

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

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-101

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

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

¹ Operator Name and Address TEXACO EXPLORATION & PRODUCTION INC. P.O. Box 3109, Midland Texas 79702		² OGRID Number 022351
		³ API Number 30-025-33774
⁴ Property Code 11037	⁵ Property Name NEW MEXICO 'E' STATE NCT-1	⁶ Well No. 7

⁷ Surface Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
N	1	20-S	36-E		990	SOUTH	1855	WEST	LEA

⁸ Proposed Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
L	1	20-S	36-E		2310	SOUTH	330	WEST	LEA

⁹ Proposed Pool 1
MONUMENT BLINEBRY¹⁰ Proposed Pool 2

¹¹ Work Type Code E	¹² WellType Code O	¹³ Rotary or C.T. ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3565'
¹⁶ Multiple No	¹⁷ Proposed Depth 5657'	¹⁸ Formation BLINEBRY	¹⁹ Contractor NABORS	²⁰ Spud Date 5/15/97

²¹ Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4	11 3/4	42#	1000'	500 SACKS	SURFACE
11 3/4	8 5/8	24 & 32#	4000'	1650 SACKS	SURFACE
7 7/8	5 1/2	15.5#	7500'	1000 SACKS	SURFACE

²² 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.

RE-ENTER AND DRILL AN OPEN-HOLE HORIZONTAL LATERAL.

1. SET CIBP AT +/- 5657'.

2. SET A RETRIEVABLE 3 DEGREE WHIPSTOCK ON TOP OF CIBP. (TOP OF WINDOW +/- 5645', BOTTOM OF WINDOW +/- 5654')

3. DRILL A SHORT RADIUS CURVE USING A 4 3/4" BIT TO A MD OF +/- 5766'.

4. DRILL A +/- 2000' HORIZONTAL LATERAL.

5. RUN A TDT LOG IN HORIZONTAL LATERAL.

6. ACIDIZE THE HORIZONTAL LATERAL.

7. PLACE WELL ON PUMP.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

REQUEST FOR THE DIRECTIONAL DRILLING ORDER HAS BEEN APPLIED FOR. (COPY ATTACHED)

²³ I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature

C. Wade Howard

Printed Name

C. Wade Howard

Title

Eng. Assistant

Date

5/21/97

Telephone

688-4606

OIL CONSERVATION DIVISION

Approved By:

Orig. Signed by
Paul Wautz
Geologist

Title:

Approval Date:

MAY 29 1997

Expiration Date:

Conditions of Approval:

Attached ☐

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

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P. O. Drawer DD, Artesia, NM 88210

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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

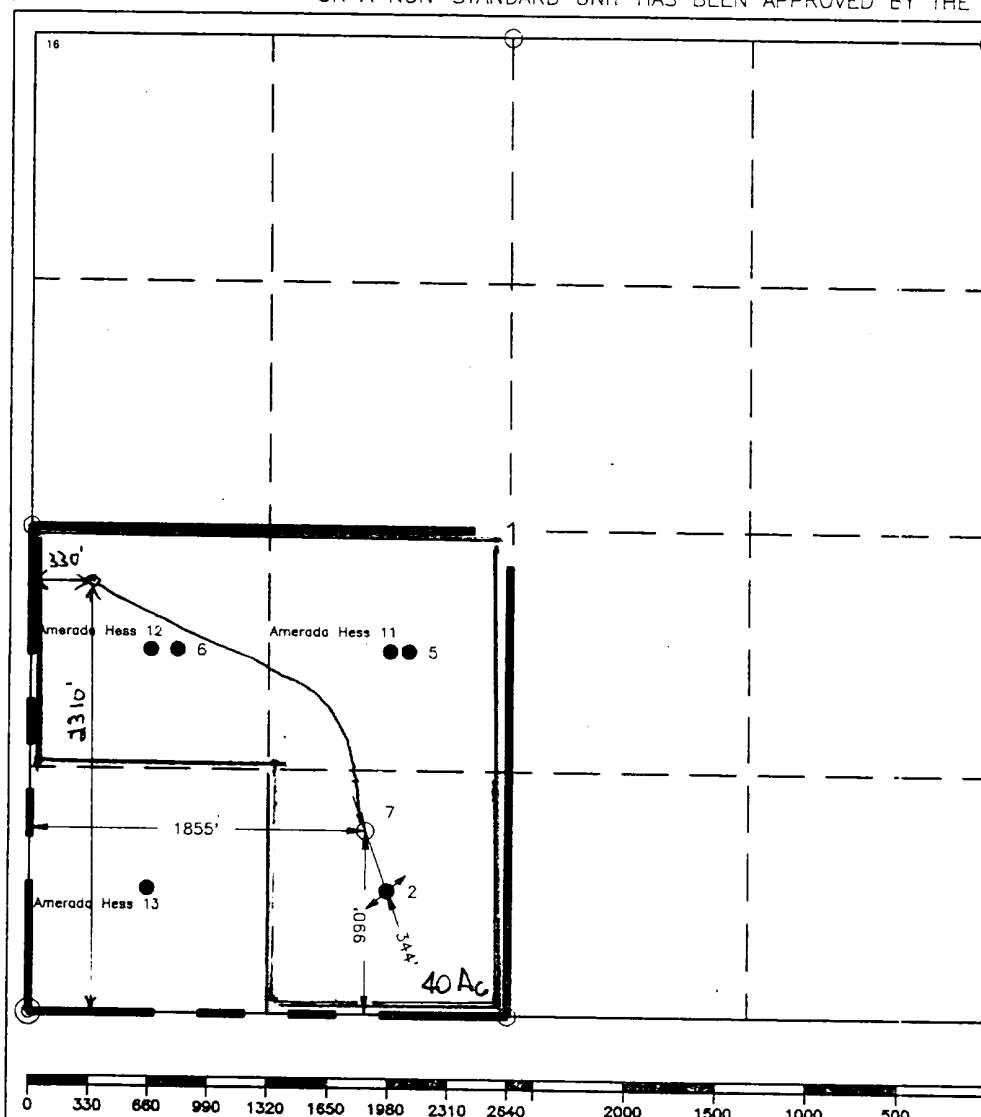
WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

¹ API Number 30-025-33774		² Pool Code		³ Pool Name Monument Blinebry, Monument Paddock, Monument Abo	
⁴ Property Code 11037		⁵ Property Name New Mexico "E" State NCT-1			
⁷ GRID No. 22351		⁸ Operator Name TEXACO EXPLORATION & PRODUCTION, INC.			
				⁶ Well Number 7	
				⁹ Elevation 3565'	

¹⁰ Surface Location									
UL or lot no. N	Section 1	Township 20-S	Range 36-E	Lot Idn.	Feet from the 990'	North/South line South	Feet from the 1855'	East/West line West	⁷ County Lea
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. L	Section 1	Township 20-S	Range 36-E	Lot Idn.	Feet from the 2310'	North/South line South	Feet from the 330	East/West line West	⁷ County
¹² Dedicated Acres 120		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. DD-171 (H)			

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.



¹⁷OPERATOR CERTIFICATION

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

Signature

Printed Name

C. Wade Howard

Position

Engineer's Assistant

Company

Texaco Expl. & Prod. Inc.

Date

January 8, 1997

¹⁸SURVEYOR 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 7, 1997

Signature & Seal of
Professional Surveyor

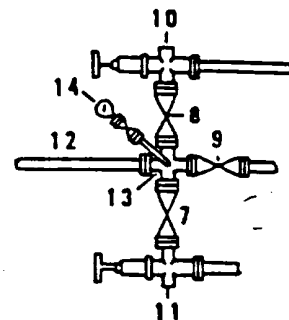
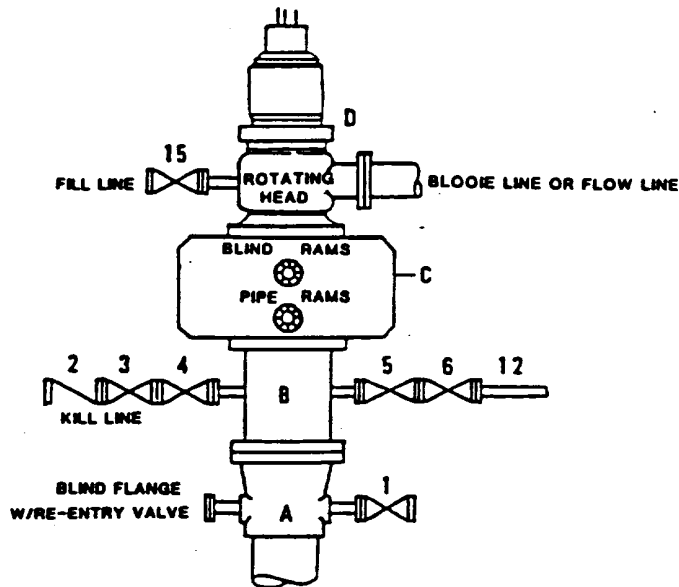
Certificate No.

7254 John S. Piper

Sheet

**DRILLING CONTROL
CONDITION II-B 3000 WP
FOR AIR DRILLING OR
WHERE NITROGEN OR AIR BLOWS ARE EXPECTED**

H₂S TRIM REQUIRED
YES _____ NO _____



DRILLING CONTROL

MATERIAL LIST - CONDITION II - B

- A Texaco Wellhead
- B 3000# W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- C 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where sub-structure height is adequate, 2 - 3000# W.P. single ram type preventers may be utilized).
- D Rotating Head with fill up outlet and extended Bloode Line.
- 1,3,4, 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 7,8, 2" minimum 3000# W.P. back pressure valve.
- 5,6,9 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 12 3" minimum schedule 80, Grade "B", seamless line pipe.
- 13 2" minimum x 3" minimum 3000# W.P. flanged cross.
- 10,11 2" minimum 3000# W.P. adjustable choke bodies.
- 14 Cameron Mud Gauge or equivalent (location optional in choke line).
- 15 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.



TEXACO, INC.
MIDLAND DIVISION
MIDLAND, TEXAS



SCALE	DATE	EST NO	DRG NO
DRAWN BY			
CHECKED BY			
APPROVED BY			

EXHIBIT C

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☒ NSP ☒ DD ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

C. WADE HOWARD
 Print or Type Name

C. Wade Howard
 Signature

ENGINEER ASSISTANT
 Title

4/3/97
 Date



Texaco Exploration
and Production Inc

500 North Loraine
Midland TX 79701

P O Box 3109
Midland TX 79702

March 25, 1997

GOV - STATE AND LOCAL GOVERNMENTS

Directional Drilling - Horizontal
Non-Standard Proration Unit
New Mexico "E" State NCT-1 Well No. 7
Monument Blinbry 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 104.D, and Rule 111.D, is requested to re-enter this well and drill a horizontal lateral in a non-standard 120 acre proration unit in the Blinbry formation.

The New Mexico "E" State NCT-1 No. 7 is a candidate for a horizontal well due to the heterogeneous nature of the reservoir. Vertical segregation is present. Two 10' thick productive intervals exist which are interbedded with a low porosity 5-10' thick interval. Reservoir development also varies laterally as is common in platform carbonates. Application of this horizontal technology will allow for drainage from vertically and laterally discontinuous lenses which would otherwise not be produced without dense vertical well spacing. The proposed horizontal well path is designed to maximize recovery of Blinbry reserves and evaluate the limits of the reservoir.

Attached for your information is a copy of our directional plans, a type log section, and Form C-102.

The offset operators to this well has 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. W. Howard
Engineer's Assistant

CWH:
CC: NMOCD, P. O. Box 1980, Hobbs, NM 88240
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-10
Revised February 10, 1978

Instructions on back

Submit to Appropriate District Office

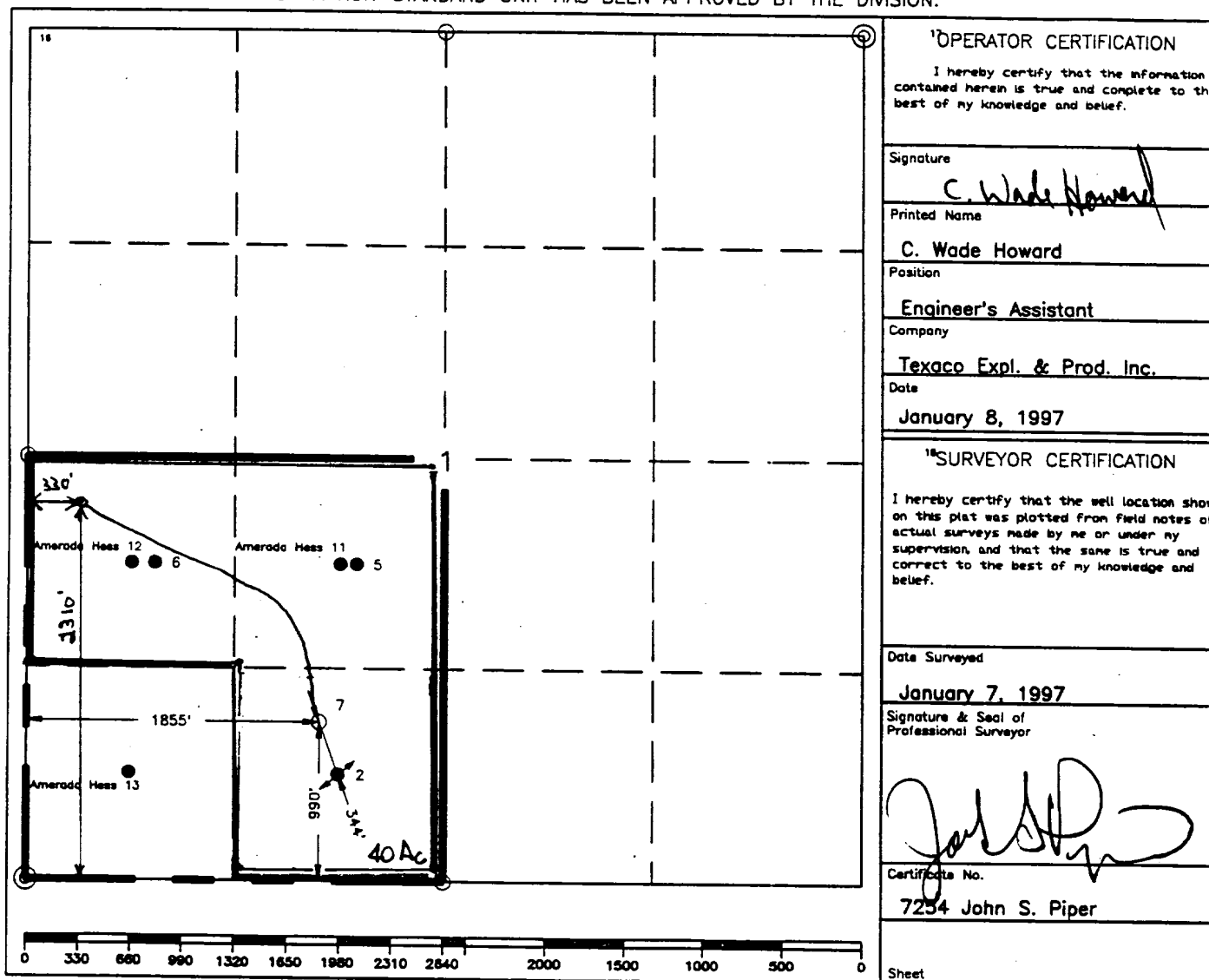
State Lease-4 copies
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-33774		² Pool Code		³ Pool Name Monument Blinbry, Monument Paddock, Monument Abo					
⁴ Property Code 11037		⁵ Property Name New Mexico "E" State NCT-1							
⁶ GRID No. 22351		⁷ Operator Name TEXACO EXPLORATION & PRODUCTION, INC.							
⁸ Well Number 7									
⁹ Elevation 3565'									
¹⁰ Surface Location									
UL or lot no. N	Section 1	Township 20-S	Range 36-E	Lot Idn	Feet from the 990'	North/South line South	Feet from the 1855'	East/West line West	¹¹ County Lea
¹² Bottom Hole Location If Different From Surface									
UL or lot no. L	Section 1	Township 20-S	Range 36-E	Lot Idn	Feet from the 2310'	North/South line South	Feet from the 330	East/West line WEST	¹³ County Lea
¹⁴ Dedicated Acres 120		¹⁵ Joint or Infill		¹⁶ Consolidation Code		¹⁷ 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.





Texaco Exploration
and Production Inc

500 North Loraine
Midland TX 79701

P O Box 3109
Midland TX 79702

March 25, 1997

GOV - STATE AND LOCAL GOVERNMENTS
Directional Drilling - Horizontal
Non-Standard Proration Unit
New Mexico "E" State NCT-1 Well No. 7
Sec. 1, T-20-S, R-36-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 a horizontal 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. Wade Howard

C. W. Howard
Engineer's Assistant

CWH:cwh

File

WAIVER APPROVED:

COMPANY: _____

BY: _____

DATE: _____

OFFSET OPERATOR'S LIST
New Mexico "E" State NCT-1 Well No. 7
LEA COUNTY, NEW MEXICO

Chevron USA Inc.
P. O. Box 1150
Midland, Texas 79702

Mobil Producing Texas & New Mexico Inc.
P. O. Box 633
Midland, Texas 79702

Amerada Hess Corporation
P. O. Box 2040
Houston, Texas 77252

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- 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:

Amerada Hess Corporation
P. O. Box 2040
Houston, TX 77252

4a. Article Number
P 497 362 872

4b. Service Type

☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
3-31-97

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)
X *[Signature]*

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

PS Form 3811, December 1994 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, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
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- 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:

Chevron USA Inc.
P. O. Box 1150
Midland, TX 79702

4a. Article Number
P 497 362 873

4b. Service Type

☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
MAR 26 1997

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)
X *[Signature]*

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

PS Form 3811, December 1994 Domestic Return Receipt

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Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
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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 Producing Texas & New Mexico Inc.
P. O. Box 633
Midland, Texas 79702

4a. Article Number
P 497 362 874

4b. Service Type

☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
MAR 26 1997

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)
X *[Signature]*

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

PS Form 3811, December 1994 Domestic Return Receipt

Thank you for using Return Receipt Service.

#	TVD	N-S	E-W
1	5685 00	00	00
2	5728 00	330 00	-100 00
3	5663 00	610 00	-175 00
4	5712 50	660 00	-535 00
5	5724 50	1066 00	-1025 00
6	5738 50	1320 00	-1525 00





Job Number:
Company: TEXACO E & P, INC.
Lease/Well: NEW MEXICO E STATE #7
Location: LEA CO., NEW MEXICO
Rig Name:

State/Country:
Declination:
Grid:
File name: C:\WINSERVE\NEWMEEX7.SVY
Date/Time: 13-Mar-97 / 06:57
Curve Name: WELL PLAN 3-12-97

Phoenix Drilling Services, Inc.

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
 Vertical Section Plane 310.88

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
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KOP: 5654' MD, 80 DEG/100'

5654.00	.00	350.00	5654.00	2074.00	.00	.00	.00	.00	.00	.00
5664.00	8.00	350.00	5663.97	2083.97	.69	-.12	.54	.70	350.00	80.00
5674.00	16.00	350.00	5673.74	2093.74	2.73	-.48	2.15	2.77	350.00	80.00
5684.00	24.00	350.00	5683.13	2103.13	6.10	-1.08	4.80	6.19	350.00	80.00
5694.00	32.00	350.00	5691.95	2111.95	10.72	-1.89	8.44	10.88	350.00	80.00
5704.00	40.00	350.00	5700.04	2120.04	16.50	-2.91	13.00	16.76	350.00	80.00
5714.00	48.00	350.00	5707.22	2127.22	23.34	-4.11	18.38	23.70	350.00	80.00
5724.00	56.00	350.00	5713.38	2133.38	31.09	-5.48	24.49	31.57	350.00	80.00
5734.00	64.00	350.00	5718.37	2138.37	39.61	-6.98	31.21	40.22	350.00	80.00
5744.00	72.00	350.00	5722.11	2142.11	48.74	-8.59	38.39	49.49	350.00	80.00
5754.00	80.00	350.00	5724.53	2144.53	58.28	-10.28	45.92	59.18	350.00	80.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
EOB: 5766' MD, 5726' TVD, 89.5 DEG INC										
5764.00	88.00	350.00	5725.58	2145.58	68.07	-12.00	53.63	69.12	350.00	80.00
5765.88	89.50	350.00	5725.62	2145.62	69.92	-12.33	55.08	71.00	350.00	80.00
5865.88	89.50	350.00	5726.49	2146.49	168.39	-29.69	132.66	170.99	350.00	.00
5965.88	89.50	350.00	5727.36	2147.36	266.87	-47.06	210.24	270.99	350.00	.00
5970.00	89.50	350.00	5727.40	2147.40	270.93	-47.77	213.44	275.11	350.00	.01
BUILD AT 15 DEG/100'										
6000.63	89.50	350.00	5727.67	2147.67	301.10	-53.09	237.20	305.74	350.00	.00
6010.63	91.00	350.00	5727.62	2147.62	310.95	-54.83	244.96	315.74	350.00	15.00
6020.63	92.50	350.00	5727.32	2147.32	320.79	-56.56	252.72	325.74	350.00	15.00
6030.63	94.00	350.00	5726.75	2146.75	330.62	-58.30	260.46	335.72	350.00	15.00
TARGET										
6039.80	95.38	350.00	5726.00	2146.00	339.62	-59.88	267.55	344.86	350.00	15.00
6049.80	95.54	348.50	5725.05	2145.05	349.40	-61.74	275.36	354.81	349.98	15.00
6059.80	95.72	347.01	5724.07	2144.07	359.13	-63.85	283.32	364.76	349.92	15.00
6069.80	95.92	345.51	5723.05	2143.05	368.79	-66.21	291.43	374.69	349.82	15.00
6079.80	96.15	344.02	5722.00	2142.00	378.39	-68.83	299.68	384.59	349.69	15.00
6089.80	96.40	342.53	5720.91	2140.91	387.90	-71.69	308.08	394.47	349.53	15.00
6099.80	96.65	341.04	5719.77	2139.77	397.34	-74.79	316.60	404.32	349.34	15.00
6109.80	96.90	339.56	5718.59	2138.59	406.69	-78.14	325.25	414.13	349.12	15.00
6119.80	97.15	338.06	5717.37	2137.37	415.94	-81.73	334.02	423.90	348.88	15.00
6129.80	97.39	336.57	5716.11	2136.11	425.10	-85.55	342.90	433.62	348.62	15.00
6139.80	97.63	335.08	5714.80	2134.80	434.14	-89.61	351.89	443.29	348.34	15.00
HOLD @ 97.7										
6143.49	97.71	334.53	5714.31	2134.31	437.45	-91.17	355.23	446.84	348.23	15.00
6243.49	97.71	334.53	5700.88	2120.88	526.91	-133.79	446.00	543.63	345.75	.00
DROP @ 15.0										
6267.27	97.71	334.53	5697.69	2117.69	548.18	-143.92	467.59	566.76	345.29	.01
6267.95	97.70	334.63	5697.60	2117.60	548.79	-144.21	468.21	567.42	345.28	14.57

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
								Distance FT	Direction Deg	
6269.16	97.67	334.81	5697.44	2117.44	549.88	-144.72	469.30	568.60	345.25	15.00
6270.83	97.63	335.06	5697.22	2117.22	551.38	-145.42	470.82	570.23	345.22	15.00
6272.87	97.58	335.36	5696.95	2116.95	553.21	-146.27	472.66	572.22	345.19	15.00
6276.71	97.02	335.49	5696.46	2116.46	556.67	-147.85	476.12	575.97	345.13	15.00
6286.71	95.64	334.90	5695.36	2115.36	565.69	-152.02	485.18	585.77	344.96	15.00
6296.71	94.38	334.09	5694.48	2114.48	574.69	-156.31	494.30	595.56	344.78	15.00
6306.71	93.20	333.16	5693.82	2113.82	583.62	-160.74	503.51	605.36	344.60	15.00
6316.71	92.09	332.16	5693.36	2113.36	592.50	-165.33	512.78	615.13	344.41	15.00
6326.71	91.02	331.10	5693.09	2113.09	601.29	-170.08	522.13	624.89	344.21	15.00
TARGET										
6336.71	90.00	330.00	5693.00	2113.00	610.00	-175.00	531.55	634.61	343.99	15.00
6346.71	89.84	328.51	5693.01	2113.01	618.59	-180.11	541.03	644.28	343.77	15.00
6356.71	89.69	327.02	5693.05	2113.05	627.05	-185.45	550.60	653.90	343.52	15.00
6366.71	89.53	325.52	5693.12	2113.12	635.37	-191.00	560.24	663.46	343.27	15.00
6376.71	89.38	324.03	5693.22	2113.22	643.54	-196.77	569.95	672.95	343.00	15.00
6386.71	89.22	322.54	5693.34	2113.34	651.55	-202.74	579.72	682.37	342.72	15.00
6396.71	89.07	321.05	5693.49	2113.49	659.41	-208.93	589.53	691.72	342.42	15.00
6406.71	88.92	319.56	5693.66	2113.66	667.10	-215.31	599.40	700.99	342.11	15.00
6416.71	88.76	318.06	5693.87	2113.87	674.63	-221.90	609.30	710.18	341.79	15.00
6426.71	88.61	316.57	5694.10	2114.10	681.97	-228.67	619.23	719.29	341.46	15.00
6436.71	88.46	315.08	5694.35	2114.35	689.14	-235.64	629.19	728.32	341.12	15.00
6446.71	88.31	313.58	5694.63	2114.63	696.13	-242.79	639.17	737.25	340.77	15.00
6456.71	88.16	312.09	5694.94	2114.94	702.93	-250.12	649.16	746.10	340.41	15.00
6466.71	88.01	310.60	5695.28	2115.28	709.53	-257.62	659.15	754.85	340.04	15.00
6476.71	87.87	309.10	5695.63	2115.63	715.93	-265.30	669.15	763.50	339.67	15.00
6486.71	87.72	307.61	5696.02	2116.02	722.13	-273.13	679.13	772.06	339.28	15.00
6496.71	87.58	306.12	5696.43	2116.43	728.13	-281.12	689.09	780.51	338.89	15.00
6506.71	87.44	304.62	5696.86	2116.86	733.91	-289.27	699.04	788.86	338.49	15.00
6516.71	87.30	303.13	5697.32	2117.32	739.48	-297.57	708.95	797.10	338.08	15.00
6526.71	87.16	301.63	5697.81	2117.81	744.82	-306.00	718.83	805.23	337.67	15.00

Measured Depth FT	Incl Angle Deg	Drift Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
6536.71	87.02	300.13	5698.31	2118.31	749.95	-314.57	728.67	813.25	337.24	15.00
6546.71	86.89	298.64	5698.85	2118.85	754.85	-323.27	738.45	821.16	336.82	15.00
6556.71	86.76	297.14	5699.40	2119.40	759.52	-332.10	748.18	828.95	336.38	15.00
6562.09	86.69	296.34	5699.71	2119.71	761.94	-336.90	753.39	833.10	336.15	15.00
6662.09	86.69	296.34	5705.49	2125.49	806.23	-426.37	850.03	912.03	332.13	.00
6762.09	86.69	296.34	5711.26	2131.26	850.52	-515.84	946.66	994.72	328.76	.00
TARGET										
6783.51	86.69	296.34	5712.50	2132.50	860.00	-535.00	967.35	1012.83	328.11	.00
6793.51	87.85	295.38	5712.98	2132.98	864.36	-543.99	977.00	1021.29	327.82	15.00
6801.36	88.76	294.64	5713.21	2133.21	867.68	-551.11	984.56	1027.90	327.58	15.00
6901.36	88.76	294.64	5715.37	2135.37	909.35	-641.98	1080.54	1113.13	324.78	.00
7001.36	88.76	294.64	5717.54	2137.54	951.03	-732.86	1176.53	1200.64	322.38	.00
7101.36	88.76	294.64	5719.71	2139.71	992.70	-823.74	1272.51	1289.96	320.31	.00
7201.36	88.76	294.64	5721.87	2141.87	1034.38	-914.61	1368.50	1380.74	318.52	.00
7301.36	88.76	294.64	5724.04	2144.04	1076.05	-1005.49	1464.48	1472.72	316.94	.00
TARGET										
7322.83	88.76	294.64	5724.50	2144.50	1085.00	-1025.00	1485.09	1492.60	316.63	.00
7326.70	88.55	295.18	5724.59	2144.59	1086.63	-1028.50	1488.81	1496.19	316.57	15.00
7426.70	88.55	295.18	5727.13	2147.13	1129.15	-1118.98	1585.04	1589.68	315.26	.00
7526.70	88.55	295.18	5729.66	2149.66	1171.68	-1209.45	1681.28	1683.92	314.09	.00
7626.70	88.55	295.18	5732.19	2152.19	1214.20	-1299.92	1777.51	1778.79	313.05	.00
7726.70	88.55	295.18	5734.73	2154.73	1256.73	-1390.39	1873.75	1874.18	312.11	.00
7826.70	88.55	295.18	5737.26	2157.26	1299.25	-1480.86	1969.99	1970.03	311.26	.00
TD: 7875' MD, 2017' VS										
7875.48	88.55	295.18	5738.50	2158.50	1320.00	-1525.00	2016.93	2016.93	310.88	.00

NM "E" St. NCT-1 No. 7
 24 Mar 1997 @ 14:27
 DEPTH (FT)

0	CGR	100
0	GAPI	100
0	SGR	100
0	GAPI	100

0.3	TNPH	-0.1
0.3	dec	-0.1
0.3	DPHI	-0.1
0.3	dec	-0.1

