

Submit 3 Copies to Appropriate Distinct Office

State of New Mexico Minerals and Natural Resources Departmen Enc

Form C-103 Revised 1-1-89

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

OIL CONSERVATION DIVISION P.O. Box 2088

WELL API NO.

30-025-03595

DISTRICTII	Cant	87504-2088	00 020 00000				
P.O. Drawer DD, Artesia, NA	M 88210	a i c, new mexico	87304-2088	S. Inducate Type of Lesse STATE FEE X			
DISTRICT III 1000 Rio Brazos Rd., Aztec,	NM 87410			6. State Oil & Gas Lesse No.			
(DO NOT USE THIS FOR	DRY NOTICES AND R RM FOR PROPOSALS TO D RENT RESERVOIR. USE "A (FORM C-101) FOR SUC	7. Lease Name or Unit Agreement Name					
1. Type of Well: OIL WELL	GAS WELL	Santa Fe Pacific					
	eor Developments,	Inc.		8. Well No.			
3. Address of Operator 511 16th St 4. Well Location	reet Denver	, Colorado 80	202	9. Pool name or Wildow Crossroads Devonion			
-	: 1650 Feet From	The South	Line and1650	Feet From The West La			
Section 23	Township	9-S Ra Elevation (Show whether		NMPM Lea County			
11.			Nature of Notice, Re	•			
	E OF INTENTION T	TO:	SUB	SEQUENT REPORT OF:			
PERFORM REMEDIAL WOF		ID ABANDON	REMEDIAL WORK	ALTERING CASING			
TEMPORARILY ABANDON	CHANGE	PLANS	COMMENCE DRILLING	OPNS. PLUG AND ABANDONMENT			
PULL OR ALTER CASING			CASING TEST AND CE	MENT JOB .			
OTHER:			OTHER:				
work) SEE RULE 1103.				g at well. Did not rig			
7		nt of high wind		g ut well. Bld not lig			
4-2	of 4 1/2" OI condition fr joint was ea hanger flang Clarke Well	o, 11.6#, N-80 rom scale and eaten in two froge and master service and te	, LT&C tubing. A external corrosic om external corro valveClosed_i	d laid down 62 joints All pipe was in bad on. Bottom of bottom osion. Installed tubing nywell and rigged down oned well. Top of depth.			
<u> </u>	1	A	,				
I hereby certify that the information	and providing true and complete to the	e best of rhyknowledge and	Agent	DATE 4-28-94			
TYPE OR PRINT NAME	N.M. Groesbeck			TELEPHONE NO.			
(Thus apace for State Use)		_	ODICINIAL CICAIED	BY IEDBY SEXTON			

TITLE .

APTROVED BY-

DISTRICT I SUPERVISOR DATE -

MAY 04 19

Submit 5 Copies
Appropriate District Office
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

DISTRICT II P.O. Drawer DD, Arlesia, NM \$4210 OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

REQUEST FOR ALLÓWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

I.		IO IR	ANS	PORT OF	L AND IN	TOHAL G					
Operator METEOD DEVE	I ODMEN	TC IN					V	Vell 1	API No.		
METEOR DEVE	LUPMEN	12, IN	٠								
511 16th St	reet,	Suite 4	400	Denver							
Resson(s) for Filing (Check proper box) New Well		Change is	. Tes	sporter of:		ner (Please exp	lain)				
Recompletion	Oil		Dry								
Change in Operator	Casinghe	ad Gas 🗀	• •	densate 🔲	Effect	ive Sept	ember:	٠1.	. 1991		
If change of operator give name and address of previous operator	deaux I	Petrol	eum	Co., 51	1 16th S					r, CO 8	0202
II. DESCRIPTION OF WELL	AND LE	ASE									
Santa Fe Pacific		Well No.	Pool	Name, Includ	ling Formation ds Silur	o Devoni	an s		of Lease Federal or Fe		esse No.
Location Unit Letter K	. 10	650	Foot	From The	¥ ,	e and	1650	E.	et From The	S	Line
	- :		_ rea	. 36 E		c au	Lea		et fiom the .		
Section 23 Townshi	9 9	<u> </u>	Rang	ge 30 E	, N	MPM,	Lea				County
III. DESIGNATION OF TRAN	SPORTE			ND NATU							
Name of Authorized Transporter of Oil N/A (Water Disposal In	le 11)	or Condex	hale		Address (Gr	n address to w	hich appr	owd	copy of this fo	orm is to be se	urij
Name of Authorized Transporter of Casing	chead Gas		or D	ry Gas 🗀	Address (Gir	e address to w	hich appr	owd	copy of this fo	orm is to be se	ent)
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp	. Rge.	is gas actuali	y connected?	W	/hen	7		
If this production is commingled with that	from any oth	er lease or	pool,	give comming	ling order num	ber:					
IV. COMPLETION DATA		Oil Well	-	Gas Well	New Well	Workover	Deepe		Plus Back	Same Res'v	Diff Res'v
Designate Type of Completion	- (X)	l wen		OZS WEII		WOLDIE	L	_	Ling Deck	Settle Kee A	L
Date Spudded	Date Com	pl. Ready to	Prod		Total Depth				P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of P	roducing Fo	omatic	og.	Top Oil/Gas	Pay			Tubing Dept	h	
Perforations	1				<u> </u>	·····			Depth Casing	Shoe	
									<u></u>		
NO E 0175					CEMENTI		<u>D</u>		-	ACVC CENT	ENT
HOLE SIZE	CAS	SING & TL	BING	SIZE		DEPTH SET			3	ACKS CEME	<u> </u>
V. TEST DATA AND REQUES	T FOR A	LLOWA	RI.F		<u> </u>						
OIL WELL (Test must be after re					be equal to or	exceed top allo	wable for	this	depih or be fi	or full 24 hour	3.)
Date First New Oil Run To Tank	Date of Tes	1			Producing Me	thod (Flow, pu	mp, gas li	jt, et	c.)		
Length of Test	Tubing Pres	LOUIR			Casing Pressu	re ·		\neg	Choke Size		
Actual Prod. During Test	Oil - Bbls.	!			Water - Bbis.			i	Gas- MCF		
GAS WELL				- <u></u>	<u> </u>						
Actual Prod. Test - MCF/D	Leagth of T	est			Bbls. Conden	ate/MMCF			Gravity of Co	ondensate	
Festing Method (pitot, back pr.)	Tubing Pres	Leure (Shut-	in)		Casing Pressu	re (Shut-in)			Choke Size		
		(-			[
VL OPERATOR CERTIFICA	TE OF	COMP	LIA	NCE		W OON	CED	. / A	TIONE		.N.1
I hereby certify that the rules and regular						IL CON	SEK	VĄ	LION	1,155 h	IN.
Division have been complied with and the is true and complete to the best of my kn			a abov	/e	li .			•		T DESCRIP	
6) 30	Du			ļ	Date	Approved					
Druce ///	alle	100	2		Rv (ORIGINAL 1	RGMED	ĐΥ	JERRY SEX	(TON	
BRUCE M. PATTERSON	ENGIN	EER &	0PE	RATIONS					ERVISOR	<u>-4 = 13</u>	
Printed Name 9/18/91		72-113			Title_						
Data			hone !	No.							
		:			U						

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

DISTRICT II P.O. Drawer DD, Antesia, NM 88210

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION

<u>I.</u>	TOTR	ANSPORT O	L AND NATURA	AL GAS			·	·
Operator BORDEAUX PETROLEUM CO)MPANY				Well A	.PI No.		
Address 333 W. HAMPDEN AVE. S	SUITE 604 ENG	CLEWOOD, CO	80110					
Reason(s) for Filing (Check proper box)			Other (Pleas	se explain)				
New Well		in Transporter of:						
Recompletion	Oil Casinghead Gas	Dry Gas	F 1 1	ective	3/1/	90		
If change of operator give name								
and address of previous operator NET	EOR DEVELOPM	ENTS, INC.	12842 VALLEY	VIEW #	104 G	ARDEN GR	ROVE, CA	A 92645
II. DESCRIPTION OF WELL	AND LEASE				S.W	.D.(SI)		
Lease Name	Well No.	}			1	(Lease	L	ease No.
Santa Fe Pacific	8	Crossroad	s Devonian		MUNICH	Pandarakon Fee		
Location Unit LetterK	:1650	_ Feet From The _	West Line and _	1650	Fee	et From The	South	Line
Section 23 Township	p 9S	Range 36E	, NMPM,	Lea				County
III. DESIGNATION OF TRAN	SPADTED AF C	NI AND NATT	IDAT CAS					
Name of Authorized Transporter of Oil	or Conde		Address (Give addres	s to which a	pproved (copy of this for	m is so be se	ni)
N/A (Water Disposal W	لب	I	-					
Name of Authorized Transporter of Casing		or Dry Gas	Address (Give addres	s to which a	oproved o	copy of this for	m is to be se	nt)
If well produces oil or liquids, give location of tanks.	Unit Sec.	Twp. Rge.	Is gas actually connec	ted?	When ?	?		
f this production is commingled with that f	from any other lease or	pool, give comming	ling order number:					
IV. COMPLETION DATA	Oil Well	Gas Well	New Well Works	was I De		Plug Back S	'anna Danka	loser Parke
Designate Type of Completion -	- (X)	i Cas well	I New Well WORK	ver De	epen	ring pack 12	ame Res v	Diff Res'v
Date Spudded	Date Compl. Ready to	o Prod.	Total Depth		······································	P.B.T.D.		-1
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing F	ormation	Top Oil/Gas Pay			Tubing Depth		
Perforations	L		<u></u>			Depth Casing	Shoe	
						- 		
			CEMENTING RE		 -			
HOLE SIZE	CASING & TI	UBING SIZE	DEPTH	ISET		SA	CKS CEME	ENT
	 		 					
							······································	
V. TEST DATA AND REQUES								
		of load oil and must	be equal to or exceed t				full 24 hour	rs.)
Date First New Oil Run To Tank	Date of Test		Producing Method (FI	ow, pump, go	zs lýt, etc	. .)		
Length of Test	Tubing Pressure		Casing Pressure			Choke Size		
	l doing i reaser							
Actual Prod. During Test	Oil - Bbls.		Water - Bbls.			Gas- MCF		
GAS WELL					1			
Actual Prod. Test - MCF/D	Length of Test		Bbls. Condensate/MM	CF		Gravity of Cor	densate	
						•		
esting Method (pitot, back pr.)	Tubing Pressure (Shu	l-in)	Casing Pressure (Shut-	-in)		Choke Size		
VI. OPERATOR CERTIFICA	ATE OF COME	PLIANCE	1					
I hereby certify that the rules and regula			OIL C	ONSE	RVA	TION D	IVISIO	N
Division have been complied with and the	that the information giv					M	AR 30	1000
is true and complete to the best of my to	nowledge and belief.		Date Appr	oved _				1330
Kours FM	1/1/1/200					Orig. Sig	med by	
Signature Signature	Colles		By					
Bruce M. Patterson, V	lice Presiden		g &			Geol	Oding	
Printed Name3/13/90	(202) 761	Tide Operati	ns Title					
3/13/90 Date	<u>(303) 761-</u> Tele	ephone No.						•
	at with the control of the decision by the control of the control of			Maria Cara Cara Cara Cara Cara Cara Cara				

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes. 5- 51-4 for each pool in multiply completed wells

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

96. 97 EPPIGO BEELIUED	_1
DISTRIBUTION	
SANTA FE	
FILE	
U.1.0.4.	\prod
LAND OFFICE	
TRANSPORTER OIL	
BAB	
OPERATOR	
PROBATION OFFICE	

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-78 Format 06-01-83 Page 1

REQUEST FOR ALLOWABLE AND

PROBATION OFFICE AUTHORIZATION TO TRANS	PORT OIL AND NATURAL GAS
I. Operator	
METEOR DEVELOPMENTS, INC.	•
Address	
· · · · · · · · · · · · · · · · · · ·	Grove, CA 92645
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well Change in Transporter of:	
	ondensure Effective Date 2-1-87
Mobil Producing Texas &	
and address of previous owner	2700, Houston, TX 77046
II. DESCRIPTION OF WELL AND LEASE	
Lease Name Well No. Dool Name including F	Tormation Kind of Lease Lease No.
Santa Fe Pacific 8 Devonian	State, Federal or Fee Fee
Location	
Unit Letter K : 1650 Feet From The West Lir	ne and 1650 Feet From The South
	ne-
Line of Section 23 Township 9S Range	36E , NMPM, Lea County
Name of Authorized Transporter of Oil or Condensate N/A (Water Disposal Well) Name of Authorized Transporter of Casinghead Gas or Dry Gas of Well produces oil or liquids, and of Unit of Sec. Twp. Rage.	Address (Give address to which approved copy of this form is to be sent) Address (Give address to which approved copy of this form is to be sent) Is gas actually connected? When
If this production is commingled with that from any other lesse or pool,	give commingling order number:
NOTE: Complete Parts IV and V on reverse side if necessary.	
VI. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISION
I hereby certify that the rules and regulations of the Oil Conservation Division have	APPROVED JUN 2 1987
been complied with and that the information given is true and complete to the best of	A ROVED
my knowledge and belief.	BY ORIGINAL SIGNED BY JERGY SEXTON
	TITLE DISTRICT I SUPERVISOR
/ // ma /	
Momas III Miner	This form is to be filed in compliance with MULE 1104.
(Signature)	If this is a request for allowable for a newly drilled or deepenet well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with AULE 111.
Vice President, Corporate Secretary (Tule)	All sections of this form must be filled out completely for allow able on new and recompleted wells.
February 2, 1987	Fill out only Sections I. II. III. and VI for changes of owner, well name or number, or transporter or other such change of condition
	Separate Forms C-104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO PNERGY AND MINERALS DEPARTMENT

		
	1	
DISTRIBUTION		
BANTA FE		
FILE		
U.S.Q.S.		
LAND OFFICE		
OPPRATOR		

OIL CONSERVATION DIVISION

Form C-103 -

BANTAFE	SANTA FE, NEW ME	XICO 87501	Revised 10-1-7
U.S.O.S.		5a. Indicate Type of State	Legse Fee X
OPERATOR		5. State Oti & Gas L	.eque No.
(00 not ust Tuis	SUNDRY NOTICES AND REPORTS ON WELL	O A DIFFERENT REBERVOIR. RYXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
•1.	other- SWD	7. Unit Agreement N	ame
2. Name of Operator	CCC	8. Farm or Lease No	zme
Mobil Produc	ng TX & NM Inc.	Santa Fe Pac	ific
3. Address of Operator		S. Well No.	'
9 Greenway P	aza, Suite 2700, Houston, TX 77046	8	
4. Location of Well		10. Field and Pool,	or Wildcan
MAIT LETTER K	1650 PEET PROM THE West	NE AND 1650 PEET PROM Crossroads -	Devonian
Ywe South	LINE, SECTION 23 TOWNSHIP 9-5	. RANGE 36-E NMPM.	
mmm			######
	15. Elevation (Show whether DF, R	T, GR, etc.)	
iinniinii.		lLea	71111111
	Check Appropriate Box To Indicate Nature	e of Notice, Report or Other Data	
NOT	ICE OF INTENTION TO:	SUBSEQUENT REPORT OF:	
			
PERFORM REMEDIAL WORK	PLUE AND ABANDON REM	EDIAL WORK	CASING
PULL OR ALTER CASING		MENCE DRILLING DONS. PLUG AND	ABANDONMENT [
PULL OR ALTER CASING	_	THER	f
0 74E#	mŀ ~		<u>L</u>
17. Describe Proposed or work) SEE RULE 160	Completed Operations (Clearly state all pertinent details, as b.	nd give pertinent dates, including estimated date of star	ting any proposed
8-26-86	MIRU Frontier WS.		
8-27-86	RIH w/SA on 237 jts 3½ tbg + 66 jt	s 4½ tbg.	`
9-02-86	Rin RIH w/tbg, pmp 20 BFW w/165 ga min-OK, witnessed by Jack Griffin-	l NL chem coat 1270, PT annul 600# NMOCD.	-30
9-03-86	Acd 12192-12400 w/6000 gal 15% NE 1200# formaldehyde flakes, RDMO, r	FE HCL acid + 1200# 100 mesh salt eturn to disposal.	+
9-15-86	Final Disposal Rate: 8896 BWPD; 20	O# TP; O# CP. Tst csg 500#-OK.	
•			

18. I hereby cer'ify that the information above to true and complete	te to the bee	t of my knowledge and belief.		
Many Lews	717LE	Authorized Agent	DATE_	9-18-86
ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR	TITLE	7	DATE	SEP 2 2 1986
CONDITIONS OF APPROVAL, IF ANY:				

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

	1	
DISTRIBUTION		
SANTA FE	\prod	
FILE		
U.S.Q.S.		
LAND OFFICE		
OPERATOR.		

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY _____DISTRICT | SUPERVISOR

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION P. O. BOX 2088

Form	C-1	03	
Revis	e d	10.	1 - 7

.... AUG 4 1986

SANTAPE		4	SANTA FE, I	NEM.M	EXICO 8750	1			• •
7168		4					5a. Indicate Ty	pe of Lease	
LAND OFFICE		-					State	F•• [\mathbf{x}
OPERATOR		j	•				5. Store Oti 6	Sas Lease No.	=
	SUMOE	NOTICE	S AND REPORTS	ON W	EI I C		mmm	mmm	77
(Be net ust	THIS FOR UNIT TON PRI	OPOSALS TO DR	ILL OR TO DECPEN OR I	LUE BACE	TO A DIFFERENT RE	# CRYOIR.]]
1. ##LL	##. 	97HER-	Salt Water	Dispo	sal		7. Unit Agreem	ent Name	
2. Name of Operator	ducing TV 0	NM Tro	•				8. Form or Lea		
3. Address of Operato	ducing TX &	NM THC.	·				9. Well No.	Pacific	
4		ite 2700,	Houston, TX	77046			9. West 140.	8	
4. Location of Well				-			10. Field and F	Pool, or Wildcan	
	_K16	550	ET FROM THE West	<u>t </u>	LINE AND 1650	PEET FRO	Crossr	oads - Devon	ia
THE South	LINE, SECTI	ou <u>23</u>	TOWHSHIP9-	-S	RAHER36-E	NMP			
mmm	mm		. Elevation (Show wh	esher DF	. RT. GR. etc.)		12. County	11/////////	4
			DF-4036			·	Lea		
16.	Check	Appropriat	e Box To Indica	te Nat	we of Notice,	Report or O	ther Data		
	NOTICE OF I	NOITNETP	TO:			SUBSEQUEN	IT REPORT OF	F;	
PERFORM REMEDIAL W	• ·		PLUS AND ABANDON		EMEDIAL WORK		ALT	ERING CABING	
TEMPORARILY ABANDO	• 📮			_ (OMMENCE DRILLING	o Pre 8	PLU	AND ABAHDONMENT	
PULL OR ALTER CASING	· 📙		CHANGE PLANS	□ •	ABING TEST AND CEN	ICHT 248	Repair tbg	leak	_
•THER					67#ER				Lx
17. Describe Propose		perations (Cle	arly state all pertiner	u details	, and give persinen	dates, includir	ig estimated date o	starting any prop)se
5-21-86	MIRU DA&S	WS							
5-22-86	POH W/tbg	, found h	nole 47 jts d	own.		•		·	
5-23-86	Cont POH	W/tbg, R:	IH W/seal .ass	y on 3	3 1/2" tbg.				•
5-24-86	RIH to 44	02, set 2	20M# compress	ion.					
5-25-86	Load B. S. RDMO DA&S	.W/90 bb WS, retu	1 2% KCL wtr urned well to	& Croi	nox 669 TA i osal status.	nhibitor,	press 500#	- OK,	
18. I hereby certify the	et the information	shove is true	and complete to the	n lo leec	knowledge and be	lief.			_
(An	11W 7	cur's		ß.	ا البيائير مطاهر		,	7 00 01	
*16#ED	1100	1174)	TITLE .	Al	uthorized Ag	ent	_ DATE	1-07-86	

ENERGY AND MINERALS DEPARTMENT	•
O. CONSERVATION DIVISION	Fa A 100
P. O. BOX 2088	Form C-103 Revised 10-1-
SANTA FE, NEW MEXICO 87501	
FILE	5a. Indicate Type of Lease
U.S.O.B.	State Fee X
OPERATOR	5, State Oil 6 Gas Lease No.
harmonia and the second and the seco	}
SUNDRY NOTICES AND DEPORTS ON WELLS	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DELPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" FORM C-101) FOR SUCH PROPOSALS.)	
1,	7. Unit Agreement Name
ornen. Salt Water Disposal	
2. Name of Operator	8. Form or Lease Name
Mobil Producing TX. & N.M. Inc.	Santa Fe Pacific
3. Address of Operator	9. Well No.
Nine Greenway Plaza, Suite 2700, Houston, Texas 77046	8
4. Location of Well	10. Field and Pool, or Wildcat
K 1650 West 1650	Crossroads Devonian
UNIT LETTER PEET FROM THE LINE AND FEET FROM	THIN THE THINK THE
South 23 9S 36E	
THE LINE, SECTION TOWNSHIP RANGE NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
4036 DF	Lea
Check Appropriate Box To Indicate Nature of Notice, Report or Ot	
NOTICE OF INTENTION TO: SUBSEQUEN'	T REPORT OF:
PERFORM REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DRILLING OPHS.	PLUS AND ABANDONMENT
PULL OR ALTER CASING CHANGE PLANS CASING TEST AND CEMENT JQB OTHERCOMMENCE_Salt_wa	ter disposal
OTHER COMMITTICE SATE WA	ter disposal x
NMOCD order SWD-2	260
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including	estimated date of starting any propose
work) SEE RULE 1103.	
•	
	•
Commenced salt water disposal 07/05/84.	
CINAL INSCRION TECT. In: 10 CEO DOLLARD TO TOU OR O	u.
FINAL INJECTION TEST: Inj. 12,650 BSW/PD, TP - 70#, CP - 0	Ŧ•
	•
18, I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
0 1 10 0 10 7	
Planto Paula (D. Collus) TITLE Authorized Agent	DATE 07/24/84
JUL 27 1984 ORIGINAL BILINED BY JEARY SEXTON DISTRICT I SUPERVISOR	uu o 7 100 <i>1</i>
DISTRICT I SUPERVISOR	JUL 27 1984
APPROVED BY	PATE

STATE UP NEW HILLIAM ENERGY AND MINERALS DEPARTMENT

99. 87 teelts acceives	1	
DISTRIBUTION		
BANTA PE		
FILE		
U.S.G.S.		
LAND OFFICE]	
CPERATOR		

C . CONSERVATION DIVISION P. O. BOX 2088

Form C-103 Revised 10-1-78

SANTA FE, NEW MEXICO 87501	
FILE	Sa. Indicate Type of Lease
U.S.O.B.	State Fee X
LAND OFFICE	5. State Oil & Gas Lease No.
CPERATOR	3. State Off & Gas Lease No.
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DILLE OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "PAPPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)	
1. OIL SAB OTHER- Shut-in	7. Unit Agreement Name
2. Name of Operator	8, Form or Lease Name
Mobil Producing TX. & N.M. Inc.	Santa Fe Pacific
Nine Greenway Plaza, Suite 2700, Houston, Texas 77046	9. Well No.
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER K 1650 FEET FROM THE West LINE AND 1650 PEET FROM	Crossroads Devonian
South LINE, SECTION 23 TOWNSHIP 95 RANGE 36E NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	Lea
Check Appropriate Box To Indicate Nature of Notice, Report or Oth	
	REPORT OF:
PERFORM REMEDIAL WORK	ALTERING CASING
TEMPORABILY ABANDON . COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING ENANGE PLANS CASING TEST AND CEMENT JQS	
OTHERDr	illed Deeper 💢
OTHER	
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including	estimated date of starting any propose
work) SER RULE 1703.	
12,400 TD, Devonian Perfs 12,176-12,181, OHZ 12,192-12,400.	
Casing Record: 13-3/8 @ 431, 8-5/8 @ 5000, 5-1/2L @ 4795-12,192.	
02/22/84 MIRU Permian WS Ut, NU BOP.	
02/23/84 WIH w/ 4-5/8" bit, 5-1/2 csg scpr on 2-7/8 tbg to 8148.	
02/24/84 Fin RIH w/ bit to 12,190, circ hole clean, POH w/ tbg, CS & b	: +
02/25- RIH w/ RBP + 5-1/2 Pkr on 2-7/8 tbg. set BP @ 12.125. press to	16.
	est by to 1000 psi/
	annulus from
12,125 to surface w/ 1000 psi/15 min/held OK, Ret BP.	
02/27/84 POH w/Pkr & BP, WIH w/ 4-5/8 bit, 20 - 3-1/2 cols on 2-7/8 tb	g to 12,100.
02/28/84 Tag fill @ 12,213, attempt to circ 600 bbls prod wtr, would no	ot fill, dry
drill 12,213 to Pkr @ 12,221, drill on Pkr. 02/29/84 Fin POH w/bit, leaving 2 cones in hole, ran mgt 2 jts 2-7/8 tl	ba on sd line.
2 runs, rec one cone & one pkr slip, WIH w/ 4-5/8 concave cone	e buster mill
03/01- Fin GIH w/ mill, continued to mill on junk/pkr.	•
06/84 03/07/84 Fin POH w/shoe, rec 3-1/2 ODx6" long form core, no metal, WIH 10 - 3-1/2 cols on 2-7/8 tbg, drl new 4-5/8" hole.	w/4-5/8 bit,
SEE REVERSE	
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
$(1)_{\alpha}$ Λ_{α} , Ω_{α} $(1)_{\alpha}$	
TITLE Authorized Agent	DATE 06/28/84
· ORIGINAL SIGNED BY JERRY SEXTON	
DISTRICT I SUPERVISOR	JUL - 5 1984
APPROVED BY TITLE	DATE OUL 0 1007

OIL CONSERVATION DIVISION DISTRICT 1

		•	-1010:	5
OIL CONSERVATION DIVISION	ON	DATE	3/8/8	<u> </u>
P. O. BOX 2088 SANTA FE, NEW NEXICO 879	501		posed MC	
	•		posed DHC posed NSL	
		Pro	posed NSP	
•			posed SWD · X	•
, .			posed PMX	
Gentlemen:				•
I have examined the appl	lication for the (•	•
I have examined the appl	- 1	1 1	7	11 113 11-21
	17).411. Jac. Da	intatita	Cefic # 8-	K 23-9-36
Operator	Lease and Well	No. Unit	∠S - I - R	
and my recommendations a	ire as follows:			
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Yours very truly,				
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/mc			•	•

March 1, 1983

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

Oil Conservation Division P.O. Box 2088 Santa Fe, New Mexico 87501

Attention Mr. J.D. Ramey

7.01
SALT WATER DISPOSAL WELL
MOBIL PRODUCING TX. & N.M. INC.
SANTA FE PACIFIC LEASE, WELL #8
CROSSROADS DEVONIAN POOL
LEA COUNTY. NM

Gentlemen:

Mobil Producing TX. & N.M. Inc. respectfully requests authorization to inject production water into the designated injection interval 4900'-12,400'. Our original authorization to inject fluid into this pool was granted under Case #7206, Order No. 6647, dated 4-13-81, please refer to this document for information required for Sections VI, VIII, X, and IX of this application. At this time, we desire to actually inject from 12,142'-12,400' while labeling a longer injection interval. This authorization would allow us to set a packer within 100' of the labeled injection zone at savings of approximately \$70,000 in tubing costs which would otherwise be incurred. In this application, we demonstrate that the fresh water aquifer, Ogallala, at $\pm 175'$ is protected; that the interest-holders of correlative rights are not violated and that no known loss of oil or gas reserves occur.

The Ogallala aquifer is protected by the well's construction, geology, and reservoir conditions. Mechanically, the Ogallala is isolated from the injection water and from the sources of contamination by these factors: (1) two strings of cemented casing surrounding the wellbore, (2) injection will be through 4½" tubing lined with plastic to a packer set at ±4900' and then through 5½" casing to the Devonian formation, 12,142'-12,400'.(see completion sketch), (3) required average pump pressures are ±50 PSI, virtually guaranteeing the fluid to go into the Devonian formation, and (4) leak detection and monitoring will be in accordance with New Mexico statewide rules governing saltwater disposal.

Mobil

Oil Conservation Division Page 2 March 1, 1983

These mechanical protective measures are complemented by existing geological and reservoir conditions. The geological and reservoir conditions permit the injection of large volumes of water at low pump in pressures which reduce chances of channeling or pressuring up another sand. The geology of the Devonian is carbonate rock with 8% porosity and 40 MD permeability. The Devonian reservoir is a highly prolific water drive. In summary, the well's completion, geology, and reservoir conditions grant adequate protection of the Ogallala aquifer.

The correlative rights of the mineral owner are not an issue because there are no known commercial oil or gas reserves nor any fresh water sands in this portion of the Crossroads Field below 4900'. This fact is supported by the current perimeter of temporarily abandoned or plugged wells and the list of active production wells cited in the State production schedule. However, interest-holders with correlative rights were notified in accordance with Statewide Rule 701.

In conclusion, I have examined the available geological and engineering data and do not find any evidence of open faults or any other hydrological connection between the disposal zone and any underground source of drinking water.

Yours truly, D.a. Mond

SDMarino/ec Attachments J.A. Morris
Regulatory Engineering Supervisor

cc: NMOCD District #1

OIL CONSERVATION DIVISION POST DEFICE BOX 2018

Revised 7-1-81

Title Regulatory Engineering Supervisor

March 1, 1983

		STATE LAND OFFICE BUILDING BANTA FE, NEW MEXICO 8/501
APPLIC	ATION FOR AU	HORIZATION TO INJECT
1.	Purpose: Applica	Secondary Recovery Pressure Maintenance X Disposal Storage ion qualifies for administrative approval? Storage
11.	Operator:	Mobil Producing TX. & N.M. Inc.
	Address:	Nine Greenway Plaza, Suite 2700, Houston, TX 77046
	Contact pa	ty: S.D. Marino Phone: 713 871-5351
111.	Well data:	Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
1V.		expansion of an existing project? X yes \square no e the Division order number authorizing the project $R-6647$.
٧.	injection	p that identifies all wells and leases within two miles of any proposed ell with a one-half mile radius circle drawn around each proposed injection circle identifies the well's area of review.
VI.	penetrate well's type	bulation of data on all wells of public record within the area of review which he proposed injection zone. Such data shall include a description of each , construction, date drilled, location, depth, record of completion, and of any plugged well illustrating all plugging detail.
.11V	Attach data	on the proposed operation, including:
	2. Whi 3. Pro 4. Soi 5. If	posed average and maximum daily rate and volume of fluids to be injected; ther the system is open or closed; posed average and maximum injection pressure; rees and an appropriate analysis of injection fluid and compatibility with he receiving formation if other than reinjected produced water; and injection is for disposal purposes into a zone not productive of oil or gas t or within one mile of the proposed well, attach a chemical analysis of he disposal zone formation water (may be measured or inferred from existing iterature, studies, nearby wells, etc.).
/1II.	detail, ged bottom of a total disso	opriate geological data on the injection zone including appropriate lithological name, thickness, and depth. Give the geologic name, and depth to ll underground sources of drinking water (aquifers containing waters with lved solids concentrations of 10,000 mg/l or less) overlying the proposed one as well as any such source known to be immediately underlying the nterval.
IX.	Describe th	e proposed stimulation program, if any.
x.		opriate logging and test data on the well. (If well logs have been filed vision they need not be resubmitted.)
XI.	available a	emical analysis of fresh water from two or more fresh water wells (if nd producing) within one mile of any injection or disposal well showing wells and dates samples were taken.
XII.	examined an	for disposal wells must make an affirmative statement that they have ailable geologic and engineering data and find no evidence of open faults r hydrologic connection between the disposal zone and any underground rinking water.
an.	Applicants	must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certificat	on ·
	I hereby co	rtify that the information submitted with this application is true and correct

of the earlier submittal. Hearing under Case #7206, Order Number R-6647, Dated 4-13-81

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division

Date: __

to the best of my knowledge and belief. J.A. Morris

m

Name:

district office.

Signature:

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; location by Section, Township, and Range; and foot ge location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical well; may submit a "typical data sheet" rather than submitting the data for each well.

- 8. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publicat on must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. D. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application, was mailed to them.

MAR 7 983 HOBES OFFICE

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	Producing TX. & N.M. I		a Fe Pacific		
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Tabulated Data of all Producing Wells on Public Record within Area of Review

Producing Wells

Operator - Mobil Producing TX. & N.M. Inc.

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* * *	12,192'- 12,231'	ă	* *	n Ar 18'-	*	12,190'	12,153'-	Devonian	* * * *	12,174'	12,129'-	Devonian		* * *	Interval	mple	
* *	1	an	*	San Andres 4818'-4899'	* * * * * *	٠.	ī	an	* *	-	ī	an.		*	a1	Completion	
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* 12			* 12		*	12				•				*		•	.a11
,192 * *	5000' 4795'-	481	4645"- 12,191"	380 ' 4815'	* * * * * *	4586'- 12,153'	4950	426	* * * * * * * * *	4757	4765	472		*	Set	Depth	
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12,192"			* *		*				* *:					*****			
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*	835 835	435	75	75)0	* * *	8	50	25		600	5	00		*	Record Sx	ant	
*			*		*				*					*	XS		

Attachment VIA.

Mobil Producing TX. & N.M. Inc. Santa Fe Pacific Lease, Well #8 Crossroads Devonian Pool Lea County, NM

Tabulated data of all plugged and abandoned wells on public record within area of review.

Operator - Sur	nray Mid Conti	inent Oil Company	
Well No.	Location	Date Drilled	Depth
1E	23-95-36E	8-6-56	12,250
Operator - 01	l Development	Company of Texas	
10	23-95-36E	7-5-57	12,2801

Sketch of Plugging Detail Found in Attachments

OIL DEVELOPMENT COMPRNY OF TEXAS SANTA FE PRIME RR = 23; MELL =/
CROSCROADS FIELD
LEA COUNTY, NEW MERICO
WHIT M- SEC 23-TWP 9-5-RGE 36E

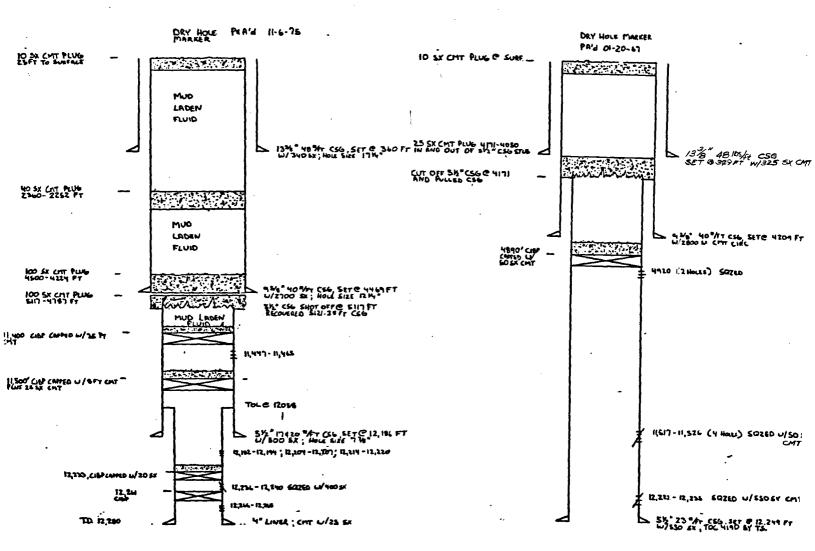
SUNKRY MID-CONTINENT OIL CO.

NEW MEXICO FEBERAL "D"; NELL "/

CROSSEDADS FIELD

LEA COUNTY, NEW MEXICO

UNIT E SEC. 25 TWA-95 RGE-34 E



Attachment VI B.

Mobil Producing TX. & N.M. Inc. Santa Fe Pacific Lease, Well #8 Crossroads Devonian Pool Lea County, NM

VII Proposed Operation Data

- 1. Average rate 17,000 BWPD Maximum rate - 20,000 BWPD
- 2. Closed System
- 3. Average Injection Pressure 25 psig Maximum Injection Pressure 100 psig
- 4. Produced Devonian Water (Water Analysis Attached)

IX Proposed Stimulation Program

- 1. Pressure Annulus to 500 psig
- 2. Hook up pump truck and pump 15,000 gal. NEFe stabilizer and 15% HCl
- Shut-in well overnight and backflow as necessary
 Place into operation

Mobil Producing TX. & N.M. Inc. Santa Fe Pacific Lease, Well #8 Crossroads Devonian Pool Lea County, NM

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O.BOX1499

HORBS, NEW MEXICO 88240

OMPANY: MOBIL

ATE: 2-8-83

IELD, LEASESWELL: EAST CROSSHOADS SANTA FE SWD

BAMPLING POINT: HOLDING TANK (Injection Water Sample)

DATE SAMPLED: 2-7-83

SPECIFIC CRAVITY = 1.044 FOTAL DISSOLVED SOLIDS = 65476 PH = 6.5

			ME/L	MG/L
CATIONS -				
CALCIUM MAGNESIUM SONIUM	(CA)+2 (MG)+2 (NA),CALC.		140 160 845.	2805. 1952 19438.
ANIONS				
BICARBONATE CARBONATE HYDROXIDE SULFATE CHLORIDES	(HCO3)-1 (CO3)-2 (OH)-1 (SO4)-2 (CL)-1		7 2 0 0 3 8 5 1 0 9 9	439. 0 0 1850 38991.
DISSOLVED GASI	5			
CARBON DIOXIDE HYDROGEN SULFIDE OXYGEN	(CO2) (H2S) (O2)		.03 .01 NOT RUN	1 . 5 . 2
IRON(TOTAL) BARIUM MANGANESE	(FE) (BA)+2 (MN)		NUR TON NUR TON	. 9
SCAL	ING INDEX	TEMP		
CARBONATE INDEX CALCIUM CARBONATE S	SCALING	110C 230F 2 56 LIKELY	76.6C 170F 1.26 LIKELY	82.2C 180F 1.47 LIKELY
SULFATE INDEX CALCIUM SULFATE SCA	ALING	-13. UNLIKELY	-13. UNLIKELY	UNLIKELY

March 1, 1983

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

Lovington Daily Leader 14 West Avenue B Lovington NM 88260

7.01
NOTICE OF APPLICATION FOR
SALT WATER DISPOSAL WELL
MOBIL PRODUCING TX. & N.M. INC
SANTA FE PACIFIC LEASE
WELL #8
CROSSROADS DEVONIAN POOL
LEA COUNTY, NM

Gentlemen:

Mobil Producing Texas and New Mexico Inc. (MPTM) requests publication of the attached notice, to inject salt water down the subject wellbore, in your newspaper.

We would appreciate if the completed affidavit and printed notice would be returned, as soon as possible, to fulfill a Oil Conservation Division permit prerequisite. We provide an addressed and stamped envelope for this purpose. The invoice should be sent to the attention of Mr. J.A. Morris.

Yours truly,

SDMarino/ec Attachments J.A. Morris
Regulatory Engineering Supervisor

cc: NMOCD - Santa Fe

MAR 7 198:

MOBBS OFFICE

Notice of Application for Fluid Injection Well Report

APPLICANT: Mobil Producing Texas & New Mexico Inc.,

9 Greenway Plaza, Suite 2700

Houston, TX 77046

Telephone: (713) 871-5351 Contact: Steve Marino

PURPOSE: To inject fluid into the Devonian Formation,

Santa Fe Pacific Lease, Crossroads Devonian Pool,

Well #8,

Location - Section 23, Township 9S, Range 36E

OPERATIONAL Formation - Devonian,

CHARACTERISTICS: Injection interval 4900'-12,400',

Expected maximum injection pressure 100 PSI

and rate 20,000 BWPD.

Interested parties may file objections or request a hearing within 15 days of this notice with the:

Oil Conservation Division P.O. Box 2088 Santa Fe, New Mexico 87501

Mobil Producing TX. & N.M. Inc. Santa Fe Pacific Lease Well #3 Crossroads Devonian Pool Lea County, NM

This application was sent by certified mail to the surface owner of the land on which the well is located and to each lease operator within $\binom{1}{2}$ one-half mile radius of the well location.

Offset Operators

Oil Development Company of Texas 900 Polk Street Amarillo, TX 79101

Elk 0il P.O. Box 310 Roswell, NM 88201

Sun Exploration and Production Company P.O. Box 1861 Midland, TX 79702

MGF P.O. Box 360 Midland, TX 79702

Surface Owner

Clarence Valern Lewis P.O. Box 987 Crossroad, NM 88141

March 1, 1983

NINE GREENWAY PLA:'A-SUITE 2700 HOUSTON, TEXAS 770-16

Oil Development Company of Texas 900 Polk Street Amarillo, TX 79101

7.01
NOTICE OF APPLICATION FOR
SALT WATER DISPOSAL WELL
MOBIL PRODUCING TX. & N.M. INC.
SANTA FE PACIFIC LEASE
WELL #8
CROSSROADS DEVONIAN POOL
LEA COUNTY, NM

Gentlemen:

Mobil Producing TX. & N.M. Inc. has made application to the Oil Conservation Division of New Mexico for authority to inject production water into a reservoir productive of oil or gas through the subject well.

A copy of this application is furnished to you for this information.

Yours truly,

SDMarino/ec Attachments J.A. Morris
Regulatory Engineering Supervisor

cc: NMOCD - Santa Fe

March 1, 1983

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

Elk 011 P.O. Box 310 Roswell, NM 88201

7.01
NOTICE OF APPLICATION FOR
SALT WATER DISPOSAL WELL
MOBIL PRODUCING TX. & N.M. INC.
SANTA FE PACIFIC LEASE
WELL #8
CROSSROADS DEVONIAN POOL
LEA COUNTY, NM

Gentlemen:

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A copy of this application is furnished to you for this information.

Yours truly,

SDMarino/ec Attachments

cc: NMOCD - Santa Fe

J.A. Morris

Regulatory Engineering Supervisor

March 1, 1983

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

Sun Exploration and Production Company P.O. Box 1861 Midland, TX 79702

7.01
NOTICE OF APPLICATION FOR
SALT WATER DISPOSAL WELL
MOBIL PRODUCING TX. & N.M. INC.
SANTA FE PACIFIC LEASE
WELL #8
CROSSROADS DEVONIAN POOL
LEA COUNTY, NM

Gentlemen:

Mobil Producing TX. & N.M. Inc. has made application to the Oil Conservation Division of New Mexico for authority to inject production water into a reservoir productive of oil or gas through the subject well.

A copy of this application is furnished to you for this information.

Yours truly,

SDMarino/ec Attachments

J.A. Morris
Regulatory Engineering Supervisor

cc: NMOCD - Santa Fe

March 1, 1983

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

MGF P.O. Box 360 Midland, TX 79702

7.01
NOTICE OF APPLICATION FOR
SALT WATER DISPOSAL WELL
MOBIL PRODUCING TX. & N.M. INC.
SANTA FE PACIFIC LEASE
WELL #8
CROSSROADS DEVONIAN POOL
LEA COUNTY, NM

Gentlemen:

Mobil Producing TX. & N.M. Inc. has made application to the Oil Conservation Division of New Mexico for authority to inject production water into a reservoir productive of oil or gas through the subject well.

A copy of this application is furnished to you for this information.

Yours truly,

SDMarino/ec Attachments

J.A. Morris
Regulatory Engineering Supervisor

cc: NMOCD - Santa Fe

March 1, 1983

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

Clarence Valern Lewis P.O. Box 987 Crossroad, NM 88141

7.01
NOTICE OF APPLICATION FOR
SALT WATER DISPOSAL WELL
MOBIL PRODUCING TX. & N.M. INC.
SANTA FE PACIFIC LEASE
WELL #8
CROSSROADS DEVONIAN POOL
LEA COUNTY, NM

Gentlemen:

Mobil Producing TX. & N.M. Inc. has made application to the Oil Conservation Division of New Mexico for authority to inject production water into a reservoir productive of oil or gas through the subject well.

A copy of this application is furnished to you for this information.

Yours truly,

SDMarino/ec Attachments

cc: NMOCD - Santa Fe

J.A. Morris

Regulatory Engineering Supervisor

MAR 7 1983 FICE 1983 HOURS OFFICE

March 2, 1983

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

County Clerk P.O. Box 1507 Lovington, New Mexico 88260

Attention Pat Snipes

7.01
NOTICE OF APPLICATION FOR SALT
WATER DISPOSAL WELL
MOBIL PRODUCING TX. & N.M. INC.
SANTA FE PACIFIC LEASE
WELL #8
CROSSROADS DEVONIAN POOL
LEA COUNTY, NEW MEXICO

Dear Pat Snipes:

Mobil Producing TX. & N.M. Inc. (MPTM) has made application to the Oil Conservation Division of New Mexico to inject fluid into a formation which could be productive of oil or gas.

The Oil Conservation Division requires that the enclosed application be sent to you for public information notice in the county in which the well is located. Please post the attached application as you desire.

Yours truly,

SDMarino/ec Attachments

cc: NMOCD - Santa Fe

J.A. Morris

Regulatory Engineering Supervisor

HO. OF COPIES REC	EIVEB	1	
DISTRIBUTIO	ON		
SANTA FE			
FILE			
u.s.g.s.			
LAND OFFICE			
IRANSPORTER			
TRANSFORTER			
OPERATOR			
PROPATION OF	ICE	1	

	SANTA FE FILE U.S.G.S.	REQUEST	CONSERVATION COMMISSION FOR ALLOWABLE AND ANSPORT OIL AND NATURAL	Form C-104 Supersedes Old C-104 and C-11 Effective 1-1-65				
	LAND OFFICE IRANSPORTER OIL GAS OPERATOR	AUTHORIZATION TO TR	ANSPURT OIL AND NATURAL	GAS				
1.	Operator Mobil Producing Texas	s & New Mexico Inc		· · · · · · · · · · · · · · · · · · ·				
	Address							
	Reason(s) for Isling (Check proper box		7046 Other (Please explain)					
	New Well Recompletion	Change in Transporter of: Oil Dry Go	To change Opera	ator name from Mobil Oil				
	Change in Ownership	Casinghead Gas Conde	nsque (Effective	Date: 1-1-1980)				
11	and address of previous owner DESCRIPTION OF WELL AND	I FACE						
	Lease Name Santa Fe Pacific	Well No. Pool Name, Including F						
	Location	8 Crossroads D	evonian State, Federa	d or F•• Fee				
		Feet From The West Lir		The South				
	Line of Section 23 To	wnship 9-S Range	36-Е , ммрм,	Lea County				
111.	DESIGNATION OF TRANSPOR	TER OF OIL AND NATURAL GA	AS Address (Give address to which appro-					
	J	-44		-				
	Mobil Pipe Line Compar Name of Authorized Transporter of Car	Å	P. O. Box 900 Da1 Address (Give address to which approx	ł				
	Warren Petroleum Compa	INV Unit Sec. Twp. Age.	P O Box 1589 Tu	lsa, Oklahoma 74102				
	give location of tanks.	M 23 9-S 36-E		ned				
	If this production is commingled win COMPLETION DATA	th that from any other lease or pool,	+					
	Designate Type of Completic	on — (X)	New Well Workover Deepen	Plug Back Same Restv. Diff. Restv.				
	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.				
	Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth				
	Perforations	 	<u> </u>	Depth Casing Shoe				
			CEMENTING RECORD					
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT				
	TEST DATA AND REQUEST FOOLL WELL	able for this de	fter recovery of total volume of load oil opth or be for full 24 hours) Producing Method (Flow, pump, gas life.)	and must be equal to or exceed top allow-				
	Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas ii)	i, eic./				
	Length of Test	Tubing Pressure	Casing Pressure	Choke Size				
	Actual Prod. During Test	Oil-Bhis.	Water - Bbis.	Gas - MCF				
•	GAS WELL							
	Actual Prod. Test-MCF/D	Length of Test	Bbis. Condensate/MMCF	Gravity of Condensate				
	Testing Method (pitos, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size				
VI.	CERTIFICATE OF COMPLIANCE	CE		TION COMMISSION				
,	I hereby certify that the rules and r	egulations of the Oil Conservation	APPROVED DEC	<u>5 1979</u> ,				
- 1	Commission have been complied washove is true and complete to the	ith and that the information given	Orig.					
			TITLEDist 1	Supv				
	<i>a</i>	, , ,		compliance with RULE 1104.				
-	Deely n	eujahr)		able for a newly drilled or deepened nied by a tabulation of the deviation				
_	Authorized	Agent	tests taken on the well in according to the form much sections of this form much sections and the form much sections are the sections and the sections are the sections and the sections are the section	at be filled out completely for allow-				
	(Tii October 31	·	able on new and recompleted we	lls.				
-	(De	te)	Fill out only Sections I. II. III, and VI for changes of owner, well name or number, or transporter, or other such change of condition. Separate Forms C-104 must be filed for each pool in multiply					

HO. OF COPIES REC	EIVED	1	
DISTRIBUTE	ON		
SANTA FE			
FILE			
U.\$.G.\$.			
LAND OFFICE			
IRANSPORTER	OIL		
TRANSFORTER	GAS	<u> </u>	
OPERATOR			
		7	

NEW MEXICO OIL CONSERVATION COMMISSION

	SANTA FE	REQUEST	FOR ALLOWABLE	Supersedes Old C-104 and C-110
	FILE	\	AND	Effective 1-1-65
	U.S.G.S.	AUTHORIZATION TO TRA	ANSPORT OIL AND NATURAL (SAS
	Oil	†		
	IRANSPORTER GAS	1		
	OPERATOR	1		
1.	PRORATION OFFICE	1		•
•	Operator			
	Mobil Producing Texas	& New Mexico Inc.		
	Address			
			7046	
	Reason(s) for filing (Check proper box)		Other (Please explain)	
	New Well	Change in Transporter of:		tor name from Mobil Oil
	Recompletion Change in Ownership	Oil Dry Ga Casinghead Gas Conden	E OCTPOTACION.	_
	Create in Owner supp_	Casinghead Gas Conden	(Effective	Date: 1-1-1980)
	If change of ownership give name			
	and address of previous owner			
11.	DESCRIPTION OF WELL AND	LEASE		
	Lease Name	Well No. Pool Name, Including Fo	ormation Kind of Lease	Lease No.
	Santa Fe Pacific	8 Crossroads De	evonian State, Federa	tor Fee Pee
	Location			
	Unit Letter K : 165	O Feet From The West Lin	e and 1650 Feet From 1	rheouth
		_		
	Line of Section 23 Tow	waship 9-S Ronge	36-E , NMPM,	.ea County
			_	
ш.	Name of Authorized Transporter of Oil	TER OF OIL AND NATURAL GA	Address (Give address to which approx	and compared to the form to the land of
	Mobil Pipe Line Compan Name of Authorized Transporter of Cas	Inghead Gas or Dry Gas	P. O. Box 900 Dal	las, Teras 75221
		- X	i •	
	Warren Petroleum Compa	Unit Sec. Twp. P.ge.	P. O. Box 1589 Till Is gas actually connected? Whe	lsa, Oklahoma 74102
	If well produces oil or liquids, give location of tanks.	M 23 9-S 36-E	!	med
		·	<u> </u>	ned
	COMPLETION DATA	th that from any other lease or pool,	give comminging order number:	
		Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v.
	Designate Type of Completio	n (A)		
	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
	Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Dep h
		<u> </u>		
	Perforations			Depth Casir q Shoe
		Timble Cathle Air	L AFTERITURA OFFICER	
	101 P 2172		CEMENTING RECORD	
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
		 	 	
		 	 	
		İ	}	<u> </u>
v.	TEST DATA AND REQUEST FO	OR ALLOWABLE (Test must be at	fter recovery of total valume of load oil	and must be equal to or exceed top allow-
• •	OIL WELL	able for this de	pth or be for full 24 hours)	
	Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump. gas lig	(s, etc.)
	Length of Test	Tubing Pressure	Casing Pressure	Chake Size
	Actual Prod. During Test	Oil - Bbie.	Water - Bbis.	Gge • MCF
	Retual Frod. During 1981	Git-Bbia.	70.01	
l			<u> </u>	
	GAS WELL		•	
1	Actual Prod. Test-MCF/D	Length of Test	Bbis. Condensate/MMCF	Gravity of Candensate
	Testing Method (pitot, back pr.)	Tubing Preseure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
}]	
VI.	I. CERTIFICATE OF COMPLIANCE OIL CONSERVAT		TION COMMISSION	
		!	ner.	5 1979
	I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature Authorized Agent (Title)		APPROVED UEU	<u> </u>
				Sexton
				Sup
			TITLE	
			This form is to be filed in	compliance with RULE 1104.
			If this is a convect for allow	while for a nearly drilled or deepened
•			well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111. All sections of this form must be filled ou completely for allowable on new and recompleted wells.	
	October 31		Fill out only Sections I. II. III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.	
				t be filed for each pool in multiply
		!	() nahatara totma estes mas	

NO. OF COPIES RECEIVED			Form C-103		
DISTRIBUTION		Supersedes Old C-102 and C-103			
SANTAFE	SANTA FE NEW MEXICO OIL CONSERVATION COMMISSION				
FILE					
U.S.G.S.			Sa. Indicate Type of Lease		
LAND OFFICE			State Fee XX		
OPERATOR			S. State Oil & Gas Lease No.		
SUNDR	Y NOTICES AND REPORTS ON WE POSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO FOR PERMIT -" (FORM C-101) FOR SUCH PRI	LLS TO A DIFFERENT RESERVOIR. OPOSALS.)			
OIL XX GAS WELL	OTHER-	*	7. Unit Agreement Name		
2. Name of Operator			8. Farm or Lease Name		
Mobil Oil Corporation 3. Address of Operator			Santa Fe Pacific 9. Well No.		
1	70701		0		
Box 633, Midland, Texa	5_/9/01		10. Field and Pool, or Wildcat		
UN'T SETTER K	1650 FEET FROM THE West	INE AND 1650 FEET FROM	Crossroads Devonian		
UN'I CETTER	FEET PROM THE	THE AND			
THE South LINE, SECTS	ON 23 TOWNSHIP 9-S	RANGE 36-E NMPM			
	15. Elevation (Show whether DF,	RT, GR, etc.)	12. County		
	4036	DF	Lea		
Check	Appropriate Box To Indicate Natu	re of Notice, Report or Ot	her Data		
NOTICE OF IN	ITENTION TO:	SUBSEQUEN'	T REPORT OF:		
PERFORM REMEDIAL WORK	PLUG AND ABANDON RE	MEDIAL WORK	ALTERING CASING		
TEMPORARILY ABANDON		MMENCE DRILLING OPNS.	PLUG AND ABANDONMENT		
PULL OR ALTER CASING	CHANGE PLANS CA	SING TEST AND CEMENT JOB			
_		OTHER			
OTHER					
17 Describe Described Or	perations (Clearly state all pertinent details,	and give portions dates, including	antimated data of starting and according		
work) SEE RULE 1503.	crational (Great) state are perferrent actano,	and gete portations dates, the tacking	commerce date of starting any proposed		
Temporarily abandon ef	fective 7-1-75.				
Hold for a salt water	disposal well for Crossroad	s Devonian Field.			
		,			
		_	1 1-1		
		Efficer	6/3/76		
		71			
_					
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.					
1.1 W.	1//				
SIGNED	WWW """	orized Agent	7-1-75		
() (Orig. Sig John R	med by	Geologia	A Drive and the second		
			· 新聞村 は 「ロノル		
JCOIC	gist TITLE		DATE 3 19/5		

	oads Devontan Ffeld.		Temporarily abandon effet to rater disc a rot biod				
besogoid ynn gaitting do stab besoimates	ils, and give pertinent dates, including	tions (Clearly state all pentinent deta	17. Describe Proposed or Co npleted Opera work) see Rule 1103.				
	язито		язнто				
PLUG AND ABANDONMENT	COMMENCE DRILLING OPNS.	CHANGE PLANS	TEMPORARILY ABANDON PULL OR ALTER CASING				
ALTERING CASING	BEWEDIYF MOBK	PLUG AND ABANDON	PERFORM REMEDIAL WORK				
	Check Appropriate Box To Indicate Mature of Motice, Report or Other Data NOTI 3E OF INTENTION TO: SUBSEQUENT REPORT OF:						
12. County	DE, RT, GR, etc.)	15, Elevation (Show whether I					
	39-E NWBW.	S-6 -41HENMO1 EZ	тне Зоцећ лие, з естіои				
10. Field and Pool, or Wildeat Crossroads Devontan	I PPO LEET CHOM	129W 3HT MORT T337 020	4. Location of Well UNIT LETTER				
9. Weil No. 8		10262	3. Address of Operator Box 633, Midlan 1, Texas				
8, Form or Lease Name Santa Fe Pacific			2. Name of Operator Mobil Off Corpo-ation				
7, Unit Agreement Name		-A3HTO	METT XX ME TE				
	WELLS CK TO A DIFFERENT RESERVOIR.	VOTICES AND REPORTS ON "	SUNDRY (DO NOT USE THIS OM FOR PROPOSE OF STREET ST				
5, State Oth & Gas Lease No.			ОРЕВАТОЯ				
State Fee XX			LAND OFFICE				
Sa. Indicate Type of Lease	<u> </u>		.8.0.8.0				
Eifective 1-1-65	NEW MEXICO OIL CONSERVATION COMMISSION		SANTA FE				
C-105 and C-103			NOITUBIRTZIG				
Form C-103			NO. OF COPIES RECEIVED				

TITLE Authorized Agent 94-L-4 18. I hereby certify that the intormation above is true and complete to the best of my knowledge and belief.

Process

nayan Auayan Vd bengis . 8r O

.9	IF T PECEIVED				Form C - ton
DISTRI	BUTION				Superse let Old G-102 and G-103
SANTA FE		N1	EM MEXICO OIL CON	SERVATION COMMISSION	Effective 1-1-65
FILE					
11 "					State State Type of Lease
OPERATOR					5, State Oil & Gas Loase Ho.
OT ETTAT OF	<u>`</u>				
(DO N	SI OT VOE THIS FURM ! USE "AP	INDRY NOTICES	AND REPORTS ON L. OR TO DEEPEN OR THUS	I WELLS HACK TO A DIFFERENT ARBERVOIR. CH PROPOSALS.)	
OF X		OTHER.			7. Unit Agreement Name
2. Name of Cr					es. Farm or Lease Nume
ROO1	.1 Oil Corpo:	ration			Santa Fe Pacific
		Midland, Texa	s 79701		8
4, Location o		Treature 1 CAL	3 17/01		10, Field and Pool, or Wildreit
	K	1650	West		Grasaroads Devember 1
(1911 521					THE THE PROPERTY OF THE STATE O
SO	outh LINE.	, SECTION 23	TOWNSHIP 90	S DANGE 36E	- HMPM.
		15.	Elevation (Show whethe	- DF, RT, GR, etc.) 361 - AF	12. County Lea
16.	Ch	eck Appropriate	Box To Indicate	Nature of Notice, Report	or Other Data
		OF INTENTION			QUENT REPORT OF:
	L				WY -
PERFORM REM	MEDIAL WORK		PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPOPARILY	<u> </u>			COMMENCE ORILLING OPNS.	PLUG AND ABANDONMENT
PUL OR ALTE	ER CASING		CHANGE PLANS	CASING TEST AND CEMENT JOB	
OTHER				0.41.5	
	& cog leak & Mobil Intr Mobil Intr 12,231 THE Rabe MAR ADMI SAUTA ET PAC	repair, trea 100% - Est C D, Dev (12,17 er Well Serv les of 2-7/8 CIFIC #8, 12,	t well to improst 08100. 6-181) OH (12.) DD Unit, bled ; tbg & SD for n 231 TD.	press off well, instite.	.'l BOP, pulled
10/6	set IV C	12,135, teste	check for esg	Hoveo ret BP & RTIG 30 min/ok, displ oi lenk.	per on tog, l u/ wtr.
10/7	Tested 5 up on 8-	-5/8 csg, leab	12,125 back to	4950 w/ 3000#/ok, urface csg, pulled ck for leak.	no leak, press tbg & pkr, SD for
10/9	to 2000) attempto esg off	f, found leak of to weld espond repair.	in 8-5/8 esg i ; to fix leak,	ool, ran RTTS pkr, n slip area, remove weld would not hold	BOP's & spool,
ir, Thereby o	ertify that the infor	rmation above is true	and complet∘ to the best	of my knowledge and bellef.	
STEWER	xact Jax		TITLE	Authorized Agent	DATE 1-15-68
		- (5			
		-	5 to 1		√ F = 1
TINBUALD WA			71TLE		DATE
" PROLETIONS	OF APPROVAGE	IF ANY:			

SAIREN FE PACIFIC #8, 12,231 TD. Cut orc 5" 8-5/8' sg & old welding ring, welded or new piece csg & 10, 10 new ring, inst'l LOF's, tested esg v/ 1500#/30 min k. Howco then sa 10x of cement between 8-5/8 & 13-3/8 con. Job compl @ 3:00 p.m. 10/9/67, Ron 110 stands of the w/ ret head in hole. SD for nite. SANTA FE PACIFIC #8, 12,231 TD. 10/11 Finish running ret head to 12,125, ret PP, pulled the & BP, rerun the w/ KTT3 pkr to 12,125. SD for mite. Timp in treat Deventure. SAMEA FE PACIFIC #8, 12,231 TD. Finish running ret head to 12.125, ret BP, pulled the & BP, rerun the 10/12 w/ KTT3 pkr to 12,125. SD for nite. Prep to treat Devonian. SAUTA FE PACIFIC #8, 12,231 TD, Dev (12,176-181) OH zone (12,192-231). 10/13 5 5 RNO + 200 BLW/11 hra, 10,000' FIH, 8 18 NW w/ trace oil L hr. SD for night. SAMTA FE PACIFIC #8, 12,231 TD. P 30 BNO + 420 BGW/24 hrs, estimated - unable to test. 10/18 SANTA FE FACIFIC #8, 12,231 Th (17,174-181), OH zone (12,192-231) 10/14 Pulled the & RTTS pkr, run Baker Lockach pkr & Sargent, hydraulle pump on 377 Jts 2-3/8 N80 thg, thm @ 11,810, Daker 5} Lookaet pkr w/ on & off scaling connection 0 11,796, Surgent h" x 3-5/16 x 26 hydraulic pump, 11,757-792, Sargent circ valve @ 11,716, Removed BOP & installed wellhead. SD for night. 10/16 Started pump, rel Baber Well Serv unit 9:30 a.m. 10/14/67. Rel to frod Foreman. SANTA FE PACIFIC #8, 12,231 TD, Dev (12,175-181), OH zone (12,192-231). Est progin; test: P 8 BHO + 220 BUM/12 hrs. 10/17 SANTA P. MOTPIC #8, 12,231 TD. 10/19 P 72 BNO + 408 BSW/24 hrs - actual test. SANTA FE PACIFIC #8, 12,231 TD. 10/20 P 40 BNO + 612 BSW/24 hrs - actual test. To pump for approx one week and retest. SANTA FE PACIFIC (8, 12,231 TD. Pumped 934 BW per day - will retest w/ large Kobe plungers. 10/30 SANTA FE PACIFIC #8, 12,231 TD. Testing. 10/31 SANTA FE PACIFIC #8, 12,231 TD. 11/1Testing. SANTA FE PACIFIC #8, 12,231 TO. Testing. 11/2 SANTA FE PACIFIC 招, 12,231 TD. Pump 3 rate of no oil + 74 BJW per hr. 11/3/67 Drop from report - Prep to investigate Reda pump. GANTA FE PACIFIC #8, 12,231 TD. Reda pump installed Dec 8, 1967 - testing. 12/19 SAHUA FE PACIFIC #8, 12,231 TD. Testing. 1.2/20 SAMPA FE PACIFIC #8, 12,231 TD. Testing - DROP from rpt until 12/27/67. 15/51 BANNA FE PACIFIC #8, 12.231 TD. 12/27/67 P 91 BNO + 2496 BW W/ Reda Pump/ 24 hrs. Fluid level at 2380'.

FINAL REPORT.

	•		
NO. OF COPIES RECEIVED DISTRIBUTION SANTA FE FILE	NEW MEXICO OIL CONSE		Term C-160 Supersedas Old C-102 and C-163 Elicotive 1-1-68
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SUNDRY SUNDRY OF THIS FORM I'VE PROTECTION OF THE SUNDRY S	NOTICES AND REPORTS ON W	/ZLLS N YO'R DIFFERENT ALUCAVOIR.	
WILL THE WELL TO	OTHER-		7. of Algreement Name
g. Name of Operator			U. P. min of L. L. D. ime
Mobil Cil Corporati	lon		22.2 3
15, Augreus or Operator			J. 1604. 1.0.
P. O. Box 633, Mid.	land, Texas 79701		J
4. Location of Well			(10, Men dia non or Wilde d
ONIT LETTER K 168	O PEET PHOM THE	_ LINE AND FEET FAC	OM
THE South LINE, SECTION	23 township 95	84NGE 353NMPI	
	15. Elevation (Show whether D DF 400		12. Sounty
Check A	ppropriate Box To Indicate Na TENTION TO:		klier Data NT REPORT OF:

17. Leading Aroposed of Completed Sperations (Clearly state all pertinent details, and give pertinent dates, including estimated date of marring any proposed work) SEE RULE 1903.

Check for casing leak @ appro. 11,000' - Repair and treat well to improve production.

. I hereby certaly that the information above is true and	complete to the best of	f my knowledge und belief.		
Jackson	*:"L2	Authomized Agent	BAYE	0-0-37
27-1/20 BY	`TIYLE	· · · · · · · · · · · · · · · · · · ·	DATE	<u> </u>
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HEW MEXICO OIL CONSERVATION COMMISSION HOBBS OFFICE O. C. C.

FORM C-103 (Rev 3-55)

TRANSPORTER PRORATION OFF	OIL GAS		ISCELLAN		M	ORTS OF	M MI	ELLS.	106)	
ame of Comp				Addre	ss	Walaba N				
Lease anta Fe F		Wel	l No. Unit	Letter K		Hobbs, Nownship 9 S			lange	36 E
Date Work Per L/21 thru	formed 3/4/64	Pooi Crossroads	Devonian			County Les				
		THIS IS A I	REPORT OF:	(Check	approprie	ite block)				
Beginnin	g Drilling Operation	s Casing	g Test and Cen	ent Job	• ,	Other (E	xplair	1):	_	
Plugging	·	X Remed								
oved in & rigged up Bateman & Whitsit Unit. Pulled 2" tbg. & pump. PGAC attempted to run orr. lcg, stopped @ 12,144'. Ran 4 3/4" bit on two $3\frac{1}{2}$ " DC & csg. scraper to 12,087'. Clean ut 12,132-12,144'. Pulled DC & bit, left two cones in hole. Ran 2 3/8" tbg. w/l jt. 4" FJ ash pipe & $4\frac{1}{2}$ " x 2 15/16" shoe. Washed over fish 12,144-12,162'. Pulled tbg. & wash pipe. ec. 16' Axelson pump. Ran 4 1/8" Bowen OS, 2 3/4" Grapple on $4 - 3\frac{1}{2}$ " DC to top of fish @ 2,162', could not catch. Ran 4" Imp blk., no picture. Ran $4\frac{1}{2}$ " x 3 3/4" ID Clusterite shoe, jt. WP, $4\frac{1}{2}$ " T-dog OS, 4 DC, washed 12,162-12,186. Pulled WP & rec. 1 jt. $2\frac{1}{2}$ " tbg., $2\frac{1}{2}$ " tbg. erf. nipple & pump seating shoe. Ran wash pipe, washed over fish 12,186-12,216'. Pulled WP. an 4 11/16" OS w/ 3 5/8" Grapple, caught fish @ 12,186'. Jarred on fish $2\frac{1}{2}$ hrs. Rec. 3 5/8" D x 22' Axelson pump, standing valve, 3' perf. nipple. Ran 4 3/4" bit, $4-3\frac{1}{2}$ " DC & cleaned ut 12,219-12,231'. Pulled bit to 12,190', HOWCo. acidized open hole 12,192-12,231' w/1500 als. 15% NE Acid. TP 4000-2700#. Rate 2.6 BPM. ISIP 2300#. SI 14 hrs. TP Vac. Pulled bg. & bit. Ran 2" tbg. to 11,427', tbg. perfs. 11,424-11,427', Guib. I-30 pkr. @ 11,392', argent pump 11,357-11,388', Kobe check valve 11,320', circ. sub. 11,290'. Released Eateman Whitsit Unit 2/7/64. Pumped 428 BIO + 193 BNO + 36 BAW + 1722 BIW + 2489 PSW in 256 hrs Continued on page #2 -										
Witnessed by	. D CI	i i	Position			Company				_
	. R. Short		Drilling F					1 011 0	omp	any, Inc.
		FILL IN BELOW	ORIGINAL			EPUKISON	LI			
D F Elev.	TD		PBTD			Producing	Interv	al	Con	apletion Date
4036	t	12,231'		_		12,192				1/10/57
Tubing Diamer	et	Tubing Depth			ng Diame			Oil String 1	Depti	
Perforated Int	erval(s)									
Open Hole Inte	rvel			Produci	ing Forme	tion(s)				
12,19	2 - 12,231'				Devoni	ian				
			RESULTS OF	WOR	KOVER					
Test	Date of Test	Oil Production BPD	Gas Produc			roduction PD	Cub	GOR ic feet/Bb	ì	Gas Well Potential MCFPD
Before Workover	1/2/64	90	TS	TM		365		TSTM		
After Workover	3/1/64	129	TS	MT		528		TSTM		-
	· · · · · · · · · · · · · · · · · · ·	TION COMMISSION			eby certif				bove	is true and complete
Approved by	1			Name	D.	1 mc	//	anil		
Citie C.				Positi	,,,	ervisor				
Date				Сопр	any	bil 011	Com	any. In	ic.	

Socony Mobil Oil Company, Inc. Santa Fe Facific #8
Unit K, Sec. 23, T-9S
R-36E, Lea County,
Crossroads Devonian

. . .

Rigged up Lehman Well Service Unit. Pulled tbg. & pkr. PGAC ran GR Collar log 11,665-12,230', found bottom of $5\frac{1}{2}$ " liner @ 12,186', perf. $5\frac{1}{2}$ " liner 12,176-12,181 w/l JSPF. Set Baker Model "D" pkr. w/exp. plug @ 12,183'. Ran 2" tbg. to 12,172' w/pkr. @ 12,141', SN 12,133'. Swab 7 BLO + 33 BLW in 6 hrs. Swab dry 2 hrs. Chemical Engr. Co. attempted to acidize w/1000 gals 20% NE Acid. Let soak 24 hrs. Swab 29 BLO + 21 BLW in 3 hrs. Pulled tbg., left 148 jts. tbg. & pkr. in hole. Ran 4 5/8" 05 + 3 1/16" grapple, caught fish, fish parted while pulling. Rec. 2 jts. tbg. Caught & rec. all of fish. Ran 2 3/8" tbg. to 12,176' SN 12,175', Pkr. @ 11,641'. Swab 48 BLO + 38 BSW in 5 hrs. Pulled tbg. & pkr. Ran 2 3/8" tbg. & set in Model "D" pkr. @ 12,183' & set pkr. @ 11,641'. Chemical Engr. acidized perfs. 12,176-12,181' w/1000 gals 20% NE Acid. Trt. pr. 2800-2300#. Rate 2 BPM. Pulled tbg. & pkr. Ran 2 3/8" tbg. w/Cuib. pkr., sargent pump, knocked out plug in Model "D" pkr. @ 12,183', set pkr. @ 11,977'. Pumped 50 BLO + 22 BNO + 24 BAW + 1038 BSW in 42 hrs. On NMOCC potential test pumped 129 BNO + 528 BSW in 24 hrs. 19 - 49" SPM. GOR TSTM, Gty. 44.2 @ 60°. Completed 3/1/64.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

ned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission ent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See addi-

l instructions in the Rules	and Regulati	ons of the Commission.					
		Indicate Nature of	Notice by Che	king Belo	w		
ice of Intention Change Plans		Notice of Intentio Temporarily Abani			Notice of Intention to Drill Deeper		
TICE OF INTENTION PLUG WELL		Notice of Intentio	N		Notice of Intention to Set Liner		
otice of Intention Squeeze		Notice of Intentio)N	x	Notice of Intention to Shoot (Nitro)		
otice of Intention OGUN Perforate	x	Notice of Intentio	М		Notice of Intention (Other)		
OIL CONSERVATION COM	MISSION	Hobbs, Wew	Verdoo		Jamuary 20	, 1964	
ANTA FE, NEW MEXICO		•••••	(Place)	••••••	(D	ate)	•••••
entlemen:							
Following is a Notice of In	tention to do	certain work as descri	ibed below at t	he	***************************************		************
ocony Mobil Oil Com	cany, Inc	. Santa	Fe Pacific	3	Well No.	. K	
NE SW (Compa	iny or Operator	9 \$	36 B		Crossroads Dev	onian	(Unit)
	Sec	, T	, R	,NMPM.,	•••••••••••••••••••••••••••••••••••••••	••••••	Po
TD: 12,231 Csg: 8 5/8 2 4 Perfs: Open hole Propose to move 11,600 - 12,231 CR-I open hole 1 plux. Remove fi acidize perfs. 1 to production fr	in and miles for the second se	2 - 12,231' rig up unit. P $5\frac{1}{2}$ " liner 12, $10/29/57$). 3 alve in $5\frac{1}{2}$ " line 12,186' w/1000	ull tubing 176 - 12,1 et Baker er 3 12,18 gals 201	g 2.pum LE6 w/. Codel D 28'. Ri "YE Acid	o. Fun TR Colla 1 JSFF (Schlumbe pkr. w/expendab in 2" thg. w/tkr 1. Swab test.	rger le and	
pprovedxcept as follows:	<i>3.</i>	, 19	Ву	roup S	Oil Company, In Company or Operator Majoral Sor Communications regarding	1	

Tide

Box 1800, Hobbs, New Mexico

SANTA FE FILE U.S.C.S. LAND OPPICE TRANSPORTER GAS PRORATION OFFICE OPERATOR		CERTIFI	CATE	SANT OF CO	TA FE, N	NCE	TION CON JSION SEXICO AND AUTHORIZAT NATURAL GAS		ORM C-110 (Rev. 7-60)
Company or Operator		FILE THE O	RIGINAL	AND 4 C	OPIES WI	TH TH	Lease	<u> </u>	Well No.
Socony Mobil C	il Com:	- •		-			Santa We Pac		\$ S
Unit Letter	Section ?3	Township 98		Range	3 6E		County I en		
Pool Crossrouls	Devonia	ın		·············			Kind of Lease (State, Fed.Fe	e)	
If well produc	es oil or concation of tank		Unit Let		Se	ection 23	Township	Range	
Authorized transporter of		 _			Address (95 Idress to which approved copy o	f this form	is to be sent)
Magrolia Fipe					I ox (30 0 ,	Dallas al, Marra		
		Is Gas Ad	tually (Connecte	 		No		
Authorized transporter of	casing head	gas or dry gas	Date	e Con- ted	Address (give ad	ldress to which approved copy o	f this form	is to be sent)
If gas is not being sold, g	rive reasons	and also explain its	present di	sposition:	1			·	
	New Well Change in Ti	REASO ansporter (check one Dry ad gas Conc	······· e) Gas · · · ·			in Own			
ei igctive	January	to charge le 1, 1963. Santa Fe Pac				.ઘાદી હ	r lar purpose of co	ma oll å:	etion
The undersigned certifi	es that the	Rules and Regula	tions of t	he Oil Co	n servation	n Comn	nission have been complied	with.	·
	Executed	this the 28th	_ day of _		Januar	У	, <u>53</u> .		
Approved by	ONSERVA	TION COMMISSION			Title Group Company	Sulje	Modernel		
/					Socong	Mol.	il Gil Company, Inc		

Address

Box 2406, Hobbs, New Mexico

Date

HEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103 (Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS HOBBS OFFICE OCC

(Submit to ap	propriate Distric	t Office os	per Com	mission Agh	YAGG A	AM 9 2 45	
						9 43	
Company, Inc.						exico	
n 13)			R	ange 36+E	
		K	1 43			30*6	
	wanda		1	•	las		
		OF: (Check	4000000		nea		
					lain)		
	_	, Cement Job	i	Other (Exp			
				:1			
), Rate 2.5 BPM. 9 brs., TP 1600 491-6521', tbg p	Immediate -0, CP 1500- erfs 6491-95	SITP 3000 1500. Po , hold do	own @	2000, 5 mi tbg & pkr. 6491', sea	n SITP 160 Ran 2½"	0, CP 1500. tbg to	
						pany, Inc.	
FILL IN				EPORTS ONL	<u>Y</u>		
TED			MIA	I Dandunia e In		Completion Date	
	FBID	**		· · · · · · · · · · · · · · · · · · ·			
	h		g Diame				
11,926'		54"			12,192]	
92-231			Producing Formation(s) Devonian				
	RESULT	S OF WORK	OVER				
					GOR Cubic feet/Bbl	Gas Well Potential MCFPD	
50	••		340		TSTM	. ••	
60 79	•		521		TSTM	••	
DISERVATION COMMIS	SSION					bove is true and complete	
Furlay		Name		216	emelo		
Con Y		Positi			.0.		
Enaine	eer District 1	į	D1	strict Su	erintender	it	
	Company, Inc. Pool Gross TH Operations L done, nature and quar of tbg. Ran 24 0 gals 15%, bres 0, Rate 2.5 BPM. 9 hrs., TP 1600 491-6521', tbg p Pumped 99 BLO TD 12,231 Tubing Dept 11,926' 20 of Oil Produ st BPD ONSERVATION COMMIST 50 ONSERVATION COMMIST	Company, Inc. Company Company, Inc. Company Company, Inc. Veil No. Unit Letter Section 23	Company, Inc. Vell No. Unit Letter Section Township	Position Para Para Position Para P			

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

	Indicate Nature	of Notice by Check	dng Below	·	
Notice of Intention of Change Plans	Notice of Inten Temporarily Ab			Notice of Intention to Drill Deeper	
Notice of Intention to Plug Well	Notice of Inten to Plug Back	TION		Notice of Intention to Set Liner	
lotice of Intention o Squeeze	Notice of Inten to Acidize	TION	x	Notice of Intention to Shoot (Nitro)	
Notice of Intention o Gun Perforate	Notice of Inten (Other)	TION		Notice of Intention (Other)	
OIL CONSERVATION COMM	ISSION Hobbs. Ne	w Mexico		June 7. 1	1960
SANTA FE, NEW MEXICO		(Place)	•••••••	June 7, 1	
Gentlemen:					
entemen.					
Following is a Notice of Inte	ention to do certain work as de	scribed below at the	.		
Socony Mobil Oil Con	mpany, Inc. Sant	a Pe Pac. "E	it T	Vall No. 2	-M
SW 1/4 SW 1/4 of Se (40-acre Subdivision)	y or Operator) 23 , T 9 8				
		DD ODOCED DI	ANOF	WORK	
TD: 12,231°	FULL DETAILS OF (FOLLOW INSTRUCTIONS	IN THE RULES	AND RE	GULATIONS)	
TD: 12,231°		IN THE RULES	AND RE	GULATIONS)	ormation
TD: 12,231° Propose to pull rod	(FOLLOW INSTRUCTIONS and tbg. Set Guibe	IN THE RULES	AND REG	GULATIONS) ,050° and acidize for	ormation
TD: 12,231° Propose to pull rod	(FOLLOW INSTRUCTIONS	IN THE RULES	AND REG	GULATIONS) ,050° and acidize for	ormation
TD: 12,231° Propose to pull rod	(FOLLOW INSTRUCTIONS and tbg. Set Guibe	IN THE RULES	AND REG	GULATIONS) ,050° and acidize for	ormation
TD: 12,231° Propose to pull rod	(FOLLOW INSTRUCTIONS and tbg. Set Guibe	IN THE RULES	AND REG	GULATIONS) ,050° and acidize for	ormation
TD: 12,231° Propose to pull rod	(FOLLOW INSTRUCTIONS and tbg. Set Guibe	IN THE RULES	AND REG	GULATIONS) ,050° and acidize for	ormation
TD: 12,231° Propose to pull rod	(FOLLOW INSTRUCTIONS and tbg. Set Guibe	IN THE RULES	AND REG	GULATIONS) ,050° and acidize for	ormation
TD: 12,231° Propose to pull rod	(FOLLOW INSTRUCTIONS and tbg. Set Guibe	IN THE RULES	AND REG	GULATIONS) ,050 and acidize for	ormation
TD: 12,231° Propose to pull rod	(FOLLOW INSTRUCTIONS and tbg. Set Guibe T scid. Pull tbg. s	IN THE RULES ERSON L-30 pk	AND REG	GULATIONS) ,050 and acidize for	ormation
TD: 12,231' Propose to pull rod	(FOLLOW INSTRUCTIONS and tbg. Set Guibe	in the Rules arson L-30 pk and pkr. and	AND RE	GULATIONS) ,050 and acidize for	ormation

Approved		, 19
Except as follows:		
		<i>/</i>
		/ .
Approved		
OIL CONSERVATION	ON COMMISSION	
1///	. 14/1/1/11/11/11/11/11/11/11/11/11/11/11/	//
By	///////////////////////////////////////	
(-66	/ 6	
Title		

Bocony Mobil Oil Company, Inc.

Company or Operator

By

Position District Senior Clerk

Send Communications regarding well to:

Name Socony Mobil Oil Company, Inc.

Address Box 2406, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION Form C-110 SANTA FE, NOW MEXICO

Revised 7/1/55

(File the original and 4 copies with the appropriate district office) CCC

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION 11 23

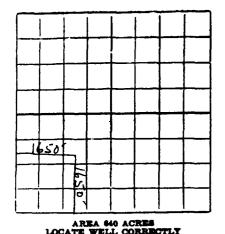
Company o	r Opera	tor Socon	y Mobil O	il Comp	any, Inc.		Lease S	enta Fe	Pac "E	R
Well No.	2	Unit Lett	er <u>K</u> S	23 T	95 R 36	E Pool	Crossr	oeds		
County	Lea		Kind of	Lease	(State, Fe	d. or	Patented)	Pate	nted	
f well proc	duces of	l or conde	nsate, gi	e locat	ion of tank	s:Unit	SW/4S	23 T	98 R 36	5B
					Magno					
Address		Box 511,	Brownfie	ld, Tex	cas					
	(Give	address to	which ap	proved	copy of thi	s form	n is to be	sent)		
Authorized	Transp	orter of G	a.s							
Address						_ Da	te Connec	ted		
(Can in m	(Give	address to	which ap	proved	copy of thi	s form	is to be	sent)	· · · · · · · · · · · · · · · · · · ·	
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Change in (Ownerst	nip		()	Other		·		(X)	
lemarks:						(Give	explanat	ion bel	ow)	
Change na	me of O	perator fro	om Magnol	ia Petr	oleum Compa	an y				
Effective	Octobe	r 1, 1959.								
The unders	igned co	ertifies tha	t the Rul	es and 1	Regulations	of the	e Oil Con:	servati	an Com	_
		complied v				, or on	C 021 0011	oci , ati	011 00111	
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Oll C	ONSER	VATION C	OMMISSI	ON	Compa	nyS	Socony Mob	oil Oil	Company	<u>, 1</u>
Sy 1	1/2/	1/2/11	19:27		Addres		30x 2406			
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itle						Į	Hobbs, New	/ lexic	0	
		Engineer Di	strict I							

NEW MEXICO OIL CONSERVATION COMMISSION

(Revised 3-55)

MISCELLANEOUS REPORTS ON WELLS (Submit to appropriate District Office as per Commission Rule 1106)

COMPANY_	Magnolia Petrol		Box 2406, dress)	Hobbs,	New Mexico	
		`	•			
	Fe Pacific "E"	_WELL NO.			23 T	98 R 36 B
DATE WORI	K PERFORMED_	7/29/57	P00	L	Cross roads	
This is a Re			1-11-\ T	D.	ulta of Task	of Cooing Shut o
Into is a Re	port of: (Check	appropriate	prock)	* Res	uits of lest	of Casing Shut-o
Beg	ginning Drilling (Operations		Ren	nedial Work	
D1,,	gging		F	Oth	a **	
(1	. 88 8		£			
6:15 P. I	of 8 5/8" csg. M., July 29, 1957 ad after drilling	. WOC 48 hou	ers. Tested	75 aks. 8 5/8*	, circulated cag. w/1200	. Plug down for 30 mimutes
FILL IN BE Original We DF Elev.	LOW FOR REME 11 Data: TD	EDIAL WORK	K REPORT\$		Com	pl Date
Tbng. Dia	Tbng Depth	n(Oil String D	ia	Oil Str	ing Depth
Perf Interva	1 (s)					
Open Hole Ir	nterval	Produc	cing Format	ion (s)		
D ECHI TC O	F WORKOVER:			 -	DEEODE	A ETIED
RESULIS O.	F WORKOVER:			_	BEFORE	AFTER
Date of Test	;			_		
Oil Producti	on, bbls. per da	y			·	
Gas Product	ion, Mcf per day	У		_		
Water Produ	iction, bbls. per	day		·-		
Gas-Oil Rat	io, cu. ft. per b	b1 ,		_		
Gas Well Po	tential, Mcf per	day		_		
Witnessed b	У					
			T 1 - 1			pany)
OIL CO	NSERVATION CO	OMMISSION	•	true ar		ormation given to the best of
Title		-404-	Position		Matrice	Superintendent
Date *			- Company		**************************************	



NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mckico CERTE TOO

WELL RECORD 14 PM 2 49

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

If State Land submit 6 Copies

Well No. 2 , in NB 4, of SW 4, of Sec 23 T 98 R 36E NMPP Understand		MAGN	OLIA PETR (Company or Op	OLEUM COMPANY			Santa Fe Par	sific "F"
Note 1 is 2650 feet from West line and 1650 feet from South line of Section. 23 If State Land the Oil and Gas Lease No. is. Drilling Commenced. July 1h 19.57 Drilling was Completed Revenue 6 19.57 Name of Drilling Contractor. Magnolia Petroleum Company - Rig Moa 22 P. 0. Box 633, Hidland, Texas Clevation above sea level at Top of Tubing Head. 1926 The information given is to be kept confidential un 19. OIL BANDS OR ZONES No. 1, from 1843 to 1910 No. 4, from to 19. OIL SANDS OR ZONES No. 5, from 10. DHPORTANT WATER SANDS Include data on rate of water inflow and elevation to which water rose in hole. No. 1, from 190 to 140 feet. OIL SANDS OR COTA AND FERSONS SIZE OF SIZE OF NEW OR LIBER 5000' TO SENDE FULLED FROM FERSONS FURFORM 19. CASING RECORD MUDDING AND CEMENTING RECORD SIZE OF SIZE OF NEW & Used 5000' TO SENDE FULLED FROM FERSONS FURFORM 12.172-12231 MUDDING AND CEMENTING RECORD SIZE OF SIZE OF WEEKE NO. SACKS OF CENTRAL DESCRIPTION AND AND TO THE STORE 12.172-12231 MUDDING AND CEMENTING RECORD SIZE OF SIZE OF WEEKE NO. SACKS OF CEMENT USED ORANITY MUDDING AND CEMENTING RECORD SIZE OF SIZE OF WEEKE NO. SACKS OF CEMENT USED ORANITY MUDDING AND CEMENTING RECORD			, in 102		-7	-	•	•
If State Land the Oil and Gas Lease No. is. State Commenced July 14 19.57 Drilling was Completed ROYSINDER 6 19.57		Und erla n	eted 4		Pool,	Lea	County	County
Prilling Commenced July 1h 19.57 Drilling was Completed Hovember 6 19.57 Name of Drilling Contractor Magnelia Petroleum Company - Rig Hoa 22 National Petroleum Compan	Well is	650	feet from	Vest	line and	1650	feet from	South lin
Name of Drilling Contractor. Magnolia Petroleum Company - Rig No. 22 Address P. O. Box 633, Midland, Texas Clevation above sea level at Top of Tubing Head. 1026 The information given is to be kept confidential un plants of the information given i								
OIL SANDS OR ZONES No. 1, from 1843 to 9678 No. 4, from to 100, from to 100, from 100, feet. IMPORTANT WATER SANDS Include data on rate of water inflow and elevation to which water rose in hole. No. 2, from 190 to 1440 feet. CASING RECORD CASING RECORD CASING RECORD CASING RECORD MUDDING AND CEMENTING RECORD MUDDING AND CEMENT REC	Orilling Con	menced	July 1	<u>lı</u>	19. 57 Drillin	g was Completed	Aovamber	6 , 19 57
OIL SANDS OR ZONES No. 1, from 18143 to 1910 No. 4, from to 10. 1950 No. 5, from 10. 10. 1950 No. 6, from 10. 195		•						
OIL SANDS OR ZONES No. 1, from	Address	P.	0. Box 6	33, Hidland, To	exas		**************************	
OIL SANDS OR ZONES No. 1, from			-	_	***************	The inf	formation given is to	be kept confidential unti
10	***************************************		*******************************	, 19				
10. 2, from				on	SANDS OR Z	ones		
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(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)				<u>\$</u>	EE ATTACHM	ent		***************************************
(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.) SEE ATTACHMENT								
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	Perult of D	aduation Sti-	aulatio-					

______Depth Cleaned Out._____

k)BD OF DRILL-STEM AND SPECIAL TES.

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

	ls were us	ed from						•••••••••	feet to	***************************************
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Put to Pe	oducing	Hove	mper	11	19 5	7				_
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	Gra	avity	肿	*******************	······································					
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From O 60 394 780 1050 1425 1810 1932 2310 2646 2957 3260 3469 3625 4514 4556 4681	To 60 394 780 1050 11425 1810 2646 2957 3260 3169 3625 14556 14625 14681 1775	7714 8999 "C" 9 11 Thickness in Feet 60 334 386 270 375 385 122 378 336 311 303 209 156 197 303 389 42 69 56 94	Calie Red b Red b Red b Red b Red b Red b Balt, Salt, Anhy Salt, Lime Lime	Forma he, clay ed & red ed & red ed & shale ed, shale ed, red r shale & shale	FORMATion & sand rock ls & rock & anhy ook & anhy anhy y & red re anhy ik anhy	From 6008 6284 6380 6492 6605 6753 7720 7748 7970 8255 681 8357 8383 8466 8449 8467 8529 9650 9836 9877	70 6284 6380 6492 6605 6753 7720 7748 7970 8255 8301 8357 8383 8406 8149 8467 8529 9650 9836 9877 9902	Thickness in Feet 276 96 112 113 148 967 28 222 285 46 56 26 23 43 18 62 1121 186 41 25	Lime, shale Lime & dolo Lime Lime & dolo Lime Lime & shale Lime & shale Shale Shale Shale Shale Shale Shale Shale Lime & shal Lime Lime & shal Lime Lime & shal	rmation & salt bre wite & salt bre wite e breaks e
From 60 394 780 1050 1425 1810 1932 2310 2646 2957 3260 3469 3625 4514 4556 4681 4775	To 60 394 780 1050 11425 1810 1932 2310 2646 2957 3260 3469 3625 4514 4556 4681 4775 5000	7714 8999 "C" 9 11 Thickness in Feet 60 334 386 270 375 385 122 378 336 311 303 209 156 197 303 389 42 69 56 94 225	Calie Red b Red b Red b Red b Red r Red b Salt, Salt, Salt, Lime Lime Lime Lime	Forma he, clay ed ed & red ed & shale ed & shale ed, shale ed, shale ed, red r shale & shale	FORMATion & sand rock ls & anhy e & red rock anhy y & red re anhy ik anhy y	From 6008 6284 6380 6492 6605 6753 7720 7748 7970 8255 681 8361 8367 8383 8406 8449 8467 8529 9650 9836 9877 9902	To 6284 6380 6492 6605 6753 7720 7748 7970 8255 8301 8357 8383 8406 8149 8467 8529 9650 9836 9877 9902 10227	Thickness in Feet 276 96 112 113 1148 967 28 222 285 146 56 26 23 18 62 1121 186 141 25 325	Lime, shale Lime & dole Lime Lime & dole Lime Lime & shale Lime & shale Shale Shale Shale Shale Shale Shale Shale Lime Lime Lime Lime Lime Lime Lime Lim	rmation & salt bre mite & salt bre mite & salt bre mite & lime &
From O 60 394 780 1050 1425 1810 1932 2310 2646 2957 3260 3469 3625 4514 4556 4681	To 60 394 780 1050 11425 1810 2646 2957 3260 3169 3625 3822 14125 14556 14625 14681 14775	7714 8999 "C" 9 11 Thickness in Feet 60 334 386 270 375 385 122 378 336 311 303 209 156 197 303 389 42 69 56 94 225 121	Calie Red b Red b Red b Red b Red r Red b Salt, Salt, Salt, Lime Lime Lime Lime	Forma he, elsy ed ed & red ed & shell oek, shell ed, shale ed, red r shale & shale & red ros shale & cok & anh shale & cok & anh shale & cok & anh	FORMATion & sand rock ls & anhy e & red rock anhy y & red re anhy ik anhy y	From 6008 6284 6380 6492 6605 6753 7720 7748 7970 8255 681 8357 8383 8466 8449 8467 8529 9650 9836 9877	To 6284 6380 6492 6605 6753 7720 7748 7970 8255 8301 8357 8383 8406 8449 8467 8529 9650 9836 9877 9902 10227 10260	Thickness in Feet 276 96 112 113 148 967 28 222 285 46 56 26 23 43 18 62 1121 186 41 25	Lime, shale Lime & dolo Lime Lime & dolo Lime Lime & shale Lime & shale Shale Shale Shale Shale Shale Shale Shale Lime & shal Lime Lime & shal Lime Lime & shal Lime Lime & shal	rmation & salt bre mite & salt bre mite & salt bre mite & lime &

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a	complete and correct record of the well and all work done on it so far
as can be determined from available records.	
-	November 13, 1957 (Date)
Company or Operator Hernolin Petroleum Company	Address P. O. Box 2406, Hobbs, New Mexico
Company or Operator) Megnolia Petroleum Company Name	Position or Title District Superintendent

FORMATION RECORD (Continued)

From	To	Thickness in Feet	Formation
10868	10957	89	Lime
10957	10965	8	Sand
10965	11006	41	Lime & shale
11006	11021	15	Lime
11021	11092	71	Lime & shale
11092	111/10	48	Lime
11140	11185	45	Lime & shale
11185	11232	47	Line
11232	11248	16	Lime & shale
11248	11263	15	Lime
11263	11352	89	Lime & shale
11352	111:00	48	Line
11400	11437	37	Line & sandy shale
11h37	11450	13	Lime
11450	11495	45	Lime, shale & sand
11495	11533	3 8	Shale & lime
11533	11571	38	Lime
11571	11650	7 9	Lime & shale
11650	11667	17	Shale
11667	11695	28	Lime
11695	11715	20	Lime, shale & chert
11715	11731	16	Lime & chert
11731	11747	16	Lime
11747	11777	30	Lime & chert
11777	11779	2	Chart
11779	11825	46	Lime & chert
11825	11833	8	Lime
11833	11838	5	Lime & chert
11838	11953	115	Lime
11953	11973	20	Lime & chert
11973	12094	121	Lime & shale
12094	12113	19	Shale
12113	121 20	7	Lime
12120	12130	10	Lime & shale
12130	12138	.8	Lime
12138	12192	54	Lime & shale
12192	12196	4	Lime & dolomite
12196	12203	7	Lime
12203	12221	18	Lime & dolomite

EASTCO	DEVI	ATION	SURVEY

Depth	Degrees Off Vertical	Depth	Degrees Off Vertical	Depth	Degrees Off Vertical
	- A.		3		
145	1/4	7866	1	10821	1/4
2h2	3/4	8109	3/ k	10632	1/4
342	1-1/2	8242	3/4	10957	1/2
400	3/4	8331	1/2	11092	1-3/4
820	3/4	8367	1/2	11185	4-1/4
1050	1/4	8591	3/4	11219	į.
1300	3/4	8591	3/4	11248	4
1480	1	8691	1/4	11309	3-3/4
1775	3/4	8794	1/2	11,352	3 - 3/4
2165	7/8	8878	1/2	11437	2-3/4
2597	1-1/4	9138	2	11495	2-3/4
2820	1/2	9190	1-3/4	11550	2-3/4
2957	1/4	9261	1-3/4	11650	3-1/4
3250	1/2	9394	1-1/h	11695	3-1/2
3360	3/4	9475	1	11720	3
3656	1	9554	ī	11747	3-1/2
4153	3/4	9770	2-1/4	11790	h
4280	3/4	9836	2	11826	h-1/2
山06	1/2	9970	1-1/8	11877	5-1/2
4520	1/2	10150	ī	11898	5-3/4
4681	1	10260	7	11945	6
5838		10371	3/4	11979	ĕ
6286	1/h	10504	3/4	12120	6-1/2
6492	1/4	10637	1/4	12138	
7387	1/4	10721	1/4	12166	6-1/2
7748	1	TUICE	1/4	15100	(

CORE RECORD

No.	Top	Bottom	Rec.	Description
1 (Bough *C*)	96 50	97 05	5 5 1	9650-9679½ - 29½' lime & shale, no show. 9679½-9682 - 2½' - trace to 20% vuggy to ph porosity - good stain - lt. blue to yellow flo - good sut - no odor. 9682-9705 - 23' lime & shale - no show.
2	12194	12221	31	Cut 27' - recovered 3' frac dolo. w/trace scat. pp perc., poor show of blue white flo, trace stain - poor show.
3	12221	12226	12'	Cut 5^1 - recovered $1^{1}_{3}^{1}$ delemite, no show + cl junk.
և	- 1222 6	12231	្ វា	12226-12227 - 1' dolomite, trace small voggy poro., good odor. 12227-12228 - 1' dolomite, no show. 12228-12229 - 1' dolomite w/trace small voggy poro., good odor, 2' lost.

DRILL STEM TESTS

- No. Date From To or Open Hole Set Top Bottom Cushion Tested
 1 9-8-57 9677 9705 Open Hole 9677 5/8" 1" None 1 hr.

 (Bough "C") Recovered 540' of drlg. mud. N.S. SFP Off, BHFP 55-333# 30 minutes.

 SIP 2630# HH 5310-5285.
- 2 9-9-57 9668 9705 Open Hole 9668 5/8" 1" None 1½ hrs. (Bough "C") Recovered 100° drlg. mud no show 5FP 0# BHFP 65 30 min. SIP 165# HH 5340-5310.
- 3 10-5-57 11395 11495 Open Hole 11395 5/8" 1" None 1 hr. (Penn Sand) Nothing to surface. Recovered 50' drlg. mud no show. SFP 0#, Bottom Hole flowing pressure 145-145 30 mins. SIP 145# Hydrostatic Head 5990-5970.

(Continued)

	DRILL	STEM	TESTS	(Continued)
--	-------	------	-------	-------------

		1- (00.		No., Kind & Size	Tool	Cho	ke	Water	Time
No.	Date	From	To	or Open Hole	Set 0	Top	Bottom	Cushion	Tested
h	10-28-57 (Devonian cil - no Hydrostat) Nothi water.	ng to su SFP O#	Open Hole rface. Recovered 10 - bottom hole flow:	12190 00' of hea ing press	5/8" evy oil ure 0-3	1" eut drlg. 5# - 30 mi	None , mud + 1 q .ns. SIP 36	2 hrs. t. free 5# -

ACIDIZING RECORD

11-10-57 Cardinal Chemical Company acidized open hole 12172-12231 w/1000 gals. 15% regular acid. TP 4500-5200-1800%. .hd BPM. 5 Min. SIP 1000% - flow 48 bbls. load oil + 24 bbls. acid water in 3½ hrs. 32/64% choke (all load & acid). TP: 100%. Flow 59 bbls. new oil & no water in 3 hrs. on 20/64% choke. TP: 125%. S/O .2 of 1% AW, c2 of 1% BS.

NEW 'EXICO OIL CONSERVATION COM?' SION Santa Fe, New Mexico

(Form C-104) Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office which/Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is figd dring calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Cas must be reported on 15.025 psia at 60° Fahrenheit.

	(Place) (Date)
E ARE HEREBY REQUEST	TING AN ALLOWABLE FOR A WELL KNOWN AS:
Magnolia Petroleum	Co. Santa Fe Pacific "E", Well No. 2 , in NE 1/4 SW 1/4,
(Company or Operator)	(Lease)
	T 9-S , R 36-E , NMPM., Crossroads (Devonian) Pool
	County. Date Spudded 7-11:-57 Date Drilling Completed 11-10-57
Please indicate location:	Shoundton 1037 D. F 1023 G. I. Total Double 12, 231 Donn
riease indicate locadon.	Top Oil/Gas Pay 12,226 D.F. Name of Prod. Form. Devonian
D C B A	PRODUCING INTERVAL -
E F G H	Perforations Depth 30.300 Depth 33.006
	Open Hole 12,192-12,231
L K J I	OIL WELL TEST -
16501	Choke Natural Prod. Test: bbls.oil, bbls water in hrs, min. Size
	Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of
M R O P	Choke load oil used): 315 bbls.oil, 0 bbls water in 21 hrs, = min. Size 12
	GAS WELL TEST -
36-E	Natural Prod. Test: MCF/Day; Hours flowed Choke Size
tubing Casing and Communing Rec	
425	Test After Acid or Fracture Treatment: MCF/Day; Hours flowed
13 3/8 431 Circ.	Choke Size Method of Testing:
3375	Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and
8 5/8 5000 Circ.	7000 collane 15 d 100 cold
7397' 300' 535 4795Top 535	Casina Tubina Italia Date first new
5 1/2 4795Top 535	Press. Pkr. Press. Food oil run to tanks 11-11-57
(Bottom)	Oil Transporter 1800 Magnolia Pipe Line Company
	Gas Transporter
	丁一山。● 60° F
	Pressure - 400 psig.
	1 Ratio - 43.5/1
I hereby certify that the in	nformation given above is true and complete to the best of my knowledge.
pproved	(Company or Operator)
OIL CONSERVATIO	ON COMMISSION By: C. Z. Evans
2177	(Signature)
y:	Title District Petroleum Engineer
itle	Send Communications regarding well to:
ILIE	Name
	Address Box 2106 - Hobbs New Mexico
	Address

NEW ME CO OIL CONSERVATION COM SANTA FE, NEW MEXICO

SSION Form C-110 Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Magnolia Petroleum Com	pany Lease Santa Fe Pacific "E
Well No. 2 Unit Letter S 3 T	S R 36E Pool Cressroads (Devonian)
County Kind of Lease	State, Fed. or Patented) Patented
If well produces oil or condensate, give locati	on of tanks: Unit S 23 T 98 R 36K
Authorized Transporter of Oil or Condensate_	
A.11	Box 511, Brownfield, Texas
(Give address to which approved of	copy of this form is to be sent)
Authorized Transporter of Gas	
Address (Give address to which approved of	
If Gas is not being sold, give reasons and also	explain its present disposition:
Reasons for Filing:(Please check proper box) Change in Transporter of (Check One): Oil (
Change in Ownership ()	Other ()
Remarks:	Other () (Give explanation below)
The undersigned certifies that the Rules and R mission have been complied with. Executed this the 14 day of 16 levember 1	egulations of the Oil Conservation Com-
Approved #1	By Maghan's Title District Superintendent
OIL CONSERVATION COMMISSION	Company Magnolia Petroleum Company
By James	Address Box 2406, Hobbs, New Maxice
Title	

HOBBS OFFICE COQRevised-3-55)

NEW MEXICO OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS 9:42

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Magnolia Petroleum Company. (Add	Box 2406, Hobb dress)	os, New Mexico	
LEASE Santa Fe Pacific "B" WELL NO.	2 UNIT K	S 23 T	9 8 R 36 B
DATE WORK PERFORMED 10/31/57	POOL	Crossroads	
This is a Report of: (Check appropriate	block)	esults of Test	of Casing Shut-off
Beginning Drilling Operations	R	emedial Work	:
Plugging		ther	
Detailed account of work done, nature and TD 12221' BP @ 12192' Set 7397' of 50 liner on BP @ 12192'. liner w/535 sks., cement squeeze top of	Top of liner @	4795 *. Cemen	ted bottom of
of cement by temperature survey @ 9110' before & after drilling plug, held ek.	. WOC 48 hours.	. Tested top (of liner w/2000
	Prod. Int.	Com	pl Date
	ing Formation	(s)	
RESULTS OF WORKOVER:		BEFORE	AFTER
Date of Test			-
Oil Production, bbls. per day			
Gas Production, Mcf per day			
Water Production, bbls. per day			
Gas Oil Ratio, cu. ft. per bbl.			
Gas Well Potential, Mcf per day			
Witnessed by			
		(Con	npany)
OIL CONSERVATION COMMISSION	•	ify that the inf	to the best of
Title	Position	Material	mand not any in the
Date J	Company		perintengent
	Combany	MENTIOLIS POI	roleum Company

Form C-103 (Revised 3-55)

NEW MEXICO OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS.

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY	Magnolia Pet	_		6, Heb	bs, Ne	w Mexico)	·	
-		(Ac	idress)						
LEASE Senta	Fe Pacific "E"	WELL NO.	2 UNIT	K s	23	т 9	8	R 36	2
DATE WORK	PERFORMED	 July 15, 1	957 POO	L C	ressro	eds			
	-								
This is a Repo	ort of: (Check	appropriate	block)	x Resi	ilts of	Test of	Casi	ng Shu	t-of
			_		. 11. 1	1171			
Begin	nning Drilling	Operations	<u>L</u>	Rem	edial	work			
Plugg	ging	-		Othe	r				
Detailed accou	int of work dor		nd supptitus	fmatar	riale v	eed and	recui	lts obt	aine
drilling plug,	, no oreas.								
		·	•						
FILL IN BELO	OW FOR REMI	EDIAL WOR	K REPORTS	ONLY			.,		
Original Well	Data:								
DF Elev.	TD	PBD	Prod. In	nt		Compl	Date_		
Tbng. Dia	Tbng Dept	h	Oil String Di	ia	Oi	il String	Dept	h	
Perf Interval	(s)								
Open Hole Inte	erval	Produ	cing Format	ion (s)					
RESULTS OF	WORKOVER:				EFOR	E	ĀF	T ER	
Date of Test						···			
	n, bbls. per da	•				_	 -		-
	on, Mcf per da			_					
	tion, bbls. per	•			 				
	, cu. ft. per b								
	ential, Mcf per	day		_					
Witnessed by_						Compo	nv/		
			I hereby	certify		(Compa le infori		n give	n
OIL CONS	SERVATION C	OMMISSION	above is	true and					
		2	my knowl	edge.	AVII		1.		
Name	<u></u>		Name		WH	ugni	17		
Title			Position	Di	strict	/Superio	rtende	nt	
Date			C 0 mm 2 m 1 ·	144	a b Factor	Potest's			-

Form C-103 (Revised 3-55)

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Magnolia Petroleum Company, P. O. Box 2406, Hobbs, New Mexico (Address)								
LEASE Santa Fe Pacific "E" WELL NO.	2 UNI	r K	s	23	т	9 - S	R	36-E
DATE WORK PERFORMED July 14, 19				Cros	sroed	is		
This is a Report of: (Check appropriate	block)		Resul	ts of	Test	of Ca	sing	Shut-off
Beginning Drilling Operations			Reme	dial V	Vork			
Plugging			Other					
Detailed account of work done, nature and Commenced Drilling 5:00 P.M., July					ed a	nd res	sults	obtained
Commenced Diliting 7,000 1 and 3 duly	149 17716	(5 p	uu De	. o				
						,		
FILL IN BELOW FOR REMEDIAL WORK Original Well Data:	REPORTS	ON	LY		-,	·		
DF Elev. TD PBD	Prod. I	nt.			Comp	l Date	2	
	oil String I	,			_	ng De		
Perf Interval (s)								
Open Hole Interval Produc	ing Forma	tion	(s)_					
RESULTS OF WORKOVER:			ВІ	FOR	Ē	Al	FTEI	₹
Date of Test			-		_			
Oil Production, bbls. per day					_			
Gas Production, Mcf per day					_			
Water Production, bbls. per day					•			
Gas-Oil Ratio, cu. ft. per bbl.			·		-			
Gas Well Potential, Mcf per day					-			
Witnessed by					_			
	7.1				Comp			
OIL CONSERVATION COMMISSION	I hereby above is my know	true	and				_	
Name Atlantic	Name		10	Llos	19 Ke	13		
Title	Position			ot Sy			برسيسات عيبند	
Date	Company	, M	agno]	ia te	trole	un Com	bena	·

Form G-101 Revised (12/1/55)

NOTICE OF INTENTION TO DRILL

Notice must be given to the District Office of the Oil Conservation Commission and approval obtained before drilling or recompletion begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in QUINTUPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

If State Land submit 6 Comies Attach Form G- 128 in trivilicate to first 3 comies of form G-101

Wahha Ware Morelan						tach Form G- 128 in triplicate to first 3 copies of form G-10 July 12, 1957					
						(Date)					
NTA FE, NI			41551ON								
ntlemen:											
You are he	ereby no	otified tha	ut it us our May	intention to c	commence the	Drilling of a well to	be known as				
Santa F	Pac:		3 m			or Operator) 2, Well No		*	The well i		
ated	±/63	50 100	(Lesse)					(Timit)			
_	uth		nom me	·····	of Castion	23 _{, T} 9-		-E · ,	MADM		
IVE LOCAT					Crossroa	is Pool,	Lea	, F	Count		
				If State L	and the Oil an	d Gas Lease is No	•				
	i			If patente	d land the ow:	ner is). Sawyer				
D	C	В	A	Address		Cross	roads, New M	extico			
				We propos	se to drill well	with drilling equipme	nt as follows:R	otery O	ıly		
E	F	G	н	•							
			**	The status	of plugging b	ond is. On Fi					
	23			•							
ا. ا	K 2	J	I	Drilling C	ontractor	Megnol	a Petroleum (Company	Rig No.22		
				***************************************	***************************************	P. O. I	ox 633 I, Texas				
12	N	0	P	***************************************	***************************************	••••••	•••••••••••••				
%	- '		-	We intend	to complete t	this well in the	Devonian				
8				formation		mate depth of	12,500		feet		
We propos	e to use	the follow	wing string	of Casing and	CASING P	ROGRAM em as indicated:					
Size of Ho			e of Casing		at per Foot	New or Second Hand	Depth		Sacks Cement		
17 1/2*		1	3/8"		8#	New	5001		500		
12 1/4"			5/8*		4#	New	49001		2400		
7 7/8		5	1/2" (7# & 20#	New	7400 € 12	300 ·	600		
		-	-				<u> </u>				
		1			1			1			

Address Box 2406, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION Well Location and Acreage Dedication Flat

conted 1650 county Les tame of Produc . Is the Ope Yes . If the ans consolidat "yes." Typ	Feet From G. L ing Formation rator the only o No wer to question ed by communitize of Consolidati	South Line Elevation From in the cone is "no," hation agreemen	Dedicated acreage the interestrate or otherwise?	ip 9 South Range First NMP Peet From Max: Lin ated Acreage Acre Crassmana cutlined on the plat below? s of all the owners been Yes No . If answer is rs and their respective interests
below:	Owner			escription
Section B.				
				This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.
	 			(Operator) (Operator) (Representative)
		23		P. O. Box 2406, Robbe, New Address
Magne 1650'	Pet. Co. "		; 	This is to certify that the well location shown on the plat in Section B was plott from field notes of actual surveys made by me or under
562'_•#1	50,05	}		my supervision and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Inly 1957
9 90,	10	Neut - I	h/Ca :	Registered Professional Engineer and/or Land Survey