

DATE 5-25-83 WELL NO. 8 LEASE SANTA F PACIFIC FIELD CROSSROADS  
DEVONIAN

LOCATION 8K 23-T95-R36E

SIGNED S.L. MUNSELL

G.L. 4026

D.F. NA

K.B. 4037

ZERO NA

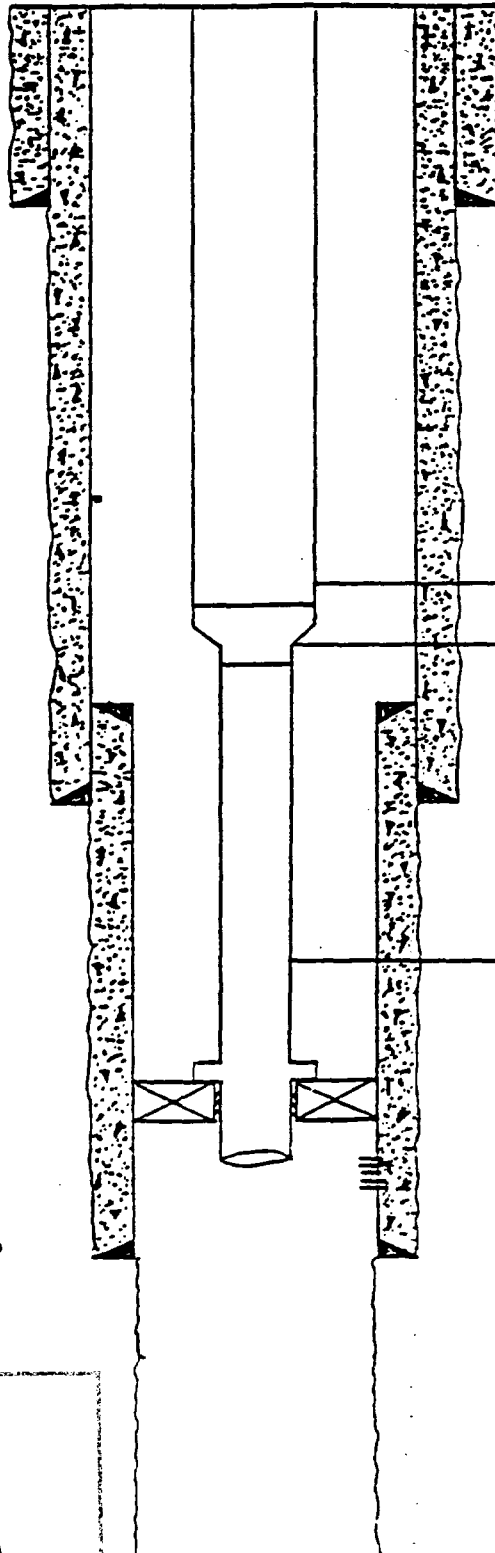
AFTER WORKOVER

13 7/8" - 48 1/4" H-40 SET W/435  
SX. CMT. CMT. CIRC.

TOP OF LINER

8 3/4" - 32 1/4" J-55 SET W/3375  
SX. CMT. CMT. CIRC.

5 1/2" LINER (7937'), 17 1/2" 20 1/4" H-80  
SET W/835 SX.



- 431'

4700' 4 1/2" K-55 STIC CSG.  
DUAL LINED

4 1/2" x 3 1/2" P.C. CROSSOVER

- 4795'

- 5000'

7400' 3.5" 9.2 1/4" J-55 BUTTRESS  
W/ J-55 SPECIAL CLEARANCE C/PLO  
P.C. W/ SPINDOAT SC-850

- MODEL 'G' SEAL ASSEMBLY  
- BAKER MODEL 'F-1' PERM PKR @ 12,10'

- DEVONIAN PERFS  
- 12,176'-181' W/ 1 JSPP

- 12,172'

- TD 12,400'

BEFORE EXAMINER SIGNATURE

OIL CONSERVATION DIVISION

OCD

EXHIBIT NO.

1h

CASE NO.

11901

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

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

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

## OIL CONSERVATION DIVISION

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

WELL API NO.

30-025-03595

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

### SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL  
WELL ☐

GAS  
WELL ☐

OTHER Salt Water Disposal

2. Name of Operator

Meteor Developments, Inc.

3. Address of Operator

511 16th Street Denver, Colorado 80202

4. Well Location

Unit Letter K : 1650 Feet From The South Line and 1650 Feet From The West Line

Section 23

Township 9-S

Range 36-E

NMPM

Lea

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

#### NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

#### SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

4-25-94-Moved in Clarke Well Service. Spotted rig at well. Did not rig up on account of high winds.

4-26-94-Rigged up Clarke Well Service. Pulled and laid down 62 joints of 4 1/2" OD, 11.6#, N-80, LT&C tubing. All pipe was in bad condition from scale and external corrosion. Bottom of bottom joint was eaten in two from external corrosion. Installed tubing hanger flange and master valve. Closed in well and rigged down Clarke Well Service and temporarily abandoned well. Top of tubing in well at approximately 2500 foot depth.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

*W.M. Groesbeck*

TITLE

Agent

DATE

4-28-94

TYPE OR PRINT NAME

W.M. Groesbeck

TELEPHONE NO.

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT I SUPERVISOR

MAY 04 1994

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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

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

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator <b>METEOR DEVELOPMENTS, INC.</b>	Well API No.
Address <b>511 16th Street, Suite 400, Denver, CO 80202</b>	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/> Effective September 1, 1991
If change of operator give name and address of previous operator <b>Bordeaux Petroleum Co., 511 16th Street, Suite 400, Denver, CO 80202</b>	

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Santa Fe Pacific</b>	Well No. <b>8</b>	Pool Name, Including Formation <b>Crossroads Siluro Devonian</b>	Kind of Lease State, Federal or Fee	Lease No.
Location Unit Letter <b>K</b> : <b>1650</b> Feet From The <b>W</b> Line and <b>1650</b> Feet From The <b>S</b> Line Section <b>23</b> Township <b>9 S</b> Range <b>36 E</b> , <b>NMPM</b> , <b>Lea</b> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> <b>N/A (Water Disposal Well)</b>	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
If well produces oil or liquids, give location of tanks.	Unit	Sec.
	Twp.	Rge.
Is gas actually connected?		When ?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
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					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Bruce M. Patterson  
Signature  
**BRUCE M. PATTERSON ENGINEER & OPERATIONS**  
Printed Name  
9/18/91 303/572-1135  
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved 09/21/91

By ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT I SUPERVISOR

Title \_\_\_\_\_

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

OIL CONSERVATION DIVISION

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

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

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator BORDEAUX PETROLEUM COMPANY		Well API No.
Address 333 W. HAMPDEN AVE. SUITE 604 ENGLEWOOD, CO 80110		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Change in Operator <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	Effective 3/1/90
If change of operator give name and address of previous operator METEOR DEVELOPMENTS, INC. 12842 VALLEY VIEW #104 GARDEN GROVE, CA 92645		

II. DESCRIPTION OF WELL AND LEASE

S.W.D.(SI)

Lease Name Santa Fe Pacific	Well No. 8	Pool Name, including Formation Crossroads Devonian	Kind of Lease Standard Production Fee	Lease No.
Location				
Unit Letter K : 1650 Feet From The West Line and 1650 Feet From The South Line				
Section 23 Township 9S Range 36E , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
N/A (Water Disposal Well)	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When ?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
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					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Bruce M. Patterson  
Signature

Bruce M. Patterson, Vice President-Engineering &

Printed Name Title Operations

3/13/90 (303) 761-3707

Date Telephone No.

OIL CONSERVATION DIVISION

MAR 30 1990

Date Approved

By

Orig. Signed by  
Paul Kautz  
Geologist

Title

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.

Forms must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION 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  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator: **METEOR DEVELOPMENTS, INC.**

Address: **12842 Valley View #104 Garden Grove, CA 92645**

Reason(s) for filing (Check proper box):  
☐ New Well  
☐ Recompletion  
☒ Change in Ownership  
 Change in Transporter of:  
☐ Oil ☐ Dry Gas  
☐ Casinghead Gas ☐ Condensate  
 Other (Please explain):  
 Effective Date **2-1-87**

If change of ownership give name and address of previous owner: **Mobil Producing Texas & New Mexico Inc. 9 Greenway Plaza, Suite 2700, Houston, TX 77046**

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Santa Fe Pacific</b>	Well No. <b>8</b>	Pool Name, Including Formation <b>Devonian</b>	Kind of Lease State, Federal or Fee	Fee	Lease No.
Location Unit Letter <b>K</b> : <b>1650</b> Feet From The <b>West</b> Line and <b>1650</b> Feet From The <b>South</b> Line of Section <b>23</b> Township <b>9S</b> Range <b>36E</b> , NMPM, Lea County					

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

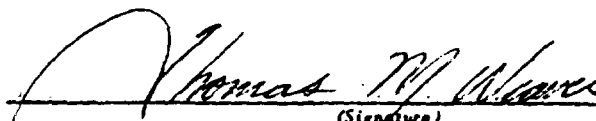
Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> <b>N/A (Water Disposal Well)</b>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

  
(Signature)  
**Vice President, Corporate Secretary**  
(Title)  
**February 2, 1987**  
(Date)

OIL CONSERVATION DIVISION

APPROVED **JUN 2 1987**, 19\_\_\_\_\_  
BY **ORIGINAL SIGNED BY JERRY SEXTON**  
TITLE **DISTRICT I SUPERVISOR**

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviator tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
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  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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

Form C-103  
Revised 10-1-78

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- SWD		7. Unit Agreement Name
2. Name of Operator Mobil Producing TX & NM Inc.		8. Farm or Lease Name Santa Fe Pacific
3. Address of Operator 9 Greenway Plaza, Suite 2700, Houston, TX 77046		9. Well No. 8
4. Location of Well UNIT LETTER <u>K</u> <u>1650</u> FEET FROM THE <u>West</u> LINE AND <u>1650</u> FEET FROM THE <u>South</u> LINE, SECTION <u>23</u> TOWNSHIP <u>9-S</u> RANGE <u>36-E</u> NMPM.		10. Field and Pool, or Wildcat Crossroads - Devonian
15. Elevation (Show whether DF, RT, GR, etc.)		12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUS AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPS. <input type="checkbox"/>	PLUS AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

8-26-86 MIRU Frontier WS.  
8-27-86 RIH w/SA on 237 jts 3½ tbq + 66 jts 4½ tbq.  
9-02-86 Rin RIH w/tbg, pmp 20 BFW w/165 gal NL chem coat 1270, PT annul 600#-30 min-OK, witnessed by Jack Griffin-NMOCD.  
9-03-86 Acd 12192-12400 w/6000 gal 15% NEFE HCL acid + 1200# 100 mesh salt + 1200# formaldehyde flakes, RDMO, return to disposal.  
9-15-86 Final Disposal Rate: 8896 BWPd; 20# TP; 0# CP. Tst csg 500#-OK.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Nancy Lewis TITLE Authorized Agent DATE 9-18-86

ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT 1 SUPERVISOR

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE SEP 22 1986

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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

Form C-103  
Revised 10-1-78

5a. Indicate Type of Lease  
State ☐ Fee ☒  
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Salt Water Disposal	7. Unit Agreement Name
2. Name of Operator Mobil Producing TX & NM Inc.	8. Farm or Lease Name Santa Fe Pacific
3. Address of Operator 9 Greenway Plaza, Suite 2700, Houston, TX 77046	9. Well No. 8
4. Location of Well UNIT LETTER <u>K</u> <u>1650</u> FEET FROM THE <u>West</u> LINE AND <u>1650</u> FEET FROM THE <u>South</u> LINE, SECTION <u>23</u> TOWNSHIP <u>9-S</u> RANGE <u>36-E</u> NMPM.	10. Field and Pool, or Wildcat Crossroads- Devonian
15. Elevation (Show whether DF, RT, GR, etc.) DF-4036	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	Repair tbg leak <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

5-21-86 MIRU DA&S WS  
5-22-86 POH W/tbg, found hole 47 jts down.  
5-23-86 Cont POH W/tbg, RIH W/seal assy on 3 1/2" tbg.  
5-24-86 RIH to 4402, set 20M# compression.  
5-25-86 Load B. S.W/90 bbl 2% KCL wtr & Cronox 669 TA inhibitor, press 500# - OK,  
RDMO DA&S WS, returned well to disposal status.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED [Signature] TITLE Authorized Agent DATE 7-29-86

ORIGINAL SIGNED BY JERRY SEXTON  
APPROVED BY DISTRICT SUPERVISOR TITLE  DATE AUG 4 1986  
CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- Salt Water Disposal		7. Unit Agreement Name
2. Name of Operator Mobil Producing TX. & N.M. Inc.		8. Farm or Lease Name Santa Fe Pacific
3. Address of Operator Nine Greenway Plaza, Suite 2700, Houston, Texas 77046		9. Well No. 8
4. Location of Well UNIT LETTER <u>K</u> <u>1650</u> FEET FROM THE <u>West</u> LINE AND <u>1650</u> FEET FROM THE <u>South</u> LINE, SECTION <u>23</u> TOWNSHIP <u>9S</u> RANGE <u>36E</u> NMPM.		10. Field and Pool, or Wildcat Crossroads Devonian
15. Elevation (Show whether DF, RT, CR, etc.) 4036 DF		12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data.  
NOTICE OF INTENTION TO:PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐PLUG AND ABANDON ☐  
CHANGE PLANS ☐OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOBS ☐  
OTHER commence salt water disposal ☒ALTERING CASING ☐  
PLUG AND ABANDONMENT ☐

NMOCD order SWD-260

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Commenced salt water disposal 07/05/84.

FINAL INJECTION TEST: Inj. 12,650 BSW/PD, TP - 70#, CP - 0#.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>Paula W. Collins</u>	TITLE <u>Authorized Agent</u>	DATE <u>07/24/84</u>
APPROVED BY <u>JUL 27 1984</u> ORIGINAL SIGNED BY <u>JERRY SEXTON</u>		
DISTRICT 1 SUPERVISOR		
DATE <u>JUL 27 1984</u>		

CONDITIONS OF APPROVAL, IF ANY:



## C. CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT --" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- shut-in	7. Unit Agreement Name
2. Name of Operator Mobil Producing TX. & N.M. Inc.	8. Farm or Lease Name Santa Fe Pacific
3. Address of Operator Nine Greenway Plaza, Suite 2700, Houston, Texas 77046	9. Well No. 8
4. Location of Well UNIT LETTER <u>K</u> <u>1650</u> FEET FROM THE <u>West</u> LINE AND <u>1650</u> FEET FROM THE <u>South</u> LINE, SECTION: <u>23</u> TOWNSHIP <u>9S</u> RANGE <u>36E</u> NMPN.	10. Field and Pool, or Wildcat Crossroads Devonian
15. Elevation (Show whether DF, RT, GR, etc.)	12. County Lea

## Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

## SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER <input type="checkbox"/>	Drilled Deeper <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1109.

12,400 TD, Devonian Perfs 12,176-12,181, OHZ 12,192-12,400.  
Casing Record: 13-3/8 @ 431, 8-5/8 @ 5000, 5-1/2 @ 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 & bit.  
02/25- RIH w/ RBP + 5-1/2 Pkr on 2-7/8 tbg, set BP @ 12,125, press test BP to 1000 psi/  
26/84 5 min/held OK, rel pkr & load annulus w/ prod wtr, press test annulus from  
12,125 to surface w/ 1000 psi/15 min/held OK, Ref BP.  
02/27/84 POH w/Pkr & BP, WIH w/ 4-5/8 bit, 20 - 3-1/2 cols on 2-7/8 tbg to 12,100.  
02/28/84 Tag fill @ 12,213, attempt to circ 600 bbls prod wtr, would not 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 tbg on sd line,  
2 runs, rec one cone & one pkr slip, WIH w/ 4-5/8 concave cone 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 w/4-5/8 bit,  
10 - 3-1/2 cols on 2-7/8 tbg, drl new 4-5/8" hole.

--SEE REVERSE--

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Paula A. Collins TITLE Authorized Agent DATE 06/28/84  
ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT 1 SUPERVISOR  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE JUL - 5 1984  
CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION  
DISTRICT 1

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

DATE 3/8/83

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed NSP \_\_\_\_\_  
Proposed SWD X \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application for the:

Wahil Prod. Co. & W.M. Inc. Santa Fe, N.M. #8K 239-36  
Operator Lease and Well No. Unit S - T - R

and my recommendations are as follows:

OK JS

Yours very truly,

/mc

# Mobil Producing Texas & New Mexico Inc.

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  $4\frac{1}{2}"$  tubing lined with plastic to a packer set at  $\pm 4900'$  and then through  $5\frac{1}{2}"$  casing to the Devonian formation, 12,142'-12,400'. (see completion sketch), (3) required average pump pressures are  $\pm 50$  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

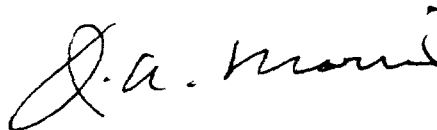
March 1, 1983

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,



SDMarino/ec  
Attachments

J.A. Morris  
Regulatory Engineering Supervisor

cc: NMOCD District #1

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage  
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Mobil Producing TX. & N.M. Inc.  
Address: Nine Greenway Plaza, Suite 2700, Houston, TX 77046  
Contact party: S.D. Marino Phone: 713 871-5351
- III. 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.
- IV. Is this an expansion of an existing project? ☒ yes ☐ no  
If yes, give the Division order number authorizing the project R-6647.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- \* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- \* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: J.A. Morris Title Regulatory Engineering Supervisor  
Signature: *J.A. Morris* Date: March 1, 1983
- \* 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 of the earlier submittal. Hearing under Case #7206, Order Number R-6647, Dated 4-13-81

## 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 age 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 wells may submit a "typical data sheet" rather than submitting the data for each well.

B. 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 publication 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. O. 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.

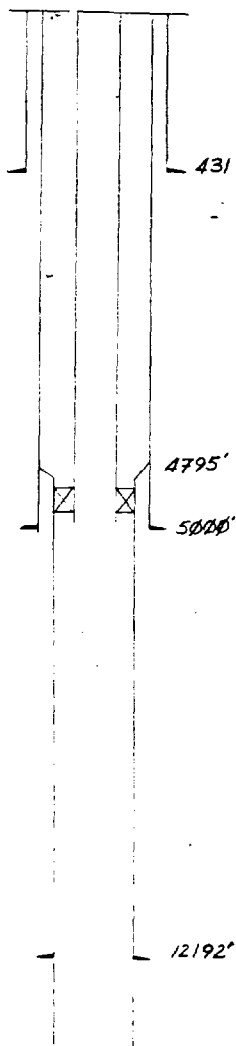
RECEIVED  
MAR 7 1983  
O.C.D.  
HOBBS OFFICE

Mobil Producing TX. &amp; N.M. Inc.

Santa Fe Pacific

OPERATOR	LEASE			
8	1650' FWL & 1650' FSL	23	9-S	36-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

## Schematic



## Tabular Data

## Surface Casing

Size 13-3/8", 48#/ft Cemented with 435 sx.TOC Surface feet determined by CirculatedHole size 17 1/2

## Intermediate Casing

Size 8-5/8", 32#/ft Cemented with 435 sx.TOC Surface feet determined by CirculatedHole size 11

## Long string

Size 5 1/2", 17&20#/ft liner Cemented with 835 sx.TOC 4795 feet determined by CalculatedHole size 6-1/8"Total depth 12,192"

## Injection interval

4900 feet to 12,400 feet

(perforated or open-hole, indicate which)

Perforated and open-hole

TESTED

Tubing size 4 1/2" lined with Plastic coating set in a

(material)

Baker Model D

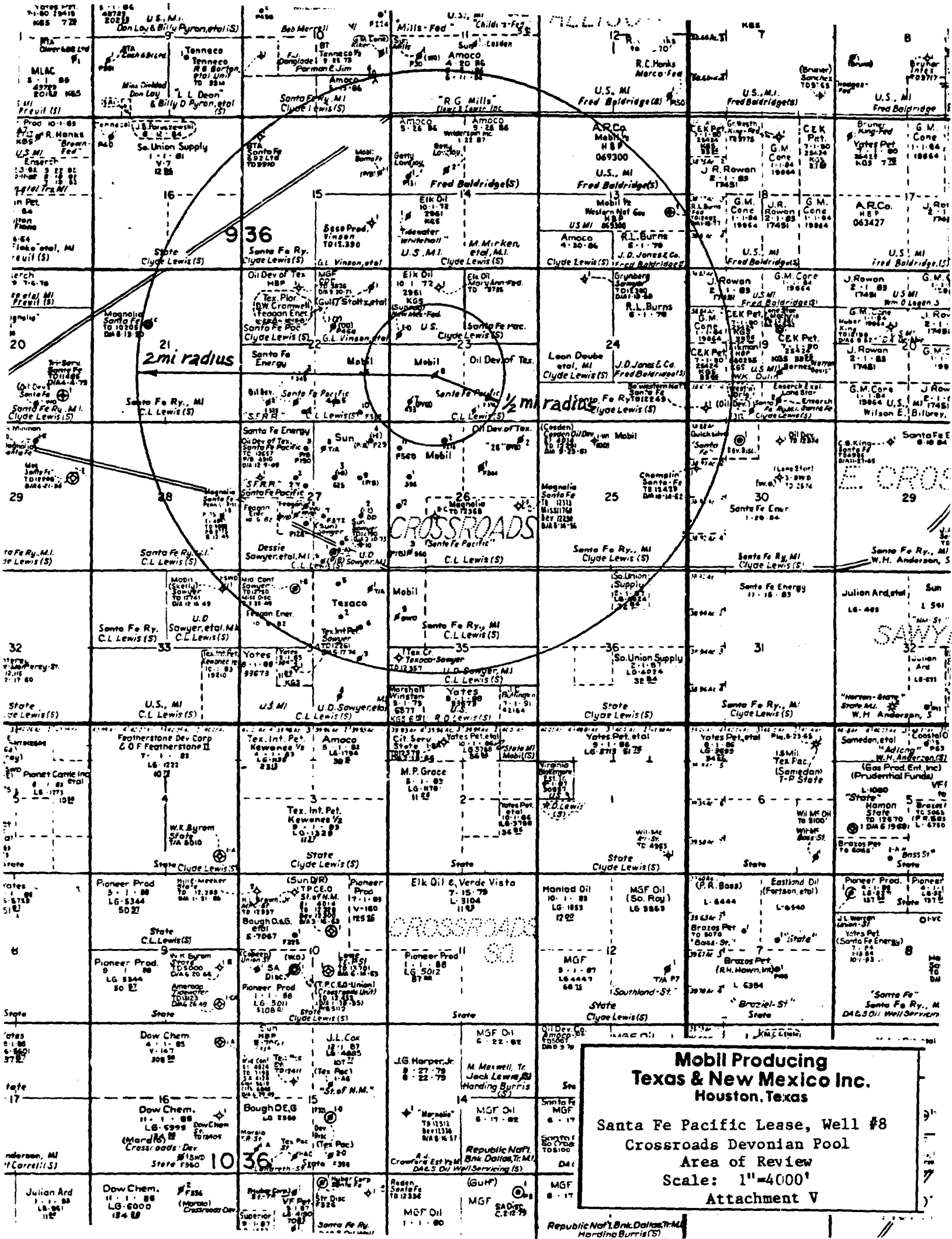
(brand and model)

packer at +4850 feet

(or describe any other casing-tubing seal).

## Other Data

- Name of the injection formation Crossroads Devonian
- Name of Field or Pool (if applicable) Crossroads Devonian Pool
- Is this a new well drilled for injection? ☐ Yes ☒ No  
If no, for what purpose was the well originally drilled? Producing Oil Well
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.  
Penn (11,445')-Oil zone  
San Andres (4200')-Oil zone



**Mobil Producing  
Texas & New Mexico Inc.  
Houston, Texas**

**Santa Fe Pacific Lease, Well #8  
Crossroads Devonian Pool  
Area of Review  
Scale: 1"=4000'  
Attachment V**



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

Tabulated Data of all Producing Wells on Public Record within Area of Review

Producing Wells

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

Well No.	Location	Well Type	Date Drilled	Depth	Completion Interval	Construction Detail				Cement Record Sk
						Casing Size	Weight Lbs/Ft	Depth Set		
2	C	26-9S-36E	Oil	9-1-54	12,183'	Devonian	* 13-3/8	48	472'	500
					12,129'-	* 9-5/8	36&40	4765'		2615
					12,174'	* Ln 5½	17&20	4757'-		600
								12,174'		
6	I	22-9S-36E	Oil	9-9-74	12,190'	Devonian	* 13-3/8	48	426'	425
					12,153'-	* 8-5/8	24	4950'		3250
					12,190'	* Ln 5½	17&20	4586'-		2100
								12,153'		
7	M	23-9S-36E	Oil	3-23-53	12,191'	San Andres	* 13-3/8	35.63	380'	375
					4818'-4899'	* 8-5/8	32	4815'		2500
						* Ln 5½		4645'-		2075
								12,191'		
8	K	23-9S-36E	Oil	11-6-57	12,231'	Devonian	* 13-3/8	48	481'	435
					12,192'-	* 8-5/8	32	5000'		3375
					12,231'	* Ln 5½	17&20	4795'-		835
								12,192'		

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.

Plugged Wells

Operator - Sunray Mid Continent Oil Company

Well No.	Location	Date Drilled	Depth
1E	23-9S-36E	8-6-56	12,250'

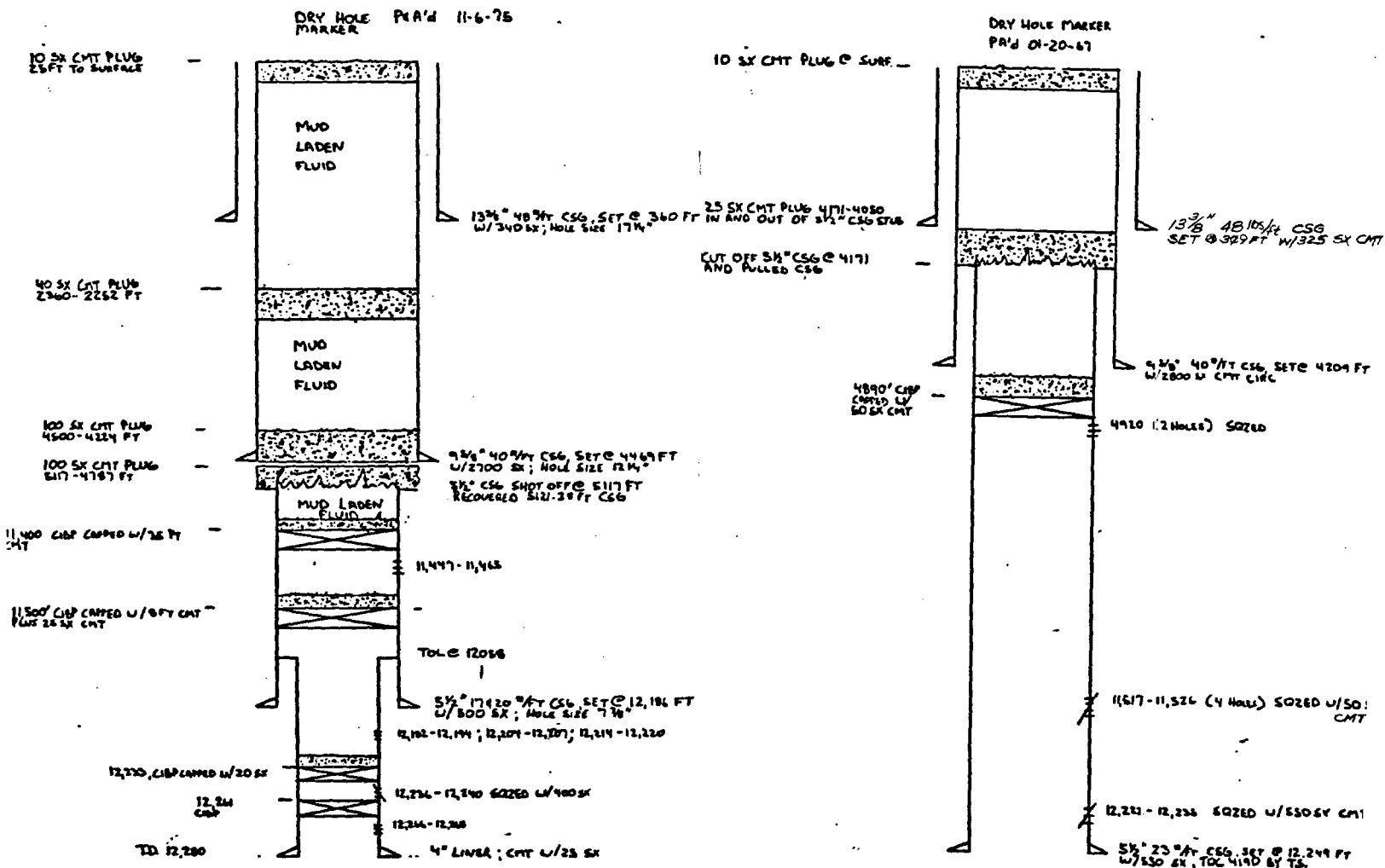
Operator - Oil Development Company of Texas

1C	23-9S-36E	7-5-57	12,280'
----	-----------	--------	---------

Sketch of Plugging Detail Found in Attachments

OIL DEVELOPMENT COMPANY OF TEXAS  
SANTA FE PACIFIC RR - 23 ; WELL #1  
CROSSROADS FIELD  
LEA COUNTY, NEW MEXICO  
UNIT M- SEC 23- TWP 9-S- RGE 36 E

SUNRAY MID-CONTINENT OIL CO.  
NEW MEXICO FEDERAL "D"; WELL #1  
CROSSROADS FIELD  
LEA COUNTY, NEW MEXICO  
UNIT E SEC. 23 TWP-9S RGE-36 E



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
3. Shut-in well overnight and backflow as necessary
4. 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. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : MOBIL  
DATE : 2-8-83  
FIELD, LEASE, WELL : EAST CROSSROADS SANTA FE SWD  
SAMPLING POINT: HOLDING TANK (Injection Water Sample)  
DATE SAMPLED : 2-7-83

SPECIFIC GRAVITY = 1.044  
TOTAL DISSOLVED SOLIDS = 65476  
PH = 6.5

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	140	2805.
MAGNESIUM	(MG)+2	160	1952
SODIUM	(NA), CALC.	845.	19438.
ANIONS			
BICARBONATE	(HCO3)-1	7.2	439.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	38.5	1850
CHLORIDES	(CL)-1	1099.	38991.
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	.03	1.5
HYDROGEN SULFIDE	(H2S)	.01	.2
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)			
IRON(TOTAL)	(FE)		.9
BARIUM	(BA)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

SCALING INDEX	TEMP		
	110C	76.6C	82.2C
	230F	170F	180F
CARBONATE INDEX	2.56	1.26	1.17
CALCIUM CARBONATE SCALING	LIKELY	LIKELY	LIKELY
SULFATE INDEX	-13.	-13.	-13.
CALCIUM SULFATE SCALING	UNLIKELY	UNLIKELY	UNLIKELY

# Mobil Producing Texas & New Mexico Inc.

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

RECEIVED  
MAR 7 1983  
O.C.D.  
HOBBS 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 CHARACTERISTICS: Formation - Devonian,  
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 (1/2) one-half mile radius of the well location.

Offset Operators

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

Elk Oil  
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



# Mobil Producing Texas & New Mexico Inc.

March 1, 1983

NINE GREENWAY PLAZA-SUITE 2700  
HOUSTON, TEXAS 77046

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,



J.A. Morris  
Regulatory Engineering Supervisor

SDMarino/ec  
Attachments

cc: NMOCD - Santa Fe

# Mobil Producing Texas & New Mexico Inc.

March 1, 1983

NINE GREENWAY PLAZA, SUITE 2700  
HOUSTON, TEXAS 77046

Elk Oil  
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:

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,



J.A. Morris  
Regulatory Engineering Supervisor

SDMarino/ec  
Attachments

cc: NMOCD - Santa Fe

# Mobil Producing Texas & New Mexico Inc.

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

# Mobil Producing Texas & New Mexico Inc.

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

# Mobil Producing Texas & New Mexico Inc.

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

J.A. Morris  
Regulatory Engineering Supervisor

cc: NMOCD - Santa Fe

D

RECEIVED  
1983

MAR 7 1983  
OFFICE

O.C.D.  
HOBBBS OFFICE

# Mobil Producing Texas & New Mexico Inc.

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,



J.A. Morris  
Regulatory Engineering Supervisor

SDMarino/ec  
Attachments

cc: NMOCD - Santa Fe

MAR 3  
1983

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

I.

Operator Mobil Producing Texas & New Mexico Inc.		
Address 9 Greenway Plaza, Suite 2700, Houston, TX 77046		
Reason(s) for filing (Check proper box)		Other (Please explain)
New Well <input type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	To change Operator name from Mobil Oil Corporation. (Effective Date: 1-1-1980)
Recompletion <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	
Change in Ownership <input type="checkbox"/>		

If change of ownership give name  
and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name Santa Fe Pacific	Well No. 8	Pool Name, including Formation Crossroads Devonian	Kind of Lease State, Federal or Fee	Fee	Lease No.
Location Unit Letter <u>K</u> ; <u>1650</u> Feet From The <u>West</u> Line and <u>1650</u> Feet From The <u>South</u> Line of Section <u>23</u> Township <u>9-S</u> Range <u>36-E</u> , NMPM, <u>Lea</u> County					

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)				
Mobil Pipe Line Company	P. O. Box 900 Dallas, Texas 75221				
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)				
Warren Petroleum Company	P. O. Box 1589 Tulsa, Oklahoma 74102				
If well produces oil or liquids, give location of tanks.	Unit M	Sec. 23	Twp. 9-S	Rge. 36-E	Is gas actually connected? When No-temporarily Abandoned

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
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						Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE		CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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.

Becky Newjahr  
(Signature)

Authorized Agent  
(Title)

October 31, 1979  
(Date)

OIL CONSERVATION COMMISSION

APPROVED DEC 5 1979, 19\_\_\_\_  
BY Jerry Sexton  
Dist. L. Supv.  
TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly 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 out completely for allowable on new and recompleted wells.

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



NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

I. Operator  
Mobil Producing Texas & New Mexico Inc.

Address  
9 Greenway Plaza, Suite 2700, Houston, TX 77046

Reason(s) for filing (Check proper box)

New Well	<input type="checkbox"/>	Change in Transporter of:		Other (Please explain)
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>	To change Operator name from Mobil Oil Corporation.
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>	(Effective Date: 1-1-1980)
		Dry Gas	<input type="checkbox"/>	
		Condensate	<input type="checkbox"/>	

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name Santa Fe Pacific	Well No. 8	Pool Name, including Formation Crossroads Devonian	Kind of Lease State, Federal or Fee	Lease No.
Location Unit Letter <u>K</u> : <u>1650</u> Feet From The <u>West</u> Line and <u>1650</u> Feet From The <u>South</u>				
Line of Section <u>23</u> Township <u>9-S</u> Range <u>36-E</u> , NMPM, <u>Lea</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)			
Mobil Pipe Line Company	P. O. Box 900 Dallas, Texas 75221			
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)			
Warren Petroleum Company	P. O. Box 1589 Tulsa, Oklahoma 74102			
If well produces oil or liquids, give location of tanks.	Unit M	Sec. 23	Twp. 9-S	Rge. 36-E
Is gas actually connected? <input type="checkbox"/> When <input type="checkbox"/> No-temporarily Abandoned				

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
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							Depth Casing Shoe		
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE		CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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.

Becky Newman  
(Signature)  
Authorized Agent  
(Title)  
October 31, 1979  
(Date)

OIL CONSERVATION COMMISSION

APPROVED DEC 5 1979, 19\_\_\_\_  
BY Jerry Sexton  
TITLE Dist. L. Supv.

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly 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 out completely for allowable on new and recompleted wells.

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

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease
State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator <b>Mobil Oil Corporation</b>	8. Farm or Lease Name <b>Santa Fe Pacific</b>
3. Address of Operator <b>Box 633, Midland, Texas 79701</b>	9. Well No. <b>8</b>
4. Location of Well UNIT LETTER <b>K</b> <b>1650</b> FEET FROM THE <b>West</b> LINE AND <b>1650</b> FEET FROM THE <b>South</b> LINE, SECTION <b>23</b> TOWNSHIP <b>9-S</b> RANGE <b>36-E</b> NMPM.	10. Field and Pool, or Wildcat <b>Crossroads Devonian</b>
15. Elevation (Show whether DF, RT, GR, etc.) <b>4036 DF</b>	12. County <b>Lea</b>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input checked="" type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Temporarily abandon effective 7-1-75.

Hold for a salt water disposal well for Crossroads Devonian Field.

Expires 6/3/76

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED John Runyan TITLE Authorized Agent DATE 7-1-75

Orig. Signed by  
John Runyan  
Geologist

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE JUL 3 1975

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

1. Indicate Type of Lease <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee		5. State Oil & Gas Lease No.	
7. Unit Agreement Name		8. Farm or Lease Name	
9. Well No.		10. Field and Pool, or Wildcat	
11. Location of Well		12. County	
13. Name of Operator		14. Address of Operator	
15. Elevation (Show whether DF, RT, GR, etc.)		16. Township	
17. Range		18. Section	
19. Line and		20. Feet from the	
21. West		22. 1650	
23. 36-E		24. 9-5	
25. 4036 DF		26. Lea	

SUNDRY NOTICES AND REPORTS ON WELLS

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

<input type="checkbox"/> PERFORM REMEDIAL WORK <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER	<input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> OTHER	<input type="checkbox"/> REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPS. <input type="checkbox"/> CASING TEST AND CEMENT JOBS <input type="checkbox"/> OTHER	<input type="checkbox"/> ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> OTHER
--	--	---	---

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated date of starting any proposed work) SEE RULE 1103.

Temporarily abandon effective 7-1-75.

Hold for a salt water disposal well for Crossroads Devonian Field.

*Signature 6/3/76*

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <i>[Signature]</i>	TITLE Authorized Agent	DATE 7-1-75
APPROVED BY John Runyan Geologist	TITLE Geologist	DATE JUL 8 1975

CONDITIONS OF APPROVAL, IF ANY:

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

FILE	
U.S. GEOLOGICAL SURVEY	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRODUCTION OFFICE	

Operator  
Mobil Oil Corporation

Address  
P. O. Box 633, Midland, Texas 79701

Reason(s) for filing (Check proper box)

New Well	<input type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input checked="" type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

Other (if/lease explain)

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Santa Fe Pacific	Well No. 8	Pool Name, Including Formation Crossroads Devonian	Kind of Lease State, Federal or Fee	Fee
Location				
Unit Letter K	1650	Feet From The West	Line and 1650	Feet From The South
Line of Section 23	Township 9-S	Range 36-E	NMPM	Lea

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Mobil Pipe Line Company	P. O. Box 900, Dallas, Texas 75221
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Warren Petroleum Company	P. O. Box 1589, Tulsa, Oklahoma 74102
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
M 23 9-S 36-E	Yes March 20, 1973

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Fresh	Drill. Reat
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, FAB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Testing Depth					
Perforations	Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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.

Authorized Agent  
(Signature)  
March 15, 1973  
(Date)

OIL CONSERVATION COMMISSION

APPROVED \_\_\_\_\_, 19\_\_\_\_

BY \_\_\_\_\_  
Chg. Signed by  
Joe L. Smith  
TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 110A.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of well name or number, or transporter, or other such change of data.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
DATE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	4. Indicate Type of Lease State <input type="checkbox"/> For <input checked="" type="checkbox"/>
2. Name of Operator Mobil Oil Corporation	5. State Oil & Gas Lease No.
3. Address of Operator P. O. Box 633, Midland, Texas 79701	6. Unit Agreement Name
4. Location of Well UNIT LETTER <u>K</u> <u>1650</u> FEET FROM THE <u>West</u> LINE AND <u>1650</u> FEET FROM THE <u>South</u> LINE, SECTION <u>23</u> TOWNSHIP <u>9S</u> RANGE <u>36E</u> NMPM.	7. Farm or Lease Name Santa Fe Pacific
15. Elevation (Show whether DF, RT, GR, etc.) 4036' IF	8. Well No. 8
	9. Field and Pool, or Whichever Crossroads Dev. Pool
	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

SANTA FE PACIFIC #8, Crossroads Dev Fld, Lea Co, N.M. OBJECTIVE: Check for csg leak & repair, treat well to improve production. AFE 2624 - Mobil Intr 1003 - Est Cost \$8100.

10/5/67 12,231 TD, Dev (12,176-181) OH (12,192-231).  
MERU Baber Well Serv DD Unit, bleed press off well, inst'l BOP, pulled 113 doubles of 2-7/8 tbg & SD for nite.

10/6 SANTA FE PACIFIC #8, 12,231 TD.  
Finish pulling tbg, pkr & pump, ran Howco ret BP & RTTS pkr on tbg, set BP @ 12,135, tested BP w/ 2000#, 30 min/ok, displ oil w/ wtr. SD for nite. Prep to check for csg leak.

10/7 SANTA FE PACIFIC #8, 12,231 TD.  
Tested 5 1/2" liner from 12,125 back to 4950 w/ 3000#/ok, no leak, press up on 8-5/8 csg, leaked back into surface csg, pulled tbg & pkr, SD for nite, prep to remove wellhead & check for leak.

10/9 Remove wellhead, inst'l 8" BOP & spool, ran RTTS pkr, tested 8-5/8 csg to 2000#, found leak in 8-5/8 csg in slip area, remove BOP's & spool, attempted to weld csg to fix leak, weld would not hold, prep to cut csg off & repair.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED [Signature] TITLE Authorized Agent DATE 1-15-68

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

10/10 SANTA FE PACIFIC #8, 12,231 TD.  
Cut off 5" 8-5/8" csg & old welding ring, welded on new piece csg & new ring, inst'l LOP's, tested csg w/ 1500#/30 min. k. Howco then set 10x of cement between 8-5/8 & 13-3/8 csg. Job compl @ 3:00 p.m. 10/9/67, Ran 110 stands of tbg w/ ret head in hole. SD for nite.

10/11 SANTA FE PACIFIC #8, 12,231 TD.  
Finish running ret head to 12,125, ret BP, pulled tbg & BP, rerun tbg w/ KITS pkr to 12,125. SD for nite. Prep to treat Devonian.

10/12 SANTA FE PACIFIC #8, 12,231 TD.  
Finish running ret head to 12,125, ret BP, pulled tbg & BP, rerun tbg w/ KITS pkr to 12,125. SD for nite. Prep to treat Devonian.

10/13 SANTA FE PACIFIC #8, 12,231 TD, Dev (12,176-181) OH zone (12,192-231).  
S 5 BNO + 200 BLW/11 1/2 hrs, 10,000' FIH, S 18 BW w/ trace oil. L hr, SD for night.

10/18 SANTA FE PACIFIC #8, 12,231 TD.  
P 30 BNO + 420 BSW/24 hrs, estimated - unable to test.

10/14 SANTA FE PACIFIC #8, 12,231 TD (12,176-181), OH zone (12,192-231)  
Pulled tbg & KITS pkr, ran Baker lockset pkr & Sargent hydraulic pump on 377 Jts 2-3/8 N80 tbg, tbg @ 11,810, Baker 5 1/2" lockset pkr w/ on & off sealing connection @ 11,796, Sargent 4" x 3-5/16 x 2 1/4" 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 Prod Foreman.

10/17 SANTA FE PACIFIC #8, 12,231 TD, Dev (12,176-181), OH zone (12,192-231).  
Est pumping test: P 8 BNO + 220 BSW/12 hrs.

10/19 SANTA FE PACIFIC #8, 12,231 TD.  
P 72 BNO + 408 BSW/24 hrs - actual test.

10/20 SANTA FE PACIFIC #8, 12,231 TD.  
P 40 BNO + 612 BSW/24 hrs - actual test.  
To pump for approx one week and retest.

10/30 SANTA FE PACIFIC #8, 12,231 TD.  
Pumped 924 BW per day - will retest w/ large Kobe plungers.

10/31 SANTA FE PACIFIC #8, 12,231 TD.  
Testing.

11/1 SANTA FE PACIFIC #8, 12,231 TD.  
Testing.

11/2 SANTA FE PACIFIC #8, 12,231 TD.  
Testing.

11/3/67 SANTA FE PACIFIC #8, 12,231 TD.  
Pump @ rate of no oil + 7 1/4 BSW per hr.  
Drop from report - Prep to investigate Reda pump.

12/19 SANTA FE PACIFIC #8, 12,231 TD.  
Reda pump installed Dec 8, 1967 - testing.

12/20 SANTA FE PACIFIC #8, 12,231 TD.  
Testing.

12/21 SANTA FE PACIFIC #8, 12,231 TD.  
Testing - DROP from rpt until 12/27/67.

12/27/67 SANTA FE PACIFIC #8, 12,231 TD.  
P 91 BNO + 2496 BW w/ Reda Pump/ 24 hrs. Fluid level at 2380'.  
FINAL REPORT.

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Form O-105  
Supersedes Old  
O-102 and O-103  
Effective 1-1-65

Oil Well Type of Lease	
Oil Well Type of Lease	

## SUNDY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL ON TO DEEPER OR PLUG BACK TO A DIFFERENT RESERVOIR.  
SEE "APPLICATION FOR PERMIT TO DRILL" (FORM O-101) FOR SUCH PROPOSALS.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	7. Oil Well Agreement Number
2. Name of Operator Mobil Oil Corporation	8. Name of Lessee Mobil Oil Corporation
3. Address of Operator P. O. Box 633, Midland, Texas 79701	9. Well No.
4. Location of Well UNIT LETTER <u>K</u> <u>1350</u> FEET FROM THE <u>Well</u> LINE AND <u>1350</u> FEET FROM THE <u>South</u> LINE, SECTION <u>23</u> TOWNSHIP <u>9S</u> RANGE <u>6SE</u> N.M.P.M.	10. From the <u>Well</u> of Well No. <u>1350</u>
11. Elevation (Show whether DF, RT, GR, etc.) DF 4035'	12. County Dall.

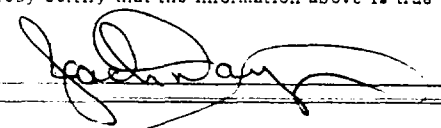

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
OTHER <input type="checkbox"/>			

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work; SEE RULE 1103.

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

	TITLE <u>Authorized Agent</u>	DATE <u>10-3-67</u>
APPROVED BY 	TITLE <u></u>	DATE <u></u>
CONDITIONS OF APPROVAL, IF ANY:		

NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
STATE	
FULL	
C.E.O.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103  
(Rev 3-55)

## MISCELLANEOUS REPORTS ON WELLS

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

Name of Company <b>Socony Mobil Oil Company, Inc.</b>		Address <b>Box 1800, Hobbs, New Mexico</b>			
Lease <b>Santa Fe Pacific</b>	Well No. <b>8</b>	Unit Letter <b>K</b>	Section <b>23</b>	Township <b>9 S</b>	Range <b>36 E</b>
Date Work Performed <b>1/21 thru 3/4/64</b>	Pool <b>Crossroads Devonian</b>			County <b>Lea</b>	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☐ Other (Explain):
- ☐ Plugging
 ☒ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

Moved in & rigged up Bateman & Whitsit Unit. Pulled 2" tbg. & pump. PGAC attempted to run Corr. log, stopped @ 12,144'. Ran 4 3/4" bit on two 3 1/2" DC & csg. scraper to 12,087'. Clean out 12,132-12,144'. Pulled DC & bit, left two cones in hole. Ran 2 3/8" tbg. w/1 jt. 4" FJ wash pipe & 4 1/2" x 2 15/16" shoe. Washed over fish 12,144-12,162'. Pulled tbg. & wash pipe. Rec. 16' Axelson pump. Ran 4 1/8" Bowen OS, 2 3/4" Grapple on 4 - 3 1/2" DC to top of fish @ 12,162', could not catch. Ran 4" Imp blk., no picture. Ran 4 1/2" x 3 3/4" ID Clusterite shoe, 1 jt. WP, 4 1/2" T-dog OS, 4 DC, washed 12,162-12,186. Pulled WP & rec. 1 jt. 2 1/2" tbg., 2 1/2" tbg. perf. nipple & pump seating shoe. Ran wash pipe, washed over fish 12,186-12,216'. Pulled WP. Ran 4 11/16" OS w/ 3 5/8" Grapple, caught fish @ 12,186'. Jarred on fish 2 1/2 hrs. Rec. 3 5/8" OD x 22' Axelson pump, standing valve, 3' perf. nipple. Ran 4 3/4" bit, 4-3 1/2" DC & cleaned out 12,219-12,231'. Pulled bit to 12,190', HOWCo. acidized open hole 12,192-12,231' w/1500 gals. 15% NE Acid. TP 4000-2700#. Rate 2.6 BPM. ISIP 2300#. SI 14 hrs. TP Vac. Pulled tbg. & bit. Ran 2" tbg. to 11,427', tbg. perfs. 11,424-11,427', Guib. L-30 pkr. @ 11,392', Sargent pump 11,357-11,388', Kobe check valve 11,320', circ. sub. 11,290'. Released Bateman & Whitsit Unit 2/7/64. Pumped 428 BLO + 193 BNO + 36 BAW + 1722 BLW + 2489 PSW in 256 hrs.

- Continued on page #2 -

Witnessed by <b>J. R. Short</b>	Position <b>Drilling Foreman</b>	Company <b>Socony Mobil Oil Company, Inc.</b>
------------------------------------	-------------------------------------	--

### FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

#### ORIGINAL WELL DATA

D F Elev. <b>4036'</b>	TD <b>12,231'</b>	PBTD <b>-</b>	Producing Interval <b>12,192-12,231'</b>	Completion Date <b>11/10/57</b>
Tubing Diameter <b>2"</b>	Tubing Depth <b>11,926'</b>	Oil String Diameter <b>5 1/2"</b>	Oil String Depth <b>12,192'</b>	

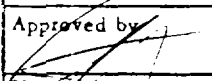
Perforated Interval(s) <b>-</b>	Open Hole Interval <b>12,192 - 12,231'</b>	Producing Formation(s) <b>Devonian</b>
------------------------------------	---	---

#### RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover	<b>1/2/64</b>	<b>90</b>	<b>TSTM</b>	<b>365</b>	<b>TSTM</b>	<b>-</b>
After Workover	<b>2/1/64</b>	<b>129</b>	<b>TSTM</b>	<b>52E</b>	<b>TSTM</b>	<b>-</b>

#### OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved by 	Name <b>J. J. McDaniel</b>
Title <b>Group Supervisor</b>	Position <b>Group Supervisor</b>
Date	Company <b>Socony Mobil Oil Company, Inc.</b>



Socony Mobil Oil Company, Inc.  
Santa Fe Pacific #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 5½" liner @ 12,186', perf. 5½" liner 12,176-12,181 w/1 JSPP. 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" OS + 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/Guib. 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

it this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be sent to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission 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 Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE	X	NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE	X	NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Hobbs, New Mexico

January 20, 1964

(Place)

(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the  
**Socony Mobil Oil Company, Inc.** **Santa Fe Pacific** **8** **K**  
 Well No. in (Unit)  
 NE SW (Company or Operator) **23** **9 S** **36 E** **Crossroads Devonian**  
 1/4 (40-acre Subdivision) 1/4 of Sec. T. R. NMPM. Pool  
**Lea** County.

**FULL DETAILS OF PROPOSED PLAN OF WORK**  
 (FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

TD: 12,231'  
 Csg: 8 5/8" @ 5,000' w/3375 sx., 5 1/2" liner 4,795-12,192' w/835 sx.  
 Perfs: Open hole 12,192 - 12,231'

Propose to move in and rig up unit. Pull tubing & pump. Run CR Collar log 11,600 - 12,231'. Perf. 5 1/2" liner 12,176 - 12,186' w/1 JSPP (Schlumberger CR-1 open hole log dated 10/29/57). Set Baker Model D plkr. w/extendable plug. Remove flapper valve in 5 1/2" liner @ 12,188'. Run 2" tbg. w/plkr and acidize perfs. 12,176 - 12,186' w/1000 gals 20% HF Acid. Swab test. Return to production from Devonian Perfs. and open hole section.

Approved....., 19.....  
 Except as follows:

Approved  
 OIL CONSERVATION COMMISSION

By.....  
 Title.....

Socony Mobil Oil Company, Inc.

Company or Operator

By.....

Group Supervisor

Position.....

Send Communications regarding well to:

Socony Mobil Oil Company, Inc.

Name.....

Box 1800, Hobbs, New Mexico

Address.....

NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS**

**FORM C-110**  
(Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE **10 05**

Company or Operator **Soco Mobil Oil Company, Inc.** Lease **Santa Fe Pac** Well No. **3**

Unit Letter **K** Section **23** Township **9S** Range **36E** County **Lea**

Pool **Crosroads Devonian** Kind of Lease (State, Fed, Fee) **Fee**

If well produces oil or condensate give location of tanks Unit Letter **SW/4** Section **23** Township **9S** Range **36E**

Authorized transporter of oil ☒ or condensate ☐ Address (give address to which approved copy of this form is to be sent)  
**Magnolia Pipe Line Company** **Box 900, Dallas 21, Texas**

Is Gas Actually Connected? Yes ☐ No ☒

Authorized transporter of casing head gas ☐ or dry gas ☐ Date Connected Address (give address to which approved copy of this form is to be sent)

If gas is not being sold, give reasons and also explain its present disposition:

**None available**

**REASON(S) FOR FILING (please check proper box)**

New Well ☐ Change in Ownership ☐  
Change in Transporter (check one) Other (explain below) ☒  
Oil ☐ Dry Gas ☐  
Casing head gas ☐ Condensate ☐

Remarks **This C-110 filed to change lease name and well number for purpose of consolidation effective January 1, 1963.**

**Old lease name: Santa Fe Pac "E", Well #2**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the **28th** day of **January**, 19 **63**.

OIL CONSERVATION COMMISSION	By
	<i>J. J. McDaniel</i>
Approved by	Title
<i>[Signature]</i>	<b>Group Supervisor</b>
Title	Company
	<b>Soco Mobil Oil Company, Inc.</b>
Date	Address
	<b>Box 2406, Hobbs, New Mexico</b>

## NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103

(Rev 3-55)

## MISCELLANEOUS REPORTS ON WELLS

HOBBS OFFICE OCC

(Submit to appropriate District Office as per Commission Reg. 1706)

1960 AUG 4 AM 9:43

Name of Company <b>Socony Mobil Oil Company, Inc.</b>			Address <b>P. O. Box 2406, Hobbs, New Mexico</b>			
Lease <b>Santa Fe Pac "E"</b>	Well No. <b>2</b>	Unit Letter <b>K</b>	Section <b>23</b>	Township <b>9-8</b>	Range <b>36-E</b>	
Date Work Performed <b>7-11-60 to 7-16-60</b>	Pool <b>Crossroads</b>			County <b>Lea</b>		

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations    ☐ Casing Test and Cement Job    ☐ Other (Explain):  
☐ Plugging    ☒ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

Pulled rods, pump & tbg. Ran 2½" tbg to 12,056 w/H.W. pkr @ 12,052. BJ acid open hole 12,192-231 w/1000 gals 15%, break down TP 1800#, CP 1000#, Treating TP 1800-2100-3000, CP 1000-2000-1500, Rate 2.5 BPM. Immediate SITP 3000, CP 2000, 5 min SITP 1600, CP 1500. Flowed 15 BLO in 9 hrs., TP 1600-0, CP 1500-1500. Pulled tbg & pkr. Ran 2½" tbg to 6521' w/anchor 6491-6521', tbg perfs 6491-95, hold down @ 6491', seating nipple @ 6487'. Ran rods & pump. Pumped 99 BLO + 24 BAW + 121 BNO in 11 hrs.

Witnessed by <b>E. D. Hughes</b>	Position <b>Drig. Foreman</b>	Company <b>Socony Mobil Oil Company, Inc.</b>
-------------------------------------	----------------------------------	--

## FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

## ORIGINAL WELL DATA

D F Elev. <b>4026</b>	T D <b>12,231</b>	P BTD <b>--</b>	Producing Interval <b>12,192-231</b>	Completion Date <b>11-10-57</b>
Tubing Diameter <b>2"</b>	Tubing Depth <b>11,926'</b>	Oil String Diameter <b>5½"</b>	Oil String Depth <b>12,192'</b>	

Perforated Interval(s)

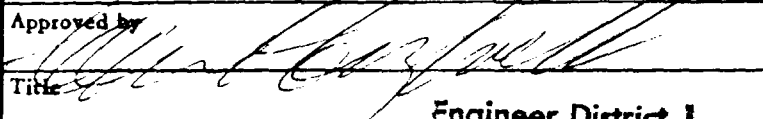

Open Hole Interval <b>12,192-231</b>	Producing Formation(s) <b>Devonian</b>
---	---

## RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover	<b>June</b>	<b>50</b>	<b>--</b>	<b>340</b>	<b>TSTM</b>	<b>--</b>
After Workover	<b>7-28-60</b>	<b>79</b>	<b>--</b>	<b>521</b>	<b>TSTM</b>	<b>--</b>

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved by 	Name 
Title <b>Engineer District I</b>	Position <b>District Superintendent</b>
Date <b>AUG 4 1960</b>	Company <b>Socony Mobil Oil Company, Inc.</b>

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 Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE	X	NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Hobbs, New Mexico

(Place)

June 7, 1960

(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the.....

**Socony Mobil Oil Company, Inc.** Santa Fe Pac. "E" Well No. 2 in **M K**  
(Company or Operator) Lease (Unit)  
**SW**  $\frac{1}{4}$  **SW**  $\frac{1}{4}$  of Sec. 23, T. 9 S, R. 36 E, NMPM., Crossroads Pool  
(40-acre Subdivision)  
**Lea** County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

TD: 12,231'

Propose to pull rod and tbg. Set Guiberson L-30 pkr. @ 12,050' and acidize formation w/1000 gals. Ex. LST acid. Pull tbg. and pkr. and run tbg. and rods.

Approved....., 19.....  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION

By.....  
Title.....

**Socony Mobil Oil Company, Inc.**

Company or Operator

By **John F. Hurd**

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  
SANTA FE, NEW MEXICO

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

NOV 11 1959

Company or Operator Socony Mobil Oil Company, Inc. Lease Santa Fe Pac "E"

Well No. 2 Unit Letter K S 23 T 9S R 36E Pool Crossroads

County Lea Kind of Lease (State, Fed. or Patented) Patented

If well produces oil or condensate, give location of tanks: Unit SW/4S 23 T 9S R 36E

Authorized Transporter of Oil or Condensate Magnolia Pipe Line Company

Address Box 511, Brownfield, Texas  
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas \_\_\_\_\_

Address \_\_\_\_\_ Date Connected \_\_\_\_\_  
(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Flared

Reasons for Filing: (Please check proper box) New Well ( )

Change in Transporter of (Check One): Oil ( ) Dry Gas ( ) C'head ( ) Condensate ( )

Change in Ownership ( ) Other (X)

Remarks: \_\_\_\_\_ (Give explanation below)

Change name of Operator from Magnolia Petroleum Company

Effective October 1, 1959.

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 1st day of October 19 59

By [Signature]

Approved NOV 24 1959 19

Title District Superintendent

OIL CONSERVATION COMMISSION

Company Socony Mobil Oil Company, Inc.

By [Signature]

Address Box 2406

Title \_\_\_\_\_

Hobbs, New Mexico

Engineer District I

NEW MEXICO OIL CONSERVATION COMMISSION  
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)<sup>22</sup>

COMPANY Magnolia Petroleum Company, Box 2406, Hobbs, New Mexico  
(Address)

LEASE Santa Fe Pacific "E" WELL NO. 2 UNIT K S 23 T 9 S R 36 E

DATE WORK PERFORMED 7/29/57 POOL Cross roads

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations

☐ Remedial Work

☐ Plugging

☐ Other \_\_\_\_\_

Detailed account of work done, nature and quantity of materials used and results obtained.

Set 5000' of 8 5/8" csg. on bottom, cemented w/3375 sks., circulated. Plug down 6:15 P. M., July 29, 1957. WOC 48 hours. Tested 8 5/8" csg. w/1200# for 30 minutes before and after drilling plug, held OK.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. \_\_\_\_\_ TD \_\_\_\_\_ PBD \_\_\_\_\_ Prod. Int. \_\_\_\_\_ Compl Date \_\_\_\_\_

Tbng. Dia \_\_\_\_\_ Tbng Depth \_\_\_\_\_ Oil String Dia \_\_\_\_\_ Oil String Depth \_\_\_\_\_

Perf Interval (s) \_\_\_\_\_

Open Hole Interval \_\_\_\_\_ Producing 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 _____		

(Company)

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name [Signature]

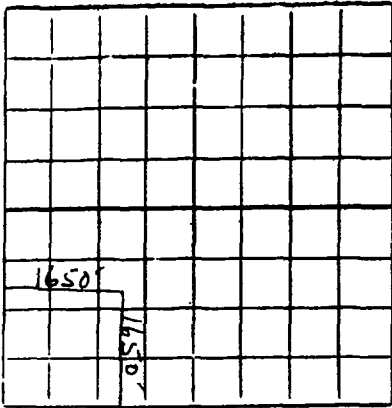
Name [Signature]

Title \_\_\_\_\_

Position District Superintendent

Date \_\_\_\_\_

Company Magnolia Petroleum Company



AREA 640 ACRES  
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

1957 NOV 14 PM 2:49  
WELL RECORD

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

MAGNOLIA PETROLEUM COMPANY  
(Company or Operator)

Santa Fe Pacific "E"  
(Lease)

Well No. 2, in NE 1/4 of SW 1/4, of Sec. 23, T. 9S, R. 36E, NMPM.

Undesignated Pool, Lea County, Lea County.

Well is 1650 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 14, 1957. Drilling was Completed November 6, 1957.

Name of Drilling Contractor Magnolia Petroleum Company - Rig No. 22

Address P. O. Box 633, Midland, Texas

Elevation above sea level at Top of Tubing Head 4026. The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 4843 to 4910 No. 4, from to

No. 2, from 9662 to 9678 No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 190 to 440 feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8"	48#	New	431'				Surface String
8-5/8"	32#	New & Used	5000'				Intermediate String
5-1/2" Liner	17# & 20#	New	7397'			Open Hole 12172-12231	Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2"	13-3/8"	431'	435	P & P		
11"	8-5/8"	5000'	3375	P & P		
6-1/8"	5-1/2"	12192'	535	P & P		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

SEE ATTACHMENT

Result of Production Stimulation

Depth Cleaned Out



**RECORD OF DRILL-STEM AND SPECIAL TESTS**

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

**TOOLS USED**

Rotary tools were used from 0 feet to 12231 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

**PRODUCTION**

Put to Producing November 11, 1957

OIL WELL: The production during the first 24 hours was 315 barrels of liquid of which 100 % was  
was oil; 0 % was emulsion; 0 % water; and 0 % was sediment. A.P.I.  
Gravity 44

GAS WELL: The production during the first 24 hours was \_\_\_\_\_ M.C.F. plus \_\_\_\_\_ barrels of  
liquid Hydrocarbon. Shut in Pressure \_\_\_\_\_ lbs.  
Length of Time Shut in \_\_\_\_\_

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico			Northwestern New Mexico		
		<b>Woodford</b>			
T. Anhy.	<u>2232</u>		T. Devonian.	<u>12075</u>	
T. Salt.	<u>2353</u>		T. Silurian.	<u>12181</u>	
B. Salt.	<u>2724</u>		T. Montoya.		
T. Yates.	<u>2830</u>		T. Simpson.		
T. 7 Rivers.			T. McKee.		
T. Queen.	<u>3577</u>		T. Ellenburger.		
T. Grayburg.			T. Gr. Wash.		
T. San Andres.	<u>4114</u>		T. Granite.		
T. Glorieta.	<u>5553</u>		T. _____		
T. Drinkard.			T. _____		
T. Tubbs.	<u>6940</u>		T. _____		
T. Abo.	<u>7714</u>		T. _____		
<b>Pernox</b> Penn.	<u>8999</u>		T. _____		
T. <del>ms.</del> Rough "C"	<u>9662</u>		T. _____		
<b>Miss</b>	<u>11722</u>		T. _____		

**FORMATION RECORD**

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	60	60	Caliche, clay & sand	6008	6284	276	Lime, shale & salt break
60	394	334	Red bed	6284	6380	96	Lime & dolomite
394	780	386	Red bed & red rock	6380	6492	112	Lime
780	1050	270	Red bed & shells	6492	6605	113	Lime, shale & salt breaks
1050	1425	375	Red rock, shells & anhy.	6605	6753	148	Lime & dolomite
1425	1810	385	Red bed & shale	6753	7720	967	Lime
1810	1932	122	Red bed, shale & red rock	7720	7748	28	Lime & shale breaks
1932	2310	378	Red rock & anhy	7748	7970	222	Shale
2310	2646	336	Red bed, red rock & anhy	7970	8255	285	Lime & shale
2646	2957	311	Salt, shale & anhy	8255	8301	46	Shale
2957	3260	303	Salt, shale, anhy & red rock	8301	8357	56	Shale & lime
3260	3469	209	Salt, shale & anhy	8357	8383	26	Shale
3469	3625	156	Anhy & red rock	8383	8406	23	Shale, anhy & lime
3625	3822	197	Salt, shale & anhy	8406	8449	43	Lime & shale
3822	4125	303	Red rock & anhy	8449	8467	18	Lime
4125	4514	389	Lime & anhy	8467	8529	62	Lime & shale
4514	4556	42	Lime & shale	8529	9650	1121	Lime
4556	4625	69	Lime	9650	9836	186	Lime & shale
4625	4681	56	Lime & shale	9836	9877	41	Lime
4681	4775	94	Lime & anhy	9877	9902	25	Lime & shale
4775	5000	225	Lime	9902	10227	325	Lime
5000	5121	121	Lime & dolomite	10227	10260	33	Lime & shale
5121	5550	429	Lime	10260	10844	584	Lime
5550	5800	250	Lime, shale & salt break	10844	10868	24	Lime & shale
5800	6008	208	Lime & dolomite				(Continued on Attached Sheet)

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 Magnolia Petroleum Company Address P. O. Box 2406, Hobbs, New Mexico  
Name [Signature] Position or Title District Superintendent

FORMATION RECORD (Continued)

<u>From</u>	<u>To</u>	<u>Thickness in Feet</u>	<u>Formation</u>
10868	10957	89	Lime
10957	10965	8	Sand
10965	11006	41	Lime & shale
11006	11021	15	Lime
11021	11092	71	Lime & shale
11092	11140	48	Lime
11140	11185	45	Lime & shale
11185	11232	47	Lime
11232	11248	16	Lime & shale
11248	11263	15	Lime
11263	11352	89	Lime & shale
11352	11400	48	Lime
11400	11437	37	Lime & sandy shale
11437	11450	13	Lime
11450	11495	45	Lime, shale & sand
11495	11533	38	Shale & lime
11533	11571	38	Lime
11571	11650	79	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	Chert
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	12120	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 DEVIATION SURVEY

<u>Depth</u>	<u>Degrees Off Vertical</u>	<u>Depth</u>	<u>Degrees Off Vertical</u>	<u>Depth</u>	<u>Degrees Off Vertical</u>
145	1/4	7866	1	10821	1/4
242	3/4	8109	3/4	10832	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	4
1300	3/4	8591	3/4	11248	4
1480	1	8691	1/4	11309	3-3/4
1775	3/4	8794	1/2	11352	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	1-1/4	11695	3-1/2
3360	3/4	9475	1	11720	3
3656	1	9554	1	11747	3-1/2
4153	3/4	9770	2-1/4	11790	4
4280	3/4	9836	2	11826	4-1/2
4406	1/2	9970	1-1/8	11877	5-1/2
4520	1/2	10150	1	11898	5-3/4
4681	1	10260	1	11945	6
5838	1/4	10371	3/4	11979	6
6286	1/4	10504	3/4	12120	6-1/2
6492	1/4	10637	1/4	12138	6-1/2
7387	1/4	10721	1/4	12166	7
7748	1				

CORE RECORD

<u>No.</u>	<u>Top</u>	<u>Bottom</u>	<u>Rec.</u>	<u>Description</u>
1 (Bough "C")	9650	9705	55'	9650-9679 1/2 - 29 1/2' lime & shale, no show. 9679 1/2 - 9682 - 2 1/2' - trace to 20% vuggy to ph porosity - good stain - lt. blue to yellow flo - good cut - no odor. 9682-9705 - 23' lime & shale - no show.
2	12194	12221	3'	Cut 27' - recovered 3' fras dolo. w/trace seat. pp poro., poor show of blue white flo, trace stain - poor show.
3	12221	12226	1 1/2'	Cut 5' - recovered 1 1/2' dolomite, no show + cl junk.
4	12226	12231	5'	12226-12227 - 1' dolomite, trace small vuggy poro., good odor. 12227-12228 - 1' dolomite, no show. 12228-12229 - 1' dolomite w/trace small vuggy poro., good odor, 2' lost.

DRILL STEM TESTS

<u>No.</u>	<u>Date</u>	<u>From</u>	<u>To</u>	<u>No., Kind &amp; Size or Open Hole</u>	<u>Tool Set @</u>	<u>Choke Top Bottom</u>	<u>Water Cushion</u>	<u>Time Tested</u>
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 0#, BHFP 55-333# - 30 minutes. SIP 2630# - HH 5310-5285.							
2	9-9-57	9668	9705	Open Hole	9668	5/8" 1"	None	1 1/2 hrs.
	(Bough "C") Recovered 100' drlg. mud - no show - SFP 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)

<u>No.</u>	<u>Date</u>	<u>From</u>	<u>To</u>	<u>No., Kind &amp; Size or Open Hole</u>	<u>Tool Set @</u>	<u>Choke Top Bottom</u>	<u>Water Cushion</u>	<u>Time Tested</u>
4	10-28-57	12190	12221	Open Hole	12190	5/8" 1"	None	2 hrs.

(Devonian) Nothing to surface. Recovered 100' of heavy oil cut drlg. mud + 1 qt. free oil - no water. SFP 0# - bottom hole flowing pressure 0-35# - 30 mins. SIP 365# - Hydrostatic Head 6370-6335#.

ACIDIZING RECORD

11-10-57 Cardinal Chemical Company acidized open hole 12172-12231 w/1000 gals. 15% regular acid. TP 4500-5200-1800#. 144 BPM. 5 Min. SIP 1000# - flow 48 bbls. load oil + 24 bbls. acid water in 3 1/2 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, .2 of 1% BS.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

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

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
Recompletion

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 to 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 filed during 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. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico  
(Place)

November 13, 1957  
(Date)

WE ARE HEREBY REQUESTING 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)

K, Sec. 23, T. 9-S, R. 36-E, NMPM, Crossroads (Devonian) Pool  
Unit Letter

Lea

County. Date Spudded. 7-11-57 Date Drilling Completed 11-10-57

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

36-E

Elevation 4037 D.F. = 4023 G.L. Total Depth 12,231 PBTB -

Top Oil/Gas Pay 12,226 D.F. Name of Prod. Form. Devonian

PRODUCING INTERVAL -

Perforations -

Open Hole 12,192-12,231 Depth Casing Shoe 12,192 Depth Tubing 11,926

OIL WELL TEST -

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 load oil used): 15 bbls. oil, 0 bbls water in 21 hrs, - min. Size 12/64"

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and

sand): 1000 gallons - 15 % IST acid

Casing Tubing 1500 Date first new

Press. 1800 Press. 5000 oil run to tanks 11-11-57

Oil Transporter 1800 Magnolia Pipe Line Company

Gas Transporter

Tubing, Casing and Cementing Record

Size	Feet	Sax
13 3/8"	431	425 Circ.
8 5/8"	5000	3375 Circ.
7 3/8"	7397'	300 Top
5 1/2"	4795' Top	535
	12,192 (Bottom)	(Bottom)

Remarks: Gravity - 44° @ 60° F

Tubing Pressure - 400 psig.

Gas Oil Ratio - 43.5/1

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved November 13, 1957

MAGNOLIA PETROLEUM COMPANY  
(Company or Operator)

OIL CONSERVATION COMMISSION

By: C. T. Evans  
(Signature)

By: [Signature]

Title: District Petroleum Engineer

Send Communications regarding well to:

Title: [Signature]

Name: C. T. Evans

Address: Box 2106 - Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

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 Company Lease Santa Fe Pacific "E"

Well No. 2 Unit Letter K S 23 T 9 S R 36E Pool Crossroads (Devonian)

County Lea Kind of Lease (State, Fed. or Patented) Patented

If well produces oil or condensate, give location of tanks: Unit S 23 T 9 S R 36E

Authorized Transporter of Oil or Condensate Magnolia Pipe Line Company

Address Box 511, Brownfield, Texas

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas \_\_\_\_\_

Address \_\_\_\_\_

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

**Flared**

Reasons for Filing: (Please check proper box) New Well Original Filing (☒)

Change in Transporter of (Check One): Oil ( ) Dry Gas ( ) C'head ( ) Condensate ( )

Change in Ownership ( ) Other ( )

Remarks: \_\_\_\_\_ (Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 14 day of November 19 57

By 

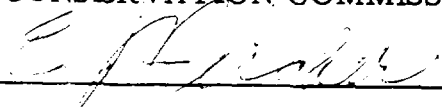
Title District Superintendent

Approved \_\_\_\_\_ 19 \_\_\_\_\_

OIL CONSERVATION COMMISSION

Company Magnolia Petroleum Company

Address Box 2406, Hobbs, New Mexico

By 

Title \_\_\_\_\_

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, Box 2406, Hobbs, New Mexico  
(Address)

LEASE Santa Fe Pacific "E" WELL NO. 2 UNIT K S 23 T 9 S R 36 E

DATE WORK PERFORMED 10/31/57 POOL Crossroads

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations

☐ Remedial Work

☐ Plugging

☐ Other \_\_\_\_\_

Detailed account of work done, nature and quantity of materials used and results obtained.

TD 12221'  
BP @ 12192'

Set 7397' of 5 1/2" liner on BP @ 12192'. Top of liner @ 4795'. Cemented bottom of liner w/535 sks., cement squeeze top of liner w/300 sks. (Total 835 sks). Found top of cement by temperature survey @ 9110'. WOC 48 hours. Tested top of liner w/2000# before & after drilling plug, held ok.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. \_\_\_\_\_ TD \_\_\_\_\_ PBD \_\_\_\_\_ Prod. Int. \_\_\_\_\_ Compl Date \_\_\_\_\_

Tbng. Dia \_\_\_\_\_ Tbng Depth \_\_\_\_\_ Oil String Dia \_\_\_\_\_ Oil String Depth \_\_\_\_\_

Perf Interval (s) \_\_\_\_\_

Open Hole Interval \_\_\_\_\_ Producing 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 \_\_\_\_\_

(Company)

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name [Signature]

Name [Signature]

Title \_\_\_\_\_

Position District Superintendent

Date 5 11

Company Magnolia Petroleum Company

NEW MEXICO OIL CONSERVATION COMMISSION  
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule II06)

COMPANY Magnolia Petroleum Company, Box 2406, Hobbs, New Mexico  
(Address)

LEASE Santa Fe Pacific "E" WELL NO. 2 UNIT K S 23 T 9 S R 36 E  
DATE WORK PERFORMED July 15, 1957 POOL Crossroads

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off  
☐ Beginning Drilling Operations ☐ Remedial Work  
☐ Plugging ☐ Other \_\_\_\_\_

Detailed account of work done, nature and quantity of materials used and results obtained.

Set 431' 13 3/8" csg. @ 431', cemented w/435 sax. circulated. Plug down 4:00 P.M., July 15, 1957. WOC 48 hours. Tested 13 3/8" csg. w/1000# for 30 minutes before and after drilling plug, no break.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. \_\_\_\_\_ TD \_\_\_\_\_ PBD \_\_\_\_\_ Prod. Int. \_\_\_\_\_ Compl Date \_\_\_\_\_  
Tbng. Dia \_\_\_\_\_ Tbng Depth \_\_\_\_\_ Oil String Dia \_\_\_\_\_ Oil String Depth \_\_\_\_\_  
Perf Interval (s) \_\_\_\_\_  
Open Hole Interval \_\_\_\_\_ Producing 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 \_\_\_\_\_

(Company)

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name E. Fischer

Name M. S. Hughes

Title \_\_\_\_\_

Position District Superintendent

Date \_\_\_\_\_

Company Magnolia Petroleum Company



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 UNIT X S 23 T 9-S R 36-E  
DATE WORK PERFORMED July 14, 1957 POOL Crossroads

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off  
☒ Beginning Drilling Operations ☐ Remedial Work  
☐ Plugging ☐ Other \_\_\_\_\_

Detailed account of work done, nature and quantity of materials used and results obtained.

Commenced Drilling 5:00 P.M., July 14, 1957. ( Spud Date )

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. \_\_\_\_\_ TD \_\_\_\_\_ PBD \_\_\_\_\_ Prod. Int. \_\_\_\_\_ Compl Date \_\_\_\_\_  
Tbng. Dia \_\_\_\_\_ Tbng Depth \_\_\_\_\_ Oil String Dia \_\_\_\_\_ Oil String Depth \_\_\_\_\_  
Perf Interval (s) \_\_\_\_\_  
Open Hole Interval \_\_\_\_\_ Producing 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 \_\_\_\_\_

(Company)

OIL CONSERVATION COMMISSION

Name E. H. Fisher  
Title \_\_\_\_\_  
Date \_\_\_\_\_

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name Malcolm H. Smith  
Position District Superintendent  
Company Magnolia Petroleum Company

## 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 QUINTUPPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission. If State Land submit 6 Copies Attach Form G-128 in triplicate to first 3 copies of form C-101

Hobbs, New Mexico

July 12, 1957

(Place)

(Date)

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Gentlemen:

You are hereby notified that it is our intention to commence the Drilling of a well to be known as  
**Magnolia Petroleum Company**

(Company or Operator)

**Santa Fe Pacific "E"**

(Lease)

Well No. **2**, in **K** (Unit) The well is

located **660+1650'** feet from the **West** line and **660+1650'** feet from the

**South**

line of Section **23**, T. **9-S**, R. **36-E**, NMPM.

(GIVE LOCATION FROM SECTION LINE) **Crossroads** Pool, **Lea** County

If State Land the Oil and Gas Lease is No. **-**

If patented land the owner is **U. D. Sawyer**

Address **Crossroads, New Mexico**

We propose to drill well with drilling equipment as follows: **Rotary Only**

The status of plugging bond is **On File**

Drilling Contractor **Magnolia Petroleum Company Rig No. 22**  
**P. O. Box 633**  
**Midland, Texas**

We intend to complete this well in the **Devonian** formation at an approximate depth of **12,300** feet.

### CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Sucks Cement
17 1/2"	13 3/8"	48#	New	500'	500
12 1/4"	8 5/8"	24#	New	4900'	2400
7 7/8"	5 1/2" (Liner)	17# & 20#	New	7400' @ 12300'	600

If changes in the above plans become advisable we will notify you immediately.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.)

Approved....., 19.....  
Except as follows:

OIL CONSERVATION COMMISSION

By.....

Sincerely yours,

**Magnolia Petroleum Company**

(Company or Operator)

By.....

Position **District Superintendent**

Send Communications regarding well to

Name **W. C. Dougherty**

Address **Box 2406, Hobbs, New Mexico**

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date July 2, 1957

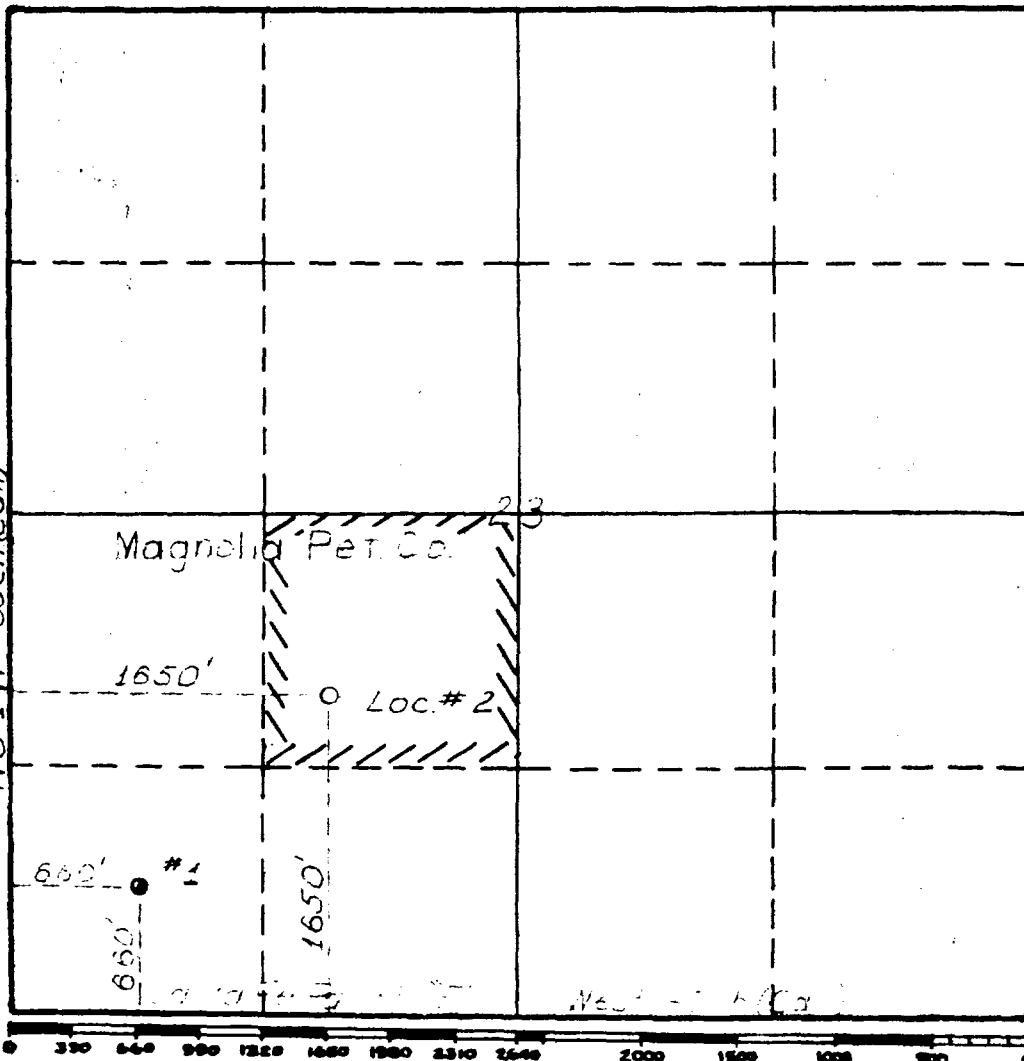
Operator MAGNOLIA PETROLEUM CO. Lease SANTA FE-PACIFIC  
Well No. 2 Unit Letter  Section 22 Township 9 South Range 36 East NMPM  
Located 1650 Feet From South Line, 1650 Feet From Acad Line  
County Lea G. L. Elevation  Dedicated Acreage  Acres  
Name of Producing Formation Devonian Pool Crossroads

1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below?  
Yes X No .
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes  No . If answer is "yes," Type of Consolidation
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

Land Description

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.

Magnolia Petroleum Company

(Operator)

[Signature]  
(Representative)

P. O. Box 2406, Hobbs, New Mex.

Address

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed July 6, 1957

Carl E. Turner  
Registered Professional  
Engineer and/or Land Surveyor.

Certificate No. 2170