District.I 1625 N. French Dr., Hobbs, NM 88240 District.II 811 South First, Artesia, NM 88210 District.III 1000 Rio Brazos Road, Aztec, NM 87410 District.IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-101 Revised March 17, 1999

Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505 Submit to appropriate District Office State Lease - 6 Copies Fee Lease - 5 Copies

Ш	AMENDED REPORT

	<u></u>		perator Name an				-		² OGRID N	ADD A ZO	
	Con	oco Inc., 10 De	sta Drive, Suite 6	49W, Mic	dland, TX 79705			005073	³ API Num	iber	
					5 75 . 37	.		30 - DA			
³ Propert	y Code				⁵ Property N State F						
					⁷ Surface L				·		
UL or lot no.	Section	Township	Range	Lot I	ŀ	Feet from the North/South line		Feet from the	East/Wes	t line (County
W	1	21S	36E		50	500' South		2000'	Eas	t	Lea
		8 I	Proposed Bo	ottom I	Hole Location	on If Diffe	rent Fron	n Surface			
UL or lot no.	Section	Township	Range	sed Bottom Hole Location If Differe		h/South line	Feet from the	East/Wes	t line (County	
 .	<u> </u>		oposed Pool 1					¹⁰ Proj	posed Pool 2	l	
		Н	ardy Abo								
¹¹ Work	Гуре Code		12 Well Type Cod	e	13 Cable	2/Rotary	14	Lease Type Code		15 Ground Level E	
]	V N		0			<u> </u>		S		3500° 20 Spud Dat	
	ultiple IO		¹⁷ Proposed Depth 7750'	1	1	mation bo		19 Contractor		01/10/0	
	10		21	ropose	d Casing an		Program	1	<u> </u>		
Hole S	ize	Casir	ıg Size		g weight/foot	Setting Depth		Sacks of Cement		Estimated TOC	
12 ½			8-5/8"	24#			00'	665'		Surface	
7 7/8			, 5 ½"		17#	7750'		990'		Surface	
			, i								
							,				
zone. De . Well Loc . Proposed . Cementin	escribe the lation and A Well Plan ng Program	blowout prever creage Dedica Outline		any. Use	EPEN or PLUG B		data on the	present productiv	e zone and pr	oposed new pro	ductive
4. BOP/Ch	oke Diagra	m		F	ermit Expi	ires 1 Ye less Dril	ar From	Approvat derway			
			iven ghave is too		Date Un	res 1 Ye less Dril	ing Und	derway	TIOLIN	Mator	
²³ I hereby cer	ify that the	information g	iven above is tru		Date Un	res 1 Ye less Dril	ing Und	Approval derway ONSERVA	TION DI	VISION	
¹³ I hereby cer	ify that the	information g	,	e and con	Date Un	res 1 Ye less Dril	OIL C	derway	TION DI	VISION	
is I hereby cer pest of my kno Signature:	ify that the	information g	iven above is tru	e and con	Date Un	less Dril	OIL C	derway	TION DI	VISION	
I hereby cer est of my kno signature:	ify that the owledge and Kimberly	information g	,	e and con	Date Un	Approved b	OIL Co	derway	TION DI		
³ I hereby cer	ify that the owledge and Kimberly tes Assistan	information g	,	e and con	Date Un	Approved b	OIL Co	derway			

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II 811 South First, Artesia, NM 88210

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

2040 South Pacheco, Santa Fe, NM 87505

DISTRICT IV

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	Number			Pool Code	Pool Name								
50-025	: 35	577/	1/ 97075 Hardy Abo										
Property C	ty Code		Property Code		Property Name							Well No	
3/05		STATE F1							Elevat				
OGRID No		Operator Name						1					
0050	7 <u>3 </u>				CONO	CO IN	NC.			350	<u> </u>		
Surface Location									<u> </u>				
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro	m the	North/South line	Fe	et from the	East/West line	County		
w	1	21 5	36 E		50	0	SOUTH		2000	EAST	LEA		
			Bottom	Hole Lo	cation l	f Diffe	erent From Sur	fac	e		·		
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro	om the	North/South line	Fe	et from the	East/West line	County		
Dedicated Acres	Joint o	r Infili (Consolidation (Code 0	rder No.		· !				•		
40	1												
		TTT DD	OCIONED	TO THIS	COMDIE	TOTAN I	UNTIL ALL INTER	TES'	TS HAVE RI	EEN CONSOLIDA	ATED		
NO ALLO	WABLE V	OR A	ASSIGNED NON-STAN	DARD U	NIT HAS	BEEN	APPROVED BY	THE	DIVISION				
LOT 12 - 4		LOT 11	- 40.0 AC.	LOT 10	- 40.0	AC. 1 l	LOT 9 - 40.0 AC.	T	OPERATO	OR CERTIFICAT	TION		
1 101 12 4	0.0 Au.	201 17											
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				1		l i			best of my know	uledge and belief.			
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						ļ		П	X(U	- Madae	<u> </u>		
IL	4					-4-		+1	Signature	manos			
LOT 13 - 4	0.0 AC.	LOT 14	- 40.0 AC.	LOT 15	5 - 40.0	AC.	LOT 16 - 40.0 AC.	·	KAY	MADDOX			
	Ì								Printed Nam	1 .0	1		
	j					Ì		Ш	Keg Ul	ciora radi	<i>T</i>		
	i					i			~ /	5/2001			
						ĺ			Date /	9/0001			
	:	!				i	e,						
	i	ļ i		ļ		i		_[]	SURVEY	OR CERTIFICAT	TION		
							<u>.</u>		I hereby certif	y that the well locat	ion shown		
		l					* 3	ļ		as plotted from fiel			
						1				made by me or nd that the same is			
		 -				1				he best of my belie			
		 -				i I							
		 -			N32°30'07					ember 9, 200	1		
		!		LONG -	W103°13	'01.0"			Date Survey	OY L. JOL			
 	_ — — -	<u> </u>		1000				7	Professional	SULVEN OF	M		
				\$	O	Ţ		ľ	1/	10 × 10 ×	1		
		1		1	. 500				1) 47	(KINITY)	M_		
				3500.4	3500	.3'			10 High	7277 U	ž /		
		1		1	X	💆	- 2000'		Nã V	No. 2031	¥//		
				•	-		2000		Certificate	No. Cory Jens	7977		
		1		3501.5	3498.	.2'				NO: GOTY LAND	r		

PROPOSED WELL P OUTLINE

State F-1 #15 Ground Level: 3.504

LOCATION 500' FSL 2000' FEL Sec 1. T21S. R36E, Lea Co.. NM. Kellv Bushina: 11' AGL

Depth MD	FORMATION TOPS (from GL)	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING PROGRAM	FRAC GRAD	FORM. PRES. GRAD.	Mud Weiaht & Type	Davs
1		Possible Hole Enlaraement & Slouahina		12-1/4"			Less than 8.3	8.4 - 9.5 Fresh	
3		a Siddillid					-		
5 6 7									
8 9									
1000]	
3 4	Ton Salt @ 1.365'	Markanta in Call Continu			8-5/8", 24#, J-55 ST&C @ 1,500" Circulate Cement			10	3
5 6 7		Washouts in Salt Section		7-7/8"	Circulate Cement			Brine	
2000 2000							Less than 8.4		
1 2							2000 11011 011		
3 4 5	Basa Salt @ 2 530		Mud Logaers @ 2.600'						
7	Base Salt @ 2.530 Yates 2.674'		H2S monitor equipment on @ 2.600'						
8 9 3000	7 Rivers 2.934'		on (a) 2.600°						
2									
4 5	Queen 3.443' Penrose 3.542' Gravburg 3.690'								
6 7	Gravburg 3.690'	Mud loss in San Andres							
4000	San Andres 3,940	is likely. Possible loss of returns.							
$\frac{1}{2}$		Losses as great as 40 boh likely from 3900' to 6800'.							
5		likely from 3900' to 6800'.							
7	1						ł		
5000		Possible differential sticking							7
3	0.0.0.0	thru Giorietta Possible lost returns.							
5					1				
8	1								
6000 1									
3	Tubb 6.331'								10
5	Drinkard 6.660'								
<u>E</u>	1Abo 6.952'		First Log Run:					10 ppg Starch Gel	
7000			HALS-Micro CFL-Cal-GR CNL-DLL-PE-Sonic TD-2500'					Search Gel	
3		Minor mud loss possible upon drilling into Strawn.	Second Log Run:						
- 5	Strawn @ 7.729'	Offset data from:	GR-CNL-Cal TD-surf		5-1/2". 17#. L-80 LT&C set @ 7750'				
8000	Strawn @ 7,729'	}	Possible Third Run: FMI imaging log		Circulate cement either single or 2 stage				17
7000		Oxy State F-1 #1	 	† 	1	T .			L

19-Nov-01

Al Gomez, Geologist

APPROVED

Y.P. Ortez, Drilling Engineer

Jim Hubbard, Reservoir Engineer

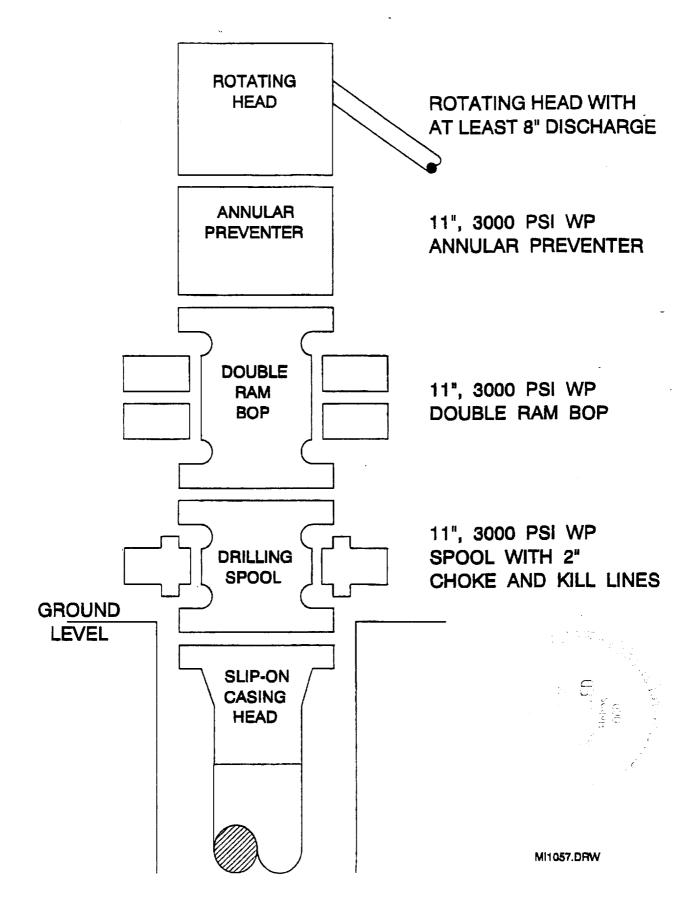
State F-1 #15 PROPOSED CASING & CEMENT PLAN

Surface casing size:	8-5/8", 24#, J-55, ST&0	5	Casing OD:	8.625 i n
Surface casing depth:	1,500	ft	Casing ID:	8.097 in
Hole size:	12.25	in .	Shoe jt length:	40 ft
Static temperature:	89	deg F	Lead Excess:	101 %
Circulating temperature:	85	deg F	Tail Excess:	106 %
Lead:	465	s sx	• • •	Cello Flake + 0.005 gps FP-6L
			+ 2% Sodium Me	etasilicate
Tail:	200) sx	CI C + 2% CaCl	+ 0.005 gps FP-6L
Properties			Lead	<u>Tail</u>
Slurry Weight (ppg)			12.4	14.8
Slurry Yield (cfps)			2.15	1.34
Mix Water (gps)			12.33	6.35
Pump time - 70 BC (HH:MM	/ I)		6:25	2:20
Free Water (mls) @ 80 deg	F @ 90 deg angle		0	0
Fluid Loss (cc/30 min) @ 10			854	900
Compressive Strength (psi)	· ·			
12 hrs @		deg F	124	1200
24 hrs @	89	deg F	250	2500

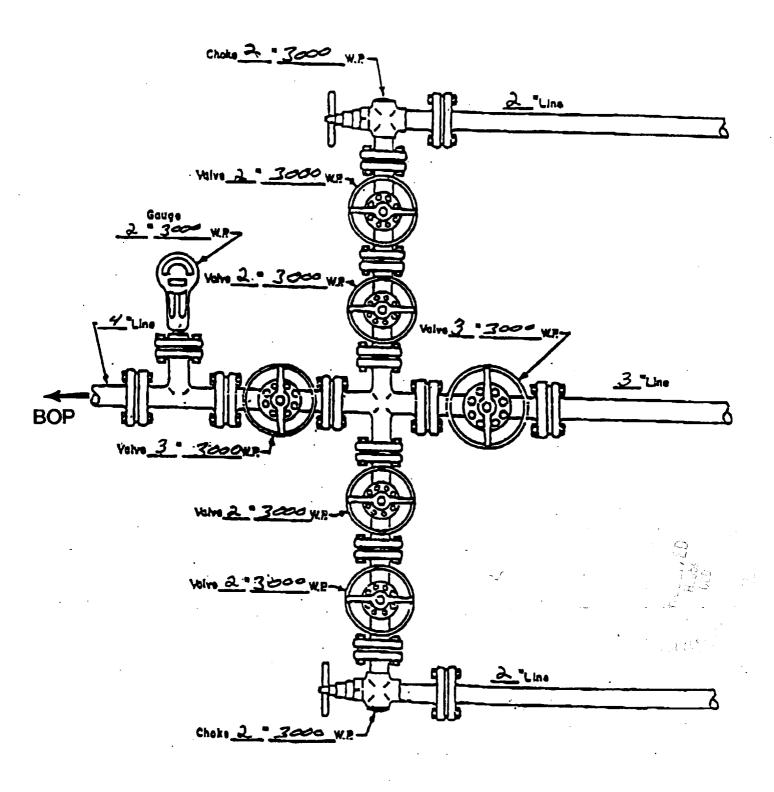
Production casing size:	5-1/2", 17#, L80, LT&	C	Casing OD:	5.500 in
Production casing depth:	8,05	50 ft	Casing ID:	4.892 in
Hole size:	7.87	75 in	Shoe jt length:	80 ft
Static temperature:	12	28 deg F	Lead Excess:	51 %
Circulating temperature:	12	22 deg F	Tail Excess:	51 %
Lead:	56	85 sx	50:50 Poz:Cl C	+ 5% bwow NaCl + 0.25 pps
			Cello Flake + 0.0	005 gps FP-6L + 10% Bentonite
Tail:	4:	25 sx	15:61:11 Poz:Cl	C:CSE + 5% bwow NaCl +
			1% FL-62 + 0.00	05 gps FP-6L
Properties			<u>Lead</u>	<u>Tail</u>
Slurry Weight (ppg)			11.85	13.6
Slurry Yield (cfps)			2.41	1.49
Mix Water (gps)			13.79	7.31
Pump time - 70 BC (HH:M	IM)		2:58	2:31
Free Water (mls) @ 80 de	g F @ 90 deg angle		1	0
Fluid Loss (cc/30 min) @	1000 psi and 80 deg F		792	62
Compressive Strength (ps	i)			
12 hrs @	1	24 deg F	50	1013
24 hrs @	1	24 deg F	175	1875
1				



BOP SPECIFICATIONS



CHOKE MANIFOLD DIAGRAM



MANIFOLD 3000 #WR

区 Monuel

☐ Hydraulie

ABOVE DATE DOES NOT CONFIDENTIAL LOGS WILL BE RELEASED