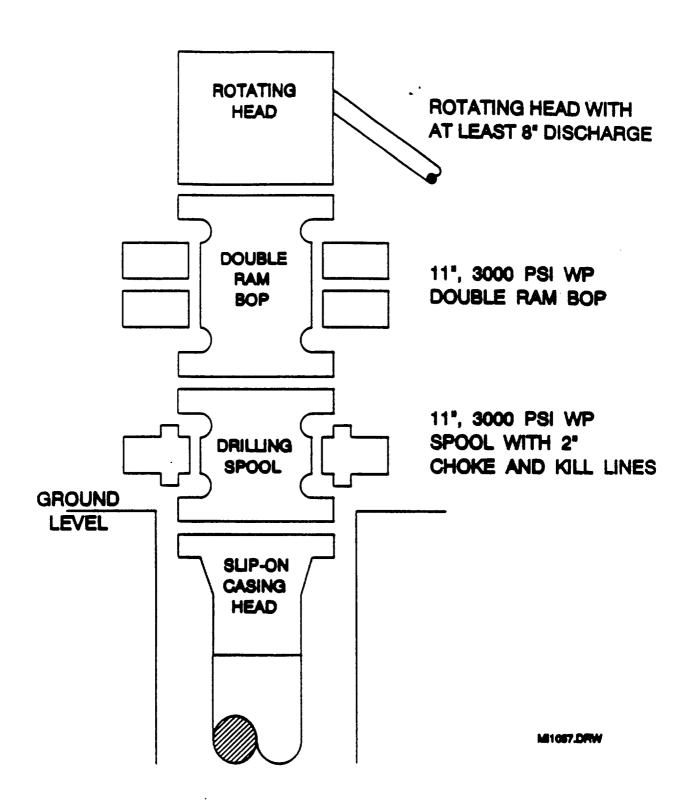
1st INTERMEDIATE CASING STRING

LEAD	1150	sxs C	lass <u> C </u>	Mixed a	t <u>12.7</u> ppg
	Additives	35:6	5:6 + 10	0.000 + 0.000	pps Cello
TAIL	250	sxs C	lass <u>C</u>	Mixed a	t <u>14.8</u> ppg
	Additives	2 %	A-7P		

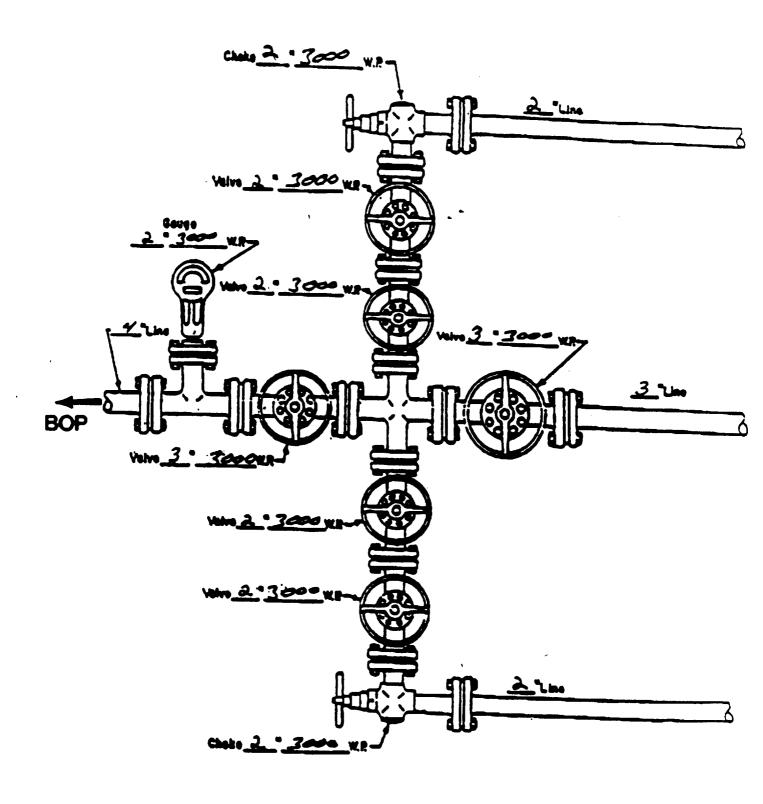
PRODUCTION CASING STRING

S T A G E	LEAD TAIL	530 Additives 230 Additives	2 sxs	% SMS + Class	3 % A-9 H	Mixed	at		ppg
1									
S T A G E	LEAD TAIL	500 Additives Additives	_ sxs _ <u>1.1%</u> _ sxs	FL-62+.	C 3% CD-32+	2% SMS	+3%	A-9	ppg ppg
S T A G E	LEAD TAIL	280 Additives 330 Additives	29 sxs	% SMS Class	C C .3% CD-32	Mixed	at	12.4 14.8 6 A-9	

BOY SPECIFICATIONS



CHOKE MANIFOLD LIAGRAM



MANIFOLD

Monuel Monuel

☐ Hydraulic