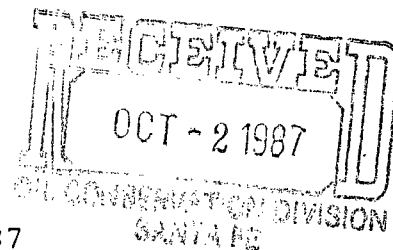


Release Date - Oct 22, 1987



Chevron U.S.A. Inc.
P.O. Box 670, Hobbs, NM 88240

Production Department
Hobbs Division



September 28, 1987

H. T. MATTERN NCT-B
WELLS #25 & ~~#26~~
SECTION 31, T21S, R37E
LEA COUNTY, NEW MEXICO

*NSL-2419
RULE-104A(I)*

Energy, Minerals and Natural
Resources Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

*Drinkard Pool
40 Acres dcd.
SW 1/4 NE 1/4
Section 31*

Gentlemen:

Enclosed are amended applications for permits to drill (C-101)
Chevron's proposed H. T. Mattern (NCT-B) Well Nos. 25 and 26.

H. T. Mattern NCT-B #25 is located:

*This well
only.* →

1400' FNL & 2600' FEL
Section 31, T21S R37E
Lea County, New Mexico

H. T. Mattern NCT-B #26 is located:

1200' FNL & 1400' FWL
Section 31, T21S R37E
Lea County, New Mexico

These wells are being proposed in unorthodox locations in the Drinkard Pool because reservoir drainage calculations from surrounding wells indicate that these wells will not be able to deplete the Drinkard Pool. Therefore, the proposed locations are in the best infill position to maximize oil recovery from parts of the Drinkard Pool that existing wells will not be able to deplete.

For the H. T. Mattern (NCT-B) #25, I have enclosed copies of the letters sent via registered mail to Amerada Hess notifying them of Chevron's Application for Permit to Drill, and a copy of the pre-printed "Waiver of Objection" Form, sent to expedite the approval process, to ensure a timely response to our request.

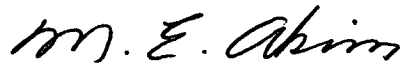
For the H. T. Mattern (NCT-B) #26, I have enclosed a map showing that Chevron is the only offset operator. Since Chevron is the affected offset operator and is also the operator applying for

an unorthodox location, we ask that the Energy, Minerals, and Natural Resources Department waive the required time frame used for notification and approve our application for well #26 after review.

These applications for Permit to Drill supersede all pervious waivers and applications.

If you have any questions concerning these applications, please contact me at (505) 393-4121.

Yours very truly,

A handwritten signature in dark ink, appearing to read "M. E. Akins". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

M. E. AKINS
Staff Drilling Engineer

MEA/ds

Attachments

cc: Jerry Sexton - OCD, Hobbs w/ attachments

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

AMENDED (NEW LOCATION)

5A. Indicate Type of Lease	
STATE ☐	FEE ☒
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work			7. Unit Agreement Name		
b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐ DEEPEN ☐ PLUG BACK ☐			H.T. Mattern (NCT-B)		
2. Name of Operator Chevron U.S.A. Inc.			8. Farm or Lease Name		
3. Address of Operator P.O. Box 670, Hobbs, NM 88240			9. Well No. 25		
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1400</u> FEET FROM THE <u>North</u> LINE AND <u>2600</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>31</u> TWP. <u>21S</u> RGE. <u>37E</u> NMPM			10. Field and Pool, or Wildcat Drinkard		
			12. County Lea		
19. Proposed Depth 6820		19A. Formation Drinkard		20. Rotary or C.T. rotary	
21. Elevations (Show whether DF, RT, etc.) 3497		21A. Kind & Status Plug. Bond blanket		21B. Drilling Contractor nyk	
				22. Approx. Date Work will start ASAP	

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#	400'	275sx C	circ surf
11 "	8 5/8"	32 & 24#	2700' (est)	625sx C	"
7 7/8"	5 1/2"	15.5#	6800'	1100sx C	"

Mud Program;

0 - 400' FW Spud Mud 8.6-8.8
400 - 2700' Saturated Brine 10 - 10.2
2700 - 4600' FW 8.3-8.4
4600 - 6800' FW gel 8.8 - 9.0ppg, 20-12 water loss.

BOP Requirements: See attached drawing

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed M. E. Aburn Title Staff Drilling Engineer Date Sept. 25, 1987

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

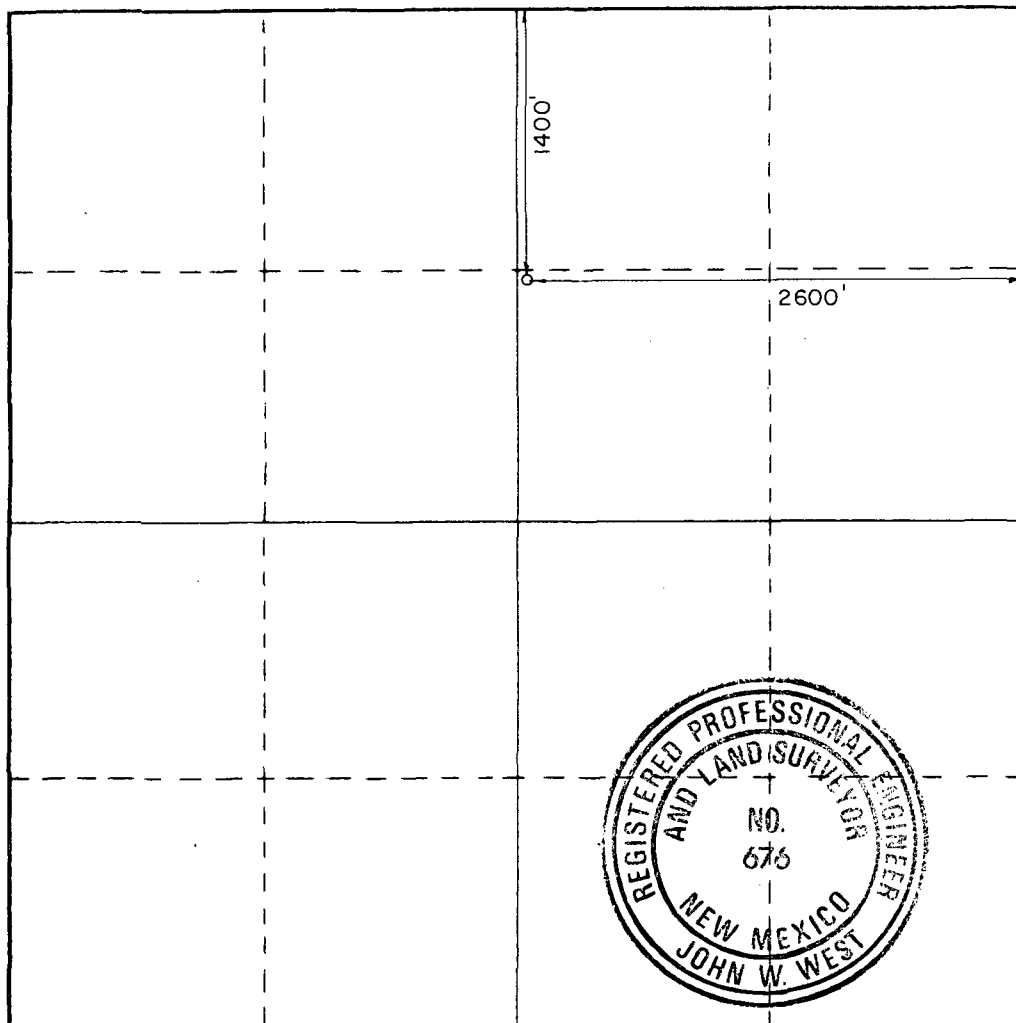
Operator Chevron USA, Inc.			Lease H. T. Mattern NCT-B		Well No. 25
Unit Letter G	Section 31	Township 21 South	Range 37 East	County Lea	
Actual Footage Location of Well: 1400 feet from the north line and 2600 feet from the east line					
Ground Level Elev. 3490.1	Producing Formation Drinkard	Pool Drinkard		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

M. E. Akins

Name
M. E. Akins
Position
Staff Drilling Engineer
Company
Chevron U.S.A. INC.
Date
September 28, 1987

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
September 25, 1987

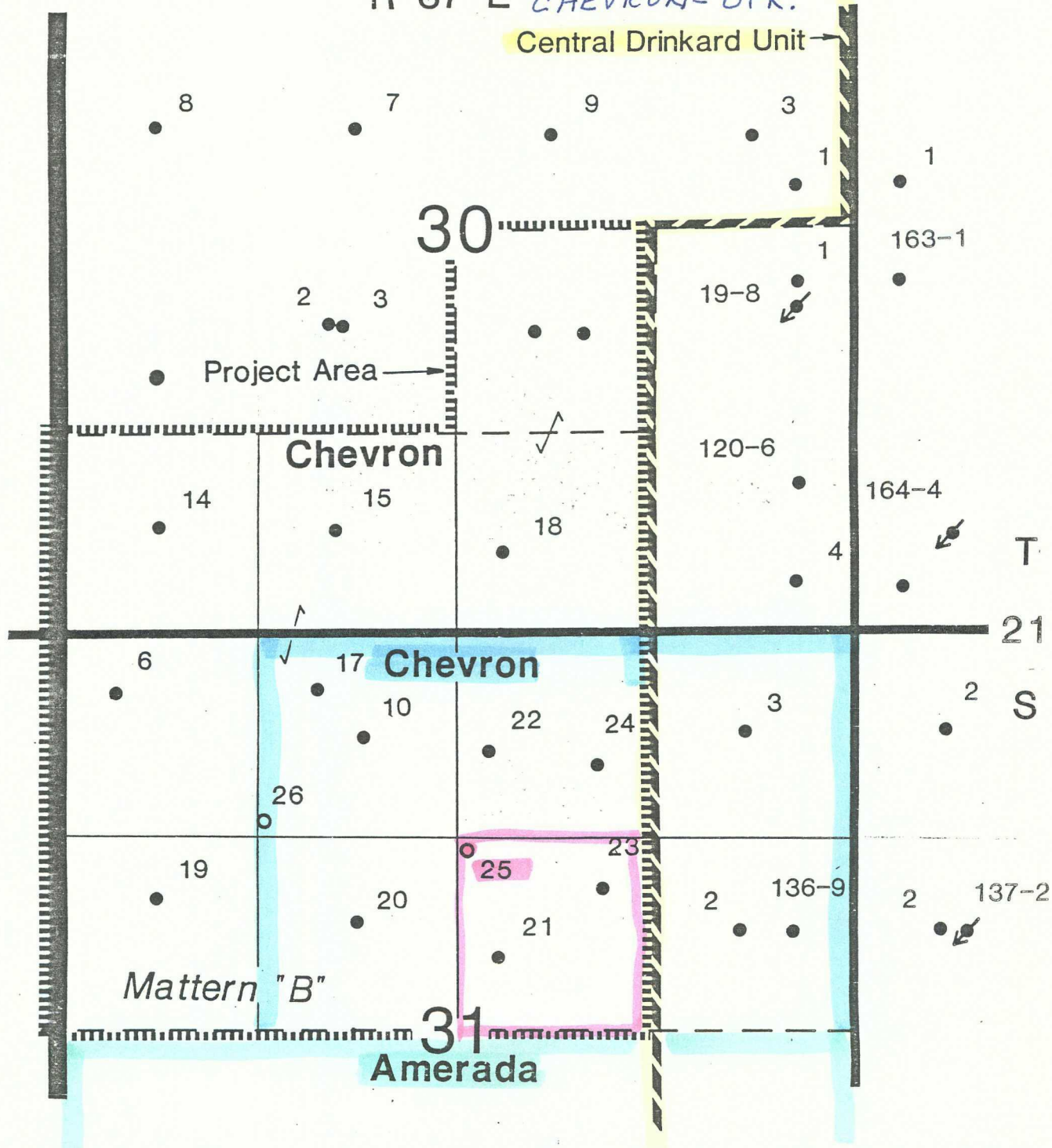
Registered Professional Engineer and/or Land Surveyor

Ronald J. Eidson

Certificate No. **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239

R-37-E *CHEVRON-OPR.*

Central Drinkard Unit



LEGEND

HT MATTERN #25



Chevron U.S.A. Inc.
Southern Region - Exploration, Land and Production

Mattern "B" Lease
Lea County, New Mexico

Scale: 1" = 1000'

9/87

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

AMENDED (NEW LOCATION)

5A. Indicate Type of Lease	
STATE ☐	FEE ☒
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work			7. Unit Agreement Name		
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐ OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐			8. Farm or Lease Name H. T. Mattern (NCT-B)		
2. Name of Operator Chevron U.S.A. Inc.			9. Well No. 26		
3. Address of Operator P.O. Box 670, Hobbs, NM 88240			10. Field and Pool, or Wildcat Drinkard		
4. Location of Well UNIT LETTER <u>C</u> LOCATED <u>1200</u> FEET FROM THE <u>North</u> LINE AND <u>1400</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>31</u> TWP. <u>21S</u> RGE. <u>37E</u> NMPM			12. County Lea		
19. Proposed Depth 6820			19A. Formation Drinkard		20. Rotary or C.T. rotary
21. Elevations (Show whether DF, RT, etc.) 3500		21A. Kind & Status Plug. Bond blanket		22. Approx. Date Work will start ASAP	

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#	400'	275sx C	circ surf
11 "	8 5/8"	32 & 24#	2700'	(est) 625 sx C	" "
7 7/8"	5 1/2"	15.5#	6800'	1100sx C	" "

Mud Program:

0 - 400 FW Spud Mud 8.6-8.8
400 - 2700' Saturated Brine 10 - 10.2
2700 - 4600' FW 8.3-8.4
4600 - 6800' FW get 8.8 - 9.0ppg 20-12 water loss.

BOP Requirements: See attached drawing

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed M. E. Abim Title Staff Drilling Engineer Date Sept. 25, 1987

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

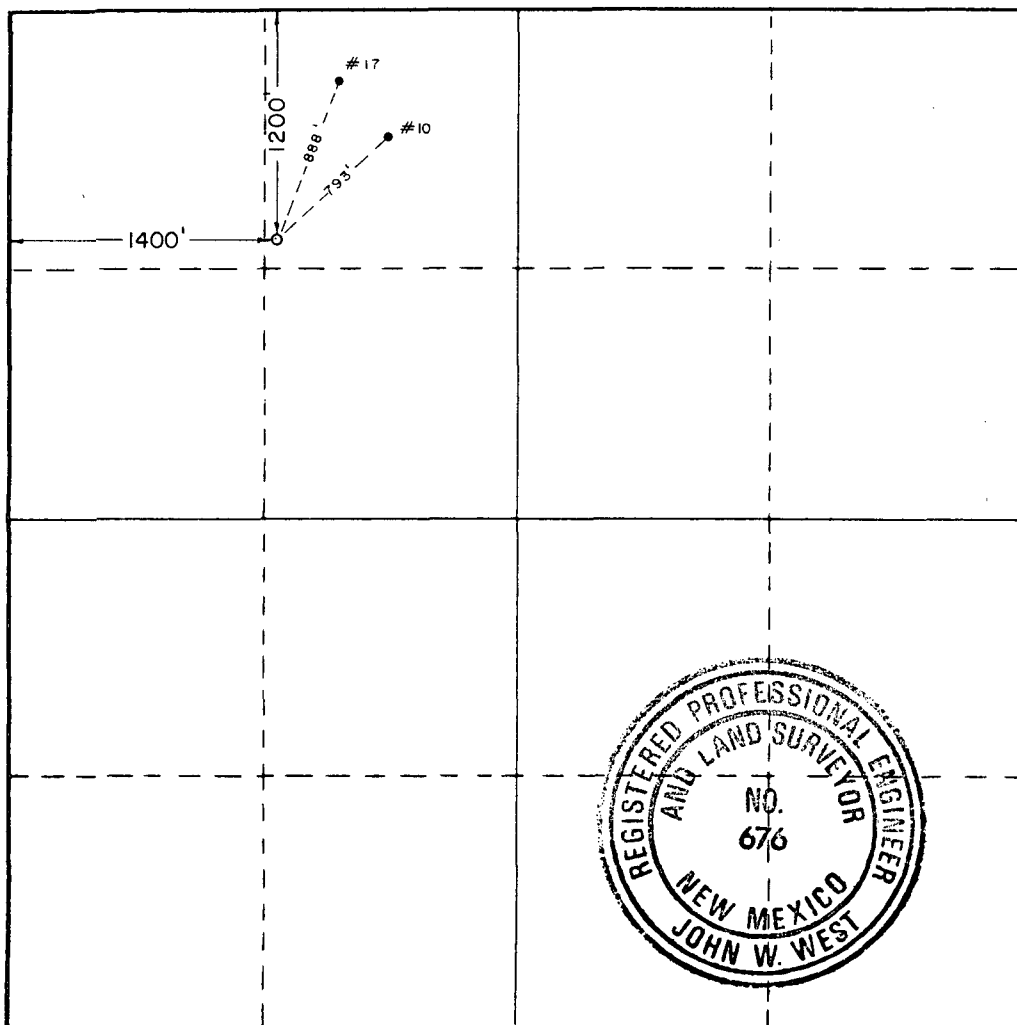
Operator Chevron USA, Inc.			Lease H. T. Mattern NCT-B		Well No. 26
Unit Letter C	Section 31	Township 21 South	Range 37 East	County Lea	
Actual Footage Location of Well: 1200 feet from the north line and 1400 feet from the west line					
Ground Level Elev. 3494.0	Producing Formation Drinkard	Pool Drinkard	Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

M. E. Akins

Name

M. E. Akins

Position

Staff Drilling Engineer

Company

Chevron U.S.A. Inc.

Date

September 28, 1987

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

September 25, 1987

Registered Professional Engineer and/or Land Surveyor

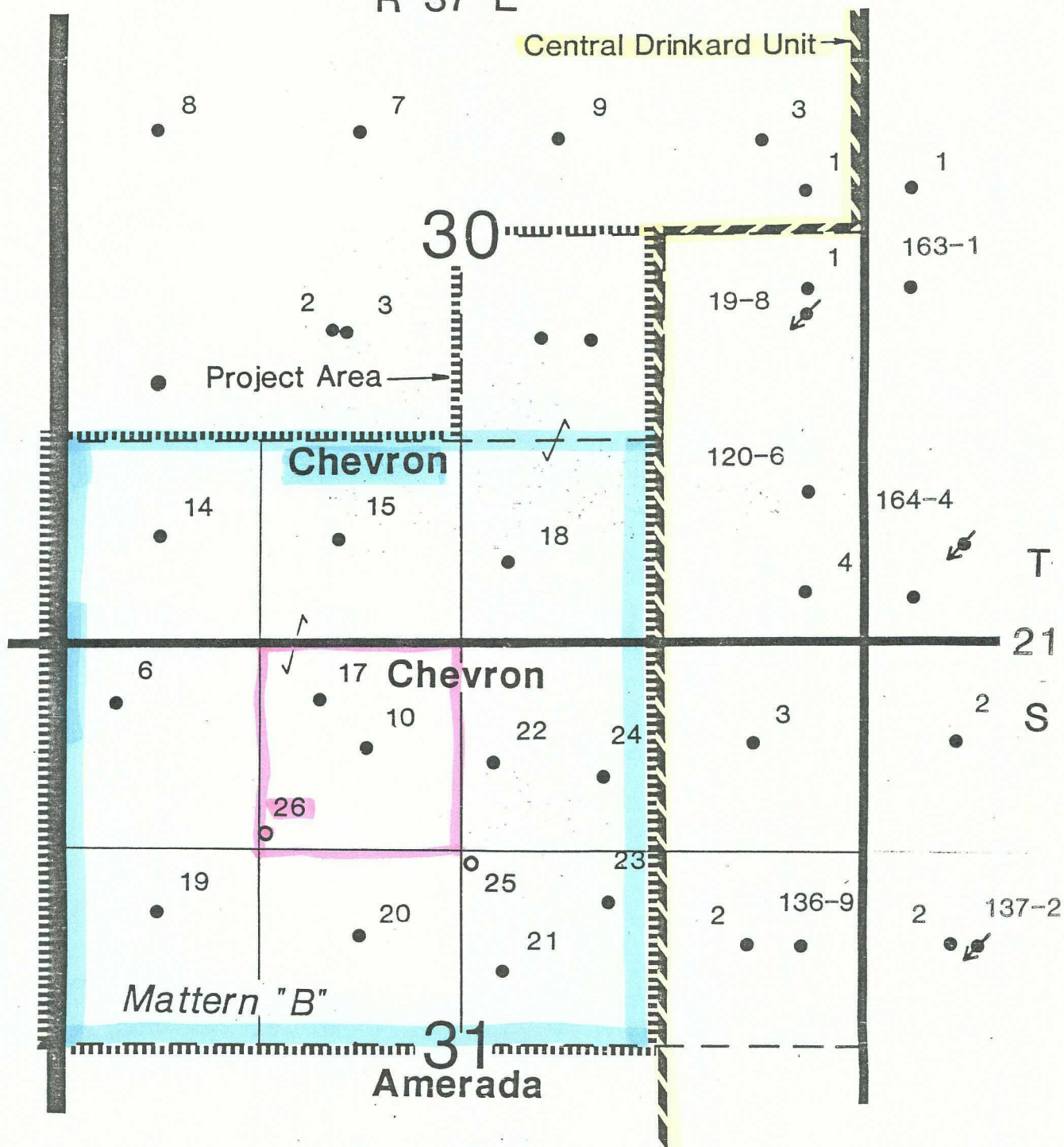
John W. West

Certificate No. **JOHN W. WEST, 676**

RONALD J. EIDSON, 3239

R-37-E

Central Drinkard Unit



LEGEND

HT MATTERN #26



Chevron USA, Inc.
Southern Region - Exploration, Land and Production

Mattern "B" Lease
Lea County, New Mexico

Scale: 1" = 1000'

9/87



Chevron U.S.A. Inc.
P.O. Box 670, Hobbs, NM 88240

Production Department
Hobbs Division

September 28, 1987

H. T. MATTERN NCT-B #26
SECTION 31, T21S, R37E
LEA COUNTY, NEW MEXICO

Amerada Hess
P.O. Box Drawer D
Monument, New Mexico 88265

Gentlemen:

Enclosed is a copy of Chevron's Application for Permit to Drill the H. T. Mattern NCT-B #25, located 1400' FNL and 2600' FEL, Section 31, T21S, R37E, Lea County, New Mexico. We are sending this information to affected offset operators via registered mail per New Mexico Energy and Mineral Department regulations.

The above-mentioned location is being proposed in an unorthodox location in the Drinkard Pool because reservoir drainage calculations indicate that existing wells will not be able to deplete the field. Therefore, the proposed location is in the best infill position to maximize oil recovery from parts of the Drinkard Pool that existing wells will not be able to deplete.

If Amerada Hess does not have any objection to this application, we request that Amerada Hess sign the enclosed "Waiver of Objection" form sent for your convenience and return to the Energy and Minerals Department in Santa Fe, New Mexico, in the enclosed postage paid envelope.

If you have any questions concerning this application, please contact me at (505) 393-4121.

Yours very truly,

M. E. AKINS
STAFF DRILLING ENGINEER

MEA/ds

Attachments

September 28, 1987

WAIVER OF OBJECTION TO
UNORTHODOX LOCATION

Energy, Minerals, and Natural
Resources Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Gentlemen:

This is to advise that the undersigned has been given due notice that Chevron U.S.A. Inc. has made application for permit to drill the H. T. Mattern NCT-B #25 in the Drinkard Pool in an unorthodox location.

We hereby waive any objection to the granting of the permit to drill the H. T. Mattern NCT-B #25. This well is to be located 1400' FNL and 2600' FEL, Section 31, T21S, R37E, Lea County, New Mexico.

Executed this _____ day of _____, 1987.

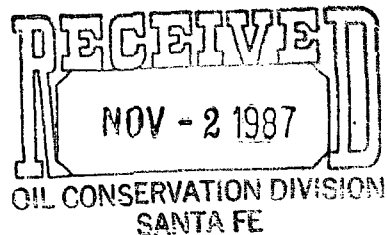
Yours very truly,

(Name of Company)

By: _____

Title: _____

MEA/ds



September 28, 1987

WAIVER OF OBJECTION TO
UNORTHODOX LOCATION

Energy, Minerals, and Natural
Resources Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

NSC-2419

Gentlemen:

This is to advise that the undersigned has been given due notice that Chevron U.S.A. Inc. has made application for permit to drill the H. T. Mattern NCT-B #25 in the Drinkard Pool in an unorthodox location.

We hereby waive any objection to the granting of the permit to drill the H. T. Mattern NCT-B #25. This well is to be located 1400' FNL and 2600' FEL, Section 31, T21S, R37E, Lea County, New Mexico.

Executed this 28 day of October, 1987.

Yours very truly,

Amerada Hess Corporation

(Name of Company)

By:

S. W. Dull

Title: Area Production Supervisor

MEA/ds