



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

October 16, 1996

**Texaco Exploration & Production Inc.**  
**205 E. Bender Blvd.**  
**Hobbs, New Mexico 88240**  
**Attention: Monte C. Duncan**

*Administrative Order DD-145-A(NSBHL)*

Dear Mr. Duncan:

Reference is made to your application dated September 17, 1996 for approval to recomplete the New Mexico "N" State Well No. 10 (API No. 30-025-33434), located on the surface 800 feet from the South line and 510 feet from the West line (Lot 4/Unit M) of Section 30, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico, into the Vacuum-Upper Pennsylvanian Pool at an unorthodox subsurface oil well location.

**The Division Director Finds That:**

- (1) By Division Administrative Order DD-145, dated May 7, 1996, Texaco Exploration & Production Inc. ("Texaco") was authorized to drill said New Mexico "N" State Well No. 10 from a standard surface oil well location 800 feet from the South line and 510 feet from the West line (Lot 4/Unit M) of said Section 30, drill vertically to an approximate depth of 8,000 feet, kick-off in a south-southwesterly direction, and drill directionally to a targeted standard bottomhole oil well location within the Atoka formation being approximately 380 feet from the South and West lines of said Section 30. The 37.59-acre tract comprising Lot 4 (the SW/4 SW/4 equivalent) of said Section 30 was dedicated to said well to form a (standard) oil spacing and proration unit for wildcat Atoka oil production. Said order DD-145 ascribed the applicable drilling window or "producing area" for said wellbore as that area within Lot 4 (the SW/4 SW/4 equivalent) of said Section 30 being no closer than 330 feet to the outer boundary of said dedicated 37.59-acre tract;
- (2) From well data on file with the New Mexico Oil Conservation Division the New Mexico "N" State Well No. 10 was drilled to a total depth of 11,536 feet in July, 1996, after the Atoka interval between 11,132 feet to 11,252 feet tested dry the Upper Pennsylvanian zone from 10,088 feet to 10,184 feet was completed;

SECRET  
U.S. GOVERNMENT PRINTING OFFICE  
1964

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*[Handwritten Signature]*  
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STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

May 7, 1996

**Texaco Exploration and Production, Inc.**  
**P. O. Box 3109**  
**Midland, Texas 79702**  
**Attention: C. W. Howard**

*Administrative Order DD-145*

Dear Mr. Howard:

Under the provisions of **Rules 111.D and E** of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995, Texaco Exploration and Production Inc. ("Texaco") made application to the New Mexico Oil Conservation Division on March 15, 1996 for authorization to directional drill its proposed New Mexico "N" State Well No. 10, Lea County, New Mexico.

**The Division Director Finds That:**

- (1) The proposed wellbore, to be drilled to a pre-determined bottom-hole location in the Atoka formation to test for oil production, is subject to the statewide rules and regulations for oil wells, as promulgated by **Rules 104.C(2)(c)**, which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to any boundary of such tract;
- (2) The 37.59 acres tract comprising Lot 4 (the SW/4 SW/4 equivalent) of said Section 30 is to be dedicated to said well to form a (standard) oil spacing and proration unit for said pool;
- (3) Texaco is requesting to directional drill this well in a conventional manner because surface obstructions prevent drilling at the proposed bottom-hole location;
- (4) It is Texaco's intent to place its New Mexico "N" State Well No. 10 at a standard surface oil well location 800 feet from the South line and 510 feet from the West line (Lot 4/Unit M) of Section 30, Township 17 South, Range 35 East, NMPM,

Lea County, New Mexico, drill vertically to an approximate depth of 8,000 feet, kick-off in a south-southwesterly direction, and drill directionally to a targeted standard bottomhole oil well location that is approximately 380 feet from the South and West lines of said Section 30;

- (5) The applicable drilling window or "producing area" for said wellbore should include that area within Lot 4 (the SW/4 SW/4 equivalent) of said Section 30 that is no closer than 330 feet to the outer boundary of said dedicated 37.59-acre tract; and,
- (6) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said **Rule 111.D** and **E**, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of **Division General Rule 111**.

**IT IS THEREFORE ORDERED THAT:**

(1) Texaco Exploration and Production, Inc. ("Texaco") is hereby authorized to drill its New Mexico "N" State Well No. 10 from a standard surface oil well location 800 feet from the South line and 510 feet from the West line (Lot 4/Unit M) of Section 30, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico, drill vertically to an approximate depth of 8,000 feet, kick-off in a south-southwesterly direction, and drill directionally to a targeted standard bottomhole oil well location that is approximately 380 feet from the South and West lines of said Section 30.

(2) The 37.59-acre tract comprising Lot 4 (the SW/4 SW/4 equivalent) of said Section 30 shall be dedicated to said well to form a (standard) oil spacing and proration unit for said pool.

(3) The applicable drilling window or "producing area" for said wellbore shall consist of that area within Lot 4 (the SW/4 SW/4 equivalent) of said Section 30 that is no closer than 330 feet to the outer boundary of said dedicated 37.59-acre tract.

**PROVIDED HOWEVER THAT** prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

**PROVIDED FURTHER THAT** during or upon completion of said directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(4) The applicant shall notify the supervisor of the Hobbs District office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Hobbs offices of the Division upon completion.

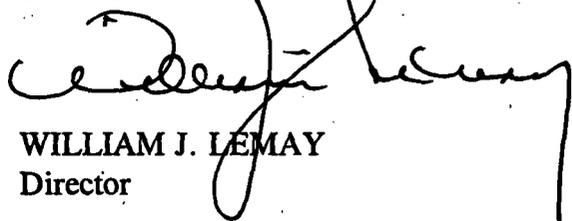
(5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F.

(6) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY  
Director

SEAL

cc: Oil Conservation Division - Hobbs  
New Mexico State Land Office - Santa Fe

DD-TEX. 2

Rec: 3-15-96

Susp: 4-4-96

Released: 5-6-96

May 6, 1996

**Texaco Exploration and Production, Inc.**  
**P. O. Box 3109**  
**Midland, Texas 79702**

**Attention: C. W. Howard**

Administrative Order DD-~~\*\*\*~~<sup>145</sup>

Dear Mr. Howard:

Under the provisions of **Rules 111.D and E** of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995, Texaco Exploration and Production Inc. ("Texaco") made application to the New Mexico Oil Conservation Division on March 15, 1996 for authorization to directional drill its proposed New Mexico "N" State Well No. 10, Lea County, New Mexico.

**The Division Director Finds That:**

- (1) The proposed wellbore, to be drilled to a pre-determined bottom-hole location in the Atoka formation to test for oil production, is subject to the statewide rules and regulations for oil wells, as promulgated by **Rules 104.C(2)(c)**, which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to any boundary of such tract;
- (2) The 37.59 acres tract comprising Lot 4 (the SW/4 SW/4 equivalent) of said Section 30 is to be dedicated to said well to form a (standard) oil spacing and proration unit for said pool;
- (3) Texaco is requesting to directional drill this well in a conventional manner because surface obstructions prevent drilling at the proposed bottom-hole location;
- (4) It is Texaco's intent to place its New Mexico "N" State Well No. 10 at a standard surface oil well location 800 feet from the South line and 510 feet from the West line (Lot 4/Unit M) of Section 30, Township 17 South, Range 35 East, NMPM,

Lea County, New Mexico, drill vertically to an approximate depth of 8,000 feet, kick-off in a south-southwesterly direction, and drill directionally to a targeted standard bottomhole oil well location that is approximately 380 feet from the South and West lines of said Section 30;

- (5) The applicable drilling window or "producing area" for said wellbore should include that area within Lot 4 (the SW/4 SW/4 equivalent) of said Section 30 that is no closer than 330 feet to the outer boundary of said dedicated 37.59-acre tract; and,
- (6) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said **Rule 111.D** and **E**, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of **Division General Rule 111**.

**IT IS THEREFORE ORDERED THAT:**

(1) Texaco Exploration and Production, Inc. ("Texaco") is hereby authorized to drill its New Mexico "N" State Well No. 10 from a standard surface oil well location 800 feet from the South line and 510 feet from the West line (Lot 4/Unit M) of Section 30, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico, drill vertically to an approximate depth of 8,000 feet, kick-off in a south-southwesterly direction, and drill directionally to a targeted standard bottomhole oil well location that is approximately 380 feet from the South and West lines of said Section 30.

(2) The 37.59-acre tract comprising Lot 4 (the SW/4 SW/4 equivalent) of said Section 30 shall be dedicated to said well to form a (standard) oil spacing and proration unit for said pool.

(3) The applicable drilling window or "producing area" for said wellbore shall consist of that area within Lot 4 (the SW/4 SW/4 equivalent) of said Section 30 that is no closer than 330 feet to the outer boundary of said dedicated 37.59-acre tract.

**PROVIDED HOWEVER THAT** prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

**PROVIDED FURTHER THAT** during or upon completion of said directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(4) The applicant shall notify the supervisor of the Hobbs District office of the Division of the date and time said wellbore surveys are to be conducted so that they may be

witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Hobbs offices of the Division upon completion.

(5) The operator shall comply with all requirements and conditions set forth in **Division General Rule 111.E(2)** and any applicable requirements in **111.D** and **F**.

(6) Form C-105 shall be filed in accordance with **Division Rule 1105** and the operator shall indicate thereon true vertical depth in addition to measured depths.

(7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY  
Director

S E A L

cc: Oil Conservation Division - Hobbs  
New Mexico State Land Office - Santa Fe



15

Texaco Exploration  
and Production Inc

500 North Loraine  
Midland TX 79701

P O Box 3109  
Midland TX 79702

March 5, 1996

GOV - STATE AND LOCAL GOVERNMENTS  
Directional Drilling  
New Mexico "N" State Well No. 10  
Wildcat Atoka Field  
Lea County, New Mexico

OIL CONSERVATION DIVISION  
RECEIVED

MAR 15 1996 8 52

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Attention: Mr. Michael E. Stogner

Gentlemen:

Administrative approval, Rule 111 c.2, is requested to directionally drill the captioned well to an orthodox bottomhole location.

This well must be directionally drilled because surface obstructions prevented staking it at the proposed bottom-hole location. It will be completed in the Atoka formation as a forty-acre oil well. Attached for your information is a copy of our directional plans, a type log section, and Form C-102.

The "affected" offset operators to this well have been notified of this request (see attached offset operator's list and certified mail receipts).

Any questions concerning this request should be directed to me at (915) 688-4606.

Yours very truly,

*C. Wade Howard*

C. W. Howard  
Engineer's Assistant

CWH:

CC: NMOCD, P. O. Box 19

Attachments

*Call for more*  
*John*  
*Howard*  
*3/12/96*

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

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

Instructions on back

OIL CONSERVATION DIVISION

PO Box 2088  
Santa Fe, NM 87504-2088

Submit to Appropriate District Office

State Lease-4 copies  
Fee Lease-3 copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

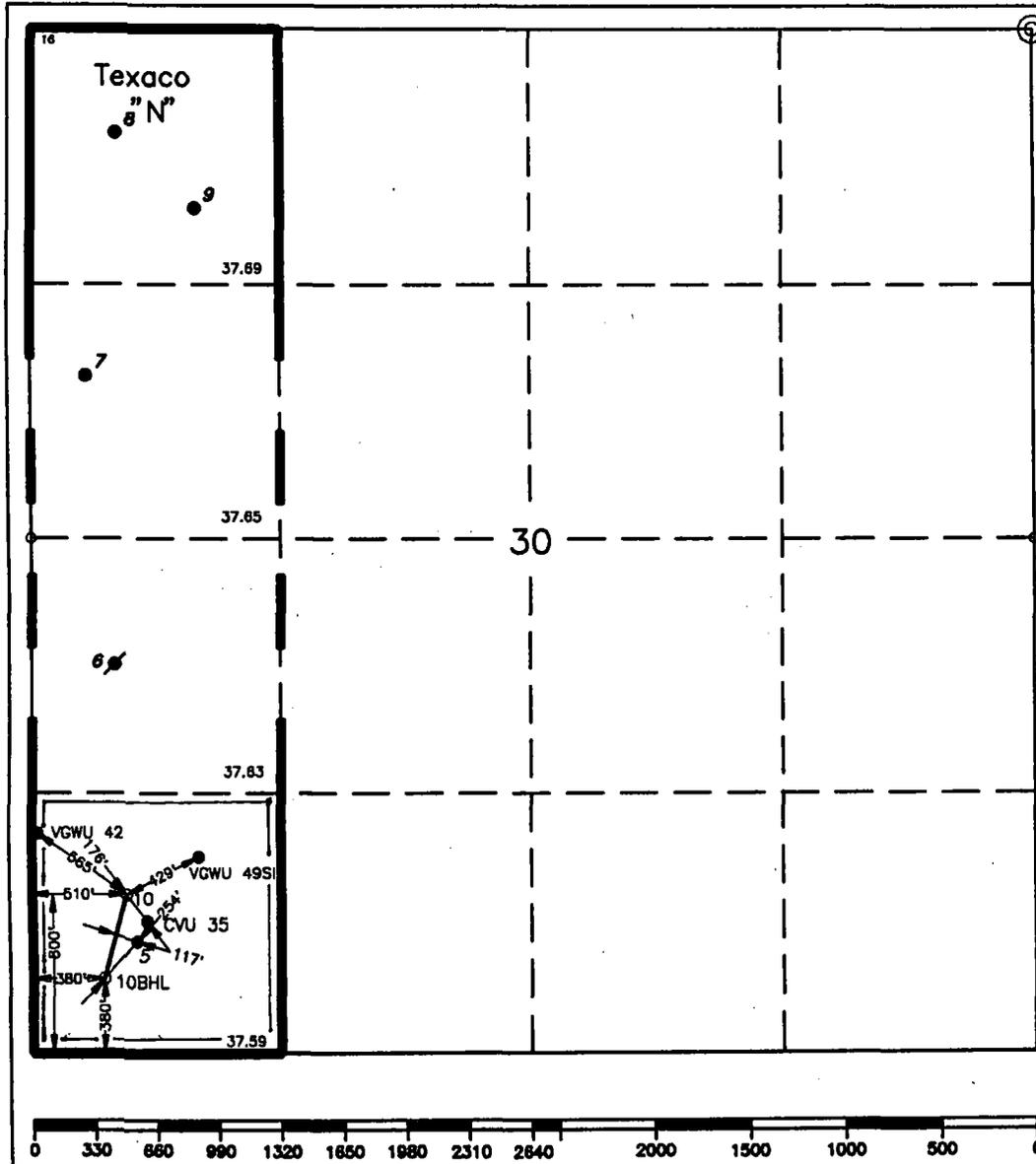
<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name Wildcat; Atoka	
<sup>4</sup> Property Code 11047		<sup>5</sup> Property Name New Mexico "N" State			<sup>6</sup> Well Number 10
<sup>7</sup> GRID No. 22351		<sup>8</sup> Operator Name TEXACO EXPLORATION & PRODUCTION, INC.			<sup>9</sup> Elevation 3989'

<sup>10</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	<sup>7</sup> County
M	30	17-S	35-E		800'	South	510'	West	Lea

<sup>11</sup> 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	<sup>7</sup> County
M	30	17-S	35-E		380'	South	380'	West	Lea

<sup>12</sup> Dedicated Acres 37.59	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.



<sup>16</sup> OPERATOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	<i>C. Wade Howard</i>
Printed Name	C. Wade Howard
Position	Engineer's Assistant
Company	Texaco Expl. & Prod. Inc.
Date	March 1, 1996
<sup>17</sup> 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	February 13, 1996
Signature & Seal of Professional Surveyor	<i>John S. Piper</i>
Certificate No.	7254 John S. Piper
Sheet	



Texaco Exploration  
and Production Inc

500 North Loraine  
Midland TX 79701

P O Box 3109  
Midland TX 79702

March 5, 1996

GOV - STATE AND LOCAL GOVERNMENTS

Directional Drilling  
New Mexico "N" State Well No. 10  
Sec. 30, T-17-S, R-35-E  
Lea County, New Mexico

TO THE OFFSET OPERATORS

Gentlemen:

As an offset operator to the captioned lease, you are being furnished with a copy of our Application to directionally drill the captioned well. If you have no objection, please sign the waiver at the bottom of this letter and return in the enclosed envelope.

Any questions concerning this request should be directed to me at (915) 688-4606.

Yours very truly,

C. W. Howard  
Engineer's Assistant

CWH:cwh

File

**WAIVER APPROVED:**

**COMPANY:** \_\_\_\_\_

**BY:** \_\_\_\_\_

**DATE:** \_\_\_\_\_



**OFFSET OPERATOR'S LIST  
New Mexico "N" State Well No. 10  
LEA COUNTY, NEW MEXICO**

**Texaco Exploration and Production Inc.  
P. O. Box 3109  
Midland, Texas 79702**

**Marathon Oil Company  
P. O. Box 552  
Midland, TX 79702**

**Shell Western E & P Inc.  
P. O. Box 576  
Houston, TX 77001**

**Apache Coproration  
2000 Post Oak Blvd., Ste. 100  
Houston, TX 77056**

**Mobil Exploration and Producing US Inc.  
P. O. Box 633  
Midland, TX 79702**

**Is your RETURN ADDRESS completed on the reverse side?**

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
SHELL WESTERN E&P INC.  
P. O. BOX 576  
HOUSTON, TEXAS 77001

4a. Article Number  
P 329 313 916

4b. Service Type  
 Registered     Insured  
 Certified     COD  
 Express Mail     Return Receipt for Merchandise

7. Date of Delivery  
MAR - 8 1996

5. Signature (Addressee)

6. Signature (Agent)  
*R. Hendry*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1993-352-714 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

**Is your RETURN ADDRESS completed on the reverse side?**

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
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I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
MARATHON OIL COMPANY  
P. O. BOX 552  
MIDLAND, TEXAS 79702

4a. Article Number  
P 329 313 915

4b. Service Type  
 Registered     Insured  
 Certified     COD  
 Express Mail     Return Receipt for Merchandise

7. Date of Delivery  
MAR - 6 1996

5. Signature (Addressee)

6. Signature (Agent)  
*S. McMillan*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1993-352-714 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

**Is your RETURN ADDRESS completed on the reverse side?**

**SENDER:**

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- Complete items 3, and 4a & b.
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I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
APACHE CORPORATION  
2000 POST OAK BLVD., SUITE 100  
HOUSTON, TEXAS 77056

4a. Article Number  
P 329 313 917

4b. Service Type  
 Registered     Insured  
 Certified     COD  
 Express Mail     Return Receipt for Merchandise

7. Date of Delivery  
3-7-96

5. Signature (Addressee)

6. Signature (Agent)  
*Clifford*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1993-352-714 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

**Is your RETURN ADDRESS completed on the reverse side?**

**SENDER:**

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I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
MOBIL E&P US INC.  
P. O. BOX 633  
MIDLAND, TEXAS 79702

4a. Article Number  
P 329 313 918

4b. Service Type  
 Registered     Insured  
 Certified     COD  
 Express Mail     Return Receipt for Merchandise

7. Date of Delivery  
MAR - 6 1996

5. Signature (Addressee)

6. Signature (Agent)  
*Jan*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1993-352-714 **DOMESTIC RETURN RECEIPT**

sc11000

BASE OF STRAWN  
TOP OF A TUKA

sc11100

sc11200

TENS

SGR

SGR

TNPR

RHOZ

sc11300

HDRA

BASE OF A TUKA  
TOP OF MORROW

sc11400

HQAL

FR

TD

sc11500

Stuck

**Texaco Exploration & Production, Inc.**  
 State 10  
 Sec 30, Blk 40, Tshp 2S, Lea County, New Mexico  
 Directional Proposal

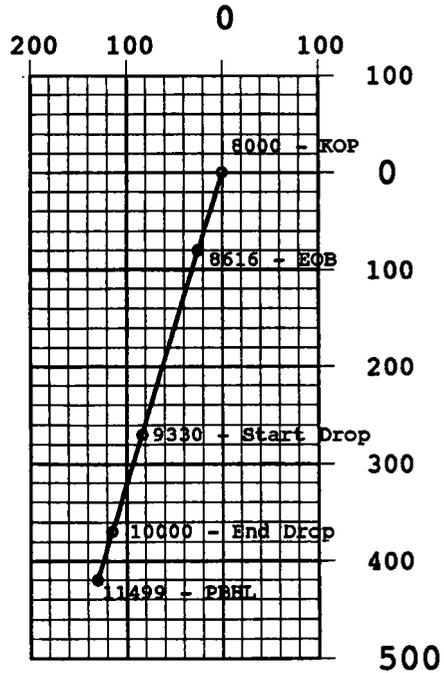
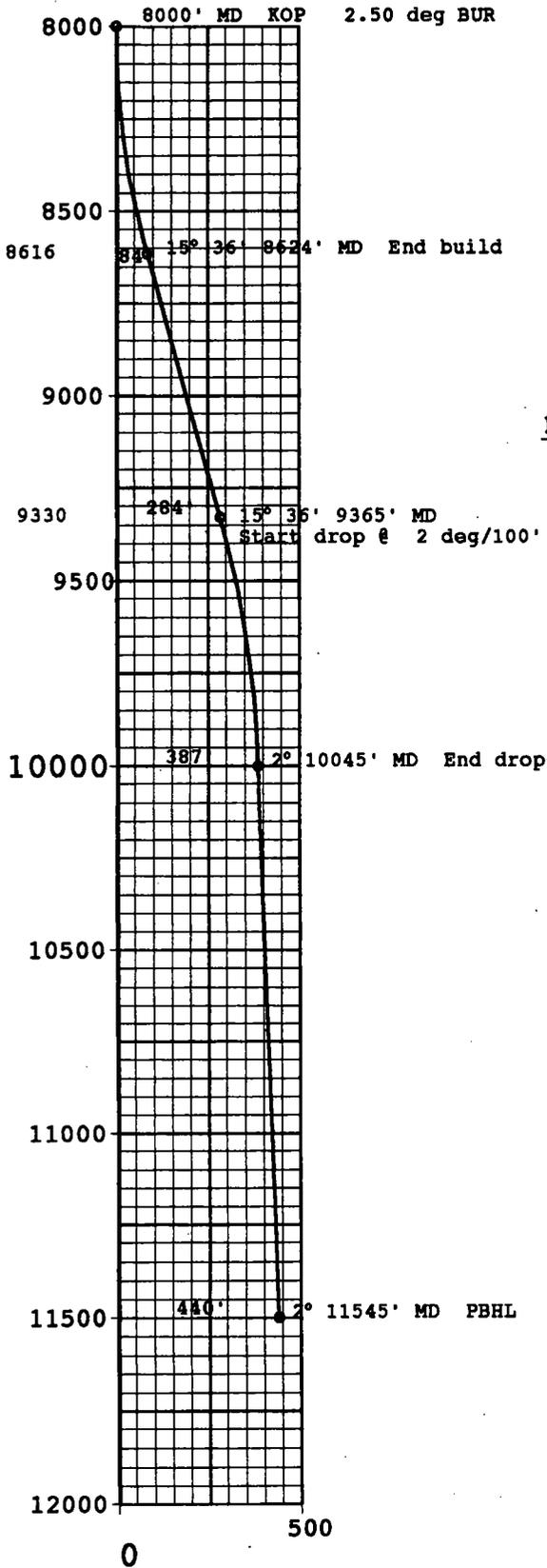
PLANE OF PROPOSAL

S 17° 12' W



VERTICAL SECTION

Scale 1" = 500'



HORIZONTAL PLAN

Scale 1" = 200'

Points of Interest

(Ref fm SW of 30)

- 1) Surface Location  
- 800' FSL & 510' FWL
- 2) KOP  
- 8000'
- 3) EOB  
- 8624' MD, 8616' TVD  
- 719' FSL & 485' FWL
- 4) Start Drop  
- 9365' MD & 9330' TVD  
- 529' FSL & 426' FWL
- 5) End Drop  
- 10045' MD & 10000' TVD  
- 430' FSL & 395' FWL
- 6) PBHL  
- 11545' MD & 11500' TVD  
- 380' FSL & 380' FWL

**PDS**

# Directional Proposal - Ref from Well Bore

Texaco State 10 Lea Cty, N.M.

Plane of Section = 197.2 Degs.  
 VS N/S Zero Point = 0 Feet  
 VS E/W Zero Point = 0 Feet  
 Calculation Method = Radius

	Measured Depth feet	Incl. Degrees	Azimuth Degrees	Course Length feet	Vertical Section feet	TVD feet	COORDINATES		Dogleg Severity Deg/100'
							N/S feet	E/W feet	
S	8000.00	0.00	0.00	0.00	0.00	8000.00	0.00	0.00	0.00
C	KOP								
C	BUR 2.5 deg/100'								
S	8100.00	2.50	197.20	100.00	2.18	8099.97	-2.08	- .64	2.50
S	8200.00	5.00	197.20	100.00	8.72	8199.75	-8.33	-2.58	2.50
S	8300.00	7.50	197.20	100.00	19.61	8299.14	-18.73	-5.80	2.50
S	8400.00	10.00	197.20	100.00	34.82	8397.97	-33.26	-10.30	2.50
S	8500.00	12.50	197.20	100.00	54.33	8496.04	-51.90	-16.06	2.50
S	8600.00	15.00	197.20	100.00	78.09	8593.17	-74.60	-23.09	2.50
S	8623.76	15.59	197.20	23.76	84.36	8616.09	-80.59	-24.94	2.50
C	End of build								
S	9123.76	15.59	197.20	500.00	218.77	9097.68	-208.99	-64.69	0.00
S	9364.82	15.59	197.20	241.06	283.57	9329.87	-270.89	-83.85	0.00
C	Start of drop								
C	Drop rate 2 deg/100'								
S	9464.82	13.59	197.20	100.00	308.77	9426.64	-294.96	-91.30	2.00
S	9564.82	11.59	197.20	100.00	330.57	9524.23	-315.79	-97.75	2.00
S	9664.82	9.59	197.20	100.00	348.95	9622.52	-333.35	-103.18	2.00
S	9764.82	7.59	197.20	100.00	363.90	9721.39	-347.62	-107.60	2.00
S	9864.82	5.59	197.20	100.00	375.38	9820.72	-358.59	-111.00	2.00
S	9964.82	3.59	197.20	100.00	383.39	9920.40	-366.24	-113.36	2.00
S	10044.52	2.00	197.20	79.70	387.28	10000.00	-369.96	-114.51	2.00
C	End of drop								
C	Target in Pennsilvanian								
S	10544.52	2.00	197.19	500.00	404.73	10499.70	-386.63	-119.67	0.00
S	11044.52	2.00	197.20	500.00	422.18	10999.39	-403.30	-124.83	0.00
S	11544.52	2.00	197.19	500.00	439.63	11499.09	-419.97	-129.99	0.00
S	11545.44	2.00	197.20	0.92	439.66	11500.01	-420.00	-130.00	0.06
C	PBHL								
C	Final location 439.65' at 197.2 deg azimuth								

# Directional Proposal - Ref from SW Corner

Texaco State 10 Lea Cty, N.M.

Plane of Section = 197.2 Degs.  
 VS N/S Zero Point = 800 Feet  
 VS E/W Zero Point = 5100 Feet  
 Calculation Method = Radius

	Measured		Azimuth Degrees	Course Length feet	Vertical Section feet	TVD feet	COORDINATES		Dogleg Severity Deg/100'
	Depth feet	Incl. Degrees					N/S feet	E/W feet	
S	8000.00	0.00	0.00	0.00	1357.30	8000.00	800.00	510.00	0.00
C	KOP								
C	BUR 2.5 deg/100'								
S	8100.00	2.50	197.20	100.00	1359.48	8099.97	797.92	509.36	2.50
S	8200.00	5.00	197.20	100.00	1366.02	8199.75	791.67	507.42	2.50
S	8300.00	7.50	197.20	100.00	1376.91	8299.14	781.27	504.20	2.50
S	8400.00	10.00	197.20	100.00	1392.12	8397.97	766.74	499.70	2.50
S	8500.00	12.50	197.20	100.00	1411.63	8496.04	748.10	493.94	2.50
S	8600.00	15.00	197.20	100.00	1435.39	8593.17	725.40	486.91	2.50
S	8623.76	15.59	197.20	23.76	1441.66	8616.09	719.41	485.06	2.50
C	End of build								
S	9123.76	15.59	197.20	500.00	1576.07	9097.68	591.01	445.31	0.00
S	9364.82	15.59	197.20	241.06	1640.87	9329.87	529.11	426.15	0.00
C	Start of drop								
C	Drop rate 2 deg/100'								
S	9464.82	13.59	197.20	100.00	1666.07	9426.64	505.04	418.70	2.00
S	9564.82	11.59	197.20	100.00	1687.87	9524.23	484.21	412.25	2.00
S	9664.82	9.59	197.20	100.00	1706.25	9622.52	466.65	406.82	2.00
S	9764.82	7.59	197.20	100.00	1721.20	9721.39	452.38	402.40	2.00
S	9864.82	5.59	197.20	100.00	1732.68	9820.72	441.41	399.00	2.00
S	9964.82	3.59	197.20	100.00	1740.69	9920.40	433.76	396.64	2.00
S	10044.52	2.00	197.20	79.70	1744.58	10000.00	430.04	395.49	2.00
C	End of drop								
C	Target in Pennsylvanian								
S	10544.52	2.00	197.19	500.00	1762.03	10499.70	413.37	390.33	0.00
S	11044.52	2.00	197.20	500.00	1779.48	10999.39	396.70	385.17	0.00
S	11544.52	2.00	197.19	500.00	1796.93	11499.09	380.03	380.01	0.00
S	11545.44	2.00	197.20	0.92	1796.96	11500.01	380.00	380.00	0.06
C	PBHL								
C	Final location 537.4' at 45 deg azimuth								

Sec : 30 Twp : 17S Rng : 35E Section Type : NORMAL

1	C	B	A
37.69	40.00	40.00	40.00
CS	CS	CS	CS
B01722 2 01/39	B01578 6 01/39	B08667 2 05/50	B02423 17 01/39
TEXACO EXPLORATIO	ATLANTIC RICHFIEL	ATLANTIC RICHFIEL	TURNCO INC
U U	U	U	U
A A A A	A A	A A A A	A
2	F	G	H
37.65	40.00	40.00	40.00
CS	CS	CS	CS
B01722 2 01/39	B01578 6 01/39	B08667 2 05/50	E07585 1 11/63
TEXACO EXPLORATIO	ATLANTIC RICHFIEL	ATLANTIC RICHFIEL	TEXACO EXPLORATIO
U U	U U	U U	U U
A A A	A P A	P A A	A

PF01 HELP      PF02              PF03 EXIT      PF04 GoTo      PF05              PF06  
PF07 BKWD      PF08 FWD          PF09 PRINT      PF10 SDIV      PF11              PF12

Sec : 30 Twp : 17S Rng : 35E Section Type : NORMAL

3	K	J	I
37.63	40.00	40.00	40.00
CS	CS	CS	CS
B01722 2 01/39	B02245 01/39	B01501 01/39	B01414 2 01/39
TEXACO EXPLORATIO	MARATHON OIL CO	PHILLIPS PETROLEU	SHELL WESTERN E &
U U	U U	U U	U U
A A A	P A A	A P A	A P A
4	N	O	P
37.59	40.00	40.00	40.00
CS	CS	CS	CS
B01722 2 01/39	B02245 01/39	B01501 01/39	B01414 2 01/39
TEXACO EXPLORATIO	MARATHON OIL CO	PHILLIPS PETROLEU	SHELL WESTERN E &
U U	U U	U U	U U
A A	A P A	A P A	A P A A

PF01 HELP      PF02              PF03 EXIT      PF04 GoTo      PF05              PF06  
PF07 BKWD      PF08 FWD          PF09 PRINT      PF10 SDIV      PF11              PF12



Attn: Jerry Sexton

DISTRICT 1  
P. O. Box 1820, Santa Fe, NM 87501  
DISTRICT 2  
P. O. Box 1820, Santa Fe, NM 87501  
DISTRICT 3  
P. O. Box 1820, Santa Fe, NM 87501  
DISTRICT 4  
P. O. Box 1820, Santa Fe, NM 87501  
DISTRICT 5  
P. O. Box 1820, Santa Fe, NM 87501

Texaco Exploration  
and Production Inc

500 North Loraine  
Midland TX 79701

P O Box 3109  
Midland TX 79702

OIL CONSERVATION DIVISION

Santa Fe, NM 87504-2022

March 5, 1996

AMENDED REPORT

**GOV - STATE AND LOCAL GOVERNMENTS**

Directional Drilling

New Mexico "N" State Well No. 10

Wildcat Atoka Field

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

2040 South Pacheco  
Santa Fe, New Mexico 87505

Attention: Mr. Michael E. Stogner

Gentlemen:

Administrative approval, Rule 111 c.2, is requested to directionally drill the captioned well to an orthodox bottomhole location.

This well must be drilled by staking it at the p. Atoka formation as a copy of our direction

The "affected" office request (see attached)

Any questions concerning 4606

Yours very truly,

C. Wade Howard

C. W. Howard  
Engineer's Assistant

CWH:

CC: NMCD, P. O. Box

Attachments

5-6-96

Note to file:

Jerry ok'd an Atoka oil test for this well and others in the immediate area.

M.S.

