

Mobil Exploration & Producing U.S. Inc.

OIL CONSERVATION DIVISION
RECEIVED

'91 AUG 7 AM 8 49

July 31, 1991

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

State of New Mexico (3)
Energy and Minerals Department
Oil Conservation Division
State Land Office Building
P.O. Box 2088
Santa Fe, New Mexico 87501

Attn: David Catanach

UNORTHODOX WELL LOCATION
LOVINGTON DEEP AMOCO STATE
WELL NO. 2
SOUTH SHOE BAR UPPER PENNSYLVANIAN
POOL
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Exploration & Producing U.S. Inc. (MEPUS), as Agent for Mobil Producing Texas & New Mexico Inc., respectfully requests authority to recompleat the subject well to the South Shoebar Upper Pennsylvanian pool at an unorthodox location.

This request is necessary, as required by the South ShoeBar Upper Pennsylvanian Pool Field Rules, due to the well being more than 150 feet of the center of a governmental quarter-quarter section.

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 and acreage dedication plat;
3. Certified plat showing offset operators and wells;
4. Copy of Certified letter to Offset Operators.

State of New Mexico
Unorthodox Well location
Lovington Deep Amoco State Well #2

-2-

July 31, 1991

5. Drilling Procedure & Wellbore sketches

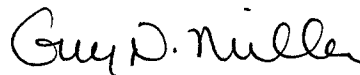
A copy of this letter and attachments are being furnished to the offset operators by certified mail, as notice of this application.

The original well was drilled on a standard oil well location within a standard 80-acre oil spacing unit under the proposed Special Pool Rules; therefore, MEPUS requests that this unorthodox location be administratively approved.

If any additional information is needed, please contact Judy Dixon at (915) 688-2452.

Yours truly

MOBIL EXPLORATION & PRODUCING U.S. INC
AS AGENT FOR
MOBIL PRODUCING TX & NEW MEXICO INC.



G. N. Miller
Environmental, Regulatory and
Loss Prevention Supervisor

JWDIXON
ATTACHMENTS

cc: w/attachments
Oil Conservation Division - Hobbs
Offset Operators
Central Files
Regulatory Files
Proration Acct.
Opr. Supv - Buckeye
Drilling - D. Anglin - 222 TCB

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 New Wells)
30-025-29702

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

LG-7265

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 ☐

2. Name of Operator

Mobil Producing TX. & N.M. Inc.*

7. Lease Name or Unit Agreement Name

LOVINGTON DEEP AMOCO STATE

3. Address of Operator *Mobil Exploration & Producing U.S. Inc., as Agent for
Mobil Producing TX. & N.M. Inc., P. O. Box 633, Midland, TX 79702

8. Well No.

2

9. Pool name or Wildcat
SOUTH SHOE BAR UPPER PENN

4. Well Location

Unit Letter L : 510 Feet From The WEST Line and 1830 Feet From The SOUTH Line

Section 36

Township 17S

Range 36E

NMPM LEA

County

10. Proposed Depth

10646-10794

11. Formation

UPPER PENN

12. Rotary or C.T.

ROTARY

13. Elevations (Show whether DF, RT, GR, etc.)

3929 GR

14. Kind & Status Plug. Bond

ACTIVE BLANKET

15. Drilling Contractor

UNKNOWN

16. Approx. Date Work will start

AS SOON AS POSSIBLE

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2	13-3/8	48#	450	450	CIRC TO SURFACE
12-1/4	9-5/8	36#	5150	3500	CIRC TO SURFACE
8-3/4	5-1/2	15.5 & 17	10000	NA	SURFACE

THIS WELL IS PRESENTLY COMPLETED IN THE SOUTH SHOE BAR (DEVONIAN) POOL. PERMISSION IS REQUESTED TO PLUG BACK WITH W/5-1/2 CIBP AND SET @ 10,000 FT & RECOMPLETE IN THE SOUTH SHOE BAR (UPPER) PENNSYLVANIAN POOL.

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

J. W. Dixon

TITLE

ENGINEERING TECHNICIAN

DATE

7/31/91

TYPE OR PRINT NAME

J. W. DIXON

(915)

TELEPHONE NO. 688-2452

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

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

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

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

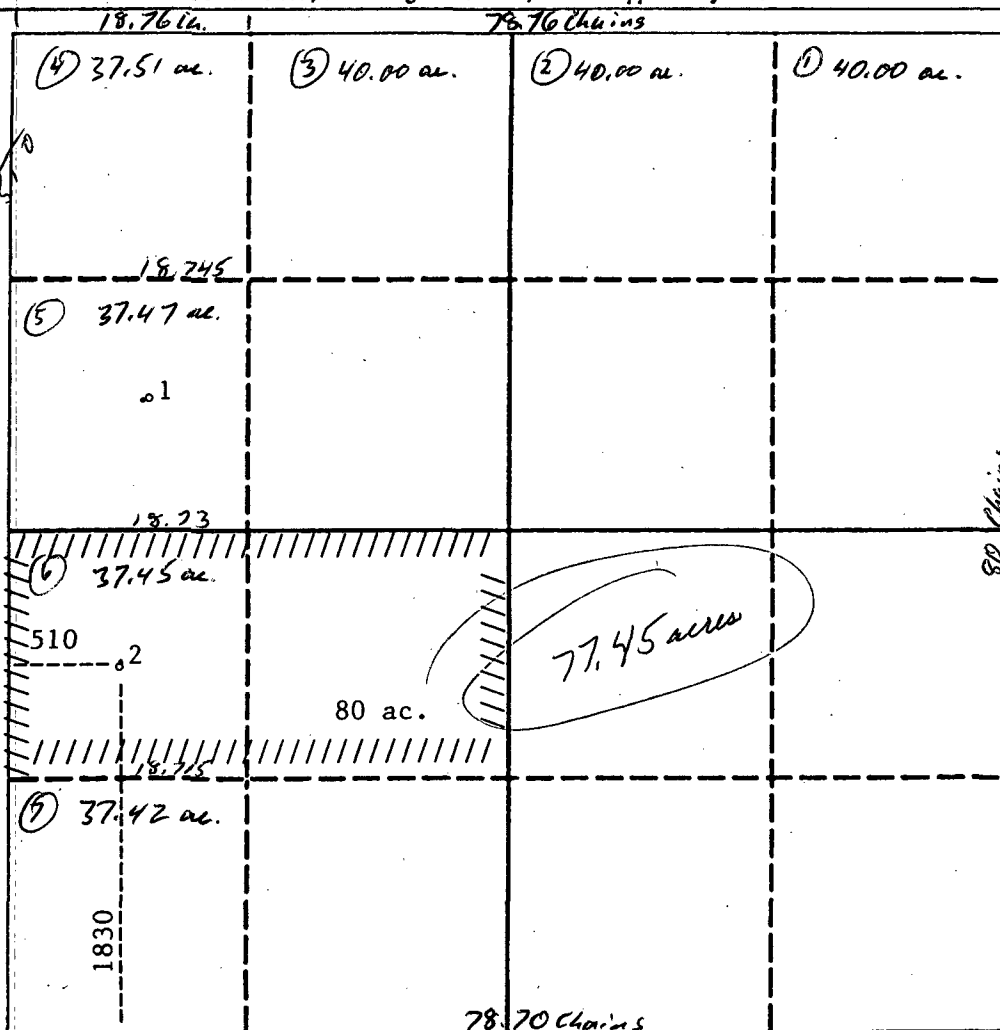
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator MOBIL PRODUCING TX. & N.M. INC.			Lease LOVINGTON DEEP AMOCO STATE		Well No. 2
Unit Letter L	Section 26 6	Township 17S	Range 36E	County NMPM	LEA
Actual Footage Location of Well: 510 feet from the WEST line and 1830 feet from the SOUTH line					
Ground level Elev. 3929 GR	Producing Formation UPPER PENNSYLVANIAN		Pool SOUTH SHOE BAR UPPER PENNSYLVANIAN		Dedicated Acreage: 80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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.

Signature

Printed Name _____

JUDY WAYNE DIXON

Position

ENGINEERING TECHNICIAN II

Company

MOBIL PRODUCING TX & N.M INC

Date _____

7/31/91

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

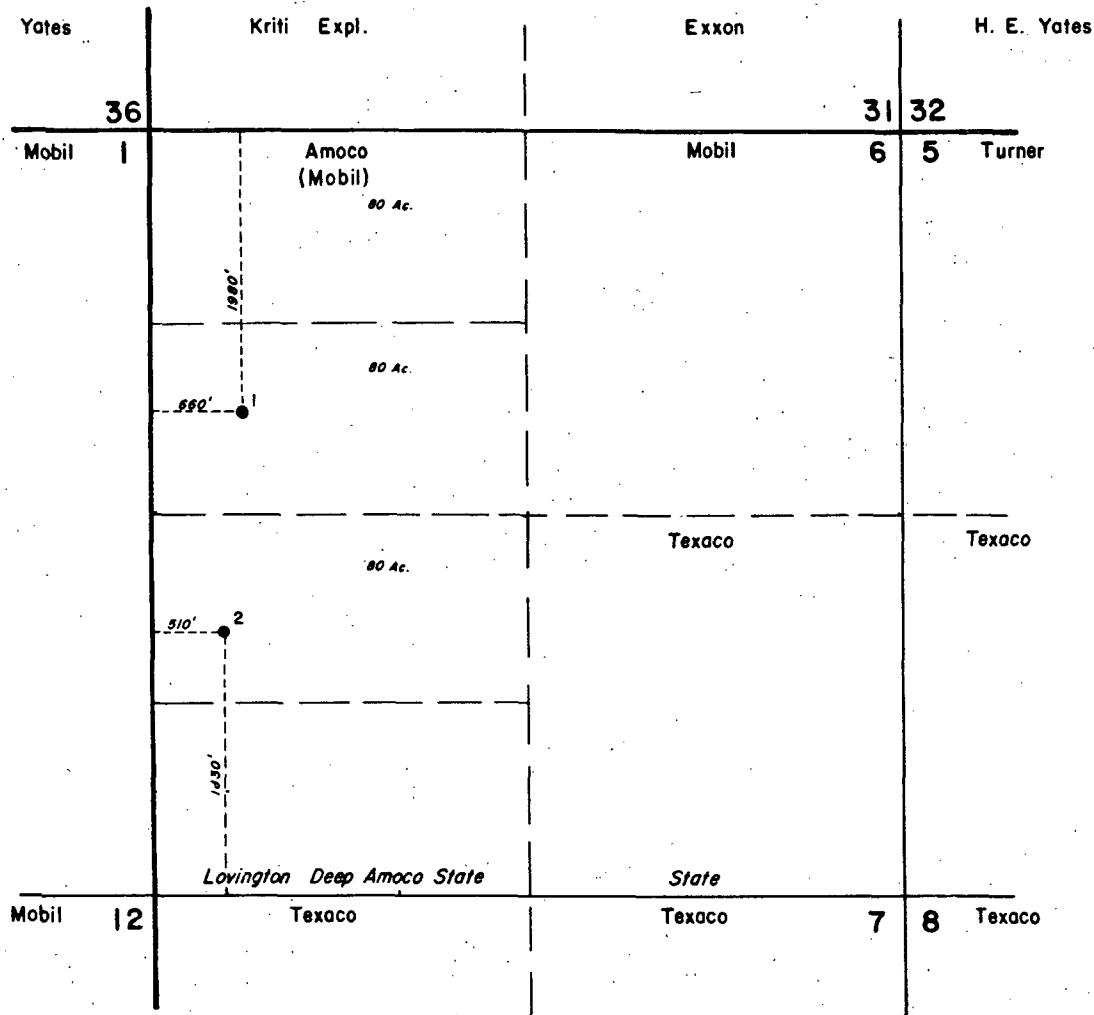
Signature & Seal of
Professional Surveyor

Certificate No. _____

18.754.

629.85 over

THIS DRAWING AND ALL INFORMATION THEREON IS THE PROPERTY OF MOBIL PRODUCING TEXAS & NEW MEXICO INC. AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED. THE DRAWING AND ANY COPIES THEREON (PARTIAL OR COMPLETE) SHALL BE RETURNED TO THE OWNER ON DEMAND.



Reserve _____ Permit Depth _____

Special Instructions _____

THE STATE OF TEXAS
COUNTY OF Midland

I hereby certify that this plat truly represents conditions as they actually exist on this lease; that said plat which is drawn to the scale indicated hereon, is to the best of my knowledge true and correct; that it accurately shows said lease with all wells on same; that number and locations of said wells are as indicated hereon; and that this plat correctly reflects all pertinent and required data.

Judy Nelson

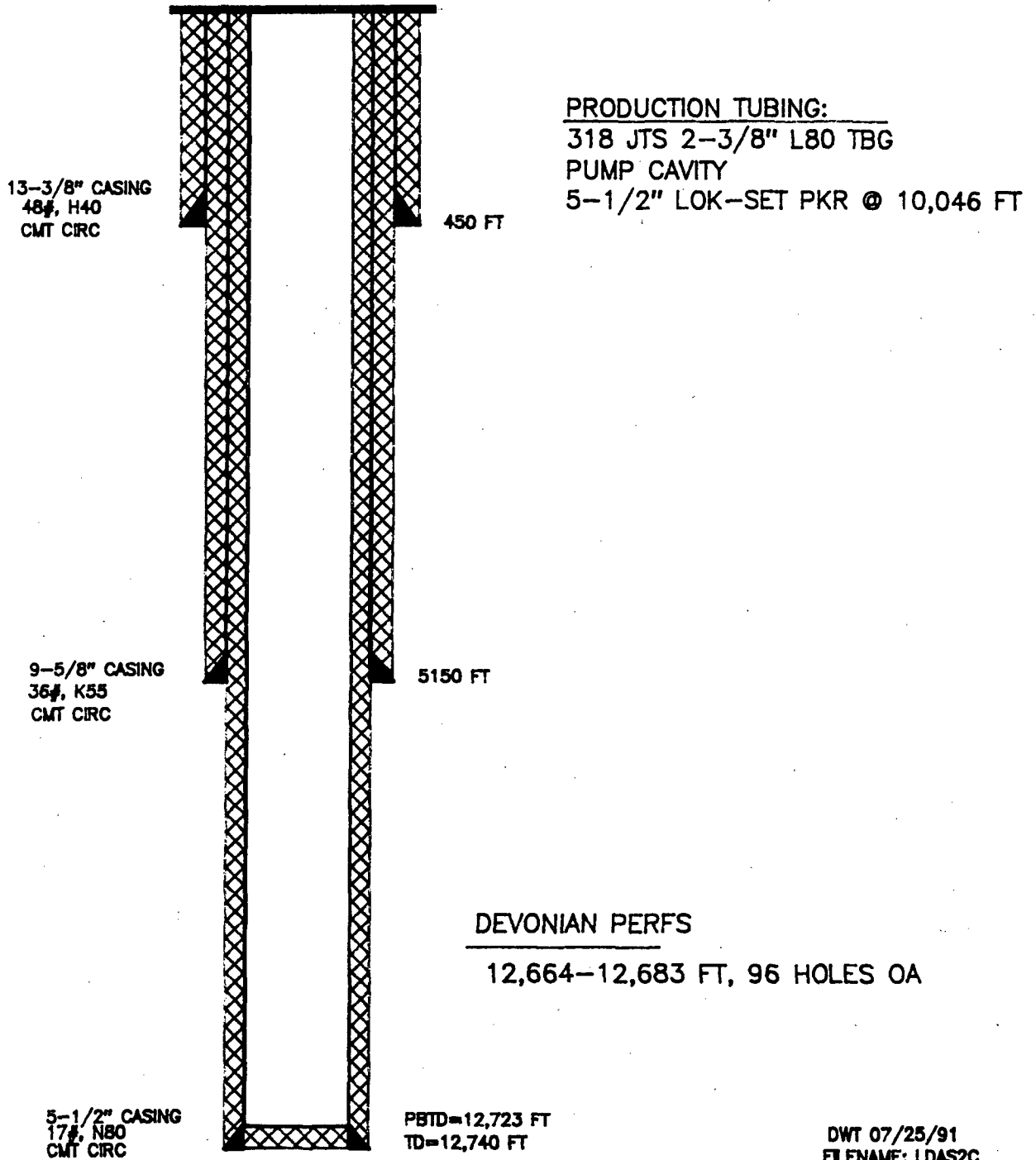
Mobil Producing Texas & New Mexico Inc. Midland Division

LEASE <u>Lovington Deep Amoco State</u>		
WELL NO. _____	DATE _____	19 _____
LEASE NO. _____		
TOTAL ACRES IN LEASE <u>309.85</u> ACRES COVERED BY PLAT <u>309.85</u>		
DESCRIPTION <u>West 2 of Section 6, T-17-S, R-36-E</u>		
<u>6 miles SW from Lovington, N.M.</u>		
<u>Lea County, New Mexico</u>		
DRAWN <u>A.L.W.</u>	DATE <u>10/6/86</u>	FIELD <u>South Shoe Bar -</u>
SCALE <u>1" = 1000'</u>	FILE NO. <u>29</u>	<u>Pennsylvanian</u>

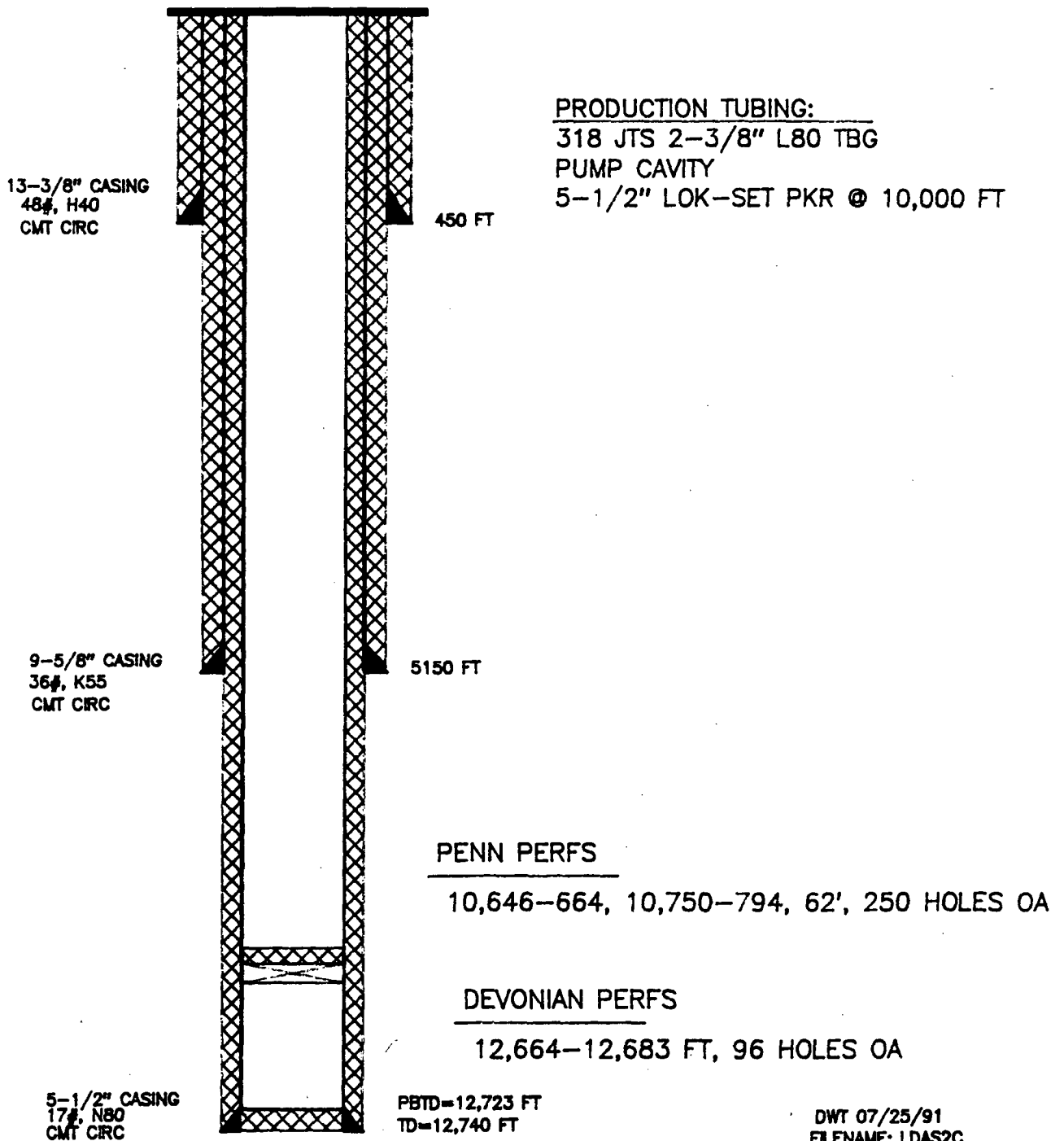
PROCEDURE

1. MIRU PU. NU BOP. RELEASE BAKER LOK-SET PKR AT 10,024 FT. POH W/ 2-3/8" L80 PROD TBG AND PUMP CAVITY. (SEE WBS FOR EQUIPMENT DETAILS) MI \pm 33 JTS 2-3/8" L80 TBG.
2. RIH W/ 4-3/4" BIT AND SCRAPER FOR 5-1/2" 17# N80 CSG ON 2-3/8" PROD TBG. CLEAN OUT CSG TO 11,000 FT. POH W/ SAME.
3. RU WIRELINE SERVICES. RIH W/ CIBP ON WIRELINE AND SET AT 12,600 FT. RECORD FLUID LEVEL WHEN GIH. LOAD CASING (292 BBLs CAPACITY) W/ 2% KCL WATER BASED ON FLUID ALREADY IN THE HOLE. PRESSURE TEST CIBP TO 500 PSI. RIH W/ DUMP BAILER AND DUMP 4 SX CMT ON TOP OF CIBP.
4. RIH W/ 4" CSG GUN AND PERFORATE THE PENN FORMATION FROM 10,646-10,664; 10,750-10,794 FT (62 FT, 250 HOLES OA) USING 22.7 GRAM CHARGES, 4 JSPF, 120° PHASING. CORRELATE TO SCHLUMBERGR CBL DATED 3-28-87. RD WIRELINE SERVICES.
5. RIH W/ RBP & TREATING PKR FOR 5-1/2" 17# L80 CSG ON 2-3/8" PROD TBG. SET RBP @ 10,850 FT. PU PKR 1 JT. SET PKR AND TEST RBP, PKR AND TBG TO 5000 PSI. RLS PKR. PU & SET PKR AT 10,700 FT.
6. RU ACID SERVICES. ACIDIZE PENN PERFS FROM 10,750-10,794 FT W/ 4400 GALS 15% NEFE HCL ACID DROPPING 266 1.3 SG RCNBS EVENLY SPACED THROUGHOUT THE ACID. FLUSH TO BOTTOM PERF W/ 44 BBLs 2% KCL WATER. ANTICIPATED TTP=3000 PSI @ 4 BPM. MAX PRESSURE=5000 PSI.
7. ATTEMPT TO SWAB/FLOW BACK LOAD. RELEASE PKR. RIH AND LATCH ON TO RBP. PU RBP TO 10,700 FT AND SET. PU PKR 10 FT, SET AND TEST RBP TO 5000 PSI. RL PKR, PU PKR TO 10,600 FT AND SET. (CONSULT ENGINEER FOR LENGTH OF SWAB TEST.)
8. RU ACID SERVICES. ACIDIZE PENN PERFS FROM 10,646-10,664 FT W/ 1800 GALS 15% NEFE HCL ACID DROPPING 110 1.3 SG RCNBS EVENLY SPACED THROUGHOUT THE ACID. FLUSH TO BOTTOM PERF W/ 43 BBLs 2% KCL WATER. ANTICIPATED TTP=3000 PSI @ 4 BPM. MAX PRESSURE=5000 PSI.
9. ATTEMPT TO SWAB/FLOW BACK LOAD. RELEASE PKR. RIH AND LATCH ON TO RBP. POH W/ RBP, PKR & TBG. (CONSULT ENGINEER FOR LENGTH OF SWAB TEST.)
10. RIH W/ 2-3/8" PRODUCTION TBG, PUMP CAVITY & 5-1/2" BAKER LOK-SET PKR. SET PKR AT 10,000 FT. ND BOP. NU TBG FLANGE. (SEE WBS FOR EQUIPMENT DETAILS) DROP SV, LOAD HOLE W/ 2% KCL WATER (178 BBL CAPACITY), PRESSURE TEST CSG AND PKR TO 2000 PSI. RETRIEVE SV. NU WELLHEAD. DROP NATIONAL 9A JET PUMP. RDMO. RELEASE WELL TO PRODUCTION.

LOVINGTON DEEP AMOCO STATE
WELL NO. 2
SOUTH SHOE BAR (DEVONIAN) FIELD
CURRENT COMPLETION



LOVINGTON DEEP AMOCO STATE
WELL NO. 2
SOUTH SHOE BAR (PENN) FIELD
PROPOSED COMPLETION



DWT 07/25/91
FILENAME: LDAS2C

MOBIL EXPLORATION & PRODUCING U.S. INC.
UNORTHODOX WELL LOCATION
LOVINGTON DEEP AMOCO STATE
LEA COUNTY, NEW MEXICO

OFFSET OPERATORS

Texaco, Inc.
Attn: Alan R. McDaniel
P.O. Box 3109
Midland, TX 79702

Yates Petroleum Corporation
105 S. Fourth Street
Artesia, New Mexico 88210

Amoco Production Company
P.O. Box 3092
Houston, TX 77253
Attn: Mary Corley
Room 3.258

Exxon Company USA
P.O. Box 1600
Midland, Texas 79702

Kriti Exploration, Inc.
500 Dallas, St. Ste 2700
Houston, TX 77002

Mobil Exploration & Producing U.S. Inc.

Date: July 31, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

P.O. BOX 633
MIDLAND, TEXAS 79702

Yates Petroleum Corporation
105 S. Fourth
Artesia, New Mexico 88210

MIDLAND DIVISION

NOTICE OF APPLICATION FOR
UNORTHODOX WELL LOCATION
LOVINGTON DEEP AMOCO STATE
WELL NO. 2
LEA COUNTY, NEW MEXICO

Gentlemen:

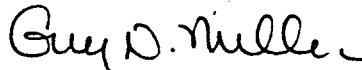
Mobil Exploration & Producing U.S. Inc., (MEPUS), as Agent for Mobil Producing Texas & New Mexico, Inc., is requesting authority to recomplete the Lovington Deep Amoco State Well No. 1 on an unorthodox location, under the provisions of Rule 104 (F). Attached to this letter is a copy of the application to drill and corresponding plats, showing the exact location of the subject well.

If you have no objection to this application, please sign the attached waiver and mail three copies to MEPUS. An addressed, stamped envelope is enclosed for your convenience.

Please call J. W. Dixon at (915) 688-2452 if any further information is needed.

Yours very truly,

MOBIL EXPLORATION & PRODUCING U.S. INC.
AS AGENT FOR
MOBIL PRODUCING TEXAS & NEW MEXICO INC.



G. N. Miller
Environmental, Regulatory and
Loss Prevention Supervisor

JWDixon
Attachments

cc: Oil Conservation Division - Hobbs

Mobil Exploration & Producing U.S. Inc.

Date: July 31, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

P.O. BOX 633
MIDLAND, TEXAS 79702

Texaco, Inc.
P.O. Box 3109
Midland, Texas 79702

MIDLAND DIVISION

Attn: Alan R. McDaniel

NOTICE OF APPLICATION FOR
UNORTHODOX WELL LOCATION
LOVINGTON DEEP AMOCO STATE
WELL NO. 2
LEA COUNTY, NEW MEXICO

Gentlemen:

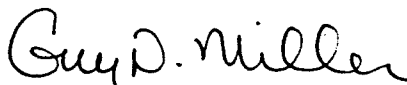
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AS AGENT FOR
MOBIL PRODUCING TEXAS & NEW MEXICO INC.



G. N. Miller
Environmental, Regulatory and
Loss Prevention Supervisor

JWDixon
Attachments

cc: Oil Conservation Division - Hobbs

Mobil Exploration & Producing U.S. Inc.

Date: July 31, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

Amoco Production Company
P.O. Box 3092
Houston, Texas 77253
Attn: Mary Corley

NOTICE OF APPLICATION FOR
UNORTHODOX WELL LOCATION
LOVINGTON DEEP AMOCO STATE
WELL NO. 2
LEA COUNTY, NEW MEXICO

Gentlemen:

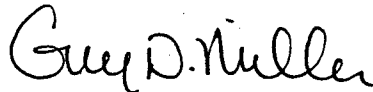
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Please call J. W. Dixon at (915) 688-2452 if any further information is needed.

Yours very truly,

MOBIL EXPLORATION & PRODUCING U.S. INC.
AS AGENT FOR
MOBIL PRODUCING TEXAS & NEW MEXICO INC.



G. N. Miller
Environmental, Regulatory and
Loss Prevention Supervisor

JWDixon
Attachments

cc: Oil Conservation Division - Hobbs

Mobil Exploration & Producing U.S. Inc.

Date: July 31, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

Exxon Company U.S.A.
P. O. Box 1600
Midland, TX 79702

NOTICE OF APPLICATION FOR
UNORTHODOX WELL LOCATION
LOVINGTON DEEP AMOCO STATE
WELL NO. 2
LEA COUNTY, NEW MEXICO

Gentlemen:

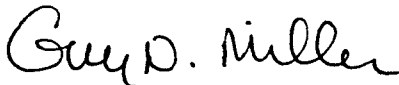
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Please call J. W. Dixon at (915) 688-2452 if any further information is needed.

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MOBIL EXPLORATION & PRODUCING U.S. INC.
AS AGENT FOR
MOBIL PRODUCING TEXAS & NEW MEXICO INC.



G. N. Miller
Environmental, Regulatory and
Loss Prevention Supervisor

JWDixon
Attachments

cc: Oil Conservation Division - Hobbs

Mobil Exploration & Producing U.S. Inc.

Date: July 31, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

P.O. BOX 633
MIDLAND, TEXAS 79702

MIDLAND DIVISION

Kriti Exploration, Inc.
500 Dallas St., Ste 2700
Houston, TX 77002

NOTICE OF APPLICATION FOR
UNORTHODOX WELL LOCATION
LOVINGTON DEEP AMOCO STATE
WELL NO. 2
LEA COUNTY, NEW MEXICO

Gentlemen:

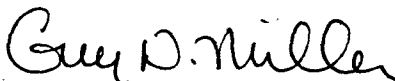
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Please call J. W. Dixon at (915) 688-2452 if any further information is needed.

Yours very truly,

MOBIL EXPLORATION & PRODUCING U.S. INC.
AS AGENT FOR
MOBIL PRODUCING TEXAS & NEW MEXICO INC.



G. N. Miller
Environmental, Regulatory and
Loss Prevention Supervisor

JWDixon
Attachments

cc: Oil Conservation Division - Hobbs

W A I V E R

Mobil Exploration & Producing U.S. Inc.
P.O. Box 633
Midland, TX 79702

Attn: J. W. Dixon

UNORTHODOX WELL LOCATIONS
LOVINGTON DEEP AMOCO STATE
WELL NO. 2
SOUTH SHOEBAR UPPER PENNSYLVANIAN POOL
LEA COUNTY, NEW MEXICO

Gentlemen:

We, the undersigned, have been furnished a copy of Mobil Exploration & Producing U.S. Inc., as Agent for Mobil Producing Texas & New Mexico Inc.'s application to drill the subject well on an unorthodox location under the provisions of Rule 104 (F). Please be informed that we, as an offset operator, have no objection to the drilling of this well as set forth in MEPUS's application dated July 31, 1991.

Yours truly,

COMPANY: _____
REPRESENTATIVE: _____
SIGNATURE: _____
TITLE: _____
DATE: _____



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

OIL CONSERVATION DIVISION

RECEIVED

'91 AUG 8 AM 9 02

8-7-91

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 _____

Gentlemen:

I have examined the application for the:

Mobil Producing TX + NM Inc. Lovington Deep amoco State #2-L
Operator Lease & Well No. Unit S-T-R 6-17-36

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed