

PTG-W

DATE IN <u>10.27.10</u>	SUSPENSE	ENGINEER <u>TW.</u>	LOGGED IN <u>10.27.10</u>	TYPE <u>WFX</u>	APP NO. <u>1030150710</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



ConocoPhillips  
 WFX-877

11 Wells

**ADMINISTRATIVE APPLICATION CHECKLIST**

EUGSAU

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]

Lea

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

- [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD

R-10017 1350 PSI ✓

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM

4300'-4400'

- [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,
- [F]  Waivers are Attached

WFX 653

[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.

JAMM FISKE  
 Print or Type Name

*Jalyn V. Fiske*  
 Signature

REG. SPECIALIST  
 Title

9/24/10  
 Date

432-688-6813

JAMM.FISKE@CONOCOPHILLIPS.COM  
 e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

I. PURPOSE:  Secondary Recovery  Pressure Maintenance  Disposal  Storage  
Application qualifies for administrative approval?  Yes  No

RECEIVED OGD

II. OPERATOR: CONOCOPHILLIPS COMPANY  
ADDRESS: 3300 N. "A" ST, BLDG. 6, MIDLAND, TX 79705  
CONTACT PARTY: JALYN FISKE, REG. SPECIALIST PHONE: 432.688.6813

2009 OCT 28 P 1:15

III. WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection.  
Additional sheets may be attached if necessary. EXHIBIT #1

IV. Is this an expansion of an existing project?  Yes  No  
If yes, give the Division order number authorizing the project R-10017<sup>2</sup>

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. EXHIBIT #2

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. EXHIBIT #3 & #4

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.).

\*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological 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.

IX. Describe the proposed stimulation program, if any.  
\*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 source of drinking water.  
XIII. Applicants must complete the 'Proof of Notice' section on the reverse side of this form.

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: JALYN FISKE TITLE: REG. SPECIALIST  
SIGNATURE: Jalyn N. Fiske DATE: 9/24/2010  
E-MAIL ADDRESS: JALYN.FISKE@CONOCOPHILLIPS.COM

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

Section VII:

- 1) Proposed average rates: Water 5000 BWPD, CO2 10 MMSCFD  
Proposed maximum rates: Water 7500 BWPD, CO2 15 MMSCFD
- 2) The system is closed.
- 3) Proposed maximum injection pressure: Water 1350 psia, CO2 1800 psia
- 4) Water injection will be produced water.
- 5) NA.

Section IX:

The well will be acid stimulated with 5000 gallons of 15% HCL.

# Affidavit of Publication

State of New Mexico,  
County of Lea.

*interval MAX/min  
Min / MAX  
4113 / 4773  
1350 H<sub>2</sub>O  
1800 CO<sub>2</sub>*

I, JUDY HANNA  
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 newspaper, and not a  
supplement thereof for a period

of 1 issue(s).

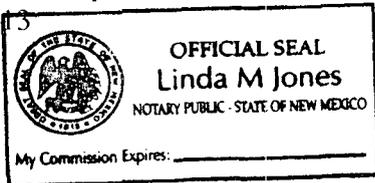
Beginning with the issue dated  
July 22, 2010  
and ending with the issue dated  
July 22, 2010

*Judy Hanna*  
PUBLISHER

Sworn and subscribed to before me  
this 22nd day of  
July, 2010

*Linda M. Jones*  
Notary Public

My commission expires  
June 16, 2013  
(Seal)



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 NOTICE JULY 22, 2010

ConocoPhillips Company, P.O. Box 51810, Midland, TX 79710-1810, Contact: Jalyn N. Fiske (432) 688-6813, is seeking administrative approval from the New Mexico Oil Conservation Division to inject produced water into 11 wells in the East Vacuum Grayburg-San Andres Unit, in the Vacuum Grayburg-San Andres pool. All the wells are located in Lea County, NM, and will be injecting into the interval of 4300' - 4900':

EVGSAU 2721-003	Sec 27, T17S, R35E, 600' FSL & 1415' FWL
EVGSAU 3229-009	Sec 32, T17S, R35E, 200' FSL & 2500' FWL
EVGSAU 2622-031	Sec 26, T17S, R35E, 1980' FNL & 1980' FWL
EVGSAU 2631-022	Sec 26, T17S, R35E, 1980' FSL & 660' FWL
EVGSAU 2642-042	Sec 26, T17S, R35E, 1980' FNL & 660' FEL
EVGSAU 3315-004	Sec 33, T17S, R35E, 990' FSL & 990' FEL
EVGSAU 3333-001	Sec 33, T17S, R35E, 1980' FNL & 660' FEL
EVGSAU 3467-018	Sec 34, T17S, R35E, 660' FNL & 1980' FEL
EVGSAU 3315-002	Sec 33, T17S, R35E, 1980' FSL & 1980' FEL
EVGSAU 3345-035	Sec 33, T17S, R35E, 660' FSL & 1980' FWL
EVGSAU 3374-001	Sec 33, T17S, R35E, 1980' FSL & 660' FWL

The maximum injection rate will be 7500 barrels of water per day and the maximum injection pressure will be 1350 psi for the above mentioned wells. Interested parties must file objections or request for hearing with the New Mexico Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, NM 87504 within 15 days of this notice  
#25986

49101647                      00056067  
JALYN FISKE  
CONOCOPHILLIPS COMPANY (MIDLAND)  
3300 NORTH A STREET  
BLDG. 6  
MIDLAND, TX 79705

## Warnell, Terry G, EMNRD

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**To:** Fiske, Jalyn N  
**Subject:** RE: WFX-877

Sorry, sounds like my mistake  
Let me look at it, if I need anything I'll let you know  
Otherwise I'll email you when WFX-877-A is posted

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**From:** Fiske, Jalyn N [<mailto:Jalyn.Fiske@conocophillips.com>]  
**Sent:** Monday, April 04, 2011 10:19 AM  
**To:** Warnell, Terry G, EMNRD  
**Subject:** WFX-877

Terry, we received an injection permit for EVGSAU wells - WFX 877 - in January 2011, however, the document only provides for water injection. We also wanted to inject CO<sub>2</sub>, and requested a pressure of 1800 psi and 15 mmscfd in the application. This is in line with the hearing order R-6856, authorizing CO<sub>2</sub> pressure up to 3150psi, and hearing order R-6856-A, retroactively authorizing existing water injection wells to also inject CO<sub>2</sub>.

We would like to obtain an amended permit to allow for CO<sub>2</sub> injection for those wells included in WFX-877. Is there any other information you need from us? Thank you.

Jalyn N. Fiske  
Regulatory Specialist  
ConocoPhillips Company  
432.688.6813  
[jalyn.fiske@conocophillips.com](mailto:jalyn.fiske@conocophillips.com)