5.23.95



PO Box 730 Hobbs NM 88241 0730 505 442 7101

May 1, 1995

New Mexico Oil Conservation Division 2040 South Pacheco PO Box 6429 Santa Fe. NM 87505

Attn:

Mr. David R. Catanach

RE:

Exception of Rule 303-A (permission to Down Hole Commingle)

C. H. Lockhart Federal NCT-1 #11

Wantz Granite Wash and Brunson Drinkard Abo, South Unit letter D, Section 18, Township 22S, Range 38E

Lea County, New Mexico

Dear Mr. Catanach:

Texaco Exploration and Production Inc. respectfully requests permission to downhole commingle the Brunson Drinkard Abo, South and the Wantz Granite Wash zones for the C. H. Lockhart Federal NCT-1 #11.

Recently the subject well was recompleted from the Granite Wash to the Drinkard Abo effective February 23, 1995. The Wantz Granite Wash is now isolated by a CIBP set at 7200'. It is proposed to drill out the CIBP, downhole commingle the Granite Wash and Drinkard Abo, and rod pump both zones simultaneously. The outlined method of production will ensure a more complete recovery of hydrocarbons from the two zones. Consequently the productive life of both intervals will be extended thus minimizing waste.

Supporting information (as outlined in Rule 303-D) is included with this application. If additional information is necessary, please contact Darrell Carriger at (505) 397-0426.

Sincerely.

Russell Pool

25 Pal

Hobbs Area Senior Engineer

DJC

Attachments Chrono

cc: Mr. Jerry Sexton-NMOCD (Hobbs)/offset operators

Exception to Rule 303-A

C. H. Lockhart Federal NCT-1 #11

The informational items below are outlined in Rule 303-D (obtaining approval for DHC).

- 1) Texaco Exploration & Production Inc. PO Box 730 Hobbs, NM 88241
- 2) C. H. Lockhart Federal NCT-1 #11
 Unit Letter D, Section 18, Township 22S, Range 38E
 Brunson Drinkard Abo, South / Wantz Granite Wash
- 3) Acreage plats (form C-102) for each zone and an offset operator plat are attached to application.
- 4) A C-116 for each zone is attached.
- 5) A production curve for the Wantz Granite Wash is attached. Because little production history exists for the newly completed Brunson Drinkard Abo, South formation, a well completion history (see well bore diagram) is also attached which includes a prognostication of future production from this zone.
- 6) Estimated Bottomhole pressure for each zone:**
 Wantz Granite Wash: 300 psi
 Brunson Drinkard Abo, South 1270 psi

**Texaco will maintain the commingled zones in a pumped off condition to eliminate "thieving".

- 7) Texaco has surface commingled production from the two zones previously and encountered no operational difficulties as a result of mixing incompatible fluids.
- 8) The C. H. Lockhart NCT-1 Federal #11 produced solely from the Wantz Granite Wash interval in 1994. At this time all volumes produced from the C. H. Lockhart lease were surface commingled into a common lease battery. This surface commingled production included hydrocarbons from the Granite Wash, Blinebry, Tubb, Paddock, and Drinkard Abo formations. The 1994 average value of the crude sold from this battery was \$16,35/BBL.

Effective 2/23/95 well #11 was recompleted from the Wantz Granite Wash to the Brunson Drinkard Abo, South zone. The Wantz Granite Wash was isolated by CIBP set at 7200'. It is now proposed to drill out the CIBP and downhole commingle production from the two zones. If commingling is approved, an estimated additional 26 BBLs/Day will be realized (from the Wantz Granite Wash).

Based on the 1994 yearly average value of \$16.35/BBL of produced crude from this lease, downhole commingling of this well will increase daily revenues by \$425.10.

9)	<u>Pool</u>	OIL (BBL/DAY)	GAS (MCF/DAY)	WATER (BBL/DAY)
	Wantz Granite Wash	26	33	5
	Brunson Drinkard Abo, South	approx. 21	40	5
	TOTAL	47	73	10

Production should be allocated by the following percentages:

Pool	OIL (%)	<u>GAS (%</u>)	WATER (%)
Wantz Granite Wash	55.32%	45.21%	50%
Brunson Drinkard Abo, South	44.68%	54.79%	50%
TOTAL	100%	100%	100%

DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980 DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10,1994 Instructions on back Submit to Appropriate District Office

OIL CONSERVATION DIVISION P.O. Box 2088

State Lease - 4 Copies

1000 Rio Brazos Rd., Aztec, NM 87410 **DISTRICT IV**

DISTRICT III

Santa Fe, New Mexico 87504-2088

Fee Lease - 3 Copies ☐ AMENDED REPORT

P.O. Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30 025 30739	Pool Code 07900	}						
Property Code 10986	⁵ Prop. LOCKHART, C.	⁶ Well No. 11						
OGRID Number 022351		8 Operator Name TEXACO EXPLORATION & PRODUCTION INC.						

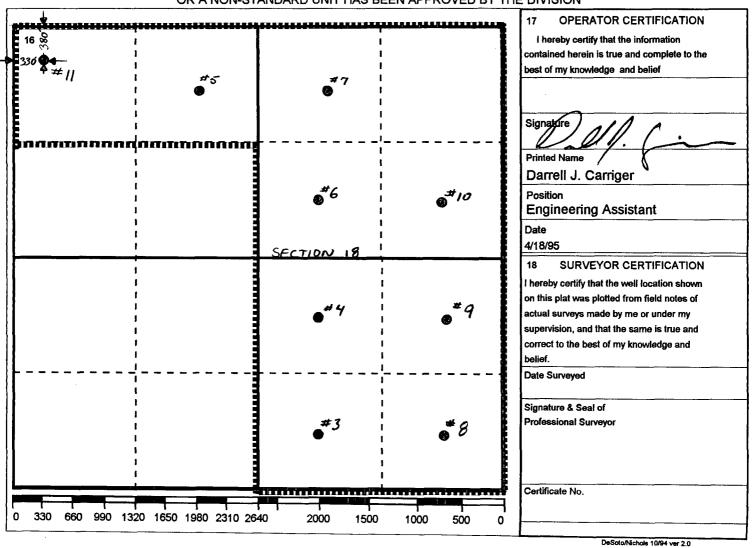
Surface Location

1	UI or lot no.	Section	Township	Range	Lot.ldn	Feet From The	North/South Line	Feet From The	East/West Line	County
	D	18	22S	38E		380	NORTH	330	WEST	LEA

Bottom Hole Location If Different From Surface

				Dottoill 1101	<u> </u>					
Ul or lot no.	Section	Township	Range	Lot.ldn	Feet From	The	North/South Line	Feet From The	East/West Line	County
12 Dedicated	Acres	13 Joint or Infill No	1	⁴ Consolidation	n Code	¹⁵ Or	der No.		<u> </u>	

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



DISTRICT

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 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

¹ API Number	Pool Code	lame	
30 025 30739	62730	nite Wash	
Property Code	⁵ F	⁶ Well No.	
10986	Lockhart,	11	
⁷ OGRID Number		Operator Name	⁹ Elevation
022351		ATION & PRODUCTION INC.	3341'-GR

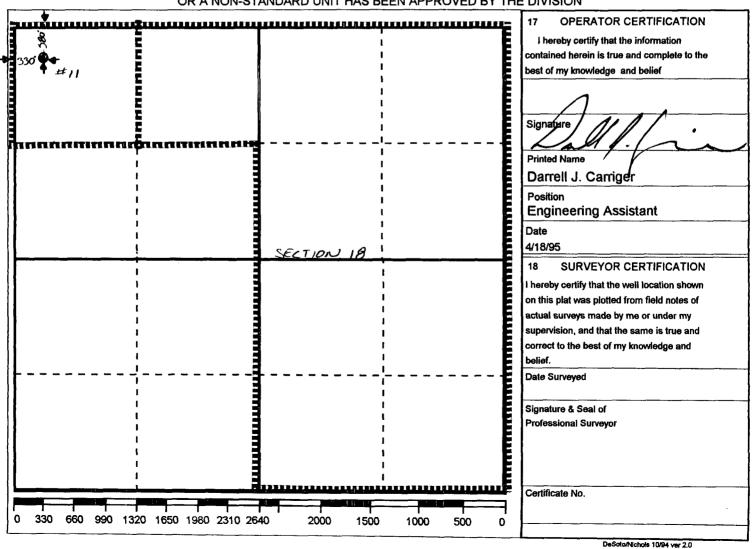
¹⁰ Surface Location

	UI or lot no.	Section	Township	Range	Lot.ldn	Feet From The	North/South Line	Feet From The	East/West Line	County
- 1	D	18	228	38E		380	NORTH	330	WEST	LEA

Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.ldn	Feet From		North/South Line	Feet From The	East/West Line	County
12 Dedicated 40	l Acres	13 Joint or Infill No	1	⁴ Consolidatio	n Code	¹⁵ Ord	der No.			

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



OFFSET OPERATOR OWNERSHIP
C. H. LOCKHART FEDERAL NCT-1 WELL #11
(DRINKARD, ABO, GRANITE WASH FORMATIONS)
NW/4 NW/4 OF SECTION 18
T-22-S, R-38-E, NMPM
LEA COUNTY, NEW MEXICO
APRIL 25, 1995

			m) 	1 \$
A Paris	Ator & Corp Est etc. Turner 15		U.S., MI OTO 7400 U.S., MI (17/8: Serv Mi) (are i sumpers	THE PARTY SHOW THE	Figing w Digitions		
1 1 3 3	# 10 M CON 13 13 13 13 15 CON	Duren (mo) 6 P. Chevron	h G Penrase (& Snew	Civies Serv Barbara ()	4 15.5%		
EIPOSONOS CO-SUN	9 934 (0,001)43- 9 934 (0,001)43- 10 (51)74-75		3 Pherça	U.S. MI MATTER Konneth V. Boer, S	Borbarda ma 7 Fasken 6 : 93 55550		
Mrs Queros	The second	Lunch Sai	Pherce	Borboro	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		} }
	TO THE SOUND OF COURSE OF THE SOUND OF THE S	Alignon) Sten Alice Paddock (Dal) drip a 10 100 Dal hat p L.V. E 11 Lynch (hristmaster P. Sims etc. (S)	Single Amer	053053 32320 HBb 32320	Flying W Diamond Rch J31	32°25 <u>`</u>	+1
ermu H Hendria	70 791 00 10 (Criple) 0 upl 27 12 27 27 27 27 27 27	L' (prich Mendrix Chr Dist Symme) Chast Symme Chronic	Jones Feel (5)	U.S. M.I. L.B. Sims, evel (5) U.S. M.I. Santa Pinasur dock, etal	Han Blag 145	·	
Brunson Arch	a ws	Lundy Land 2 Devon Barry	Morh Amer. Yets	Carling To a got a got a rist	DXY ASKL	•	
90	Another Months	032369 [1,0 Chan 10 10 10 10 10 10 10 10 10 10 10 10 10	Mork Ampr. Voltage Control of Con	PER PROPERTY Annies	2) may 2		1 1
Arch Pers Timin	1	097969 (Semigr) 071977 (Semigr) (Semigr	Retion Mindre 2 U.S. Misself Section 14 G W I Sign 16 Section 14 G W I Sign 16 Section 15 G W I Sign 16 Section 16 G W I Sign 16	Aice and Jourse Aice and Smiley Est.	District of Aug	စ္	
P/B & Amerod	LIE THE SE STATE HEROT STA	* * * * * * * * * * * * * * * * * * * *	Doyle Hartmanzon	Penrose E, Zachory MBP 029029	C.B. Snow HBP 029029	£-4	
time (To are The St. I HA HE ST.	Him too	Zochary Ponrask	029029 Vafes Pri efa! U.S.	am if	. :	
(100)	2 2 10 10 10 10 10 10 10 10 10 10 10 10 10	7	Fe cher Dual TH Sandri	55 Geo. W. Sime, S. 6981	L.V.Sime, etol	۲̈́	11
***	And Andrew Charles and Andrew Charles and	Menters on series, (P/A	1 1938 : 0 7 032100	Mewbourne Oil 1 1.1.9t 44165	E # ROT 7 - 1 - 20 V - 1524 HO 47	©	
THE PARTY OF THE P	The proof of the second	Mared Wien	Fino DE, Chem.	Statement 7 1 92	**** '		1
excharge.	Salver - The County of the Salver of the Sal	o 1723 (assete Dus) W Select S		Goo, W. Sima etal 22200	Cities Service		
proding C	Company of the property of the	Amile Sun Danglode 9-8 8	A PIE Due	Teroco. 200 Miller MI	H.B.P. B 9909		
Canaca etal	To an analysis of the second	Option (Sun)	Antenda 3 Washing Comments of the Butter U.S.	(11) 1 Page 1	War a justo State V Sims, eror (S)	T	1 1
	M2Tr.2	Ph : ps (Trape Crass	monomore to Texate		June Care	22 \$	4
777.0	Form Sun	Morgree M	(Dua) MCT I	Triple	· Yelvs felicion		ì
i Waga Vision	Single Cross	10 mg 2 rwolp 10 75 75 10 10 Prof. Charles Company 5 9 Margatham Dual	B (MB) 34 0700) 17 (MO) Dual	1 1 Lap Sams ele Seraco			
Eusen Wasen	Processor Supersor JH	CW (sm)	Duo 99 0000 €39	Tours: 30 34 97 97 30 97 Duoi Bud 037104 TA	032104		
merpes Tr.15	Accepted to a proof for Misni	ra) 1 2 3 C 2 C Market (mo) - nend; (mo) - n	Duoi Duoi Binebry	"Bi-nebry "NCT I" 4 982 45 921 / 5 Dual (PIB) Allen M D-nahara	tara 2		
	Francis Common Bloom J. Down J. Harding J. H	Unit and C	Mos Gutmon (St.	Allen M. Drinkhara	A.M. Drinkhord		11
15/7/11 1167 119 11/2 01000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Aredork A. A. (Tex Old) Books	Constitution of the consti	Ch Come Bright Bounds				4 1
UNIT Ach Pet	17 5 4 6-4 TEBISA ETEL FOL GHTTU BOART 18500 1812 FOL	Own	(P.B.) When Deminard	Moranco Marines	91.67	فادعيس	
PER)	To see the see	I Great Common S. Ello Dr neard D. neard etal Chevron	LIMPORT AS COL	Chevron Arch Pet	20 9		
Anddorno		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	One of the state o	TO THE SECOND STATE OF THE	Tem Levellery (C)		
A:	The second secon	S.ms Anuncia Sims and Sims "	nendria land Vision M. Drinkoro and	Triple Tom ElegynLaeberyFor	192104 0 San'		
	American Tel Uprom	Summit (Gule) Arch Pel 1097 [nerch] Gules Arch Pel 1097 [nerc	OSZION SHOT 3 2 Chevron	e2 e1 e1 e5	Tenoco opico		
1.36		ments but also t cont the lines		Amero St.	243		41
		a mai Perirat	(Green)		, Same 3		
	-,==,\! A		The state of the s	Service TR Andrews	Blimby Con 12		
A Property			Sanffeshine Care Care Care Care Care Care Care Car	B. C.	,		_

OFFSET OPERATOR OWNERSHIP C. H. LOCKHART FEDERAL NCT-1 WELL #11 (DRINKARD, ABO, GRANITE WASH FORMATIONS) NW/4 NW/4 OF SECTION 18 T-22-S, R-38-E, NMPM LEA COUNTY, NEW MEXICO APRIL 25, 1995

																							<u></u>										
	3					3	1		<u>.</u>		; 32 - ·				- 33				3	1			<u>.</u>	35	<u>.</u>			- 3 6				3	1
							•				<u>.</u>												·	Ī	<u>.</u>								
													!										_	-									
					-																									\Box			(
:	٠٠٠٠												1		Ţ]		1							
-]				T	-6 					 	-	T	-	-		一		- 3 					i –		1	1	-1- 	1	7		6	,
}			!	1				••••	••••				1'''		"†"					***						†							
†				十	1	\exists					Τ	: 	T	 	1	1	1		7	_†		\neg			\pm	T	Ť	T	\dashv	7			
				-				••••			 	-	+	· ;	†-											†"	·-						••••
÷	12	}		╁	i	-7	$\frac{1}{1}$	\dashv		1) —	÷	t	÷	- 9 - 	\dashv	+	$\frac{\cdot}{1}$	-10 	+	7		—1	i —	÷	\vdash	$\dot{\dagger}$	12-	\dagger	-		Ž	
				· · · ·		:-							 	†	+-					·‡					 -	†…	-	··					
÷ -			1				+	\dashv	-		-	: 	-	÷	+	÷	+	+	+	╅	+	\dashv	-		! 	╀╴	╁	+	╪	┽~			
; .			5		-	<u>3</u> .∤.		+				ļ	 	<u> </u>	+					; .					<u>;</u>	 	;			∤	· 		
:	- 13		5	4	- 4	18	\div	\dashv	\dashv	1	7	-	-	:	16-	÷	+	\div	-15	$\frac{\cdot}{\cdot}$	\dashv	$\frac{\cdot \cdot}{\cdot}$	-14	-	- -	-	+	13—	÷	┨		-18	
!				ļ				┉╂					ļ	!	· ··						-			••••		ļ	<u> </u>	·		 			
:	 -	:		}-	<u>: </u>	+	-	\dashv	<u>:</u>	\dashv				<u>: </u>	+	+	╁	-	+	÷	+	\dotplus	\dashv			-	<u>:</u>	┼	÷	┧			
; 					ļ				<u>‡</u>		••••			 .	·}							j.					ļ	ļ		.			· :
<u>:</u>	24				-	19-	+	4	-	- 2 ()—			-	21 —	-	4	÷	22 -	+	+	\dotplus	- 2 3	_				! !4 —	 	4		-19	
	-#-				ļ	-									ļ								.					ļ		.ļ			
	.		••••			\bot	<u>.</u>	1	$\dot{+}$	4		_			╀	!	1	<u> </u>	╀	<u> </u>	4	÷	1		_			_	<u> </u>	ļ		<u>.</u>	
		.								.					ļ					. <u>.</u>	.			<u>ا</u>				ļ	ļ	.l			
	25··		[:	 30 –	<u> </u>	4		- 29		_			 8—	<u> </u>	\perp	Ļ	 2 7–		\perp		- 2 6 -		_		— 2	 5—	<u> </u>	I		30	
						J		1.	<u>į</u>	.					ļ		<u>. </u>		1		.				[ļ	I			
								\perp			_	_			L	<u> </u>	L	-	ot			:							<u> </u>	<u> </u>	.i,		<u>.</u>
	<u>.</u>					<u> </u>		1.							ļ		<u> </u>		<u> </u>											l			
\$: 36 -		[8	 1	<u>!</u>			- 32 -		\perp		-8	 3 —	_	L	<u>!</u>	 4	<u>!</u>	L	Ŀ	3 5	i			- 3 6			l		 31	
•						Ī		1	<u>į.</u> .	Ī													Ī		\prod								
	<u>.</u>	. į.																							J								
												Ī																					:
								Ī	Ī	R																	. •			,			:
						, 		Ī																			[-				6	,	: <u>-</u>
}		·!	•				:	Ŧ	7	7	:		†	÷				!			:	ļ	:	- :	· • • · ·	}	• • • • • •	:	•••				

OFFSET OPERATOR OWNERSHIP C. H. LOCKHART FEDERAL NCT-1 WELL #11 (DRINKARD, ABO, GRANITE WASH FORMATIONS) NW/4 NW/4 OF SECTION 18 T-22-S, R-38-E, NMPM LEA COUNTY, NEW MEXICO APRIL 25, 1995

TRACT	<u>OPERATOR</u>
1	Zachary Oil Operating Company P. O. Box 1969 Eunice, New Mexico 88231
2	John H. Hendrix Corporation 223 W. Wall, Suite 525 Midland, Texas 79701
3	Texaco Exploration and Production Inc. P. O. Box 2100 Denver, Colorado 80201
4	Fina Oil & Chemical Company (Surface to 7,250') P. O. Box 2990 Midland, Texas 79702
	Marathon Oil Company (Below 7,250') P. O. Box 552 Midland, Texas 79702
5	Exxon Company USA P. O. Box 1600 Midland, Texas 79702

Offset Operators:

Please indicate your approval for our request as detailed in the attached package by signing the waiver form below. Please return the signed waiver in the enclosed self-addressed envelope.

Thank you for your cooperation in this matter.

WAIVER TO OBJECTION

TEXACO EXPLORATION AND PRODUCTION

Application for
Exception to Rule 303-A
Downhole Commingle
C. H. Lockhart NCT-1 #11
Wantz Granite Wash and Brunson Drinkard Abo, South
Unit letter D, Section 18, Township 22S, Range 38E
Lea County, New Mexico

I/We do hereby waive any objection to Texaco Exploration and Production Inc.'s request for NMOCD administrative approval to commingle the Wantz Granite Wash and Brunson Drinkard Abo, South zones for the above captioned well.

Signed:	
Title:	
Company:	
Date:	

Receipt for **Certified Mail**

No Insurance Coverage Provided Do not use for International Mail

(See Reverse)	
Sent to	EMICAL 10
7.0. 30x 294	
P.O., State and ZIP Code	x 79702
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Return Receipt Showing to Whom, , and Addressee's Address COMPANY ↭ €D-201 PS Form 3800, March 1993 Return Receipt Showing to Whom & Date Delivered Special Delivery Fee Certified Fee Return Receipt Showing to Whom, Date, and Addressee's Address Restricted Delivery Fee Postmark or Date OTAL Postage o. 130x respect oil

Return Receipt Showing to Whom & Date Delivered

Restricted Delivery Fee Special Delivery Fee Certified Fee

Postmark or Date

OTAL Postage

43-

706 11 735

106

7**3**1

Receipt for Certified Mail

No Insurance Coverage Provided Do not use for International Mail (See Reverse)

Certified Mail Receipt for

No Insurance Coverage Provided Do not use for International Mail (See Reverse)

1969

↭

3	UNITED STATES	Section of the last of the las				
õ	0	7	S	Š)	7

A CENT OF SOUTH OF SO Street and No

See Reverse

N

		Y	
7 50+-	No insur	Certif	Recei

Re □	☐b bll 7∃ Receipt for	for HE
င္ပ္ဆစ္တ	Receipt for Certified Mail	for Ma
No	No Insurance Coverage Provided	e Cove
Do 7	Do not use for International Mail	for Inte
ò	1	•

PS Form 380	0, ма	arch '	1993						
Postmark or Date	TOTAL Postage & Fees	Return Receipt Showing to Whom, Date, and Addressee's Address	Return Receipt Showing to Whom & Date Delivered	Restricted Delivery Fee	Special Delivery Fee	Certified Fee	Postage	P.O., State and ZIP Code	400
	₩.						45	19701	SUITE 525

Z 106 611 732



PS Form **3800**, March 1993

Receipt for **Certified Mail**

No Insurance Coverage Provided Do not use for International Mail (See Reverse)

(000 110 0100)	
Sent to MARATHON OIL	co
Street and No.	
P.O., State and ZIP Code	79702
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, March 1993

Energy, Minerals and Natural Resources Department State of New Mexico

Revised 1-1-89 Form C-116

P.O. Box 1980, Hobbs, NM 88240 DISTRICT

P.O. Box Drawer DD, Artesia, NM 88210 DISTRICT II

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Instructions: Uning gas-oil ratio test, each well shal be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in Signature I hereby certify that the adoption is true and complete to the best of my knowledge and belief.	D 18 225 38E 3/1095 N/A 142 24 5	LOCATION DATE CHOKE TBG. DAILY LENGTH WATER OF TEST SIZE PRESS ALLOW- HOURS BRIS	Address TYPE OF Scheduled Completion TEST - (X)	Operator Pool Country
structions: During gas-oil ratio test, each well shal be produced at a rate not exceeding the top unit allowable for the pool in ich well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in ler that the well can be assigned increased allowables when authorized by the Division. Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 deg. F.			TYPE OF TEST - (X)	inkard Abo,
ne pool in ant tolerance	N/A	CHOKE		South
' ਤੌਂ		TBG. PRESS	Scheduled	
I hereby complete Signatur				
certify that			C	
I hereby certify that the above is completed to the best of my kno signature Darrell J. Carriger	O C	WATER	ompletion	
information whedge and	38 38 38	GRAV. OIL		County
is true and Thelief.	23	OIL RBI S		
ief Engineering Assistant	8	GAS	Special	Eea
Ssistant	1904	GAS - OIL		

(See Rule 301, Rule 1116 & appropriate pool rules.)

DATE

Telephone No.

DeSoto/Nichols 10-93 ver 2.0

Submit 2 copies to Appropriate District Office

Energy, Minerals and Natural Resources Department State of New Mexico

Revised 1-1-89 Form C-116

DISTRICT

P.O. Box 1980, Hobbs, NM 88240 DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210 DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

		hereby control that the above information is true and	information	the above	v certify that	l hereb										
													<u> </u>			
																Drinkard Abo, South)
																well was recompleted to the Brunson
					_										,	Granite Wash formation before the
														-		(This was the last test in the Wantz
1038	27	26	37	4	24	187		· N/A	4	12/10/94	38E	8 22S	1 6	0	=	C. H. Lockhart NCT-1
:																
CU.FT/BBL.	M.C.F.	BBLS.	OL CRAV.	BBLS.	ABLE HOURS	ALLOW-	PRESS	SIZE	ST	OF TEST	70	1	S	c	NO F	LEASE NAME
GAS - OIL		ES	PROD. DU		LENGTH	DAILY	TBG.			DATE	4	LOCATION	ő		Á	
×	Special 🛛			ompletion			Scheduled		TYPE OF TEST - (X)	교기						Address P.O. BOX 730, HOBBS, NM 88240
	Lea	y	County						Wash	Pool Wantz Granite Wash	Pool Wan				ON INC.	Operator TEXACO EXPLORATION & PRODUCTION INC.
	i		ı													

Instructions:

During gas-oil ratio test, each well shal be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that the well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 deg. F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

DATE

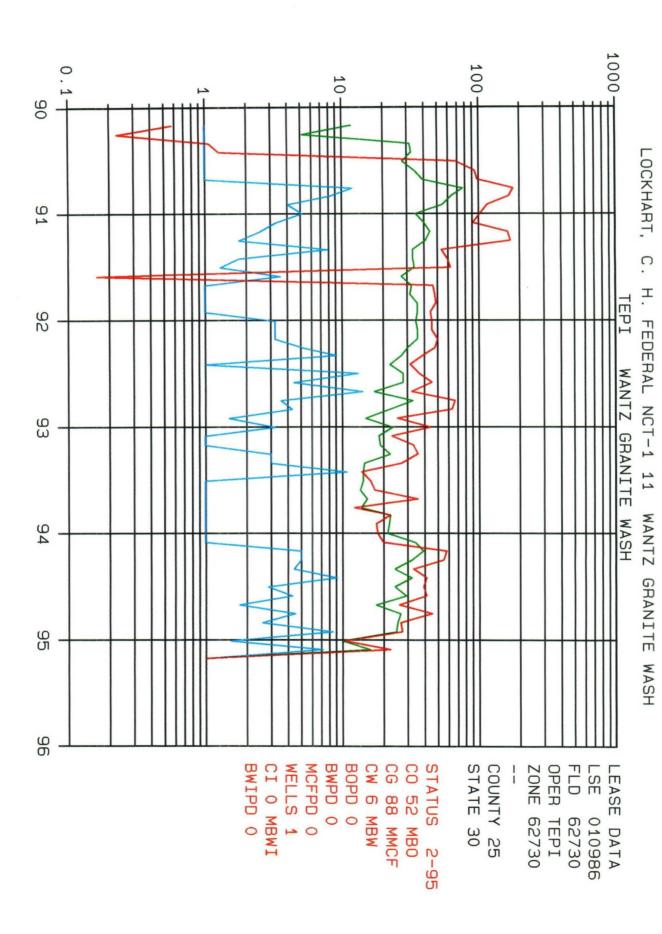
Telephone No. 397-0426

DeSoto/Nichols 10-93 ver 2.0

Assistant

4/19/95

Printed Name and Title	Darrell J. Carriger	Signature	I hereby certify that I complete to the best	
itte	ger Engineering		I hereby certify that the above information is true and complete to the best of my knowledge and belief.	



YEARS

C, H, LOCKHART NCT-1 #11



Legal location: UL D, Section 18, Township 22S, Range 38E

TubingInformation: 2-7/8" with seating nipple @ 6646'

Rods and Pump: 200' - 7/8", 2250' - 3/4", 2025' - 7/8", 1900' - 1" pump size - 2-1/2" x 1-1/2" x 24'

Pumping Unit: 640

5-1/2', 15.5# &17#, PRODUCTION CASING SET @ 7620'

11-3/4", 42# SURFACE CASING SET @ 1350'

2-7/8" tubing

SN @ 6646'

Well History

Original Completion into th Wantz Granite Wash 2/9/90:

Stimulated with 2000 gallons 15% NEFE IP: 33 BO, 35 MCF, 3 BW (24 Hours)

Fracture treated with 90000 gallons gel and 250000# 20/40 sand. IP: 162 BO, 59 MCF, 85 BW (24 Hours)

8/29/90:

BRUNSON DRINKARD ABO, SOUTH PERFORATED INTERVAL FROM

6699' - 5936'

Recompleted to Brunson Drinkard Abo, South zone. 12/19/94:

Acid treated with 2000 gallons 15% NEFE Fracture treated with 12000# 16/30 sand + 24528

Acid treated again with 5000 gallons 15% NEFE Fracture treated again with 20000# 12/20 sand

plus 31704 gallons 30# gel. IP: 21 BO, 40 MCF, 5 BW (24 Hours)

NOT TO SCALE XXXXXXXXX TD: 7618'

PERFORATED INTERVAL FROM

7456' - 7582'

WANTZ GRANITE WASH

CIBP SET 0 7200