

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Arcoma, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address: UMC Petroleum Corporation 410 17th Street, Suite 1400 Denver, Colorado 80202		OGRID Number 23654
		API Number 30-025-33713
Property Code 20032	Property Name Townsend State	Well No. 1

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
16	2	16S	35E		3526	South	727	East	Lea

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
17	2	16S	35E		2500	South	350	East	Lea

Proposed Pool 1 South Big Dog Strawn	Proposed Pool 2
---	-----------------

Work Type Code P (Horizontal)	Well Type Code 0	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3983'
Multiple NO	Proposed Depth See Attached	Formation Strawn	Contractor Sierra Well Serv.	Spud Date 12/19/96

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
See attached	completion report and wellbore diagrams				

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

- See attached sheets
- 1) Wellbore diagrams
 - 2) Re-completion summary
 - 3) Directional program
 - 4) Completion report



BOP Program: Rotating Head blowout preventer=12" 3000 psi type double ram.
12" 3000 psi GK, 200 gal 5 station Koomey Air electric 4" 3000 psi Manifold.

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

Signature:

Printed name: Scott M. Webb

Title: Regulatory Coordinator

Date: 5/27/97 Phone: (303) 573-4721

OIL CONSERVATION DIVISION

Approved by:

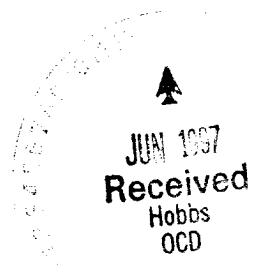
Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐



DISTRICT I

P.O. Box 1000, Hobbs, NM 88241-1000

DISTRICT II

P.O. Box 80, Artesia, NM 88211-0080

DISTRICT III

1000 Rio Brazos Rd., Artesia, NM 87410

DISTRICT IV

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

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-33713	Pool Code XXXXXX 96690	Pool Name XXXXXXXXXXXXXXXXXXXX South Big Dog
Property Code 20032	Property Name TOWNSEND STATE	Well Number 1
OGRID No. 23654	Operator Name UMC PETROLEUM CORPORATION	Elevation 3983

Surface Location

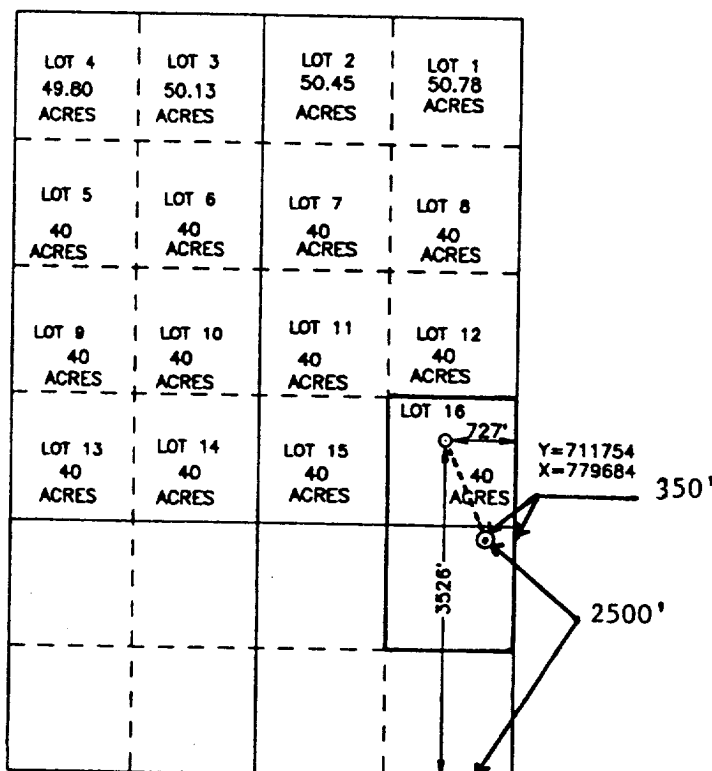
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
16	2	16 S	35 E		3526	SOUTH	727	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
17	2	16S	35E		2500'	South	350	East	Lea

Dedicated Acres 80	Joint or Infill	Consolidation Code	Order No.
-----------------------	-----------------	--------------------	-----------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Scott M. Webb
Signature

Scott M. Webb
Printed Name

Regulatory Coordinator
Title

5/5/97
Date

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 belief.

NOVEMBER 29, 1996

Date Surveyed G. EIDSON JLP

Signature of G. EIDSON
Professional Surveyor

G. EIDSON
11-29-96

W.O. Num. 96-11-1577

Certified by JOHN R. WEST, 676
EDSON, 3239
BARRY R. EIDSON, 12941

JUN 1997
Received
Hobbs
OCD

Townsend State #1

Proposed Horizontal Re-completion

Procedure:

- 1) Re-enter well, set 40' type "H" neat cement plug at 11,463 md.
- 2) Mill 5-1/2" casing at md 11,460 feet. Dress cement to KOP of 11,463'.
- 3) Drill build section at 71 degrees per 100' md.
- 4) Drill lateral section to specified depth/length of 12,602 md/11,525' tvd.
- 5) Directional surveys will be conducted by a MWD device in the motor bit.

Wellbore Specifics:

KOP:	11,463' md.
Rate of Build:	71 degrees per 100'.
End of Build:	11,591' md / 11,534' tvd.
Total Depth:	12,602' md / 11,525' tvd.
Open Hole Lateral:	1093' md.

Surface Hole Location:

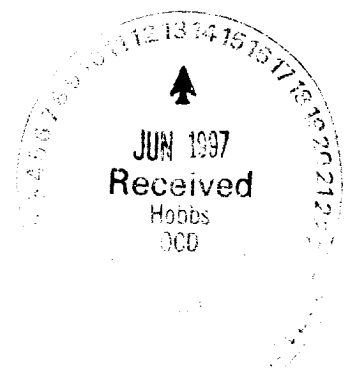
3526' FSL & 727' FEL, Lot 16, Section 2-T16S-R35E, Lea County.

Bottom Hole Location:

2500' FSL & 350' FEL, Lot 17, Section 2-T16S-R35E, Lea County.

(1026' South of surface & 377' East of surface)

Dedicated Acreage: 80 Acres



Townsend State #1
Loc. 16, Sec. 2-T16S-R35E
Lea County, New Mexico
Proposed Horizontal Recompletion

SHL: 3526' FSL & 727' FEL
Lot 16, Section 2-T16S-R35E

13-3/8" 48# Casing @ 400'.
Cemented to surface with 405 sx.

8-5/8" 32# surface casing @ 4750'
Cemented to surface with 1675 sx

TOC @ 7140'

BHL: 2500' FSL & 350' FWL
Lot 17, Section 2-T16S-R35E

Build Rate :
71 Degrees/100 feet

KOP: 11,463' md

Lateral Section 1093' md

40' Cement Plug

(Open Hole)

Strawn Perfs:
11,501' - 11,540'

5-1/2" 17# @ 11,805'
Cemented with 1200 sx

TDMD 12,602'
TDTVD 11,525'

TD 11,805'

DIRECTIONAL PLAN

UMC PETROLEUM CORP.

Structure : TOWNSEND STATE NO. 1

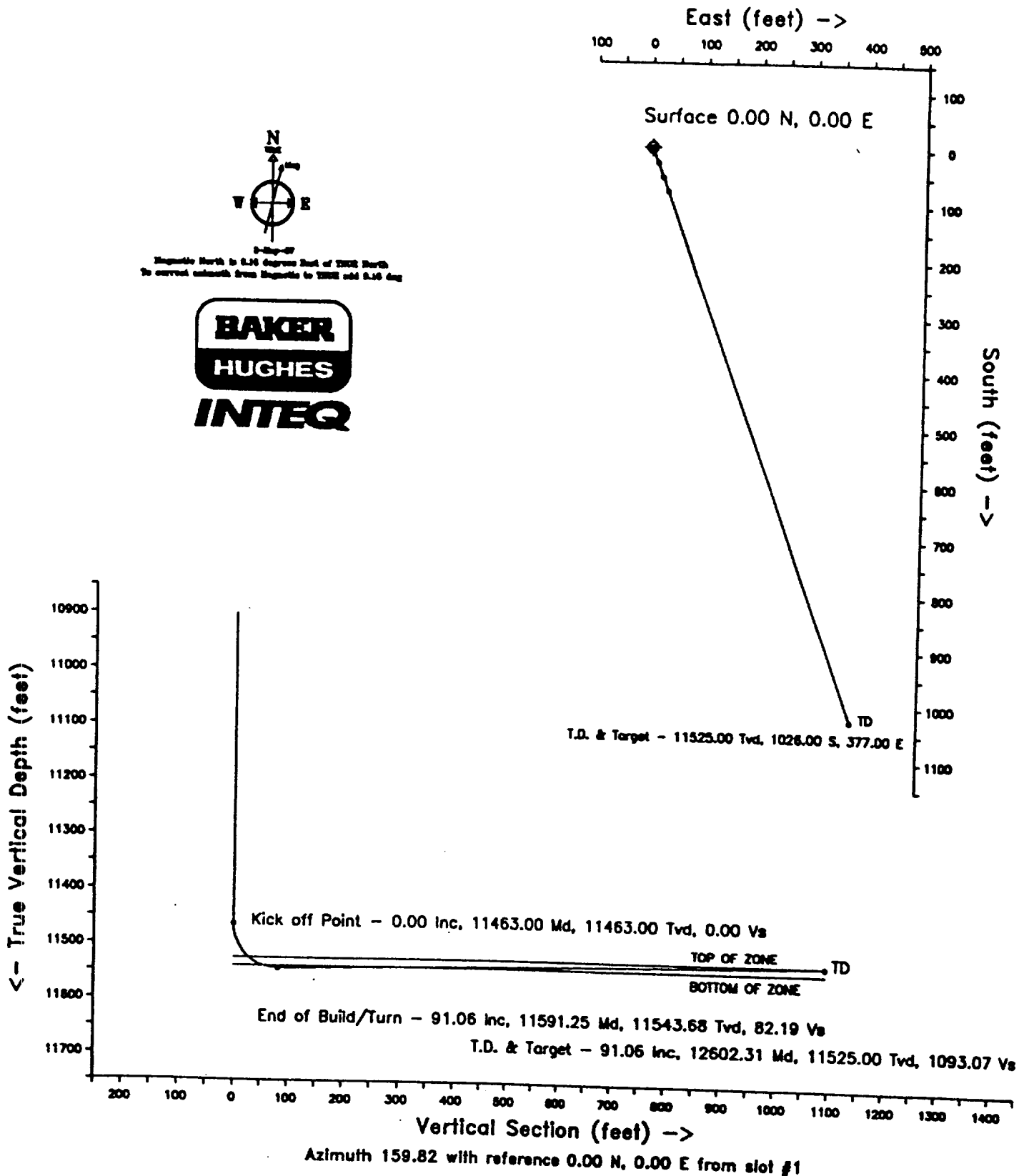
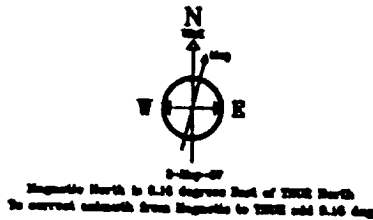
Slot : slot #1

Field : TOWNSEND

Location : LEA CO., NEW MEXICO

WELL PROFILE DATA

Feet	Inc	Md	Tvd	Vs	Inc	Md	Tvd	Vs
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11463.00	0.00	0.00	11463.00	0.00	0.00	0.00	0.00	0.00
11591.25	91.06	11591.25	11543.68	82.19	0.00	0.00	0.00	0.00
11525.00	0.00	11525.00	1093.07	0.00	0.00	0.00	0.00	0.00





JUN 1997

Received

Hobbs

OCD

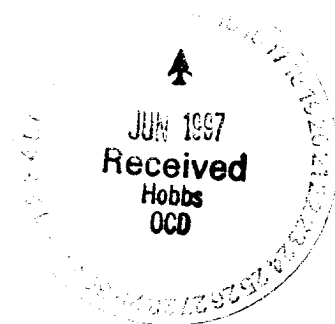
UMC PETROLEUM CORP.
TOWNSEND STATE NO. 1, slot #1
TOWNSEND, LEA CO., NEW MEXICO

PROPOSAL LISTING Page 1
Your ref : BUR= 71 DEG/100' / \
Last revised : 2-May-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
11463.00	0.00	0.00	11463.00	0.00 N	0.00	0.00
11500.00	26.27	159.82	11498.72	7.82 S	71.00	8.33
11533.71	50.20	159.82	11525.00	27.26 S	71.00	29.04
11565.23	72.59	159.82	11540.00	53.08 S	71.00	56.55
11591.25	91.06	159.82	11543.68	77.15 S	71.00	82.19
12000.00	91.06	159.82	11536.13	460.75 S	0.00	490.87
12500.00	91.06	159.82	11526.89	929.99 S	0.00	990.78
12602.31	91.06	159.82	11525.00	1026.00 S	0.00	1093.07
						TD

TOP OF PAY
BOTTOM OF PAY

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 1093.07 on azimuth 159.82 degrees from wellhead.
Vertical section is from wellhead on azimuth 159.82 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ



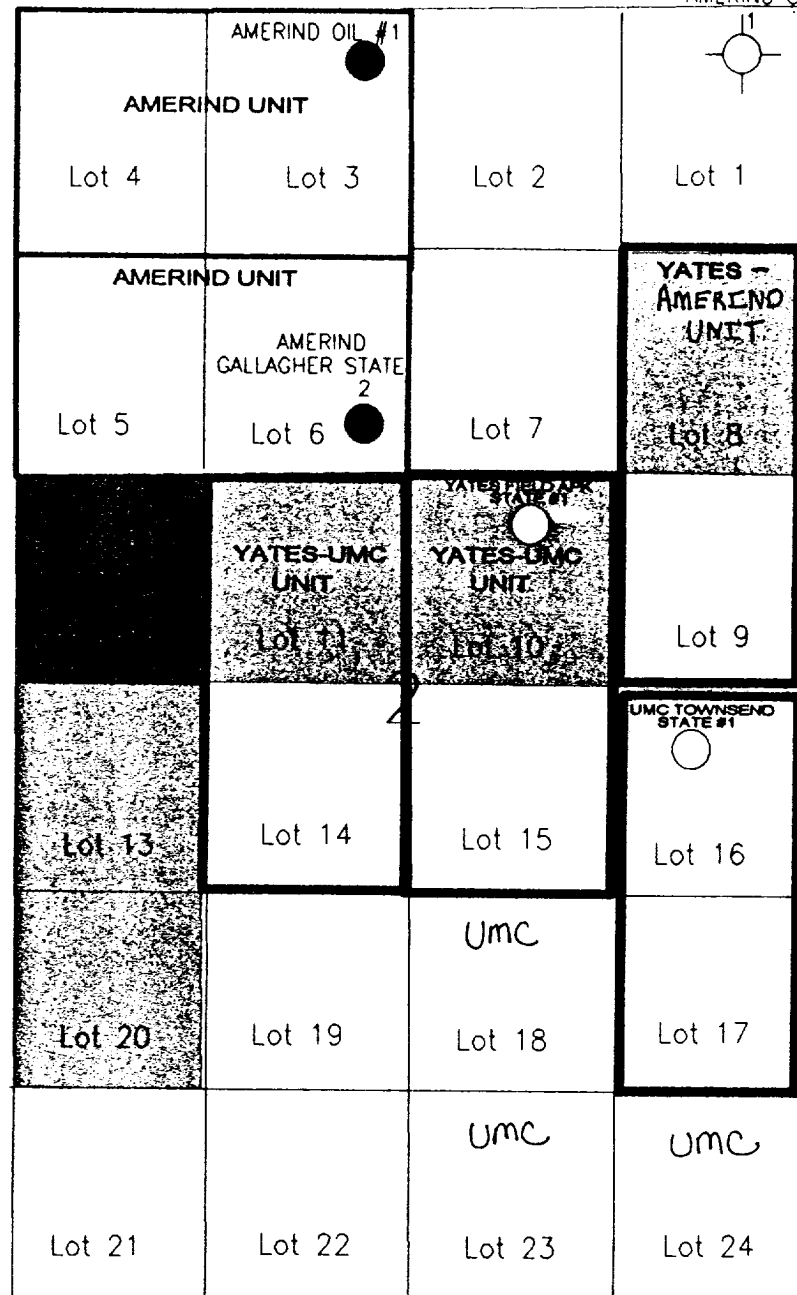
GILLESPIE

2

R 35 E

AMERIND OIL

T
16
S



UMC Petroleum Corporation	
NEW MEXICO OIL CO	
Geol. B.E. Blume	
occl. leg.	

EXHIBIT

B

OFFSET OPERATORS AND WORKING INTEREST OWNERS

Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210

Amerind Oil Company, Ltd.
415 West Wall
Suite 500
Midland, Texas 79701

Charles B. Gillespie, Jr.
P. O. Box 8
Midland, Texas 79702

UMC Petroleum Corporation
410 17th Street
Suite 1400
Denver, Colorado 80202



JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

SUITE B
612 OLD SANTA FE TRAIL
SANTA FE, NEW MEXICO 87501

(505) 982-2043
(505) 982-2151 (FAX)

June 16, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Charles B. Gillespie, Jr.
P.O. Box 8
Midland, Texas 79702

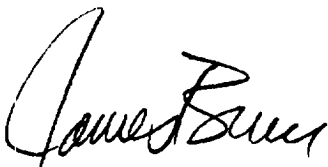
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210

Amerind Oil Company, Ltd.
Suite 500
415 West Wall
Midland, Texas 79701

Gentlemen:

Enclosed is a copy of an application filed by UMC Petroleum Corporation with the New Mexico Oil Conservation Division seeking administrative approval for directional drilling of the Townsend State Well No. 1, located in the Lot 16 of Section 2, Township 16 South, Range 35 East, NMPM, Lea County, New Mexico. UMC's records show that you own an interest offsetting the above well. If you have any objection to the application, you must notify the Division in writing no later than 20 days from the date of this letter, at its Santa Fe office (2040 South Pacheco Street, Santa Fe, New Mexico 87505, Attention: Michael E. Stogner).

Very truly yours,


James Bruce

