

9/17/08

SUSPENSE

W Jones  
ENGINEER9/17/08  
LOGGED INWFX  
TYPEPKUR0826150241  
APP NO.

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [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 - Simultaneous Dedication  
 NSL  NSP  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

- [D] Other: Specify \_\_\_\_\_

**[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,  
WILL BE SENT AS SOON AS RECEIVED  
  
 [F]  Waivers are Attached

**[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.****[4] CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

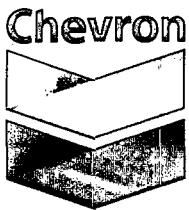
Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name  
TERRY K MORRIS

Signature

Title  
NM Env Tech AssessorDate  
9-11-2008

TERRY K MORRIS @ CHEVRON.COM  
e-mail Address



T. K. Morris  
NM Technical Assist.  
Permian Basin

Mid-Continent Business Unit  
Chevron U.S.A., Inc.  
15 Smith Rd.  
Midland, Texas 79705  
Tel 432-687-7364  
[tkmo@Chevron.com](mailto:tkmo@Chevron.com)

September 4, 2008

APPLICATION FOR AUTHORIZATION TO INJECT – OCD FORM C-108  
CENTRAL DRINKARD UNIT - DRINKARD POOL  
LEA COUNTY, NEW MEXICO

State of New Mexico  
Energy and Minerals Dept  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

RECEIVED  
8 SEP 12 PM 1 17

Attention: Mr. David Catanach

*OGRIS 4323*  
Chevron U.S.A., Inc. requests your approval of the subject application to inject water into the Central Drinkard Unit well #'s 435, 436, 437 & 438 in Lea County, New Mexico. The locations of the wells are:

CDU 435 - 660' FNL 340' FWL – Sec 29 T-21S R-37E UL-D *1300psi*  
CDU 436 - 660' FNL 1010' FWL – Sec 29 T-21S R-37E UL-D  
CDU 437 - 660' FNL 2486' FEL – Sec 29 T-21S R-37E UL-B  
CDU 438 - 1235' FNL 790' FEL – Sec 29 T-21S R-37E UL-A

Chevron plans to inject water into the subject wells which is produced from the Central Drinkard Unit and on an as needed basis, the Eunice King lease which produces from the Grayburg San Andres formation.

Attached is an OCD Form C-108 with information relative to the water injection of the referenced wells. A copy of the letter sent to this project's surface land owner, the New Mexico Department of Public Lands, and the offset operators, along with certified documentation, is included in the attachments.

Your prompt consideration and approval of this application will be greatly appreciated. If additional information is required, please contact me at (432) 687-7364 or Richard Jenkins, Production Engineer, (432) 687-7120.

Sincerely,

A handwritten signature in black ink that reads "Trudy Morris". The signature is fluid and cursive, with "Trudy" having a long, sweeping flourish.

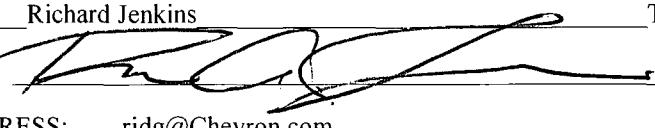
Trudy K. Morris  
Technical Assistant - New Mexico Team  
Attachment

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE:  Secondary Recovery       Pressure Maintenance       Disposal       Storage  
Application qualifies for administrative approval?       Yes       No
- II. OPERATOR: Chevron Corporation  
ADDRESS: 15 Smith Rd., Midland, TX 79705  
CONTACT PARTY: Trudy Morris      PHONE: 432-687-7364
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project?  Yes       No  
If yes, give the Division order number authorizing the project: Order # R-4256      *WFX 2/8/72  
(15 inj' wells)*
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. attached
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail. attached
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.). attached
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval. attached
- IX. Describe the proposed stimulation program, if any. attached
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water. attached
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. attached
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Richard Jenkins

TITLE: Petroleum Engineer

SIGNATURE: 

DATE: 9/04/2008

E-MAIL ADDRESS: rjdg@Chevron.com

\* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: \_\_\_\_\_

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well. attached

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any. attached

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days. attached

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

# Central Drinkard Unit #435 436 437 & 438

**Location:**

Sec-29 T-21S, R-37E

**Unit Letter:** D

**Field:** Drinkard

**County:** Lea

**State:** NM

**Well Info:**

**Spud Date:**

**API:**

**Cost Center:**

**WBS#:**

**RefNO:**

## Proposed Wellbore Diagram

**Elevations:**

DF:

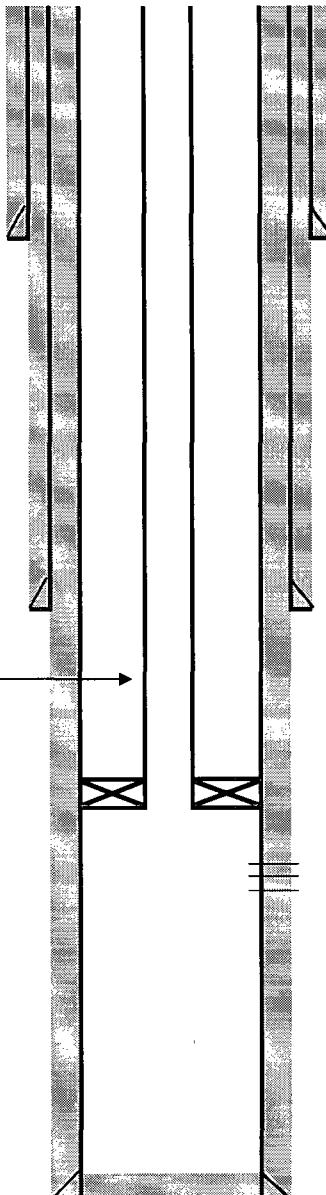
KB:

GL: 3495'

*DRINKARD pool*  
*[Signature]*

2-3/8" IPC Tubing →

5-1/2" nickel-plated inj. packer @ 6495'


**Surface Casing**

**Size:** 11 3/4", 42#, H-40

**Set @:** 500'

**With:** 500 sx

**Hole Size:** 14 3/4"

**TOC @ Surface**

**By:** Circulation

**Intermediate Casing**

**Size:** 8 5/8", 24#, K-55

**Set @:** 2900'

**With:** 900 sx

**Hole Size:** 11"

**TOC:** Surface

**By:** Circulation

Drinkard ~6525'-6665'

**Production Casing**

**Size:** 5 1/2", 15.5#, J-55

**Set @:** 6660'

**With:** 1500 sx

**Hole Size:** 7 7/8"

**TOC:** Surface

**By:** Circulation

PBTD:

TD: 6800'

Updated: 21-Aug-08

By: rjdg

## INJECTION WELL DATA SHEET

OPERATOR: \_\_\_\_\_ Chevron Corporation  
 WELL NAME & NUMBER: \_\_\_\_\_ Central Drinkard Unit #438  
 WELL LOCATION: \_\_\_\_\_ 1235' FNL 790' FEL  
 FOOTAGE LOCATION \_\_\_\_\_  
 UNIT LETTER: A  
 SECTION: 29  
 TOWNSHIP: 21S  
 RANGE: 37E  
**WELLBORE SCHEMATIC**

**WELL CONSTRUCTION DATA**  
Surface Casing

Hole Size: \_\_\_\_\_ 14 3/4" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 11 3/4" \_\_\_\_\_  
 Cemented with: \_\_\_\_\_ 500 \_\_\_\_\_ ss. or \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: \_\_\_\_\_ Circulated \_\_\_\_\_  
Intermediate Casing

Hole Size: \_\_\_\_\_ 11" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 8 5/8" \_\_\_\_\_  
 Cemented with: \_\_\_\_\_ 900 \_\_\_\_\_ ss. or \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: \_\_\_\_\_ Circulated \_\_\_\_\_  
Production Casing

Hole Size: \_\_\_\_\_ 7 7/8" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 5 1/2" \_\_\_\_\_  
 Cemented with: \_\_\_\_\_ 1500 \_\_\_\_\_ ss. or \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: \_\_\_\_\_ Circulated \_\_\_\_\_  
 Total Depth: \_\_\_\_\_ 6800' \_\_\_\_\_  
Injection Interval  
 \_\_\_\_\_ 6525' \_\_\_\_\_ feet to \_\_\_\_\_ 6645' \_\_\_\_\_ Perforated

(Perforated or Open Hole; indicate which)

**INJECTION WELL DATA SHEET**

Tubing Size: \_\_\_\_\_ 2 3/8" \_\_\_\_\_ Lining Material: \_\_\_\_\_ Internal Plastic Coating \_\_\_\_\_

Type of Packer: \_\_\_\_\_ 5 1/2" Nickel Plated Injection Packer \_\_\_\_\_

Packer Setting Depth: \_\_\_\_\_ ~6475' \_\_\_\_\_

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

**Additional Data**

1. Is this a new well drilled for injection? \_\_\_\_\_ Yes \_\_\_\_\_  
If no, for what purpose was the well originally drilled? \_\_\_\_\_
2. Name of the Injection Formation: \_\_\_\_\_ Drinkard \_\_\_\_\_
3. Name of Field or Pool (if applicable): \_\_\_\_\_ Drinkard \_\_\_\_\_
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. \_\_\_\_\_ No \_\_\_\_\_
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Queen – 3357', Grayburg – 3608', San Andres – 3866', Glorieta – 5085', Blinebry – 5494',  
Tubb – 6051', Drinkard – 6403', Abo – 6660', Simpson – 7375', Ellenburg – 8080'

## INJECTION WELL DATA SHEET

OPERATOR: \_\_\_\_\_ Chevron Corporation \_\_\_\_\_

WELL NAME &amp; NUMBER: \_\_\_\_\_ Central Drinkard Unit #437

WELL LOCATION: \_\_\_\_\_ 660' FNL 2486' FEL  
FOOTAGE LOCATION \_\_\_\_\_UNIT LETTER: \_\_\_\_\_ B  
UNIT LETTER: \_\_\_\_\_WELLBORE SCHEMATICWELL CONSTRUCTION DATA  
Surface Casing

Hole Size: \_\_\_\_\_ 14 3/4" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 11 3/4" \_\_\_\_\_

Cemented with: \_\_\_\_\_ 500 \_\_\_\_\_ sx. or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: \_\_\_\_\_ Circulated \_\_\_\_\_

Intermediate Casing

Hole Size: \_\_\_\_\_ 11" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 8 5/8" \_\_\_\_\_

Cemented with: \_\_\_\_\_ 900 \_\_\_\_\_ sx. or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: \_\_\_\_\_ Circulated \_\_\_\_\_

Production Casing

Hole Size: \_\_\_\_\_ 7 7/8" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 5 1/2" \_\_\_\_\_

Cemented with: \_\_\_\_\_ 1500 \_\_\_\_\_ sx. or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: \_\_\_\_\_ Circulated \_\_\_\_\_

Total Depth: \_\_\_\_\_ 6800' \_\_\_\_\_

Injection Interval

6526' \_\_\_\_\_ feet to \_\_\_\_\_ 6646' \_\_\_\_\_ Perforated

(Perforated or Open Hole; indicate which)

## INJECTION WELL DATA SHEET

Tubing Size: 2 3/8" Lining Material: Internal Plastic Coating  
Type of Packer: 5 1/2" Nickel Plated Injection Packer

Packer Setting Depth: ~6476'

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

### Additional Data

1. Is this a new well drilled for injection? \_\_\_\_\_ Yes \_\_\_\_\_

If no, for what purpose was the well originally drilled? \_\_\_\_\_

2. Name of the Injection Formation: \_\_\_\_\_ Drinkard \_\_\_\_\_

3. Name of Field or Pool (if applicable): \_\_\_\_\_ Drinkard \_\_\_\_\_

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. \_\_\_\_\_ No \_\_\_\_\_

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Queen – 3390', Grayburg – 3665', San Andres – 3965', Glorieta – 5110', Blinebry – 5645',  
Tubb – 6144', Drinkard – 6415', Abo – 6660', Simpson – 7375', Ellenger – 8080',

## INJECTION WELL DATA SHEET

OPERATOR: \_\_\_\_\_ Chevron Corporation

WELL NAME &amp; NUMBER: \_\_\_\_\_ Central Drinkard Unit #436

WELL LOCATION: \_\_\_\_\_ 660' FNL 1010' FWL  
FOOTAGE LOCATION  
UNIT LETTER D  
SECTION 29  
TOWNSHIP 21S  
RANGE 37EWELLBORE SCHEMATICWELL CONSTRUCTION DATA  
Surface Casing

Hole Size: \_\_\_\_\_ 14 3/4" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 11 3/4" \_\_\_\_\_

Cemented with: \_\_\_\_\_ 500 \_\_\_\_\_ sx. or \_\_\_\_\_ ft<sup>3</sup>Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: Circulated \_\_\_\_\_  
Intermediate Casing

Hole Size: \_\_\_\_\_ 11" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 8 5/8" \_\_\_\_\_

Cemented with: \_\_\_\_\_ 900 \_\_\_\_\_ sx. or \_\_\_\_\_ ft<sup>3</sup>Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: Circulated \_\_\_\_\_  
Production Casing

Hole Size: \_\_\_\_\_ 7 7/8" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 5 1/2" \_\_\_\_\_

Cemented with: \_\_\_\_\_ 1500 \_\_\_\_\_ sx. or \_\_\_\_\_ ft<sup>3</sup>Top of Cement: \_\_\_\_\_ Surf \_\_\_\_\_ Method Determined: Circulated \_\_\_\_\_  
Total Depth: \_\_\_\_\_ 6800' \_\_\_\_\_Injection Interval6539' \_\_\_\_\_ feet to \_\_\_\_\_ 6659' \_\_\_\_\_ Perforated  
(Perforated or Open Hole; indicate which)

**INJECTION WELL DATA SHEET**Tubing Size: 2 3/8" Lining Material: Internal Plastic CoatingType of Packer: 5 1/2" Nickel Plated Injection PackerPacker Setting Depth: ~6489'

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

**Additional Data**

1. Is this a new well drilled for injection? \_\_\_\_\_ Yes \_\_\_\_\_  
If no, for what purpose was the well originally drilled? \_\_\_\_\_
2. Name of the Injection Formation: \_\_\_\_\_ Drinkard \_\_\_\_\_
3. Name of Field or Pool (if applicable): \_\_\_\_\_ Drinkard \_\_\_\_\_
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. \_\_\_\_\_ No \_\_\_\_\_

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Queen - 3390', Grayburg - 3665', San Andres - 3965', Glorieta - 5110', Blinebry - 5645',  
Tubb - 6144', Drinkard - 6415', Abo - 6660', Simpson - 7375', Ellensburger - 8080'

## INJECTION WELL DATA SHEET

OPERATOR: \_\_\_\_\_ Chevron Corporation

WELL NAME &amp; NUMBER: \_\_\_\_\_ Central Drinkard Unit #435

WELL LOCATION: \_\_\_\_\_ 660' FNL 340' FWL \_\_\_\_\_ FOOTAGE LOCATION D SECTION 29 TOWNSHIP 21S RANGE 37E  
UNIT LETTER \_\_\_\_\_WELLBORE SCHEMATICWELL CONSTRUCTION DATA  
Surface Casing

Hole Size: \_\_\_\_\_ 14 3/4" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 11 3/4" \_\_\_\_\_

Cemented with: \_\_\_\_\_ 500 \_\_\_\_\_ sx. or \_\_\_\_\_ ft<sup>3</sup>Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: \_\_\_\_\_ Circulated \_\_\_\_\_  
Intermediate Casing

Hole Size: \_\_\_\_\_ 11" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 8 5/8" \_\_\_\_\_

Cemented with: \_\_\_\_\_ 900 \_\_\_\_\_ sx. or \_\_\_\_\_ ft<sup>3</sup>Top of Cement: \_\_\_\_\_ Surface \_\_\_\_\_ Method Determined: \_\_\_\_\_ Circulated \_\_\_\_\_  
Production Casing

Hole Size: \_\_\_\_\_ 7 7/8" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 5 1/2" \_\_\_\_\_

Cemented with: \_\_\_\_\_ 1500 \_\_\_\_\_ sx. or \_\_\_\_\_ ft<sup>3</sup>Top of Cement: \_\_\_\_\_ surf \_\_\_\_\_ Method Determined: \_\_\_\_\_ Circulated \_\_\_\_\_  
Total Depth: \_\_\_\_\_ 6800' \_\_\_\_\_Injection Interval

6545' \_\_\_\_\_ feet to \_\_\_\_\_ 6665' \_\_\_\_\_ Perforated

(Perforated or Open Hole; indicate which)

**INJECTION WELL DATA SHEET**Tubing Size: 2 3/8" Lining Material: Internal Plastic CoatingType of Packer: 5 1/2" Nickel Plated Injection PackerPacker Setting Depth: ~6495'

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

**Additional Data**

1. Is this a new well drilled for injection? Yes \_\_\_\_\_  
If no, for what purpose was the well originally drilled? \_\_\_\_\_
2. Name of the Injection Formation: Drinkard \_\_\_\_\_
3. Name of Field or Pool (if applicable): Drinkard \_\_\_\_\_
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No \_\_\_\_\_
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Queen - 3390', Grayburg - 3665', San Andres - 3965', Glorietta - 5110', Blinebry - 5645',  
Tubb - 6145', Drinkard - 6465', Abo - 6660', Simpson - 7375', Ellenger - 8080',

## ATTACHMENT TO FORM C-108

### **RE: Central Drinkard Unit – Well #'s 435, 436, 437 & 438**

- PART I      Chevron Corporation plans to drill the above referenced wells as injection wells in the Drinkard formation.
- PART II     Chevron Corporation  
15 Smith Rd  
Midland, TX 79705
- PART III    Well Data Sheets attached
- PART IV    This is an expansion of an existing project.
- PART V     Map attached designating ½ mile and 2 mile radius of review area.
- PART VI    There are 49 wells within the area of review which penetrate the proposed injection zone. Five wells are P&A. Well tabulation and P&A Schematics are attached.
- PART VII   1) Anticipated injection rates could be as high as 2000 barrels of water per day for each well. Average rates are anticipated to be half of these maximums.  
  
2) This will be a closed system.  
  
3) The proposed average injection pressure is 1350 psi and the maximum injection pressure is 1500 psi.  
  
4) The water to be injected is produced water from the Central Drinkard Unit and on an as needed basis, the Eunice King Lease, which produces from the Grayburg San Andres formation.  
  
5) Injection is for production enhancement, not disposal, and is in a zone which is productive of oil or gas.
- PART VIII   The proposed injection zone is the Drinkard, and the lithology is dolomite. The top of the Drinkard is approximately 6403' MD, and the injection zone is at 6525'-6665'. Fresh water zones in the area are the Ogallala at 100'-250' from the surface and the Chinle at 250'-350'. There is no fresh water known below the injection zone.
- PART IX     The stimulation program will be ~3,000 gallons 20% HCL acid and Frac with 60K 20/40 Resin Coated Sand.

- PART X      Well logs and test data will be submitted as soon as the wells have been drilled.
- PART XI     There are no fresh water wells which are producing and available within the area of review.
- PART XII    Chevron Corporation has examined available geologic and engineering data and finds no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- PART XIII   Copies of the OCD Form C-108, the Well Data Sheet and map have been sent to the offset operators and surface owner as per the listing below.

Marathon Oil Company                       Stephens & Johnson Op Co  
5555 San Felipe Road                       P.O. Box 2249  
Houston, Texas 77056-2723               Wichita Falls, Texas 76307

Campbell & Hedrick                       Apache Corporation  
P. O. Box 401                               2000 Post Oak Blvd., Suite 100  
Midland, Texas 79701                       Houston, TX 77056-4400

John H. Hendrix Corporation  
P. O. Box 3040  
Midland, TX 79702-3040

Surface Owner: State of New Mexico

A copy of the Legal Notice as published in the Hobbs News-Sun is attached to this filing. Certified copy will be forwarded as soon as it is received in this office.

**Jones, William V., EMNRD**

---

**From:** Morris, Trudy (TKMO) [TKMO@chevron.com]  
**Sent:** Tuesday, October 14, 2008 1:54 PM  
**To:** Jones, William V., EMNRD  
**Subject:** CDU 435 436 437 & 438 C108 Affidavit of publication  
**Attachments:** Affidavit of Publication.tif

Will,

Please find attached the Affidavit of Publication for the Central Drinkard Unit 435, 436, 437 and 438 C108.

Trudy

Trudy Morris  
NM Eng. Tech Assistant  
Midland, TX

<<Affidavit of Publication.tif>>

---

This inbound email has been scanned by the MessageLabs Email Security System.

---

AFFIDAVIT OF PUBLICATION

State of New Mexico,  
County of Lea.

I, KATHI BEARDEN

PUBLISHER

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published in the regular and entire issue of said paper, and not a supplement thereof for a period

of 1 issue(s).

Beginning with the issue dated  
SEPTEMBER 11, 2008

and ending with the issue dated  
SEPTEMBER 11, 2008



PUBLISHER

Sworn and subscribed to before

me this 11th day of  
SEPTEMBER 2008

Notary Public.

My Commission expires  
February 07, 2009  
(Seal)



OFFICIAL SEAL  
DORA MONTZ  
NOTARY PUBLIC  
STATE OF NEW MEXICO  
My Commission Expires: \_\_\_\_\_

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

**LEGAL**  
**SEPTEMBER 11, 2008**

Chevron U.S.A., Inc. has applied to the Oil Conservation Division of the State of New Mexico for approval to drill four injection wells - Central Drinkard Unit #435, 436, 437 & 438. Injection into these wells is designed to enhance production from the central Drinkard Unit. The locations of the wells are as follows:

CDU 435-660' FNL 340 FWL Sec 29 T-21S R-37E UL-D  
CDU 436-660' FNL 1010' FWL Sec 29 T-21S R-37E UL-D  
CDU 437-660' FNL 2486' FWL Sec 29 T-21S R-37E UL-B  
CDU 438-1235' FNL 790' FWL Sec 29 T-21S R-37E UL-A

Lea County, New Mexico

Water will be injected into the Drinkard Pool at an expected maximum rate of 1,500 barrels of water per day and an expected maximum surface pressure of 1350 psi. Persons wanting to contact Chevron should direct their inquiries to Trudy Morris, Chevron U.S.A., Inc., 15 Smith Rd, Midland, Tx 79705, telephone (432)687-7364.

Interested Parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, NM 87505, within 15 days of this notice.  
#24377

01102480 00016867  
CHEVRON USA, INC. RM 3335  
ATTN: TRUDY MORRIS  
15 SMITH RD.  
MIDLAND, TX 79705

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*(Domestic Mail Only; No Insurance Coverage Provided)*

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Total Postage & Fees \$		

Sent To **STEPHEN S J JOHNSON**  
 Street, Apt. No.,  
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PS Form 3800, August 2005

See Reverse for Instructions

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 City, State, ZIP+4 **MIDLAND TX 79702-3040**

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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees \$		

Sent To **APACHE CORP**  
 Street, Apt. No.,  
 or PO Box No. **2000 POST CARIB BLVD STE 100**  
 City, State, ZIP+4 **HOUSTON, TX 77056-4400**

PS Form 3800, August 2005

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Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees \$		

Sent To **CAMPBELL & HEDRICK**  
 Street, Apt. No.,  
 or PO Box No. **P O Box 401**  
 City, State, ZIP+4 **MIDLAND TX 79701**

PS Form 3800, August 2005

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For delivery information visit our website at [www.usps.com](http://www.usps.com).

**OFFICIAL USE**

TRM 3333	Postage \$	
CLAYDESTA STA 18705 Postmark Here		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees \$		

Sent To **STATE OF NEW MEXICO**  
 Street, Apt. No.,  
 or PO Box No. **P O Box 1148**  
 City, State, ZIP+4 **SANTA FE, NM 87504-1148**

PS Form 3800, August 2005

See Reverse for Instructions

**OFFICIAL USE**















Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-0689A 7

5. Indicate Type of Lease

STATE

FEE

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

D. Hardy

8. Well No.

3

9. Pool name or Wildcat

Pendleton Blueberry & G

1. Type of Well:

oil

gas well

other

2. Name of Operator

Sun Exploration & Production Co.

3. Address of Operator

P. O. Box 1861, Midland, Texas 79702

4. Well Location

Unit Letter H : 2310 Feet From The North Line and 330 Feet From The East Line

Section 29 Township 21-S Range 37-E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
3472' GR

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK

PLUG AND ABANDON

REMEDIAL WORK

ALTERING CASING

TEMPORARILY ABANDON

CHANGE PLANS

COMMENCE DRILLING OPNS.

PLUG AND ABANDONMENT

PULL OR ALTER CASING

CASING TEST AND CEMENT JOB

OTHER: \_\_\_\_\_

OTHER: Initial work was to plug back  to the Glorieta, Well P&A'd

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

12-20-88 thru 12-23-88 MIRU DA S WS. Unable to work below 5070'. Milled.

12-24-88 thru 12-26-88 SD for Christmas Holidays.

12-27-88 thru 12-30-88 Set RBP @ 5360', Tested to 1000# O. K. Perf'd Glorieta 5137'-5312 W/LJSPF, 38 holes, 22.5 GC. Acidized perfs w/5000 gls of 20% NEFEHCL in one stage W/60 - 7/8" 1.1 SG RCN BS. Swab'd and flowed 0 BO. Flowing dry gas on 8/64" chk, FTP 900#, RIH w/2-3/8" tbg, 2" X 1-1/2" X 16' pump, TS 5334, SN 5300'

12-31-88 thru 1-8-89 pumped well. 24 hrs P O BO, 80 BW, 56 MCF.

1-9-89 thru 1-16-89 Well shut in.

1-17-89 thru 1-19-89 MIRU X-pert WS. POH w/2-3/8" tbg and pumping set up.

Latched RBP @ 5358', reset @ 5215', set pkr at 5125. Swbd, no oil show. Swabd, Rec'd 0 BO, 44 BW, fair cont gas. Continued swb'g, rec'd 2 BO.

CONTINUED ON PAGE -2-

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

SIGNATURE

Maria L. Perez

TITLE

Accountant

DATE 2-10-89

TYPE OR PRINT NAME

Maria L. Perez

TELEPHONE NO 915-688-0375

(This space for State Use)

R. Radader

OIL & GAS INSPECTOR

MAY 17 1989

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

R N

E

-2-

D. Hardy  
C-103  
P&A'd

1-20-89 thru 2-3-89 Set 5-1/2" CR @5101'. Sqzd perfs from 5137'-5312' W/200 sxs "H" cmt, WOC 4 hrs. Re-sqzd perfs W/150 sxs "H" cmt, snaped out of CR, circ'd out 66 sxs. Drilled out CR @5102 & hard cmt to 5350', top of CIBP. Circ'd hole clean. Pressre tested sqz to 1000#, Helf O.K. Pef'd Glorieta from 5137'-5174' W/1 JSPPF, 21 holes, 22.5 GC. Acidized Glorieta perfs 5137'-5174' W/2000 gals 15% NEFEHCL acid. Swbd O BO. sqz'd perfs W/200 sxs "H" cmt.. Tagged & drilled hard cmt from 4843'-5095'. Circd clean. csg appears partically collapsed or a sliver is bent into wellbore. Milled. Drilled hart cmt to 5175', circd clean. tested sqz to 1000#, O. K. Drilled out CIBP @5360' and cmt to 5392', circd clean. csp appears to have collaped below CIBP at 5360', possibly during the last cement sqz of perfs 5137'-5312'. Prep to P&A.

2-4-89 thru 2-6-89 Well SI, Prep to P&A

2-7-89 thru 2-8-89 Mixed and spot 50 sxs "H" cmt from 5392'-4950'. WOC 4 hrs. Tagged cmt plug at 5005'. Displaced hole W/10 ppg mud. Spot 25 sxs "H" cmt plug from 3665'-3444'. Spot 25 sxs "H" cmt plug from 3300'-3079'. Perf'd 4-way sqz shot at 2600'. Tagged at 2610'. BJ-Tital attempted to EIR into sqz hole at 2600', unable to PI at 3000#. Perf'd 4-way sqz shot at 1100', EIR into sqz hole w/returns out bradenhead, set 5-1/2" CR @ 1011', cmtd W/110 sxs "H" cmt, dumped 10 sxs cmt on retainer. Spot 100' cmt plug at surface. Dig out cellar, cut off wellhead 10' BGL, weld on steel plate, install dry hole marker, RR @5:00 PM 2-7-89.

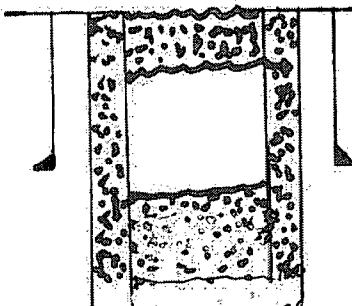
SUNRAY EX OIL COMPANY

D. Hardy No. 3  
Section 29-T21S-R37E  
Lea County, New Mexico

P+A

100' CMT PLUG AT SURF

13 3/8" OD Csg at 317' w/300 sx



9 5/8" OD Csg at 2848 w/1000 sx

25 Sxs H  
CMT  
3300'-3079'

25 Sxs H CMT  
3045'-3444'

2 3/8" OD, 4.7#, BUE tubg

50 Sxs H CMT  
5392'-4950'  
TBD @ 5005'

Baker Production Tube at 5867

5 1/2" OD, 15.5# & 17# csg set at  
7871' w/500 sx. Top of cmt 5160'  
by calculation (100% fill)

Not to Scale

PMT RETAINER @ 100'  
CMTD WITH 10 SXS H' CMT  
10 SXS ON TOP

PERFED 4-WAY SQZ SHOT  
@ 2600' of 1100'  
COULD NOT PI @ 3000#  
@ 2600'

Eumont Perfs: 2920-21, 2943-44,  
2956-57, 2978-79, 2986-87, 3002-03,  
3033-34, 3106-07, 3116-17, 3152-53,  
3177-78, 3195-96, 3236-37, 3253-54,  
3326-27, 3422-23, 3443-45, 3503-04,  
3516-17, 3531-32, 3541-42, 3552-53,  
3563-64.

Penrose Skelly-Grayburg Perfs:  
3665-67, 3680-82, 3688-90,  
3700-02, 3713-15, 3720-22,  
3732-34, 3740-42. - Squeezed  
w/300 sx cmt.

GLORIETTA PERFS. 5137'-5321'  
SQUEEZED 1-20-89.  
200 Sxs H CMT +  
150 Sxs H CMT

Blinebry Perfs 5874-76, 5885-87,  
5894-96, 5899-5901, 5908-10.

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**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

## OIL CONSERVATION DIVISION

2040 Pacheco St.  
Santa Fe, NM 87505

WELL API NO.	30-025-06879	
Indicate Type of Lease		
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>	
State Oil & Gas Lease No.		
Lease Name or Unit Agreement Name		
W.M. Turner		
Well No.	3	
Pool name or Wildcat	Paddock	
Well Location		
Unit Letter 1 : 1960 Feet From The	South	Line and 330 Feet From The East Line
Section 29 Township 21S Range 37E NMPM	Lea	County
Elevation (Show whether DF, RKB, RT, GR, etc.) GR-3464 KB-3476		

11 Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

PLUG AND ABANDON

REMEDIAL WORK

ALTERING CASING

TEMPORARILY ABANDON

CHANGE PLANS

COMMENCE DRILLING OPS.

PLUG AND ANBANDONMENT

PULL OR ALTER CASING

CASING TEST AND CEMENT JOB

OTHER: \_\_\_\_\_

OTHER: \_\_\_\_\_

### SUBSEQUENT REPORT OF:

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

06/20/00--Notify NMOCD of intent to plug and rig up, tag existing CIBP @ 5475, circ. hole w/10# mud  
Spot 25 sx C cement from 5475-5228

06/21/00--Cut 5 1/2 csg @ 2850 and lay down csg

06/22/00--Spot 45 sx C cement w/2% cacl from 2900-2695, WOC, no tag, spot 45 sx C cement 2900-2695, WOC

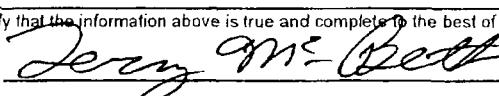
06/23/00--Tag @ 2850, notify OCD of tag, spot 25 sx cement w/3% cacl & 1/2# cellophane from 2850-2685, WOC, no tag, spot 30 sx cement w/3% cacl, WOC

06/26/00--Tag @ 2724, notify OCD of tag, sspot 35 sx C cement from 2100-1965, spot 35 sx C cement w/3% cacl from 350-215, WOC, tag @ 222, notify OCD, pump 10 sx C cement from 60 to surface

06/27/00--RDMO, cut off well head, install dry hole marker, cut off anchors, clean location

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

SIGNATURE



TITLE Key Energy P&A Supervisor

DATE 06-28-00

TYPE OR PRINT NAME Terry McBeth

TELEPHONE NO (915) 52305155

(This space for State Use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY



# PLUGGING & ABANDONMENT WORKSHEET (3 STRING CSNG)

PROPOSED

OPERATOR MARATHON OIL COMPANY  
LEASENAME WM. TURNER

65 PLUG #5	
PLUG #4 <u>13-3/8"</u> <u>@ 300'</u> TOC SURF.	
PLUG #3	
PLUG #2 <u>8-5/8"</u> <u>@ 2836'</u> TOC SURF.	
CSG. CUT	
PLUG #1 <u>CIBP@5475'</u> <u>SET 3/00</u>	
CIBP @ 6100' w/18'	
CIBP @ 7485' w/18'	
CMT. RET @ 7899'	
CMT. RET @ 7898'	
<u>5-1/2"</u> <u>@ 7911'</u> TOC 5000' (4650')	
TD <u>7911'</u>	

DATE 3/22/00

SECT	29	TWN	WELL #	3
FROM	1960	W/S L	21-S RNG	37-E
TD:	7,911'		330 E/W L	
PBTD:	5,475'		FORMATION @ TD	McKEE
			FORMATION @ PBTD	PADDACK

SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	13-3/8"	300'	SURF. CIRC.
INTMED 1	8-5/8"	2836'	SURF. CIRC.
INTMED 2			
PROD	5-1/2"	7,911'	4650' CBL
SIZE	TOP	BOT	DETERMINED BY
LINER 1			
LINER 2			
	CUT & PULL @		TOP - BOTTOM
INTMED 1			PERFS <u>NONE</u> -
INTMED 2			OPENHOLE -
PROD	2850'		

## \* REQUIRED PLUGS DISTRICT I

RUSTLER (ANHYD)	*
YATES	
QUEEN	
GRAYBURG	
SAN ANDRES	
CAPITAN REEF	*
DELAWARE	
BELL CANYON	
CHERRY CANYON	
BRUSHY CANYON	
BONE SPRUNG	
GLORIETA	
BLINBRY	
TUBB	
DRINKARD	
ABO	
WC	
PENN	
STRAWN	
ATOICA	
MORROW	
MISS	
DEVONIAN	

PLUG	TYPE	SACKS	DEPTH
EXAMPLES			
PLUG #1	OH	25 SXS	9850'
PLUG #2	SHOE	50 SXS	8700'-8800'
PLUG #3	CIBP/35'		5300'
PLUG #4	CIBP	25 SXS	5300'
PLUG #5	STUB	50 SXS	4600'-4700'
PLUG #6	RETNR SQZ	200 SXS	400
PLUG #7	SURF	10 SXS	0-10'
PLUG #8	CIBP	25	5275'-5475'
PLUG #9	SHOE/SQZ	40	2785'-2900'
PLUG #10	SALT	35	2000'-2100'
PLUG #11	SHOE	35	250'-350'
PLUG #12	SURF	5	0'-10'
PLUG #13			
PLUG #14			
PLUG #15			
PLUG #16			
PLUG #17			
PLUG #18			
PLUG #19			
PLUG #20			
PLUG #21			
PLUG #22			
PLUG #23			
PLUG #24			
PLUG #25			
PLUG #26			
PLUG #27			
PLUG #28			
PLUG #29			
PLUG #30			
PLUG #31			
PLUG #32			
PLUG #33			
PLUG #34			
PLUG #35			
PLUG #36			
PLUG #37			
PLUG #38			
PLUG #39			
PLUG #40			

Submit 3 Copies To Appropriate District  
 Office  
**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
**District II**  
 811 South First, Artesia, NM 88210  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
**District IV**  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources  
**OIL CONSERVATION DIVISION**  
 2040 South Pacheco  
 Santa Fe, NM 87505

Form C-103  
 Revised March 25, 1999

WELL API NO.
30-025-06915
5. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
NM-317230
7. Lease Name or Unit Agreement Name:
V. M. Henderson
8. Well No.
9
9. Pool name or Wildcat Paddock
Penrose Skelly GB, Tubb

**SUNDRY NOTICES AND REPORTS ON WELLS**

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well  Gas Well  Other

2. Name of Operator

Chevron Texaco Corporation

3. Address of Operator

P.O. Box 3109 Midland, Texas 79702

4. Well Location

Unit Letter G : 1,980 feet from the North line and 1,980 feet from the East line

Section 30 Township 21S Range 37E NMMPM Lea County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK  PLUG AND ABANDON

TEMPORARILY ABANDON  CHANGE PLANS

PULL OR ALTER CASING  MULTIPLE COMPLETION

OTHER:

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK  ALTERING CASING

COMMENCE DRILLING OPNS.  PLUG AND ABANDONMENT

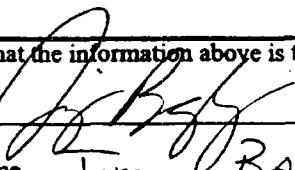
CASING TEST AND CEMENT JOB

OTHER:

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

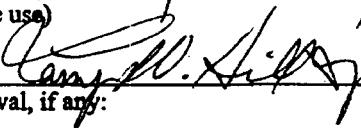
- 1.) R/U on Y-Side, Tag CIBP @ 4,313 fill 2 3/8" casing w/25 sx plug 4,313' - 2,500' (Paddock) Tag @ 2,476 (Top pf fish @ 4,600')
- 2.) R/U on X-side set 2 3/8" CIBP @ 3,850' (Penrose Skelly GB) fill 2 3/8" csg w/25 sx 3,550' - 2,500' Tag cmt @ 2,468'
- 3.) R/U on Z-Side set 2 3/8" CIBP @ 5,100' (Tubb Oil) Fill 2 3/8" csg w/45 sx 5,100' - 2,500' Tag cmt @ 2,465'
- 4.) Cut 3 csg strings @ 2,476', L/D csg spot 55 sx plug 2,476' - 2,300' (Stub) Tag cmt @ 2,356'
- 5.) Displace hole w/MLF 9.5# Brine w/25# gel P/BBL.
- 6.) Spot 55 sx plug 1,400' - 1,200' (T-Salt) Tag cmt @ 1,142'
- 7.) Spot 55 sx plug 400' - 200' (11 3/4" shoe) Tag cmt @ 285' ok w/OCD
- 8.) Circ cmt 30' to surf w/15'sx Install dry hole marker 11/27/01

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

SIGNATURE  TITLE MANAGER DATE 11/27/01

Type or print name Jimmy Bagley Telephone No (915) 683-4996

(This space for State use)

APPROVED BY  TITLE COMPLIANCE OFFICER DATE 11/27/01

Conditions of approval, if any:

GWW

**PLUGGING & ABANDONMENT WORKSHEET**      (1 STRING CSNG)

**OPERATOR** Texaco Exploration & Production Inc.

**LEASENAME** V. M. HENDERSON

CIBP 4313  
Fish @ 4600

BAD CSG  
X STRING  
@ 3872

Y Paddock

Z

X Penrose SKELLY

TD 6757

SECT	30	TWN	WELL #	9
FROM	1980	NSL	21S RNG	37E
TD:	6757		FORMATION @ TD	Drinkard
PBTD:	6755		FORMATION @ PBTD	Paddock

	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	11 3/4	311	SURF	Circ
INTMED 1	8 5/8	2999	SURF	Circ
INTMED 2	2 3/8	6756	2540	TS
PROD	2 3/8	6755	2540	TS
	SIZE	TOP	BOT	TOC DETERMINED BY
LINER 1	2 3/8	5306	2540	TS
LINER 2				
	CUT & PULL @		TOP - BOTTOM	
INTMED 1	2580'	PERFS	5161 - 5174	
INTMED 2	2580'	OPENHOLE	-	
PROD	2580'			

\* REQUIRED PLUGS DISTRICT I

RUSTLER (ANHYD)	*
YATES	
QUEEN	
GRAYBRO	
SAN ANDREZ	
CAPITAN REEF	*
DELAWARE	
BELL CANYON	
CHERRY CANYON	
BRUSHY CANYON	
BONE SPRING	
LORETO	*
BLINNEBAY	
TUBB	
DRINKARD	
ABO	
WC	
PENN	
STRAWN	
ATOYA	
MORROW	
MISS	
DEVONIAN	

PLUG	TYPE	SACKS	DEPTH
EXAMPLES			
PLUG #1	OF	35 SX	1750'
PLUG #2	SHOE	50 SX	300'-400'
PLUG #3	SURF	10 SX	0-10'
PLUG #1	Paddock	35 SX	4343-2500
PLUG #2	Paddock	25SX	3850-2500
PLUG #3	Paddock	45 SX	5100-2500
PLUG #4	STUB	55 SX	2500-2300
PLUG #5	T-SALT	55 SX	1400-1200
PLUG #6	1 1/2 S	55 SX	400-300
PLUG #7	SURF	10 SX	10' - SURF
PLUG #8			
PLUG #9			
PLUG #10			
PLUG #			
PLUG #			

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I

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

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-06876	
5. Indicate Type of Lease	STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.		
7. Lease Name or Unit Agreement Name E. O. CARSON		
8. Well No. 22		
9. Pool name or Wildcat EUMONT YATES 7 RIVERS QUEEN		
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3460'		

SUNDY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL <input type="checkbox"/> WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	2. Name of Operator MOBIL EXPLORATION & PRODUCING U.S. INC., AS AGENT FOR MOBIL PRODUCING TEXAS & NEW MEXICO INC.	3. Address of Operator 12450 GREENSPONT DRIVE, HOUSTON, TX 77060	4. Well Location Unit Letter L : 1880 Feet From The SOUTH Line and 660 Feet From The WEST Line Section 28 Township 21S Range 37E NMPM LEA County
---	---	---	--

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data  
**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK   
TEMPORARILY ABANDON   
PULL OR ALTER CASING   
OTHER: \_\_\_\_\_

PLUG AND ABANDON   
CHANGE PLANS   
REMEDIAL WORK   
COMMENCE DRILLING OPNS.   
CASING TEST AND CEMENT JOB   
ALTERING CASING   
PLUG AND ABANDONMENT   
OTHER: \_\_\_\_\_

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11/22/95 MIRU. Held safety meeting.  
11/27/95 Perfd. East #1 csg string @ 6,490', sqzd perfs & plug string w/cmt from 6,490- 2,500'.  
11/28/95 Squeezed off perfs in West #2 csg string from 3,578-3,370' & plug csg w/cmt from 3,370 to surface.  
11/29/95 Perfd. East #1 at 402' & set 100' plug in 8-5/8" csg annulus & top-out with 10 sx plug in 8-5/8" csg.  
11/30/95 On location - started drilling out cmt @ 1753' drilled to 2,223'. SWIFN.  
12/01/95 Welded 1/2" cap in csg stub, erected a P&A marker, listing well name, company name, date and location.  
12/02/95 RD & release plugging company - clean up location.

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

SIGNATURE Patricia B. Swanney TITLE Reg. Tech/Asst. DATE 12/11/95

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY E. Gonzalez TITLE Ed Key DATE 2-12-03  
CONDITIONS OF APPROVAL, IF ANY: SAD

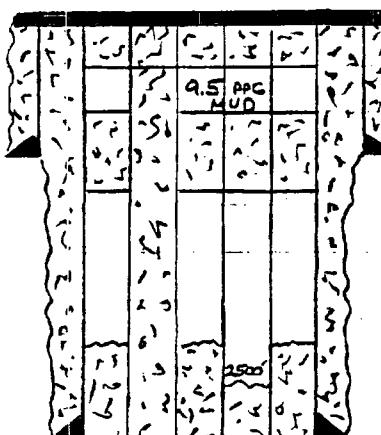
## CALCULATION AND DATA SHEET

FCO-225M (3-83)

UNIT E.O. CARSON #22  
 FOR \_\_\_\_\_  
 LOCATION SECT. 28, T21-S, R37-E  
 SUBJECT LEA COUNTY, NM  
PROPOSED COMPLETION

FILE NO. \_\_\_\_\_  
 JOB OR AUTH. NO. \_\_\_\_\_  
 PAGE \_\_\_\_\_  
 DATE 10/12/95  
 BY RON KNIPPA

1                   WEST    EAST  
 2                   #2      #1

1/2" PLATE

13 3/8", 61-72#, J-55; N-80 CSG  
 • 352' CMT w/ 350 sxs. CIRC  
 TO SURF. HOLE SIZE 17 1/2".

TOC - 2105' (TOMP SURVEY)

8 5/8", 24", J-55 CSG @ 2902'  
 CMT w/ 1100 sxs. CIRC TO SURF.  
 HOLE SIZE 11".

(EAST #1)

(WEST #2)

EUMONT (3370'-3578')

PETO - 5060'

CIBP @ 5100' CAPPED w/ 40' CMT

602'0 (5154'-56', 5175'-80, 5249'-2')

PADDOCK (5175'-80') REPAIR'D

CIBP @ 5474'

PERF @ 6590' w/ 250F

CIBP @ 6985' CAPPED w/ HYDROMITE

ABO (7059'-7224')

2 1/2", 6.5", J-55 @ 7433' (#1)

• 7432' (#2)

TO - 7440'

CMT'0 w/ 968 sxs. TOC - 2105'  
 HOLE SIZE 7 1/8"

Submit 3 Copies  
to Appropriate  
District Office

2

State of New Mexico  
Energy, Minerals and Natural Resources Department:  
**OIL CONSERVATION DIVISION**

Form C-103  
Revised 1-1-89

DISTRICT I

P.O. Box 1880, Hobbs, NM 88240

DISTRICT II

P.O. Drawer Dd, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, Nm 87410

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

API NO. (assigned by OCD on New Wells) <b>30-025-06895</b>	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No. <b>N/A</b>	
7. Lessee Name or Unit Agreement Name <b>CENTRAL DRINKARD UNIT</b>	
8. Well No. <b>108</b>	
9. Pool name or Wildcat <b>DRINKARD</b>	
10. Elevation Show whether DF, RKB, RT, GR, etc.) <b>3470' GR</b>	
11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data <b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER: _____ <b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPS. <input type="checkbox"/> CASING TEST AND CMT JOB <input type="checkbox"/> OTHER: _____	
12. Describe Proposed or Completed Operations(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.	

WORK PERFORMED 1-12 THRU 1-17-94

PLUG #1, SET CIBP @ 6460', W/25 SX CMT ON TOP. (COVERS 5" SHOE)

PLUG #2, 35 SX CMT F/5289-4853' (COVERS GLORIETTA)

PLUG #3, PERF @ 3600,UNABLE TO PMP INTO PERFS. SPOT 25 SX CMT PLUG  
F/3804-3492(OK'D BY CHARLIE PERRIN W/OCD) PLUG #4, 60 SX PLUG 1299-552.

SET 10 SX SURFACE PLUG F/120-SURFACE

PLACE 9.5 PPG MUD BETWEEN ALL PLUGS.

PULL DEAD MAN ANCHORS, FILL PITS, LEVEL LOCATION, PLACE P&A MARKER  
CHANGE STATUS OF WELL TO PLUGGED AND ABANDONED.

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

SIGNATURE

Nita Rice

TITLE

TECHNICAL ASSISTANT

DATE:

2/10/94

TYPE OR PRINT NAME

NITA RICE

TELEPHONE NO. (915)687-7436

APPROVED BY

Charlie Perrin

TITLE

ENR. O&G. SUPERVISOR

DATE

APR 08 1994

CONDITIONS OF APPROVAL, IF ANY:

LEASE CDU Well No. 108 Pool DRINKARD  
Location: 1980 FNL, 660 FEL 529-T25E3T County LFA State N.M.

GLE: 3470

KDB: 3476

H = 6

Initial Comp. Date: 3/27/76

Producing Formation: \_\_\_\_\_

13 "OD 30 # Grade SPANG Zone Comp. Date Date Abnd  
Set @ 290 w/200 sx \_\_\_\_\_  
Top of Cnt @ SURF by: CIRC. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8 1/2 "OD 28 # Grade SPANG  
Set @ 1262 w/300 sx  
Top of Cnt @ SURF by: CALC.

TOC

7 "OD 24 # Grade SPANG  
Set @ 3620 w/250 sx  
Top of Cnt @ 1650 by: CALC.

ROD DETAIL

2 x 1 1/2 x 22 PUMP  
171 - 3/4" x 25' EL RODS  
90 - 7/8" x 28' EL RODS  
1 - 3/8" x 2' PONY ROD  
1 - 7/8" x 6' PONY ROD  
1 - 1 1/4" x 22' POLISHED ROD

Treatment History: (Current Zone)

(3-4-62) FRAC DRINKARD  
W/ 2000 GALL LITNE ACID  
AS SPACEDAD 20,000 GALL ETC.  
OIL. 35,000" SAND IN  
9 STAGES AIR= 12,2 BPM  
MAX FATES - 2600" MIN - 1,000"  
ISIP = 2900"  
(9-2-71) ACIDIZE W/ 1000  
- GAL 15# NFA  
(1-14-72) ACIDIZE W/ 1000  
- GAL 15# NFA  
8-9-73 - SCALE TREAT  
5-17-74 - SCALE TREAT  
6/19/73 - SQUEEZE ANNULAR FLOW  
3621-3625 W/ 1000# CNT  
7", 8 1/2", & 13" COG.

Producing History:

Formation: \_\_\_\_\_

Month or Year Oil Water Gas  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Last Test Dated: 1/18/83  
9 BOPD 176 BWD TSTM MCPI  
FL: \_\_\_\_\_ Calc. Ppg. Eff: \_\_\_\_\_  
Cu. Oil \_\_\_\_\_ Cum. Gas \_\_\_\_\_

5 "OD 15 # Grade I-55 Remarks:  
Set @ 6516 w/200 sx WEL ORIGINALY TRD @ 3800'  
Top of Cnt @ 3735 by: CALC.  
After 4/93 Squeeze TOC 3410 by TS  
COMPLETED IN DRINKARD

(FORMERLY SUNRAY HARRY #1)

LVT 11/92

TO-6652