

**STATE OF NEW MEXICO  
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION  
FOR THE PURPOSES OF CONSIDERING:**

**CASE NO. 13875**

**APPLICATION OF RANGE OPERATING NEW MEXICO, INC  
TO AMEND DIVISION ORDER R-12601  
EDDY COUNTY, NEW MEXICO.**

*Before the Oil Conservation Division  
Case 13875  
Exhibit No. 1  
Submitted by Range Operating  
Hearing March 1, 2007*

**AFFIDAVIT OF ROBERT EBEIER AND WILLIAM FREY**

STATE OF TEXAS                   §  
  § ss.  
COUNTY OF TARRANT         §

Before me, the undersigned authority, personally appeared Robert Ebeier and Andrew Tullis, who being fully sworn stated:

A. Our names and qualifications as experts are as follows:

Robert Ebeier

Education: BBA/Petroleum Land Management  
Experience: Senior Landman for Range Operating New Mexico, Inc.

William Frey

Education: BS in Petroleum Engineering  
Experience: Practicing petroleum engineer for 25 years. Registered Professional Engineer in Texas and California.

B. We are over the age of majority and competent to make this Affidavit.

We are each responsible for and involved in preparing the necessary documents for submittal to the New Mexico Oil Conservation Division for this case.

We are each personally knowledgeable and familiar with the facts and circumstances of this case and the following factual statements.

C. Our expert opinion are based on the following facts and events:

#### CHRONOLOGICAL SUMMARY OF SIGNIFICANT EVENTS

Range Operating New Mexico, Inc. ("Range") applies to the New Mexico Oil Conservation Division ("Division") for an amendment to Division Order R-12601 so that three of the six previously approved unorthodox injection wells location can be relocated all within Township 23 South, Range 28 East, as follows:

(1) SCB 23-18 Well:

**Old Surface:** 1815 feet FNL and 1200 feet FWL of Section 23 (Unit D)  
**Old Bottom hole:** 1000 feet FNL and 1300 feet FWL of Section 23 (Unit E)

**New Surface:** 1883 feet FNL and 1052 feet FWL of Section 23 (Unit D)  
**New Bottom hole:** 1000 feet FNL and 1300 feet FWL of Section 23 (Unit E)

(2) SCB 23-20 Well:

**Old Surface & Bottom hole:** 2520 feet FSL and 2460 feet FEL of Section 23 (Unit J)  
**New Surface & Bottom hole:** 2460 feet FSL and 2460 feet FEL of Section 23 (Unit J)

(3) SCB 23-21 Well:

**Old Surface & Bottom hole:** 2531 FSL and 1252 FEL of Section 23 (Unit I)  
**New Surface & Bottom hole:** 2460 FSL and 1160 FEL of Section 23 (Unit I)

for the East Loving-Delaware Leasehold Pilot Waterflood Project and in support states:

(1) Range is the operator of the East Loving-Delaware Pilot Waterflood Project that consists of 480-acre of fee lands, consisting of 6 different oil and gas leases, described as follows:

Township 23 South, Range 28 East, NMPM  
Section 23:

Tract 1: W/2NW/4; SE/4NW/4 and SW/4NE/4 (160-acres)  
Tract 2: NE/4NW/4 and NW/4NE/4 (80-acres)  
Tract 3: E/2NE/4 (80) acres)

Tract 4: N/2SW/4 (80-acres)  
Tract 5: N/2SE/4 (80-acres)

See Locator Map attached as Exhibit "A"

(2) The Project is within the boundaries of the East Loving-Brushy Canyon Pool (formerly East Loving-Delaware Pool).

(3) The Division has approved this waterflood project for the injection of produced water from the Brushy Canyon formation of the Delaware Group in and around the pilot area, and in addition water as needed from a Cherry Canyon formation source well into the Brushy Canyon portions of the East Loving-Brushy Canyon Pool pursuant to a plan of operations.

(4) In order to proceed with this approved project, Range proposes that three of the six injection wells be moved such that the surface and bottom hole locations will be within Tract 1 and Tract 5 of Section 23. See wellbore list for all injection wells attached as Exhibit "B"

(5) The SCB-23-18 is being moved at the request of the landowner. The SCB 23-20 and SCB 23-21 are being moved to avoid a BP pipeline and El Paso pipeline, respectively.

(6) By doing so, Range can then drill these injection wells in accordance with the implied easements available pursuant to the oil and gas lease for Tract 1 and Tract 5 that is held by Range as the oil and gas lessee or in accordance with the terms and conditions of the Injection Agreements executed by the necessary parties.

(7) The amended locations do not adversely affect the planned pattern for the relationship between the injectors and the producing wellbores.

(8) Approval of the proposed changes in the injection well locations should still provide an opportunity to recover additional oil and gas reserves from the project that may otherwise not be recovered, thereby preventing waste and protecting correlative rights.

(9) Moving the location will not add or subtract any wellbores from the "area of review" previously examined and approved by the Division.

(10) A copy of this application including notice of hearing will be sent to all mineral interest owners, including royalty and overriding royalty owners, within Section 23, T23S, R28E, NMPM as set forth on Exhibit "C" attached.

FURTHER AFFIANT SAYETH NOT:



Robert Ebeier

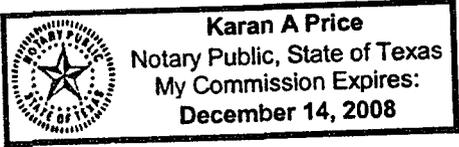
William F. Frey  
William Frey

**ACKNOWLEDGMENT**

STATE OF TEXAS                    )  
  )SS:  
COUNTY OF TARRANT            )

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this \_\_\_ day of February, 2007 personally appeared Robert Ebeier and William, persons who subscribed the name of the maker thereof to the foregoing instrument and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

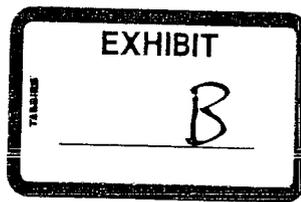
Given under my hand and seal the day and year last above written.



Karan A. Price  
Notary Public

My Commission expires:  
\_\_\_\_\_





## Order R-12601

### *Revised surface and bottom hole locations:*

**SCB 23-15 Well**      **Old Surface & Bottom hole:** 1430 feet FNL and 1150 feet FEL of Section 23 (Unit H)

**No Change**

**SCB 23-17 Well**      **Old Surface & Bottom hole:** 2440 feet FSL and 1500 feet FWL of Section 23 (Unit K) SL & BHL

**No Change**

**SCB 23-18 Well**      **Old Surface:** 1815 feet FNL and 1200 feet FWL of Section 23 (Unit D)  
**Old Bottom hole:** 1000 feet FNL and 1300 feet FWL of Section 23 (Unit E)

**New Surface:** 1883 feet FNL and 1052 feet FWL of Section 23 (Unit D)

**New Bottom hole:** 1000 feet FNL and 1300 feet FWL of Section 23 (Unit E)

**SCB 23-19 Well**      **Old Surface:** 1950 feet FNL and 2470 feet FWL of Section 23 (Unit F)  
**Old Bottom hole:** 1300 feet FNL and 2620 feet FEL of Section 23 (Unit F)

**No Change**

**SCB 23-20 Well**      **Old Surface & Bottom hole:** 2520 feet FSL and 2460 feet FEL of Section 23 (Unit J)  
**New Surface & Bottom hole:** 2460 feet FSL and 2460 feet FEL of Section 23 (Unit J)

**SCB 23-21 Well**      **Old Surface & Bottom hole:** 2531 FSL and 1252 FEL of Section 23 (Unit I)  
**New Surface & Bottom hole:** 2460 FSL and 1160 FEL of Section 23 (Unit I)

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John E Clem  
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Willcox, AZ 85643-3212

Geraldine Clem Bolen  
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Emil Berger  
1302 North Sweetzer Avenue #60  
West Hollywood, CA 90069

Solomon N Grover As Trustee Of  
Solomon N Grover Trust Agreement  
Dated 10/10/2000  
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Woodland Hills, CA 91367

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& Gloria G Margulies Trust Agr  
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Mark V Pace, Pers Rep  
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Tempe, AZ 85281

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William M Baker & Francine L Baker Family  
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Claremont, CA 91711

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Pacific Palisad, CA 90272

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Urquidez Family Living Trust  
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Avondale, AZ 85323

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Loving, NM 88256

Antonio & Gloria Onsurez  
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Margaret L Fate & Linville Williams,  
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Earl B Guitar, Jr  
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Pressley Hudson Guitar  
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Whitten Guitar Witherspoon  
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Brett Guitar Witherspoon  
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