

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

February 14, 1994

FACSIMILE (915) 688-1514

State of New Mexico  
Oil Conservation Division  
State Land Office Building  
P.O. Box 2088  
Santa Fe, NM 87501  
ATTN: William LeMay, Director

FEB 15 1994

**REF: Non-Standard Location  
State K #11  
*Und.* Vacuum (Drinkard) Pool  
Lea County, New Mexico**

Dear Mr. LeMay:

As per our conversation February 11, subject well information is being furnished to start the 20 day clock for approval of a non-standard location. Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting authority to complete the subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico.

Well #11 is to be a new drill. This well violates the spacing requirements for an oil well since it is less than 330 feet from the quarter quarter section of the 40 acre proration unit.

The following items are being submitted in triplicate, in support of this request:

- 1) Form C-101, Application for Permit to Drill, Deepen or Plug-Back;
- 2) Form C-102, Well Location & Acreage Dedication Plat;
- 3) Map showing offset operators;
- 4) Copy of Certified Letter to Offset Operators.

Mobil Exploration & Producing US Inc. requests this non-standard location be administratively approved.



**Environmental  
Awareness**

The offset operators are being furnished a copy of this application by certified mail as their notification and a request for waivers is also being made at this time to reduce the 20-day waiting period.

If there is any question, please contact me at 915-688-2584.

Sincerely,

A handwritten signature in black ink that reads "Kaye Pollock-Lyon". The signature is written in a cursive style with a large initial "K".

Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures, certified)

Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-101  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

**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

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

API NO. (assigned by OCD on NewWells)

5. Indicate Type of Lease  
 STATE  FEE

6. State Oil & Gas Lease No.

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. Type Of Work:  
 DRILL  RE-ENTER  DEEPEN  PLUG BACK   
 b. Type of Well:  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

7. Lease Name or Unit Agreement Name  
 STATE K

2. Name of Operator  
 MOBIL PRODUCING TX & NM INC.\*

8. Well No.  
 11

3. Address of Operator  
 \*MOBIL EXPLORATION & PRODUCING US INC AS AGENT FOR MPTM, BOX

9. Pool name or Wildcat  
 VACUUM (DRINKARD)

4. Well Location  
 Unit Letter I : 1400 Feet From The SOUTH Line and 360 Feet From The EAST Line  
 Section 31 Township 17-S Range 35-E NMPM LEA County

10. Proposed Depth  
 8200  
 11. Formation  
 DRINKARD  
 12. Rotary or C.T.  
 ROTARY

13. Elevations (Show whether DF, RT, GR, etc.)  
 GL - 3974  
 14. Kind & Status Plug. Bond  
 15. Drilling Contractor  
 16. Approx. Date Work will start  
 02-20-94

**17. PROPOSED CASING AND CEMENT PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11	8-58	24	1480	450 CL C	
7-7/8	5-1/2	17	8150/8200	920 CL H	

SEE ATTACHED DRILLING SUMMARY, CASING DIAGRAM AND CEMENT DETAIL FOR ADDITIONAL INFORMATION

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE Kaye Pollock Lyon TITLE ENV. & REG. TECHNICIAN DATE 02-09-94

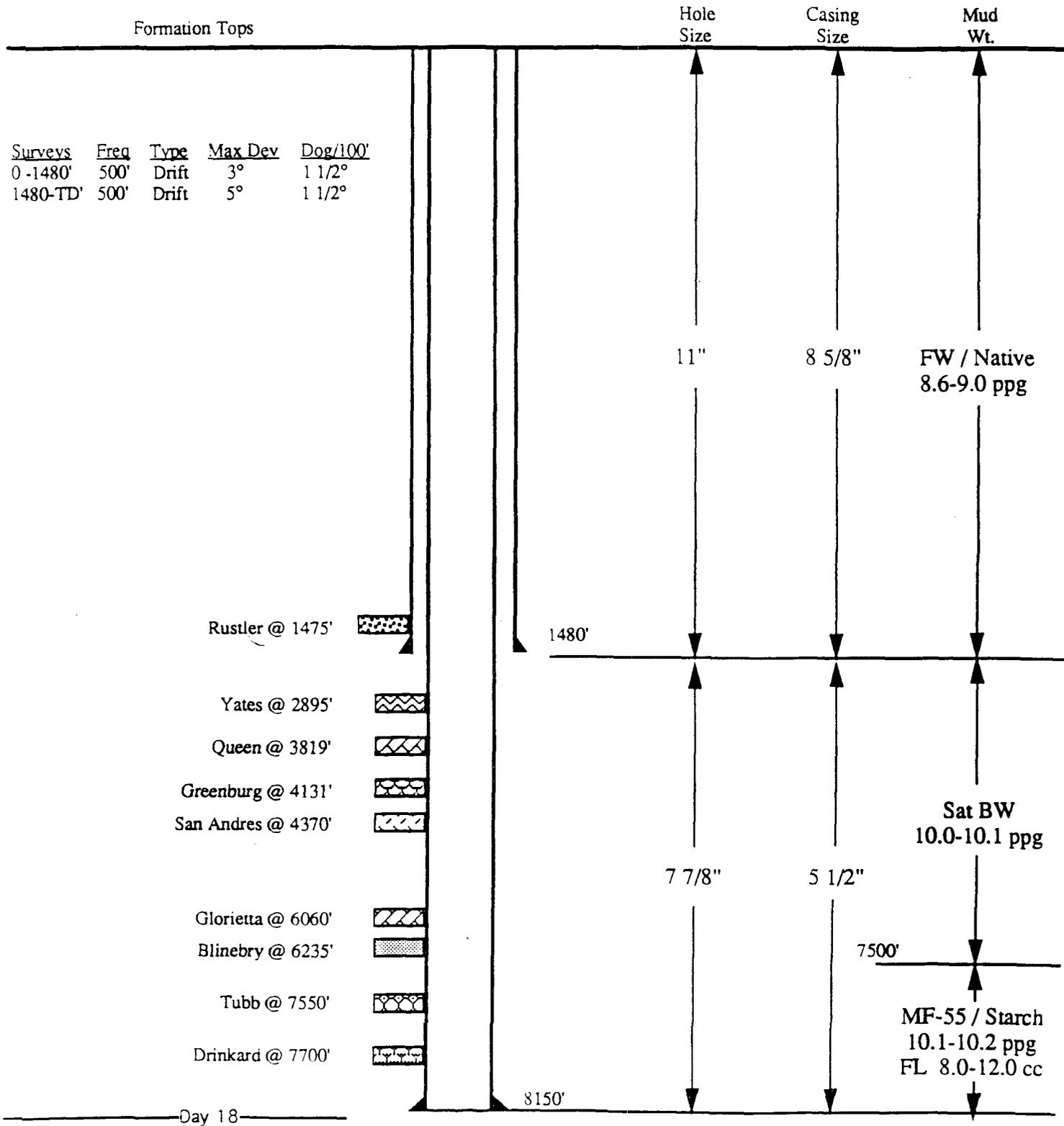
TYPE OR PRINT NAME KAYE POLLOCK-LYON TELEPHONE NO. 915-688-258

(This space for State Use)

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

CONDITIONS OF APPROVAL, IF ANY:

# State "K" #12, #11 DRILLING SUMMARY



Surveys	Freq	Type	Max Dev	Dog/100'
0-1480'	500'	Drift	3°	1 1/2°
1480-TD'	500'	Drift	5°	1 1/2°

Log Type	Interval
CNL-ARI	6000-TD
FMI	7700-TD
Sonic-Cal	TD- Surr

Mud Logger  
5000'-TD



# STATE "K" #12, #11 CEMENTING DETAIL

## SURFACE

8 5/8" 24# USS-50 STC Casing @ 1480'

### Casing Running Order

- Float Shoe
- 1 jt 8 5/8" casing
- Float Collar (Thread Lock from FC down)

### Centralizers:

- 1 - 5' above shoe
  - 1 - 5' float collar
  - 1 - every fourth collar to Surface
- Total: 11- centralizers  
2-stop collars

### Surface

Spacer: 25 bbls FW

\*Lead: 250 sx "C" + 4% D20 + 2% S1 + 0.25 pps D29

\*Tail: 200 sx "C" + 2% S1 + 0.25 pps D29

	<u>Lead</u>	<u>Tail</u>
Weight (ppg)	13.5	14.8
Yield (cf/sx)	1.74	1.32
Mix Water (gps)	9.11	6.32
Thick Time (hrs:min)	≥ 3:20	≥ 2:00
Free Water (cc/30 min)	≤ 1%	≤ 1%
Fluid Loss (cc's)	NC	NC
12 Hr Comp Strength	≥ 500	≥ 700
72 Hr Comp Strength	≥ 1500	≥ 1500
Top of Cement	0	500'

\* Est. volumes based on gauge hole + 100% excess.  
Run fluid or mechanical caliper to determine exact volumes.

- 1) Chain Down Casing
- 2) Circ. one hole vol. prior to cementing.
- 3) Displace cement w/ FW @ 6-7 bpm. **DO NOT OVERDISPLACE**
- 4) If cement does not circ. to surface, contact Drlg. Supt. and the NMOC.
- 5) Test casing to 1500 psi.
- 6) **WAIT MIN 8 HRS PRIOR TO DRILL OUT**

## PRODUCTION

5 1/2" 17 K55 LTC Casing @ 0-2000'  
5 1/2" 15.5# USS50 STC Casing @ 2000-7300'  
5 1/2" 17# L80 LTC Casing @ 7300-8150'

### Casing Running Order

- Float Shoe
- 2 jts 5 1/2" casing
- Float Collar (Thread Lock from FC down)

### Centralizers:

- 1 - 5' above shoe
  - 1 - 5' above float collar
  - 1 - every third collar
- Total: 27- centralizers  
2- stop collars

### Production

Spacer: 25 bbls FW

\*\*Lead: 670 sx 35/65 (Poz/H) + 6% D20 + 5% D44 + 0.25 pps D29

\*\*Tail: 250 sx "H" + .025 pps D29

	<u>Lead</u>	<u>Tail</u>
Weight (ppg)	12.8	16.4
Yield (cf/sx)	1.96	1.06
Mix Water (gps)	10.46	4.34
Thick Time (hrs:min)	≥ 3:00	≥ 2:39
Free Water (cc/30 min)	≤ 1%	≤ 1%
Fluid Loss (cc's)	NC	NC
12 Hr Comp Strength	≥ 400	≥ ***
72 Hr Comp Strength	≥ ***	≥ ***
Top of Cement	3700'	7500'

\*\* Est volumes based on gauged hole size or 50% excess. Run log caliper for actual volumes. Use 25% excess for open hole x 5 1/2" casing annulus.

- 1) Reciprocate casing 15'-20' while conditioning hole
- 2) Circ. one hole vol. prior to cementing.
- 3) Displace cement w/ FW @ 4-6 bpm. **DO NOT OVERDISPLACE**
- 4) WOC 8 hrs. ND BOP & cut casing to install tubing head.

Submit to Appropriate District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-102  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

**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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

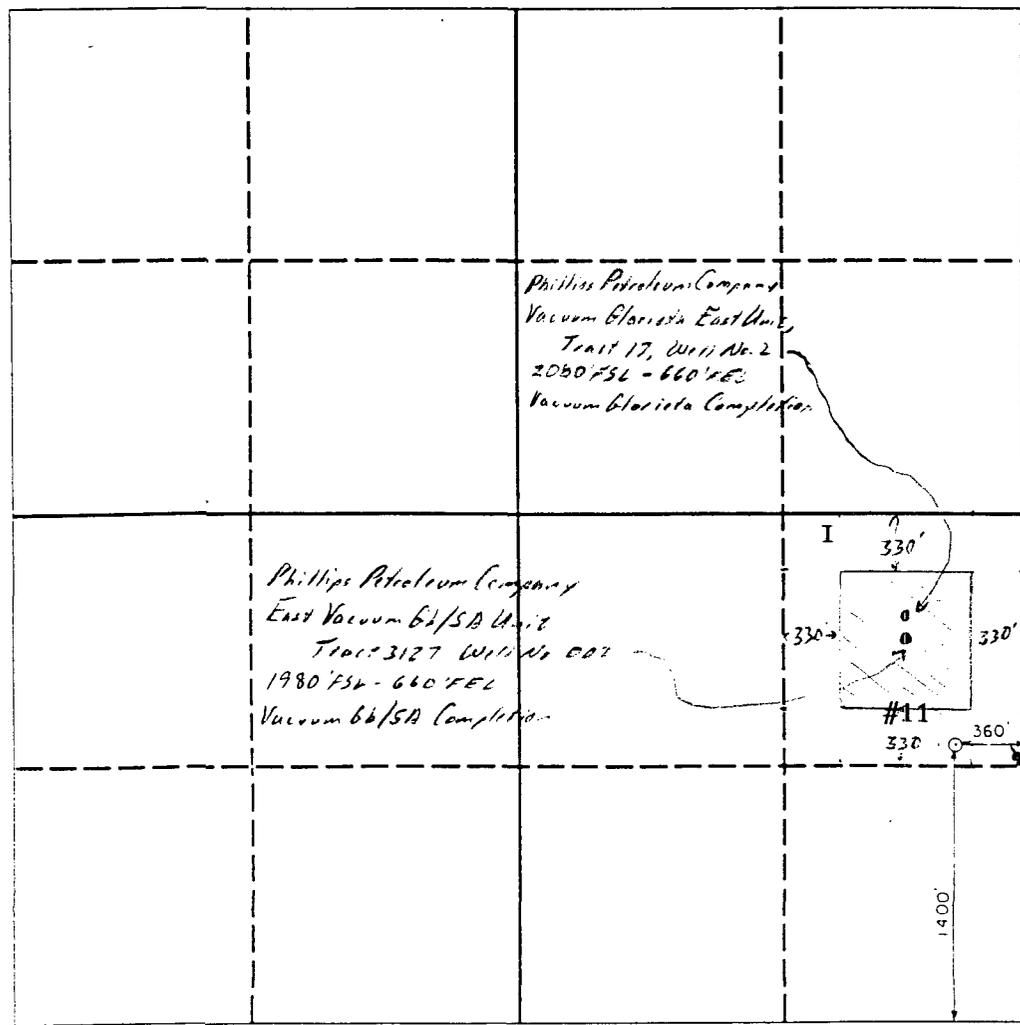
Operator Mobil Exploration & Producing, U.S.		Lease State "k"		Well No. 11
Unit Letter I	Section 31	Township 17-S	Range 35-E NMPM	County Lea
Actual Footage Location of Well: 1400 feet from the South line and 360 feet from the East line				
Ground level Elev. 3974'	Producing Formation Drinkard	Pool Vacuum	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 

Yes  No If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



**OPERATOR CERTIFICATION**

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

*Kaye Pollock-Lyon*  
 Signature

Kaye Pollock-Lyon

Printed Name

Env & Reg Technician

Position Mobil Prod TX & NM Inc.\*

\*Mobil Expl & Prod US Inc. as

Company agent for MPTM

Date

02-14-94

**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat 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

January 21, 1994

Signature & Seal of Professional Surveyor

*J. A. Newton*  
 Certificate No. 5109



# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

Certified Mail # P 322 152 764  
Mailed 02-14-94

February 14, 1994

FACSIMILE (915) 688-1514

Phillips  
4001 Penbrook Avenue  
Odessa, TX 79762  
ATTN: James Welin

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear James:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

Well #11 is to be a new drill. This well violates the spacing requirements for an oil well since it is less than 330 feet from the quarter quarter section of the 40 acre proration unit.

Attached are the following items for your review in support of this request.

- 1) Form C-101, Application for Permit to Drill, Deepen or Plug-Back;
- 2) Form C-102, Well Location & Acreage Dedication Plat;
- 3) Map showing offset operators;
- 4) Copy of Certified Letter to Offset Operators.

Mobil Exploration & Producing US Inc. is requesting this non-standard location be administratively approved.



**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

Please return the original that is being mailed to you this date in the enclosed self-addressed envelope to us as soon as possible. Thank you for your assistance and quick response.

If there is any question, please contact me at 915-688-2584.

Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

### WAIVER

In accordance with Rule 104 (F) (4), by signing this waiver, Phillips agrees there is no objection to subject well being drilled as a non-standard location.

\_\_\_\_\_  
Phillips

Date: \_\_\_\_\_

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

FACSIMILE (915) 688-1514

Certified Mail # P 322 152 765  
Mailed 02-14-94

February 14, 1994

Marathon  
P.O. Box 552  
Midland, TX 79702-0552  
ATTN: W.L. Ransbottom

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear Mr. Ransbottom:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

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Mobil Exploration & Producing US Inc. is requesting this non-standard location be administratively approved.



**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

Please return the original that is being mailed to you this date in the enclosed self-addressed envelope to us as soon as possible. Thank you for your assistance and quick response.

If there is any question, please contact me at 915-688-2584.

Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

**WAIVER**

In accordance with Rule 104 (F) (4), by signing this waiver, Marathon agrees there is no objection to subject well being drilled as a non-standard location.

\_\_\_\_\_  
Marathon

Date: \_\_\_\_\_

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

Certified Mail # P 322 152 766  
Mailed 02-14-94

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

FACSIMILE (915) 688-1514

February 14, 1994

Texaco  
P.O. Box 3109  
Midland, TX 79702  
ATTN: David Kane

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear David:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

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- 3) Map showing offset operators;
- 4) Copy of Certified Letter to Offset Operators.

Mobil Exploration & Producing US Inc. is requesting this non-standard location be administratively approved.



**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

Please return the original that is being mailed to you this date in the enclosed self-addressed envelope to us as soon as possible. Thank you for your assistance and quick response.

If there is any question, please contact me at 915-688-2584.

Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

**WAIVER**

In accordance with Rule 104 (F) (4), by signing this waiver, Texaco agrees there is no objection to subject well being drilled as a non-standard location.

\_\_\_\_\_  
Texaco

Date: \_\_\_\_\_

# Mobil Exploration & Producing U.S. Inc.

Certified Mail # P 322 152 767  
Mailed 02-14-94

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

FACSIMILE (915) 688-1514

February 14, 1994

Chevron  
P.O. Box 1150  
Midland, TX 79702  
ATTN: A.W. Bohling

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear Mr. Bohling:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

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Mobil Exploration & Producing US Inc. is requesting this non-standard location be administratively approved.



**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

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If there is any question, please contact me at 915-688-2584.

Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

**WAIVER**

In accordance with Rule 104 (F) (4), by signing this waiver, Chevron agrees there is no objection to subject well being drilled as a non-standard location.

\_\_\_\_\_  
Chevron

Date: \_\_\_\_\_

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

Certified Mail # P 322 152 768  
Mailed 02-14-94

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

FACSIMILE (915) 688-1514

February 14, 1994

Shell  
P.O. Box 576  
Houston, TX 77001  
ATTN: Donnie Champlin

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear Mr. Champlin:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

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**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

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Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

**WAIVER**

In accordance with Rule 104 (F) (4), by signing this waiver, Shell agrees there is no objection to subject well being drilled as a non-standard location.

\_\_\_\_\_  
Shell

Date: \_\_\_\_\_

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

Certified Mail # P 322 152 769  
Mailed 02-14-94

FACSIMILE (915) 688-1514

February 14, 1994

ARCO  
P.O. Box 1610  
Midland, TX 79702  
ATTN: Thaila Gilbs

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear Ms. Gilbs:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

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**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

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Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

**WAIVER**

In accordance with Rule 104 (F) (4), by signing this waiver, ARCO agrees there is no objection to subject well being drilled as a non-standard location.

\_\_\_\_\_  
ARCO

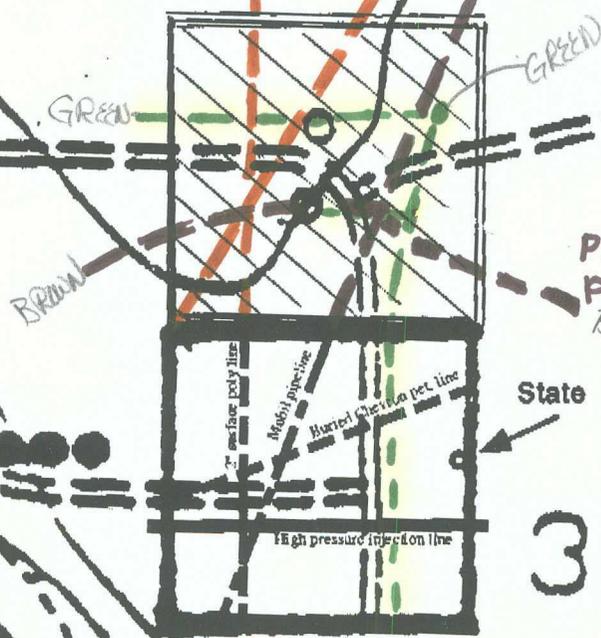
Date: \_\_\_\_\_

3971T

OW  
3970

31

- RED = 2" POLY LINE  
 - GREEN = HI LINE  
 - BROWN = PIPE LINE



PHILLIPS PIPELINE  
BROWN

State K: #11

3973

+ 3966

AT 175



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

February 17, 1994

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

Mobil Exploration and Producing U.S., Inc.  
P.O. Box 633  
Midland, TX 79702-0633

Attention: Kay Pollock-Lyon

**RE: Administrative application for unorthodox oil well location. State "K" Well No. 11, 1400' FSL - 360' FEL (Unit I) of Section 31, Township 17 South, Range 35 East, NMPM, Undesignated Vacuum Drinkard Pool, Lea County, New Mexico.**

Dear Mrs. Pollock-Lyon:

Your application for the subject well was received by the Division on February 15, 1994. The required twenty-day waiting period will lapse on March 7, 1994, provided your application is complete. My initial review of the application indicates additional information will be required before this application can be released.

Attached is a copy of Division Memorandum No. 1-90 indicating the required information needed to adequately process your request.

Sincerely,

Michael E. Stogner  
Chief Hearing Officer/Engineer

MES/amg

cc: Oil Conservation Division - Hobbs  
NM State Land Office - Santa Fe  
Jim Morrow, Chief Engineer - OCD Santa Fe



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

GARREY CARRUTHERS  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

No. 1-90

MEMORANDUM

TO: All Operators

FROM: William J. LeMay, Director *WJK*

SUBJECT: Administrative Applications for Unorthodox Locations

DATE: March 21, 1990

Division Memorandum No. 3-89, dated March 24, 1989, advised the industry that the OCD would no longer automatically approve unopposed unorthodox location applications. Unorthodox locations can be approved administratively in accordance with the Rules and Regulations or applicable special pool rules if surface conditions truly prevent the use of a legal location and if directional drilling to a legal location is not feasible.

Topographic conditions which will be considered to justify an unorthodox location include such traditional factors as terrain features (steep slopes, arroyos, etc.) which make drilling impractical. In addition, approval may be given to avoid archeological sites which may not be disturbed without substantial mitigation, incompatible surface uses such as buildings, recreation areas, etc. Applications should fully document the reason an unorthodox location is required.

The attached guidelines state the minimum information which should be submitted with applications for administrative approval of unorthodox locations. Failure to provide the necessary information will probably result in processing delays.

If the surface of the proration unit or proposed drill site is controlled by a Federal Surface Management Agency, a copy of the application must be sent to the appropriate agency office.

If there are legal locations within the proration unit which are drillable, but the operator chooses not to drill those locations for geological reasons the application cannot be approved administratively and a hearing will be required.

## NEW MEXICO OIL CONSERVATION DIVISION

### SUBMITTAL GUIDELINES FOR ADMINISTRATIVE APPROVAL OF NON-STANDARD LOCATION APPLICATIONS

- I. If the well is located on Federal or Indian Lands, the Federal Surface Management Agency must be notified and an on-site inspection conducted prior to filing the application. If an Application for Permit to drill or a Notice of Staking has been prepared, a copy must be submitted.
- II. Completed C-102 showing the well location, proration unit, leases within the unit and other required information.
- III. Land plat showing offset operators and working interest owners and any offsetting wells producing from the same pool or formation.
  - A. This information may be shown on the topo map if it does not impair the readability of the map.
  - B. The operator should certify that the information is current and correct.
- IV. **Original or clear copy of topographic map, preferably 7.5 minute quad, showing contours and other mapped features impacting the location, with the following information marked thereon (In order to be able to adequately show all of the necessary surface conditions it may be necessary to enlarge the relevant portion of the topo map to provide room for detail):**
  - A. The proposed well location and proration unit;
  - B. An outline of the orthodox drilling windows as provided in the applicable rules for the subject application;
  - C. The location of any wells to any formation within the area of the proration unit and a statement as to whether an existing pad can be ~~used to drill the proposed well~~;
- V. **An enlargement of the topo map showing the subject area with the applicable additional information:**
  - A. Terrain features not shown on the map which make an orthodox location unusable;
  - B. Proposed access roads and pipelines if they affect the location selection;
  - C. The location of any surface uses which prevent use of a legal location;

- D. The location of any archeological sites identified in the archeological survey;
  - E. The location and nature of any other surface conditions which prevent the use of an orthodox location.
- VI. If archeological sites are a reason for the unorthodox location request, a copy of the archeological survey, or a summary, identifying sites which cannot be disturbed or which must have any disturbance mitigated. In addition, the location of such areas should be marked on the enlarged topo so they can be clearly identified.
- VII. A narrative report of any on-site inspection of the potential locations. If such on-site has resulted in elimination of legal locations due to surface conditions, such information should also be noted on the enlarged topo.
- VIII. A statement of why directional drilling to reach a legal bottom-hole location is not feasible.
- IX. An affidavit that notice has been sent to all parties entitled thereto, under the Divisions Rules and Regulations with return receipt cards showing date of receipt of notice.

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

FACSIMILE (915) 688-1514

February 22, 1994

State of New Mexico  
Oil Conservation Division  
State Land Office Building  
P.O. Box 2088  
Santa Fe, NM 87501  
ATTN: Michael E. Stogner

**REF: Non Standard Location  
State K #11  
Vacuum (Drinkard) Pool  
Lea County, New Mexico**

Dear Michael:

As per your request dated February 17, 1994, the following information and attachments for above referenced non-standard well location are furnished:

Surface Location construction map, dated 01-19-94, by Michael J. Newton, Surveyor, indicating interfering pipelines, lease roads, pit constraints

Directional drilling would be cost prohibitive:

Current Drilling Costs for non-standard location: \$315,000

vs

Directional Drilling Cost Estimate for standard location: 395,000

An Additional Cost of 80,000

Topo map of surface, showing roads/pipelines and also terrain features which make an orthodox location unaccessible

Waivers from all offsets giving their approval to this application without 20 day waiting period

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing Texas and New Mexico Inc. is currently drilling the State K #12 and has the same rig scheduled to move on

94 FEB 23 AM 8 39  
RECEIVED  
OIL CONSERVATION DIVISION



**Environmental  
Awareness**

this location if timing is justifiable. We would appreciate any assistance in getting this application processed as quickly as possible, due to the rig availability.

If there is any question, please contact me at 915-688-2584.

Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s

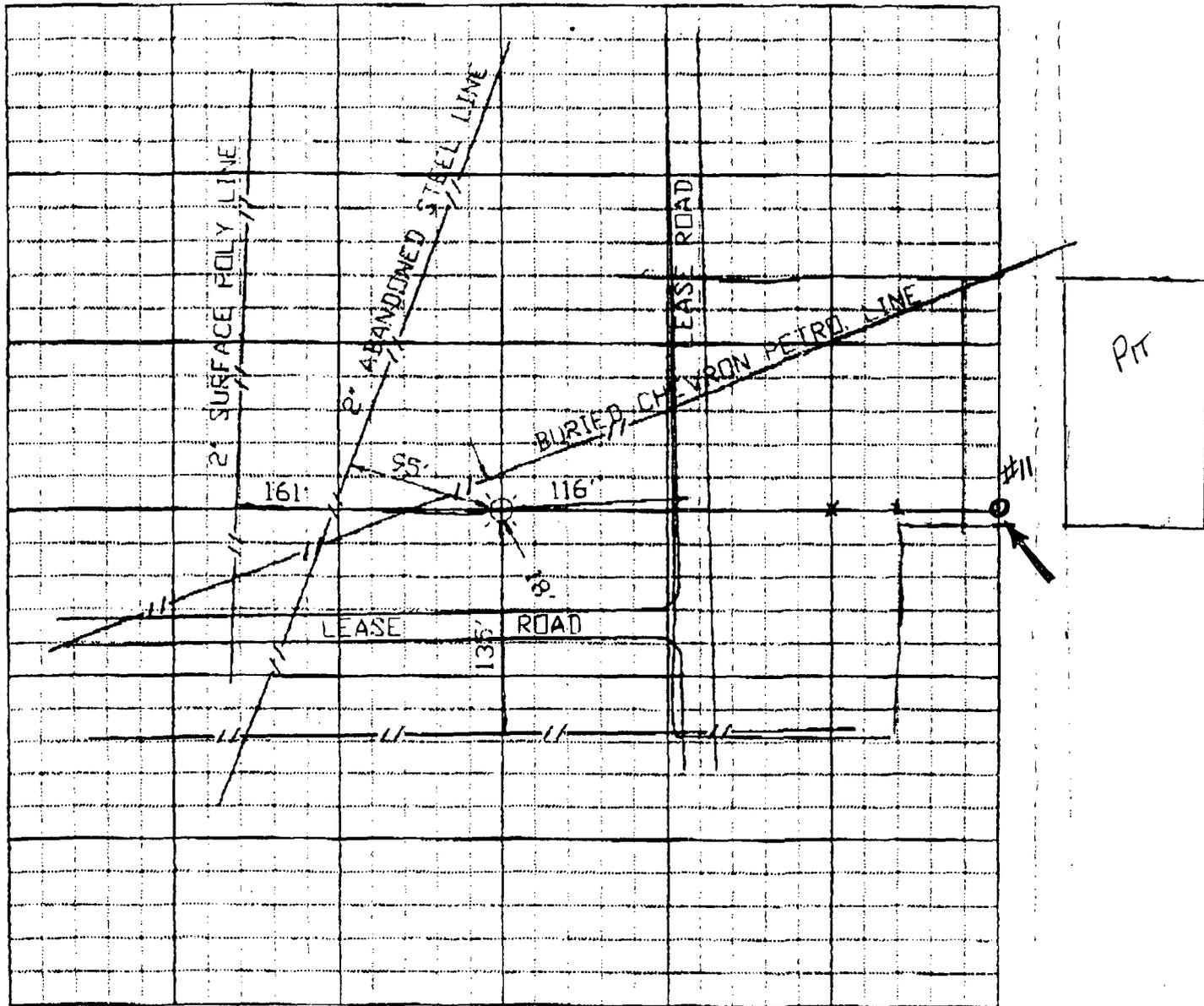
Attachments

OIL CONSERVATION DIVISION  
RECEIVED  
FEB 28 8 39 AM '94



CIVIL ENGINEERING GROUP  
 LOCATION CONSTRUCTION/DRILLING HAZARDS

WELL NO 11 FIELD STATE "K"  
 COUNTY LEA STATE TEXAS  
 BY MICHEL J. NEWTON DATE JANUARY 19, 1994  
 SECTION 31  
 STAKED 1400' FSL 360' FSL 660' FSL BLOCK T-17-S SURVEY R-35-E

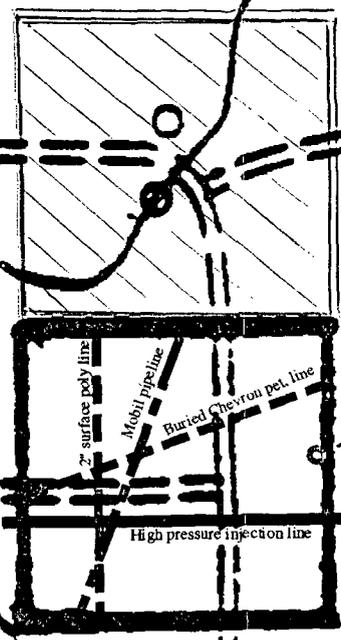


SCALE: 1" = 100'

3971T

OW  
3970

31



State K #11

3973

3975

+ 3966

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

Certified Mail # P 322 152 769  
Mailed 02-14-94

FACSIMILE (915) 688-1514

February 14, 1994

ARCO  
P.O. Box 1610  
Midland, TX 79702  
ATTN: Thaila Gilbs

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear Ms. Gilbs:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

Well #11 is to be a new drill. This well violates the spacing requirements for an oil well since it is less than 330 feet from the quarter quarter section of the 40 acre proration unit.

Attached are the following items for your review in support of this request.

- 1) Form C-101, Application for Permit to Drill, Deepen or Plug-Back;
- 2) Form C-102, Well Location & Acreage Dedication Plat;
- 3) Map showing offset operators;
- 4) Copy of Certified Letter to Offset Operators.

Mobil Exploration & Producing US Inc. is requesting this non-standard location be administratively approved.



**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

Please return the original that is being mailed to you this date in the enclosed self-addressed envelope to us as soon as possible. Thank you for your assistance and quick response.

If there is any question, please contact me at 915-688-2584.

Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

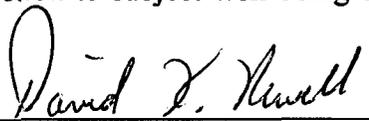
Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

**WAIVER**

In accordance with Rule 104 (F) (4), by signing this waiver, ARCO agrees there is no objection to subject well being drilled as a non-standard location.

  
\_\_\_\_\_  
ARCO Sr. Engineer

Date: 2-15-94

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

FACSIMILE (915) 688-1514

Certified Mail # P 322 152 767  
Mailed 02-14-94

February 14, 1994

Chevron  
P.O. Box 1150  
Midland, TX 79702  
ATTN: A.W. Bohling

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear Mr. Bohling:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

Well #11 is to be a new drill. This well violates the spacing requirements for an oil well since it is less than 330 feet from the quarter quarter section of the 40 acre proration unit.

Attached are the following items for your review in support of this request.

- 1) Form C-101, Application for Permit to Drill, Deepen or Plug-Back;
- 2) Form C-102, Well Location & Acreage Dedication Plat;
- 3) Map showing offset operators;
- 4) Copy of Certified Letter to Offset Operators.

Mobil Exploration & Producing US Inc. is requesting this non-standard location be administratively approved.



**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

Please return the original that is being mailed to you this date in the enclosed self-addressed envelope to us as soon as possible. Thank you for your assistance and quick response.

If there is any question, please contact me at 915-688-2584.

Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

**WAIVER**

In accordance with Rule 104 (F) (4), by signing this waiver, Chevron agrees there is no objection to subject well being drilled as a non-standard location.

  
Chevron

*Petroleum Engineers*

Date: February 15, 1994

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

FACSIMILE (915) 688-1514

Certified Mail # P 322 152 765  
Mailed 02-14-94

February 14, 1994

Marathon  
P.O. Box 552  
Midland, TX 79702-0552  
ATTN: W.L. Ransbottom

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear Mr. Ransbottom:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

Well #11 is to be a new drill. This well violates the spacing requirements for an oil well since it is less than 330 feet from the quarter quarter section of the 40 acre proration unit.

Attached are the following items for your review in support of this request.

- 1) Form C-101, Application for Permit to Drill, Deepen or Plug-Back;
- 2) Form C-102, Well Location & Acreage Dedication Plat;
- 3) Map showing offset operators;
- 4) Copy of Certified Letter to Offset Operators.

Mobil Exploration & Producing US Inc. is requesting this non-standard location be administratively approved.

**RECEIVED**

FEB 15 1994

MARATHON OIL COMPANY  
LAND DEPARTMENT  
MIDLAND, TEXAS



**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

Please return the original that is being mailed to you this date in the enclosed self-addressed envelope to us as soon as possible. Thank you for your assistance and quick response.

If there is any question, please contact me at 915-688-2584.

Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

**WAIVER**

In accordance with Rule 104 (F) (4), by signing this waiver, Marathon agrees there is no objection to subject well being drilled as a non-standard location.

  
\_\_\_\_\_  
Marathon

Date: 2/22/94

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

Certified Mail # P 322 152 764  
Mailed 02-14-94

February 14, 1994

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

FACSIMILE (915) 688-1514

RECEIVED

Phillips  
4001 Penbrook Avenue  
Odessa, TX 79762  
ATTN: James Welin

FEB. 15 1994

LAND SECTION  
PHILLIPS PETROLEUM CO.  
ODESSA, TEXAS

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear James:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

Well #11 is to be a new drill. This well violates the spacing requirements for an oil well since it is less than 330 feet from the quarter quarter section of the 40 acre proration unit.

Attached are the following items for your review in support of this request.

- 1) Form C-101, Application for Permit to Drill, Deepen or Plug-Back;
- 2) Form C-102, Well Location & Acreage Dedication Plat;
- 3) Map showing offset operators;
- 4) Copy of Certified Letter to Offset Operators.

Mobil Exploration & Producing US Inc. is requesting this non-standard location be administratively approved.



**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

Please return the original that is being mailed to you this date in the enclosed self-addressed envelope to us as soon as possible. Thank you for your assistance and quick response.

If there is any question, please contact me at 915-688-2584.

Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

**WAIVER**

In accordance with Rule 104 (F) (4), by signing this waiver, Phillips agrees there is no objection to subject well being drilled as a non-standard location.

SEA



Phillips

Date: 16 FEBRUARY 1994

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

Certified Mail # P 322 152 768  
Mailed 02-14-94

February 14, 1994

FACSIMILE (915) 688-1514

Shell  
P.O. Box 576  
Houston, TX 77001  
ATTN: Donnie Champlin

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear Mr. Champlin:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

Well #11 is to be a new drill. This well violates the spacing requirements for an oil well since it is less than 330 feet from the quarter quarter section of the 40 acre proration unit.

Attached are the following items for your review in support of this request.

- 1) Form C-101, Application for Permit to Drill, Deepen or Plug-Back;
- 2) Form C-102, Well Location & Acreage Dedication Plat;
- 3) Map showing offset operators;
- 4) Copy of Certified Letter to Offset Operators.

Mobil Exploration & Producing US Inc. is requesting this non-standard location be administratively approved.



**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

Please return the original that is being mailed to you this date in the enclosed self-addressed envelope to us as soon as possible. Thank you for your assistance and quick response.

If there is any question, please contact me at 915-688-2584.

Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

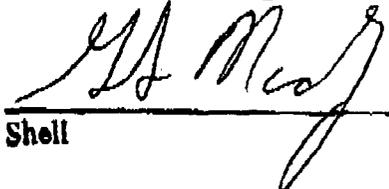
Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

**WAIVER**

In accordance with Rule 104 (F) (4), by signing this waiver, Shell agrees there is no objection to subject well being drilled as a non-standard location.

  
\_\_\_\_\_  
Shell

Date: 2/15/94

# Mobil Exploration & Producing U.S. Inc.

P.O. BOX 633  
MIDLAND, TEXAS 79702-0633

Certified Mail # P 322 152 766  
Mailed 02-14-94

MIDLAND SOUTH ASSET TEAM  
ENVIRONMENTAL, REGULATORY &  
LOSS PREVENTION

FACSIMILE (915) 688-1514

February 14, 1994

Texaco  
P.O. Box 3109  
Midland, TX 79702  
ATTN: David Kane

**REF: Non-Standard Location  
State K #11  
Vacuum (Drinkard)  
Lea County, New Mexico**

Dear David:

Mobil Exploration & Producing U.S. Inc. as agent for Mobil Producing TX & NM Inc., is requesting waivers from all offsets for the drilling of subject well in the Vacuum (Drinkard) Pool at a non-standard location under the provisions of Rule 104 (F)(4). Well #11 is located in Unit I, 1400 feet from the south line and 360 feet from the east line of Section 31, T 17-S, R 35-E, Lea County, New Mexico. The waiver is signed below by company representative.

Well #11 is to be a new drill. This well violates the spacing requirements for an oil well since it is less than 330 feet from the quarter quarter section of the 40 acre proration unit.

Attached are the following items for your review in support of this request.

- 1) Form C-101, Application for Permit to Drill, Deepen or Plug-Back;
- 2) Form C-102, Well Location & Acreage Dedication Plat;
- 3) Map showing offset operators;
- 4) Copy of Certified Letter to Offset Operators.

Mobil Exploration & Producing US Inc. is requesting this non-standard location be administratively approved.



**Environmental  
Awareness**

State K #11 Waiver  
Vacuum (Drinkard) Pool  
Lea County, New Mexico

Please return the original that is being mailed to you this date in the enclosed self-addressed envelope to us as soon as possible. Thank you for your assistance and quick response.

If there is any question, please contact me at 915-688-2584.

Sincerely,



Kaye Pollock-Lyon  
Environmental & Regulatory Technician

Mobil Exploration & Producing US Inc.  
as agent for  
Mobil Producing TX & NM Inc.

KPL:s  
Enclosures

cc: Oil Conservation Division - Hobbs  
Offset Operators (w/Enclosures)

**WAIVER**

In accordance with Rule 104 (F) (4), by signing this waiver, Texaco agrees there is no objection to subject well being drilled as a non-standard location.



Texaco

Date: 2/16/94

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR

February 23, 1994

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

ANITA LOCKWOOD  
CABINET SECRETARY

Mobil Exploration and Production U. S., Inc.  
P. O. Box 633  
Midland, Texas 79702-0633

Attention: Kay Pollock-Lyon

Re: *Administrative Application for an Unorthodox  
Oil Well Location.  
State "K" Well No. 11  
1400'FSL - 360'FEL (Unit 1) of Section 31,  
Township 17 South, Range 35 East, NMPM,  
Undesignated Drinkard Pool, Lea County, New  
Mexico.*

Dear Mrs. Pollock-Lyon:

I am in receipt of your supplemental information for the subject application. This application remains incomplete. As you are aware the Drinkard formation is subject to the Divisions General Rules and Regulations concerning spacing for oil wells, see Rule 104.C(1).

Referring again to Division Memorandum 1-90, part IV.B, asks that the applicant submit a plat with "*an outline of the orthodox drilling windows as provided in the applicable rules for the subject application*". Please refer now to the attached C-102, where I have provided this information by way of a shaded box within the subject 40-acre oil spacing and proration unit. I have transferred this "shaded box" or "orthodox drilling window" to your enlarged topo map of the area. I was unable to interpret the reason for the box provided? Regardless. With the information that I have furnish you, please now provide me with the required explanation as to why a well can not be drilled within this "standard window".

Please contact me at (505) 827-5811 should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner".

Michael E. Stogner  
Chief Hearing Examiner/Engineer

cc: Oil Conservation Division - Hobbs  
NM State Land Office - Santa Fe  
Jim Morrow, Chief Engineer - OCD Santa Fe  
William J. LeMay, Director - OCD Santa Fe

Submit to Appropriate District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-102  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

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

**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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator Mobil Exploration & Producing, U.S.		Lease State "k"		Well No. 11
Unit Letter I	Section 31	Township 17-S	Range 35-E	County Lea

Actual Footage Location of Well:  
 1400 feet from the South line and 360 feet from the East line

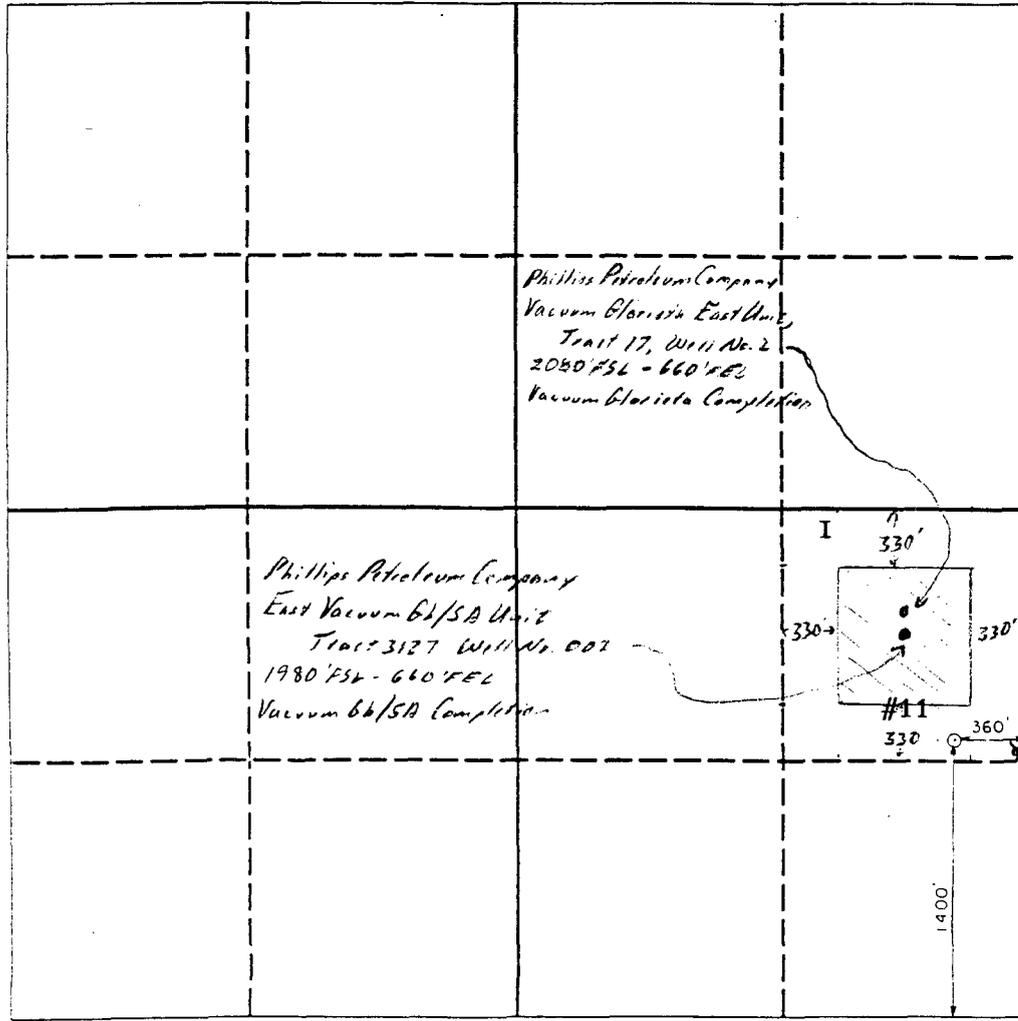
Ground level Elev. 3974'	Producing Formation Drinkard	Pool Vacuum	Dedicated Acreage: 40 Acres
-----------------------------	---------------------------------	----------------	--------------------------------

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 

Yes  No If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



**OPERATOR CERTIFICATION**

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

*Kaye Pollock-Lyon*  
 Signature

**Kaye Pollock-Lyon**  
 Printed Name

**Env & Reg Technician**  
 Position Mobil Prod TX & NM Inc.\*  
 \*Mobil Expl & Prod US Inc. as  
 Company agent for MPTM

Date  
 02-14-94

**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat 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.

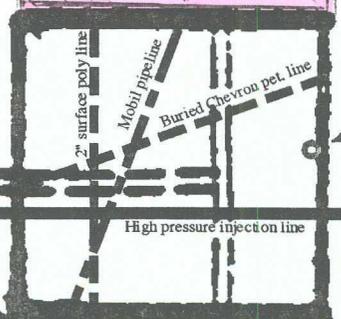
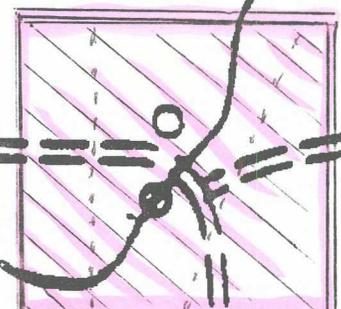
Date Surveyed  
 January 21, 1994

Signature & Seal of Professional Surveyor  
*J. A. Newton*

Certificate No.  
 5109

3971T

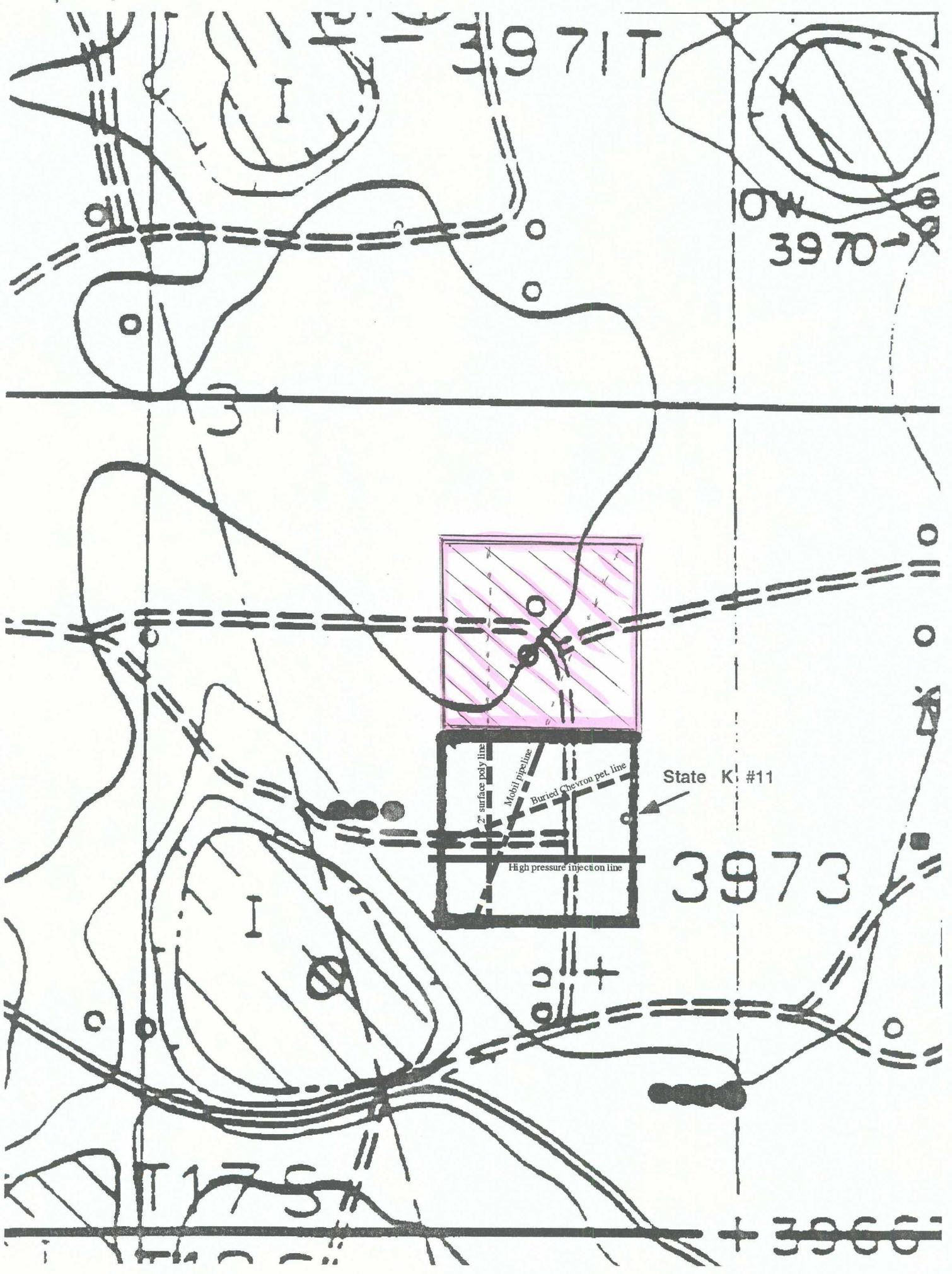
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State K: #11

3973

+ 3966



(3) All Counties except Lea, Chaves, Eddy, Roosevelt, San Juan, Rio Arriba and Sandoval.

- (a) Any wildcat well which is projected as an oil well in any county other than Lea, Chaves, Eddy, Roosevelt, San Juan, Rio Arriba, and Sandoval Counties shall be located on a tract consisting of approximately 40 surface contiguous acres substantially in the form of a square which is a legal subdivision of the U.S. Public Land Surveys, or on a governmental quarter-quarter section or lot and shall be located not closer than 330 feet to any boundary of such tract.
- (b) Any wildcat well which is projected as a gas well to a formation and in an area which, in the opinion of the Division representative approving the application to drill, may reasonably be presumed to be productive of gas rather than oil shall be located on a drilling tract consisting of 160 surface contiguous acres, more or less, substantially in the form of a square which is a quarter section, being a legal subdivision of the U.S. Public Land Surveys, and shall be located not closer than 660 feet to any outer boundary of such tract nor closer than 330 feet to any quarter-quarter section or subdivision inner boundary.

C. ACREAGE AND WELL LOCATION REQUIREMENTS FOR DEVELOPMENT WELLS

(1) Oil Wells, All Counties.

- (a) Unless otherwise provided in special pool rules, each development well for a defined oil pool shall be located on a tract consisting of approximately 40 surface contiguous acres substantially in the form of a square which is a legal subdivision of the U.S. Public Land Surveys, or on a governmental quarter-quarter section or lot, and shall be located not closer than 330 feet to any boundary of such tract nor closer than 330 feet to the nearest well drilling to or capable of producing from the same pool, provided however, only tracts committed to active secondary recovery projects shall be permitted more than four wells.

(2) Lea, Chaves, Eddy and Roosevelt Counties.

- (a) Gas Wells. Unless otherwise provided in special pool rules, each development well for a defined gas pool in a formation younger than the Wolfcamp formation, or in the Wolfcamp formation which was created and defined by the Division prior to November 1, 1975, or in a Pennsylvanian age or older formation which was created and defined by the Division prior to June 1, 1964, shall be located on a designated drilling tract consisting of 160 surface contiguous acres, more or less, substantially in the form of a square which is a quarter section being a legal subdivision of the U.S. Public Land Surveys, and shall be located not closer than 660 feet to any outer boundary of such tract nor closer than 330 feet to any quarter-quarter section or subdivision inner boundary nor closer than 1320 feet to the nearest well drilling to or capable of producing from the same pool.
- (b) Unless otherwise provided in the special pool rules, each development well for a defined gas pool in the Wolfcamp formation which was created and defined by the Division after November 1, 1975, or of Pennsylvanian age or older which was created and defined by the Division after June 1, 1964, shall be located on a designated drilling tract consisting of 320 surface contiguous acres, more or less, comprising any two contiguous quarter sections of a single



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

GARREY CARRUTHERS  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

No. 1-90

MEMORANDUM

**TO:** All Operators

**FROM:** William J. LeMay, Director *WJL*

**SUBJECT:** Administrative Applications for Unorthodox Locations

**DATE:** March 21, 1990

Division Memorandum No. 3-89, dated March 24, 1989, advised the industry that the OCD would no longer automatically approve unopposed unorthodox location applications. Unorthodox locations can be approved administratively in accordance with the Rules and Regulations or applicable special pool rules if surface conditions truly prevent the use of a legal location and if directional drilling to a legal location is not feasible.

Topographic conditions which will be considered to justify an unorthodox location include such traditional factors as terrain features (steep slopes, arroyos, etc.) which make drilling impractical. In addition, approval may be given to avoid archeological sites which may not be disturbed without substantial mitigation, incompatible surface uses such as buildings, recreation areas, etc. Applications should fully document the reason an unorthodox location is required.

The attached guidelines state the minimum information which should be submitted with applications for administrative approval of unorthodox locations. Failure to provide the necessary information will probably result in processing delays.

**If the surface of the proration unit or proposed drill site is controlled by a Federal Surface Management Agency, a copy of the application must be sent to the appropriate agency office.**

If there are legal locations within the proration unit which are drillable, but the operator chooses not to drill those locations for geological reasons the application cannot be approved administratively and a hearing will be required.

## NEW MEXICO OIL CONSERVATION DIVISION

### SUBMITTAL GUIDELINES FOR ADMINISTRATIVE APPROVAL OF NON-STANDARD LOCATION APPLICATIONS

- I. If the well is located on Federal or Indian Lands, the Federal Surface Management Agency must be notified and an on-site inspection conducted prior to filing the application. If an Application for Permit to drill or a Notice of Staking has been prepared, a copy must be submitted.
- II. Completed C-102 showing the well location, proration unit, leases within the unit and other required information.
- III. Land plat showing offset operators and working interest owners and any offsetting wells producing from the same pool or formation.
  - A. This information may be shown on the topo map if it does not impair the readability of the map.
  - B. The operator should certify that the information is current and correct.
- IV. Original or clear copy of topographic map, preferably 7.5 minute quad, showing contours and other mapped features impacting the location, with the following information marked thereon (In order to be able to adequately show all of the necessary surface conditions it may be necessary to enlarge the relevant portion of the topo map to provide room for detail):
  - A. The proposed well location and proration unit;
  - B. An outline of the orthodox drilling windows as provided in the applicable rules for the subject application;
  - C. The location of any wells to any formation within the area of the proration unit and a statement as to whether an existing pad can be used to drill the proposed well;
- V. An enlargement of the topo map showing the subject area with the applicable additional information:
  - A. Terrain features not shown on the map which make an orthodox location unusable;
  - B. Proposed access roads and pipelines if they affect the location selection;
  - C. The location of any surface uses which prevent use of a legal location;

- D. The location of any archeological sites identified in the archeological survey;
  - E. The location and nature of any other surface conditions which prevent the use of an orthodox location.
- VI. If archeological sites are a reason for the unorthodox location request, a copy of the archeological survey, or a summary, identifying sites which cannot be disturbed or which must have any disturbance mitigated. In addition, the location of such areas should be marked on the enlarged topo so they can be clearly identified.
- VII. A narrative report of any on-site inspection of the potential locations. If such on-site has resulted in elimination of legal locations due to surface conditions, such information should also be noted on the enlarged topo.
- VIII. A statement of why directional drilling to reach a legal bottom-hole location is not feasible.
- IX. An affidavit that notice has been sent to all parties entitled thereto, under the Divisions Rules and Regulations with return receipt cards showing date of receipt of notice.



STATE OF NEW MEXICO  
 ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
 OIL CONSERVATION DIVISION  
 RECEIVED OIL CONSERVATION DIVISION  
 HOBBS DISTRICT OFFICE

'94 FEB 25 AM 8 39

2-21-94

BRUCE KING  
 GOVERNOR

POST OFFICE BOX 1980  
 HOBBS, NEW MEXICO 88241-1980  
 (505) 393-6161

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

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

*NSL-3356*

Gentlemen:

I have examined the application for the:

*Mobil Producing TX-NM Inc* *State K # 11-I* *31-17-35*  
 Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

*OK*

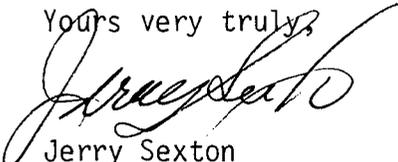
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Yours very truly,  
  
 Jerry Sexton  
 Supervisor, District 1

/ed