



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;

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 01-11-00 BY 2046

DATE 01-11-00 BY 2046

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 01-11-00 BY 2046

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 01-11-00 BY 2046

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 01-11-00 BY 2046

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 01-11-00 BY 2046

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 01-11-00 BY 2046

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 01-11-00 BY 2046

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 01-11-00 BY 2046

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 01-11-00 BY 2046



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.

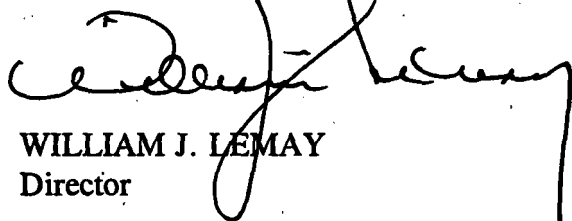
(5) The operator shall comply with all requirements and conditions set forth in **Division General Rule 111.E(2)** and any applicable requirements in **111.D** and **F**.

(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

S E A L

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

145
*Administrative Order DD-~~***~~*

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



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

1996 MAR 16 PM 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,

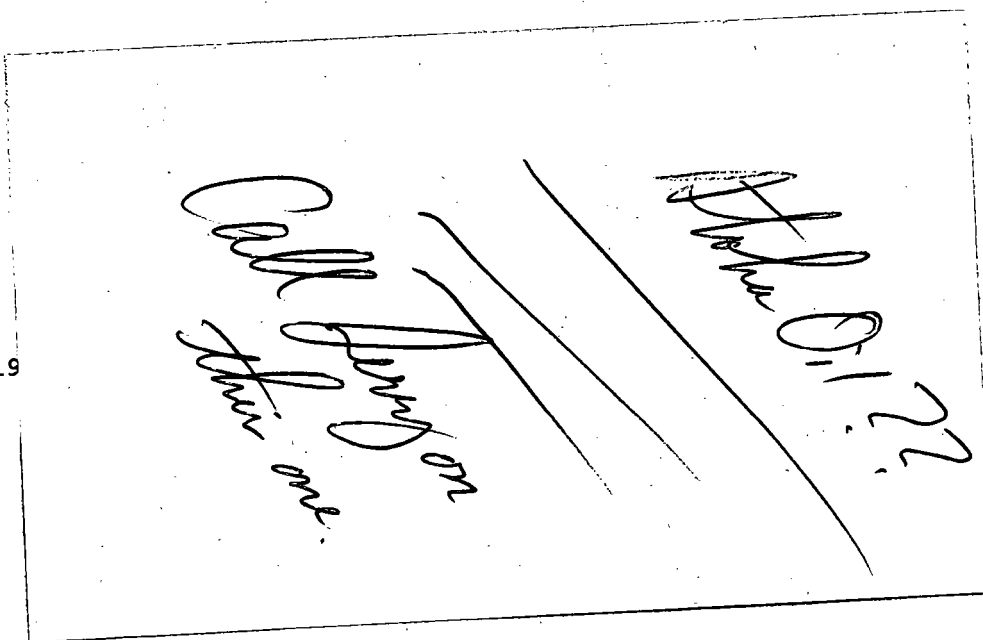
C. Wade Howard

C. W. Howard
Engineer's Assistant

CWH:

CC: NMOCD, P. O. Box 19

Attachments



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

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

Form C-102
Revised February 10, 1994
Instructions on back

Submit to Appropriate District Office

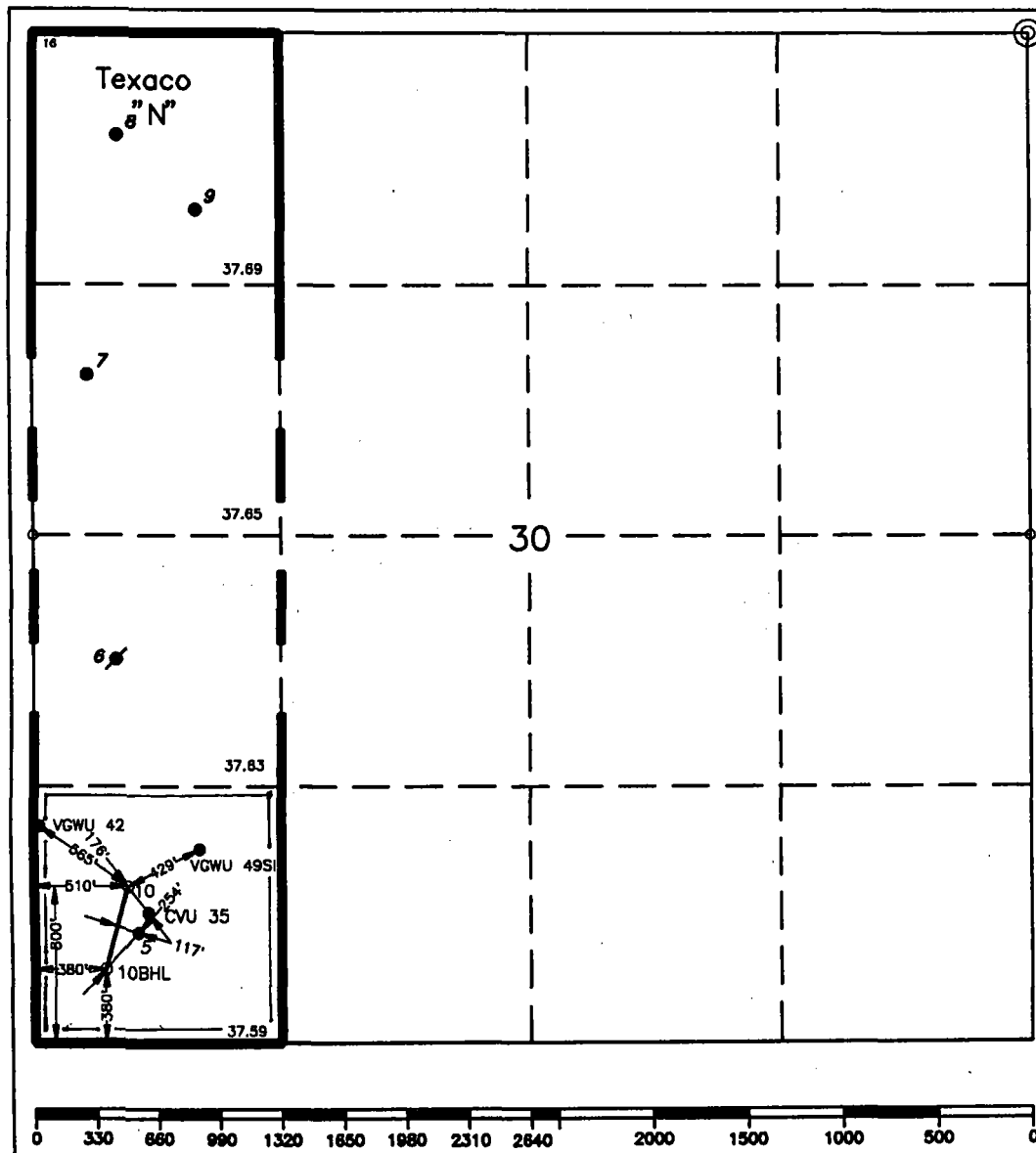
State Lease-4 copies
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name Wildcat; Atoka					
⁴ Property Code 11047		⁵ Property Name New Mexico "N" State						⁶ Well Number 10	
⁷ GRID No. 22351		⁸ Operator Name TEXACO EXPLORATION & PRODUCTION, INC.						⁹ Elevation 3989'	
¹⁰ Surface Location									
UL or lot no. M	Section 30	Township 17-S	Range 35-E	Lot Idn	Feet from the 800'	North/South line South	Feet from the 510'	East/West line West	⁷ County Lea
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. M	Section 30	Township 17-S	Range 35-E	Lot Idn	Feet from the 380'	North/South line South	Feet from the 380'	East/West line West	⁷ County Lea
¹² Dedicated Acres 37.59		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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.



¹⁶ 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	
¹⁷ 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

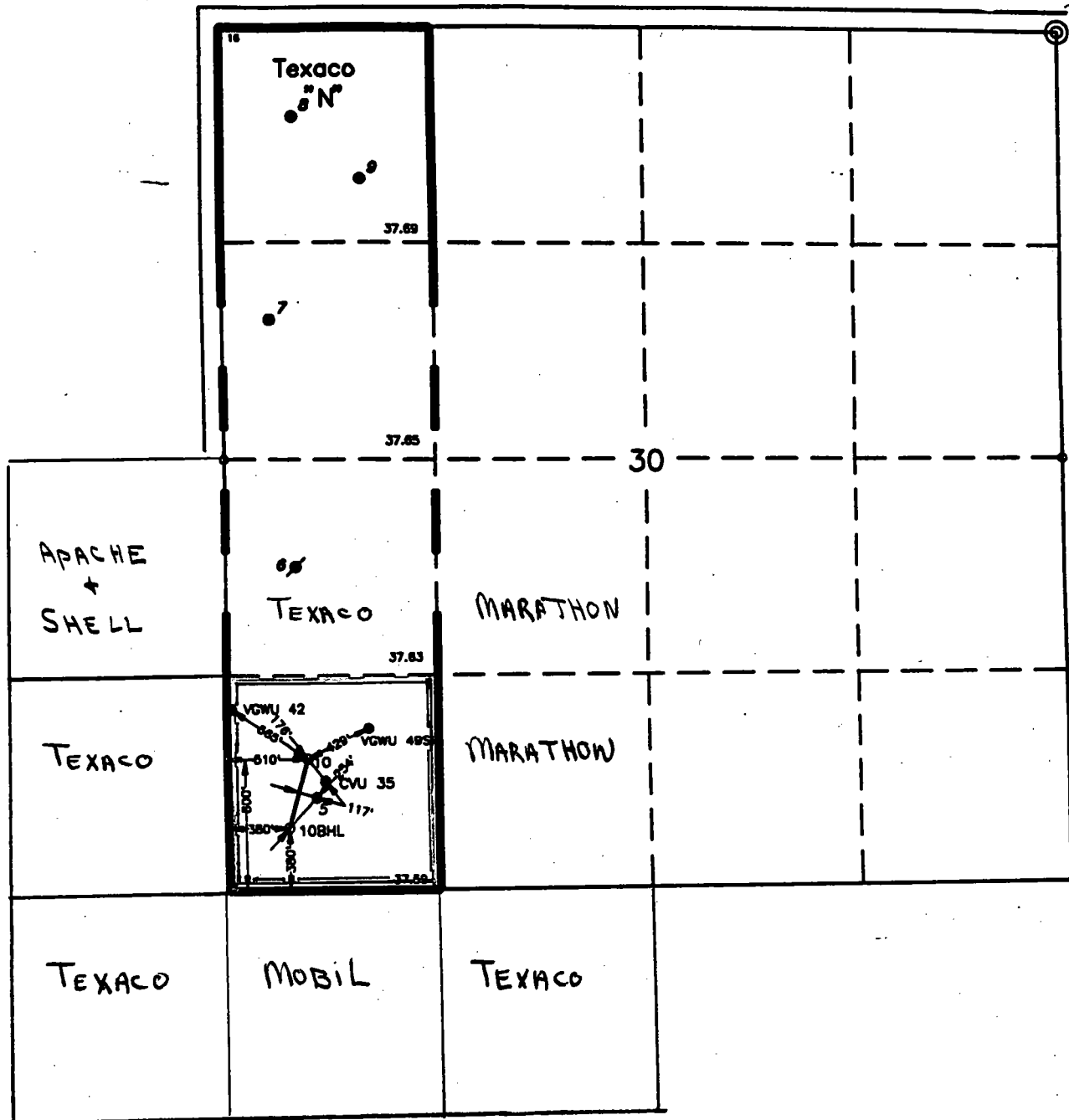
WAIVER APPROVED:

COMPANY: _____

BY: _____

DATE: _____

NEW MEXICO "N" STATE No. 10 OFFSET OPERATOR'S MAP



**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**

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):

1. ☐ Addressee's Address
2. ☐ 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)**

PS Form 3811, December 1991

U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

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):

1. ☐ Addressee's Address
2. ☐ 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)**

PS Form 3811, December 1991

U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

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):

1. ☐ Addressee's Address
2. ☐ 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 - 8 1996

5. Signature (Addressee)**6. Signature (Agent)**

PS Form 3811, December 1991

U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

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):

1. ☐ Addressee's Address
2. ☐ 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)**

PS Form 3811, December 1991

U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

sc11000

BASE OF STRAWN

TOP OF A FUKA

sc11100

sc11200

TENS

SGR

SGR

TNPH

RHOZ

sc11300

HDRA

BASE OF A FUKA

TOP OF MORROW

sc11400

HOAI

FR

T D

sc11500

Stuck

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

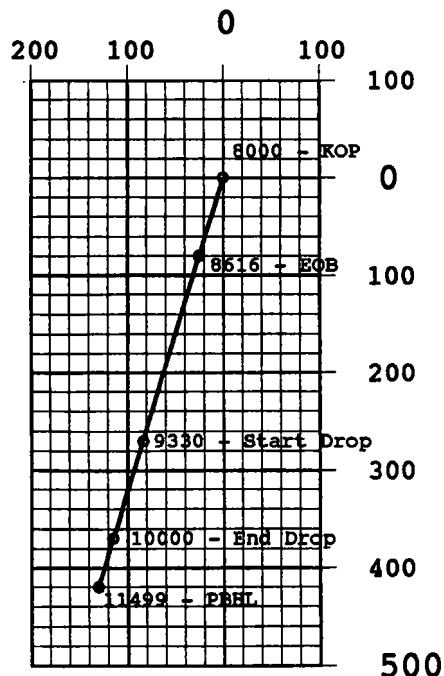
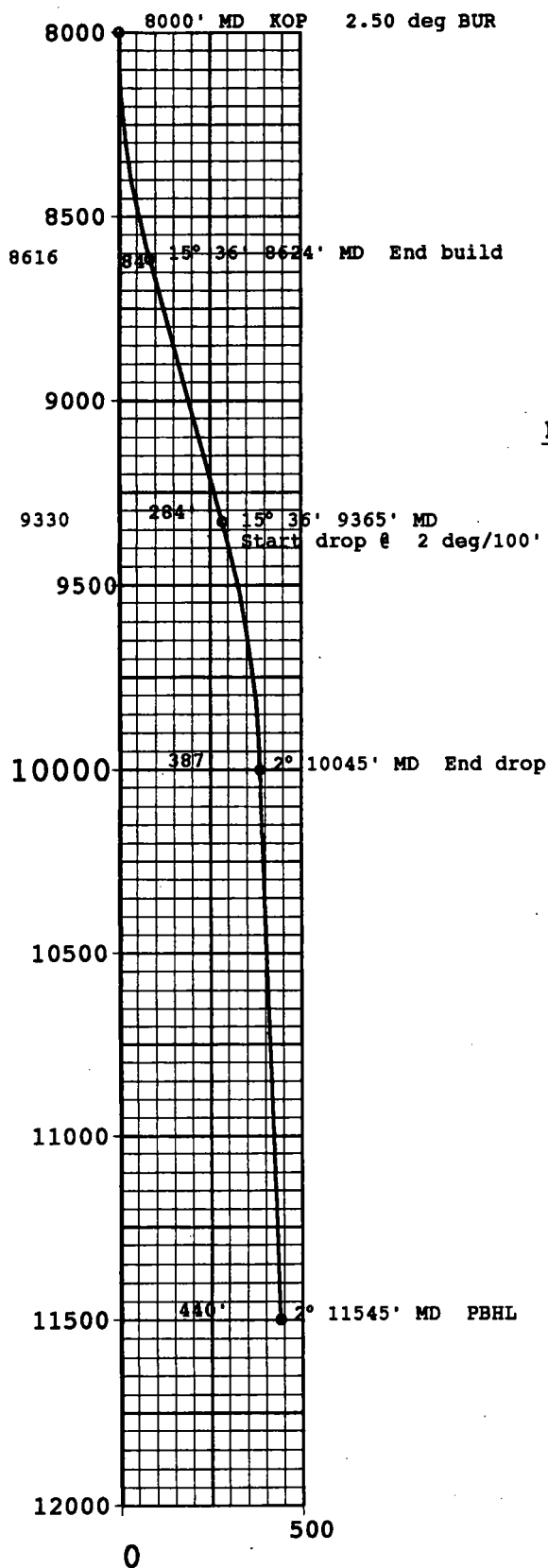
PLANE OF PROPOSAL

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 N/S E/W feet		Dogleg Severity Deg/100'
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								

Scharbaruer

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 Depth feet	Incl. Degrees	Azimuth Degrees	Course Length feet	Vertical Section feet	TVD feet	COORDINATES N/S E/W feet		Dogleg Severity Deg/100'
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 Pennsilvanian								
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								

Scharbaruer

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

05/06/96 14:47:16
OGOMES -EME3
PAGE NO: 1

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

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

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

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

05/06/96 14:47:39
OGOMES -EME3
PAGE NO: 2

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

3 37.63 CS B01722 2 01/39 TEXACO EXPLORATIO U U A A A	K 40.00 CS B02245 01/39 MARATHON OIL CO U U P A A	J 40.00 CS B01501 01/39 PHILLIPS PETROLEU U U A P A	I 40.00 CS B01414 2 01/39 SHELL WESTERN E & U U A P A
4 37.59 CS B01722 2 01/39 TEXACO EXPLORATIO U U A A	N 40.00 CS B02245 01/39 MARATHON OIL CO U U A P A	O 40.00 CS B01501 01/39 PHILLIPS PETROLEU U U A P A	P 40.00 CS B01414 2 01/39 SHELL WESTERN E & U U 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 1500, Midland TX 79701

DISTRICT 2
P. O. Box 1500, Midland TX 79701

DISTRICT 3
P. O. Box 1500, Midland TX 79701

DISTRICT 4
P. O. Box 1500, Midland TX 79701

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

Store 1-2-4 copies
7-11-13-3 copies

☐ AMENDED REPORT

March 5, 1996

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:

37-38

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, staking it at the p...
Atoka formation as a
copy of our direction

The "affected" off...
request (see attach

Any questions conce...
4606

Yours very truly,

C. Wade Howard

C. W. Howard
Engineer's Assistant

CWH:

CC: NMOC, 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.

