

DATE IN <u>4.30.12</u>	SUSPENSE	ENGINEER <u>TW</u>	LOGGED IN <u>4.30.12</u>	TYPE <u>IPI</u>	APP NO. <u>1212150740</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



*4/14*  
*Seely 20497*

*EKPSU #122,*  
*401,802,901*

### 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 \_\_\_\_\_

*30-025-02345*  
*" " - 77759*  
*" " - 24939*  
*" " - 34880*

*R-11929*

- [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

*Need perf/IPI depths for #401*  
*4700 4710*

- [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 \_\_\_\_\_ Signature \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_  
e-mail Address

**Warnell, Terry G, EMNRD**

---

**From:** Melissa Appleby [mappleby@seelyoil.com]  
**Sent:** Wednesday, March 21, 2012 12:55 PM  
**To:** Warnell, Terry G, EMNRD  
**Subject:** RE: IPI Application for EK Penrose Sand Unit Well #122, #401, #701, #802 & #901

Terry,

Where can I get a WFX form? I've been all over the OCD website and can't find a form. Or is there a form?

Melissa

---

**From:** Warnell, Terry G, EMNRD [mailto:TerryG.Warnell@state.nm.us]  
**Sent:** Tuesday, March 20, 2012 5:04 PM  
**To:** Melissa Appleby  
**Subject:** RE: IPI Application for EK Penrose Sand Unit Well #122, #401, #701, #802 & #901

*This well need  
to be added  
via WFX*

Okay, do you have a WFX number for the 122, 401, 802 & 901? — due IPI ✓

IF so I'm going to need a signed IPI administrative application checklist

<http://www.emnrd.state.nm.us/OCD/documents/AdminApplicationChecklist20090826.DOC>

And well sketch diagrams with perf depth and packer locations for these four wells

*still waiting*

---

**From:** Melissa Appleby [mailto:mappleby@seelyoil.com]  
**Sent:** Tuesday, March 20, 2012 3:53 PM  
**To:** Warnell, Terry G, EMNRD  
**Subject:** RE: IPI Application for EK Penrose Sand Unit Well #122, #401, #701, #802 & #901

Hi Terry,

I apologize, but I should have included the API numbers with the information. The #122 well is API #30-025-02345, which used to be the EK Queen Unit #22 well. The #401 well is API # 30-025-27759, which used to be the Howe TG Federal #1 well. The #802 well is API # 30-025-24939, which used to be the Scharbauer #2 well. The #901 is API # 30-025-34880, which used to be the Citation #1 well. We will have to file a WFX for the #701.

I hope this information helps in regard to identifying the wells.

*Melissa Appleby*

Seely Oil Company  
815 W. 10<sup>th</sup> St.  
Ft. Worth, TX 76102  
817-332-1377 phone  
817-332-1426 fax

*SRT's done Oct 2011*

---

**From:** Warnell, Terry G, EMNRD [mailto:TerryG.Warnell@state.nm.us]  
**Sent:** Tuesday, March 20, 2012 4:45 PM  
**To:** Melissa Appleby

**Cc:** [dhenson@seelyoil.com](mailto:dhenson@seelyoil.com); Ezeanyim, Richard, EMNRD

**Subject:** IPI Application for EK Penrose Sand Unit Well #122, #401, #701, #802 & #901

Hi Melissa,

I just received a IPI application from David Henderson.

The Water Flood Project was created with Hearing Order R-11929

Unfortunately that order did not include the 5 wells in your IPI Application

You will have to apply for a WFX for wells 122, 401, 701, 802 and 901

Normally a WFX is set at a .2 pressure gradient however in this case we will take into consideration you step rate test data

Please be aware that a standard paragraph in a WFX is:

*The wells shall pass an initial mechanical integrity test ("MIT") prior to initially commencing injection and prior to resuming injection each time the disposal packer is unseated. All MIT testing procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC.*

Terry Warnell

Engineering, Oil Conservation Division

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

Tel 505.476.3466 ~ Fax 505.476.3462

200613  
SD 200506  
SD 2-3559  
WFX 518  
WFX 530

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
HOBBS OCD  
FEB 23 2012

OCD Hobbs

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or recomplete an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
NMNM111801X  
6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other All EKPSU Wells

2. Name of Operator  
Seely Oil Company

3a. Address  
815 W 10th St  
Ft. Worth, TX 76102

3b. Phone No. (include area code)  
817-332-1377

7. If Unit of CA/Agreement, Name and/or No.  
EK Penrose Sand Unit

8. Well Name and No.  
see below

9. API Well No.  
see below

10. Field and Pool or Exploratory Area  
EK-Yates-SR-Queen

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

11. Country or Parish, State  
Lea County, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other Approval for
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	water disposal
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Seely Oil Company requests water disposal approval on the following wells. A copy of the OCD approved waterflood project Order of Division is also attached. Seely respectfully requests that the BLM make the approval retroactive to the January 9, 2003 date on the Order of Division.

EKPSU #101 - 30-025-39098  
EKPSU #122 - 30-025-02345  
EKPSU #127 - 30-025-01636  
EKPSU #201 - 30-025-01646  
EKPSU #202 - 30-025-02373  
EKPSU #203 - 30-025-02374  
EKPSU #205 - 30-025-02375  
EKPSU #206 - 30-025-31049  
EKPSU #210 - 30-025-35753  
EKPSU #401 - 30-025-27759  
EKPSU #402 - 30-025-29038  
EKPSU #501 - 30-025-27434

EKPSU #701 - 30-025-37572  
EKPSU #802 - 30-025-24939  
EKPSU #901 - 30-025-34880

Total water produced by POWs was 1898 bbls and by injection wells was 33979 bbls for the month of July 2011.  
Total water produced by POWs was 1627 bbls and by injection wells was 32851 bbls for the month of Aug 2011.

No Permit on File for well #701  
Reject by BLM  
EPB Terminal  
2/22/2012

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)

David L. Henderson

Title Executive Vice President

Signature

Date 10/21/2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

FEB 29 2012

**Exhibit "A"**  
**Division Order No. R-11929**  
**EK Penrose Sand Unit Waterflood Project**  
**Approved Injection Wells**

Well Name & Number	API Number	Well Location	Injection Interval	Packer Depth
EK Queen Unit No. 27	30-025-01636	990' FSL & 1980' FEL, Unit O, Section 24, T-18S, R-33E	4,628'-4,634'	4,575'
McElvain Federal No. 1	30-025-01646	660' FNL & 1980' FEL, Unit B, Section 25, T-18S, R-33E	4,637'-4,657'	4,575'
#122 EK Queen Unit No. 22	30-025-02345	1980' FSL & 1897' FWL, Unit K, Section 19, T-18S, R-34E	4,678'-4,686'	4,600'
EK Queen Unit No. 21	30-025-02344	1980' FSL & 660' FWL, Lot 3, Section 19, T-18S, R-34E	4,698'-4,710'	4625'
#9d Citation No. 1	30-025-34880	1650' FSL & 330' FWL, Unit L, Section 20, T-18S, R-34E	4,814'-4,822'	4,675'
#802 Scharbauer No. 2	30-025-24939	330' FSL & 1650' FWL, Unit N, Section 20, T-18S, R-34E	4,746'-4,764'	4675'
#701 Howe "TG" Federal No. 1	30-025-27759	1980' FSL & 1830' FWL, Unit K, Section 30, T-18S, R-34E	To Be Determined	4,675'
McElvain Federal No. 13	N/A	2275' FSL & 330' FEL, Unit I, Section 30, T-18S, R-34E	To Be Determined	TBD
McElvain Federal No. 10	30-025-35753	1650' FNL & 1980' FWL, Unit F, Section 29, T-18S, R-34E	4,778'-4,885'	4,700'

*Need depths*

*missing #701 - will have to be done with WFX added*

Water Flood Project

done by order R-11929  
initial injection wells

SEELY OIL COMPANY

815 WEST TENTH STREET  
FORT WORTH, TEXAS 76102

March 15, 2012

RECEIVED OCD

2012 MAR 19 A 10:29

State of New Mexico  
Energy, Minerals & Natural Resources  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87504

06R10  
(20497)

Federal 17 No. 2  
11-8-56  
T. J. SINEY

Re: Request for Administrative Authority  
Seely Oil Company, Unit Operator  
EK Penrose Sand Unit Well # 122 30-025-02345  
EK Yates-Seven Rivers-Queen Field  
Lea County, New Mexico

Gentlemen:

Enclosed please find a Step Rate Injection Test that was run in October 3, 2011 on the EK Penrose Sand Unit Well No. 122. The current pressure limitations are not sufficient to effectively conduct a successful waterflood in this unit.

Based upon the results of the Step Rate Injection Test, Seely Oil Company requests administrative approval of the New Mexico Oil Conservation Division (NMOCD) to increase the surface injection pressure to 2300 psig maximum.

Your consideration and approval of this request at your earliest convenience is needed. Should you have any questions, contact us at 817-332-1377.

Very truly yours,

David L. Henderson

David L. Henderson  
Executive Vice President

Melissa Appleby  
mappleby@seelyoil.com

DLH/ma  
encl.

WFX's  
474  
683, 758, 807  
808, 812

#122\* 30-025-02345  
- 27759  
#401  
- 37572 need WFX  
- 24939  
#802  
#901 - 34880

\* Failed MIF 1-27-12

## Warnell, Terry G, EMNRD

**From:** Melissa Appleby [mappleby@seelyoil.com]  
**Sent:** Wednesday, March 21, 2012 8:02 AM  
**To:** Warnell, Terry G, EMNRD  
**Subject:** RE: IPI Application for EK Penrose Sand Unit Well #122, #401, #701, #802 & #901

Do we still need a WFX for these wells even though they were included in the Order R-11929?

---

**From:** Warnell, Terry G, EMNRD [mailto:TerryG.Warnell@state.nm.us]  
**Sent:** Tuesday, March 20, 2012 5:04 PM  
**To:** Melissa Appleby  
**Subject:** RE: IPI Application for EK Penrose Sand Unit Well #122, #401, #701, #802 & #901

Okay, do you have a WFX number for the 122, 401, 802 & 901?  
IF so I'm going to need a signed IPI administrative application checklist  
<http://www.emnrd.state.nm.us/OCD/documents/AdminApplicationChecklist20090826.DOC>  
And well sketch diagrams with perf depth and packer locations for these four wells

---

**From:** Melissa Appleby [mailto:mappleby@seelyoil.com]  
**Sent:** Tuesday, March 20, 2012 3:53 PM  
**To:** Warnell, Terry G, EMNRD  
**Subject:** RE: IPI Application for EK Penrose Sand Unit Well #122, #401, #701, #802 & #901

Hi Terry,

I apologize, but I should have included the API numbers with the information. The #122 well is API #30-025-02345, which used to be the EK Queen Unit #22 well. The #401 well is API # 30-025-27759, which used to be the Howe TG Federal #1 well. The #802 well is API # 30-025-24939, which used to be the Scharbauer #2 well. The #901 is API # 30-025-34880, which used to be the Citation #1 well. We will have to file a WFX for the #701.

I hope this information helps in regard to identifying the wells.

*Melissa Appleby*

Seely Oil Company  
815 W. 10<sup>th</sup> St.  
Ft. Worth, TX 76102  
817-332-1377 phone  
817-332-1426 fax

---

**From:** Warnell, Terry G, EMNRD [mailto:TerryG.Warnell@state.nm.us]  
**Sent:** Tuesday, March 20, 2012 4:45 PM  
**To:** Melissa Appleby  
**Cc:** [dhenerson@seelyoil.com](mailto:dhenerson@seelyoil.com); Ezeanyim, Richard, EMNRD  
**Subject:** IPI Application for EK Penrose Sand Unit Well #122, #401, #701, #802 & #901

Hi Melissa,

*Will Need  
well sketch's  
showing packers  
& perfs  
The Cardinal "Total Data  
Charts"  
for  
each  
of the 4 wells  
And a signed  
Administrative  
Application  
checklist*

I just received a IPI application from David Henderson.  
The Water Flood Project was created with Hearing Order R-11929  
Unfortunately that order did not include the 5 wells in your IPI Application

You will have to apply for a WFX for wells 122, 401, 701, 802 and 901  
Normally a WFX is set at a .2 pressure gradient however in this case we will take  
into consideration you step rate test data

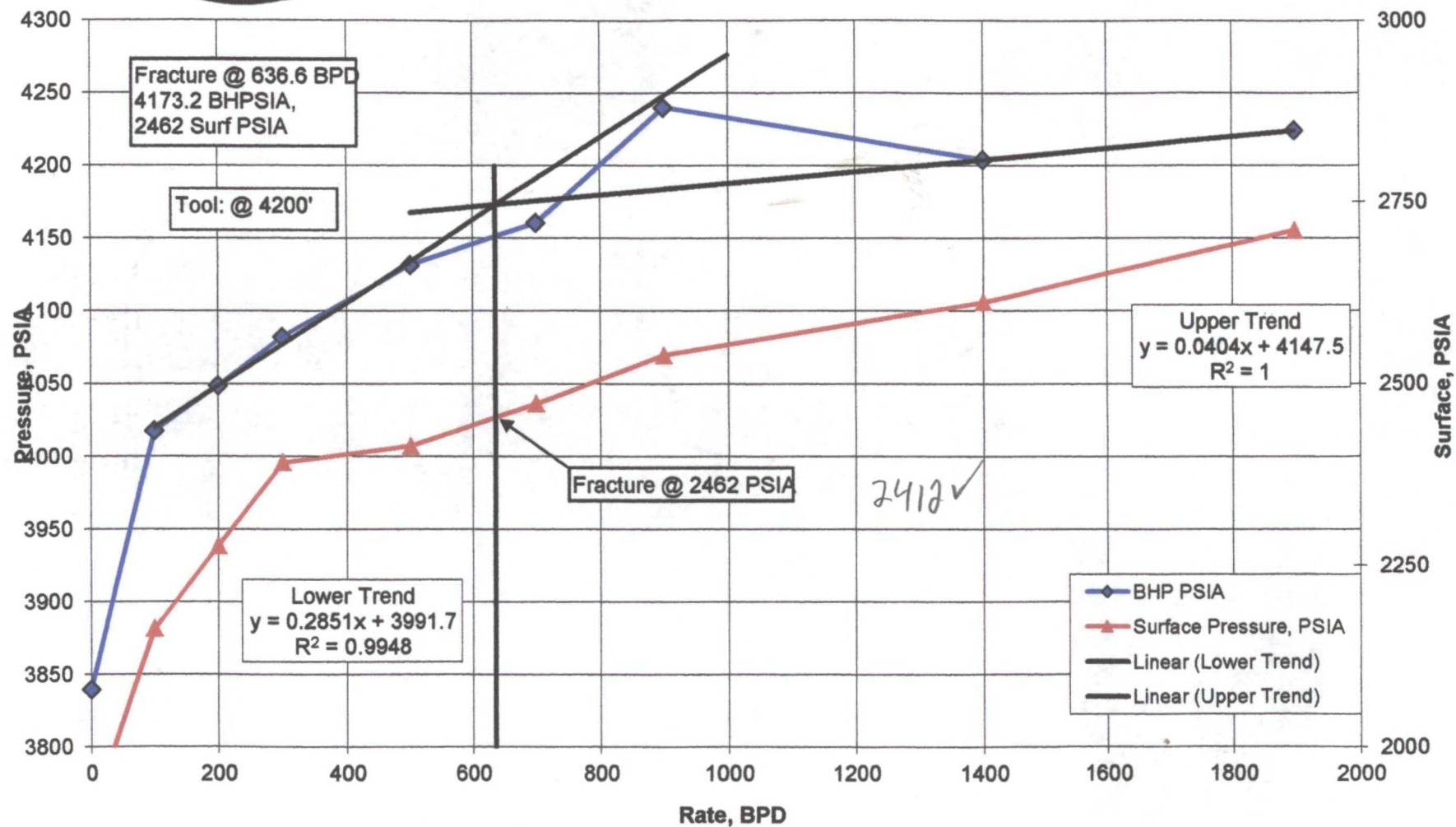
Please be aware that a standard paragraph in a WFX is:

*The wells shall pass an initial mechanical integrity test ("MIT")  
prior to initially commencing injection and prior to resuming injection  
each time the disposal packer is unseated. All MIT testing procedures  
and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC.*

Terry Warnell  
Engineering, Oil Conservation Division  
1220 South St. Francis Drive, Santa Fe, NM 87505  
Tel 505.476.3466 ~ Fax 505.476.3462



Seely Oil Company E. K. Penrose # 122  
Step Rate Test 10-03-2011



SEELY OIL COMPANY

815 WEST TENTH STREET  
FORT WORTH, TEXAS 76102

RECEIVED OCD

March 15, 2012

2012 MAR 19 A 10:32

State of New Mexico  
Energy, Minerals & Natural Resources  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87504

Re: Request for Administrative Authority  
Seely Oil Company, Unit Operator  
EK Penrose Sand Unit Well # 401 - 30-025-27759  
EK Yates-Seven Rivers-Queen Field  
Lea County, New Mexico

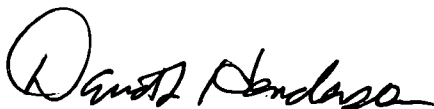
Gentlemen:

Enclosed please find a Step Rate Injection Test that was run in October 5, 2011 on the EK Penrose Sand Unit Well No. 401. The current pressure limitations are not sufficient to effectively conduct a successful waterflood in this unit.

Based upon the results of the Step Rate Injection Test, Seely Oil Company requests administrative approval of the New Mexico Oil Conservation Division (NMOCD) to increase the surface injection pressure to 2400 psig maximum.

Your consideration and approval of this request at your earliest convenience is needed. Should you have any questions, contact us at 817-332-1377.

Very truly yours,

2412  


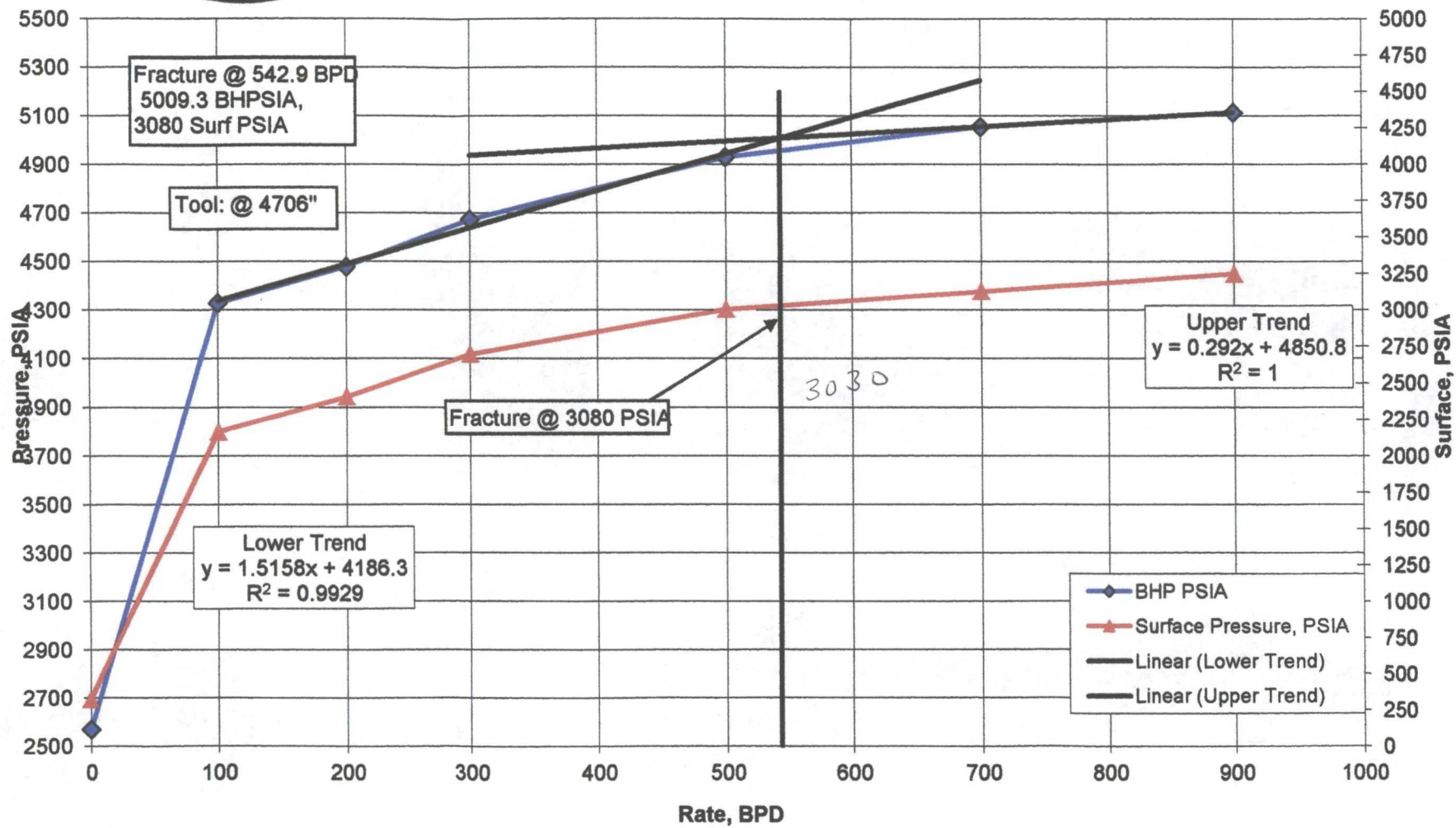
David L. Henderson  
Executive Vice President

DLH/ma

encl.



Seely Oil Company E. K. Penrose # 401  
Step Rate Test 10-05-2011



SEELY OIL COMPANY

815 WEST TENTH STREET  
FORT WORTH, TEXAS 76102

March 15, 2012

RECEIVED OCD

2012 MAR 19 A 10:29

State of New Mexico  
Energy, Minerals & Natural Resources  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87504

Re: Request for Administrative Authority  
Seely Oil Company, Unit Operator  
EK Penrose Sand Unit Well # 802 — 30-025-24939  
EK Yates-Seven Rivers-Queen Field  
Lea County, New Mexico

Gentlemen:

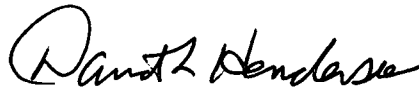
Enclosed please find a Step Rate Injection Test that was run in October 7, 2011 on the EK Penrose Sand Unit Well No. 802. The current pressure limitations are not sufficient to effectively conduct a successful waterflood in this unit.

Based upon the results of the Step Rate Injection Test, Seely Oil Company requests administrative approval of the New Mexico Oil Conservation Division (NMOCD) to increase the surface injection pressure to 2200 psig maximum.

Your consideration and approval of this request at your earliest convenience is needed. Should you have any questions, contact us at 817-332-1377.

Very truly yours,

2346

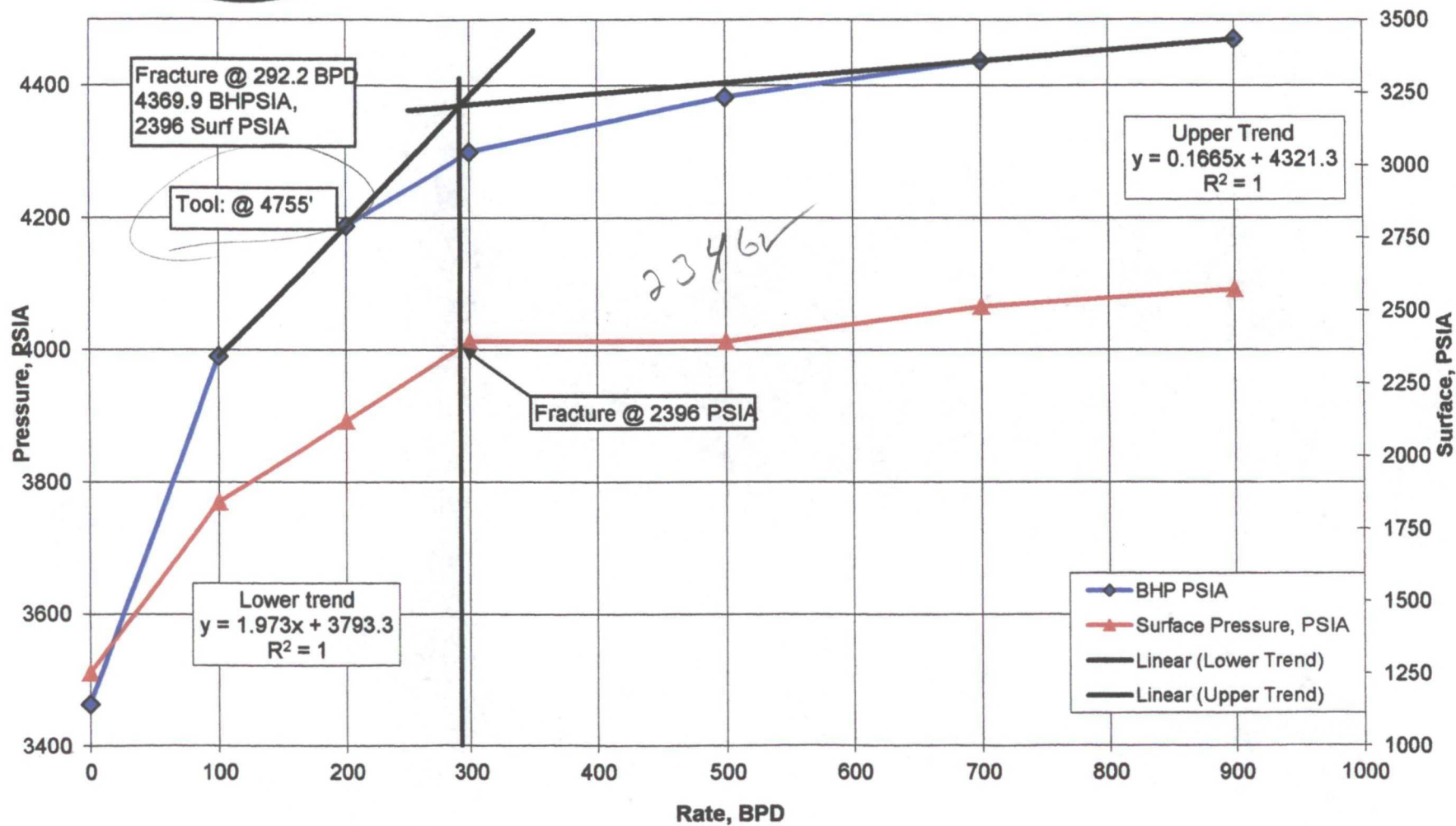


David L. Henderson  
Executive Vice President

DLH/ma  
encl.



Seely Oil Company E. K. Penrose # 802  
Step Rate Test 10-07-2011



-20497-

SEELY OIL COMPANY

815 WEST TENTH STREET  
FORT WORTH, TEXAS 76102

RECEIVED OCD

March 15, 2012

2012 MAR 19 A 10:38

State of New Mexico  
Energy, Minerals & Natural Resources  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87504

R-11929

Re: Request for Administrative Authority  
Seely Oil Company, Unit Operator  
EK Penrose Sand Unit Well # 901 30-025-34080  
EK Yates-Seven Rivers-Queen Field  
Lea County, New Mexico

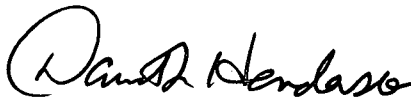
Gentlemen:

Enclosed please find a Step Rate Injection Test that was run in October 4, 2011 on the EK Penrose Sand Unit Well No. 901. The current pressure limitations are not sufficient to effectively conduct a successful waterflood in this unit.

Based upon the results of the Step Rate Injection Test, Seely Oil Company requests administrative approval of the New Mexico Oil Conservation Division (NMOCD) to increase the surface injection pressure to 2100 psig maximum.

Your consideration and approval of this request at your earliest convenience is needed. Should you have any questions, contact us at 817-332-1377.

2/15/12  
Very truly yours,



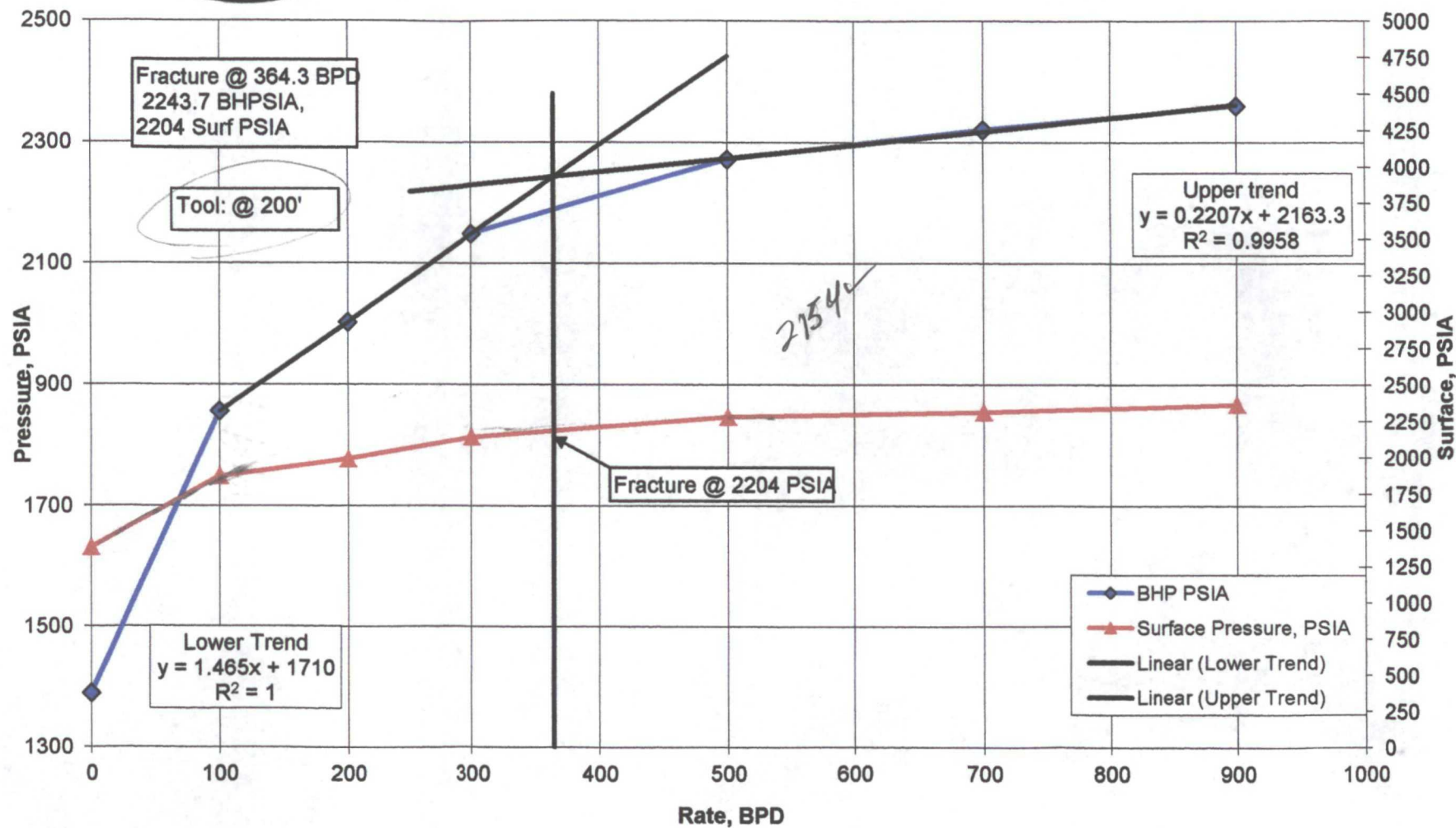
David L. Henderson  
Executive Vice President

DLH/ma

encl.



Seely Oil Company E. K. Penrose # 901  
Step Rate Test 10-04-2011



Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
June 19, 2008

**HOBBS OGD CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505  
MAR 07 2012

WELL API NO. 30-025-02345
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/> FEDERAL <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name EK Penrose Sand Unit
8. Well Number 122
9. OGRID Number 20497
10. Pool name or Wildcat EK-Yates-SR-Queen
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3955' DF

**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 Water Injection

2. Name of Operator

Seely Oil Company

3. Address of Operator

815 W. 10<sup>th</sup> St. Ft. Worth, TX 76102

4. Well Location

Unit Letter K: 1980 feet from the South line and 1887 feet from the West line

Section 19 - Township 18S - Range 34E NMPM Lea County, New Mexico

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3955' DF

12. 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 COMPL ☐

DOWNHOLE COMMINGLE ☐

**SUBSEQUENT REPORT OF:**

Per Underground Injection Control Program Manual  
11.6 C Packer shall be set within or less than 100  
feet of the uppermost injection perfs or open hole.

OTHER: ☐

13. 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 recompletion.

This well failed a recent MIT. Seely Oil Company respectfully requests permission to pull the tubing & make repairs. Prior to returning the well to water injection, an MIT will be performed.

**The Oil Conservation Division**  
**MUST BE NOTIFIED 24 Hours**  
**Prior to the beginning of operations**

**Condition of Approval: notify**  
**OCD Hobbs office 24 hours**  
**prior of running MIT Test & Chart**

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

SIGNATURE Melissa Appleby TITLE: Production Analyst

DATE 3/5/12

Type or print name: Melissa Appleby

E-mail address: mappleby@seelyoil.com

PHONE: 817-332-1377

**For State Use Only**

APPROVED BY [Signature] TITLE STAFF MGR

DATE 3-8-2012

Conditions of Approval (if any):

MAR 08 2012

SEELY OIL COMPANY

815 WEST TENTH STREET  
FORT WORTH, TEXAS 76102

RECEIVED OCD

March 15, 2012

2012 MAR 19 A 10:29

State of New Mexico  
Energy, Minerals & Natural Resources  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87504

Re: Request for Administrative Authority  
Seely Oil Company, Unit Operator  
EK Penrose Sand Unit Well # 701 300025-37572  
EK Yates-Seven Rivers-Queen Field  
Lea County, New Mexico

*Need WFX on this well*


Gentlemen:

Enclosed please find a Step Rate Injection Test that was run in October 6, 2011 on the EK Penrose Sand Unit Well No. 701. The current pressure limitations are not sufficient to effectively conduct a successful waterflood in this unit.

Based upon the results of the Step Rate Injection Test, Seely Oil Company requests administrative approval of the New Mexico Oil Conservation Division (NMOCD) to increase the surface injection pressure to 2000 psig maximum.

Your consideration and approval of this request at your earliest convenience is needed. Should you have any questions, contact us at 817-332-1377.

Very truly yours,

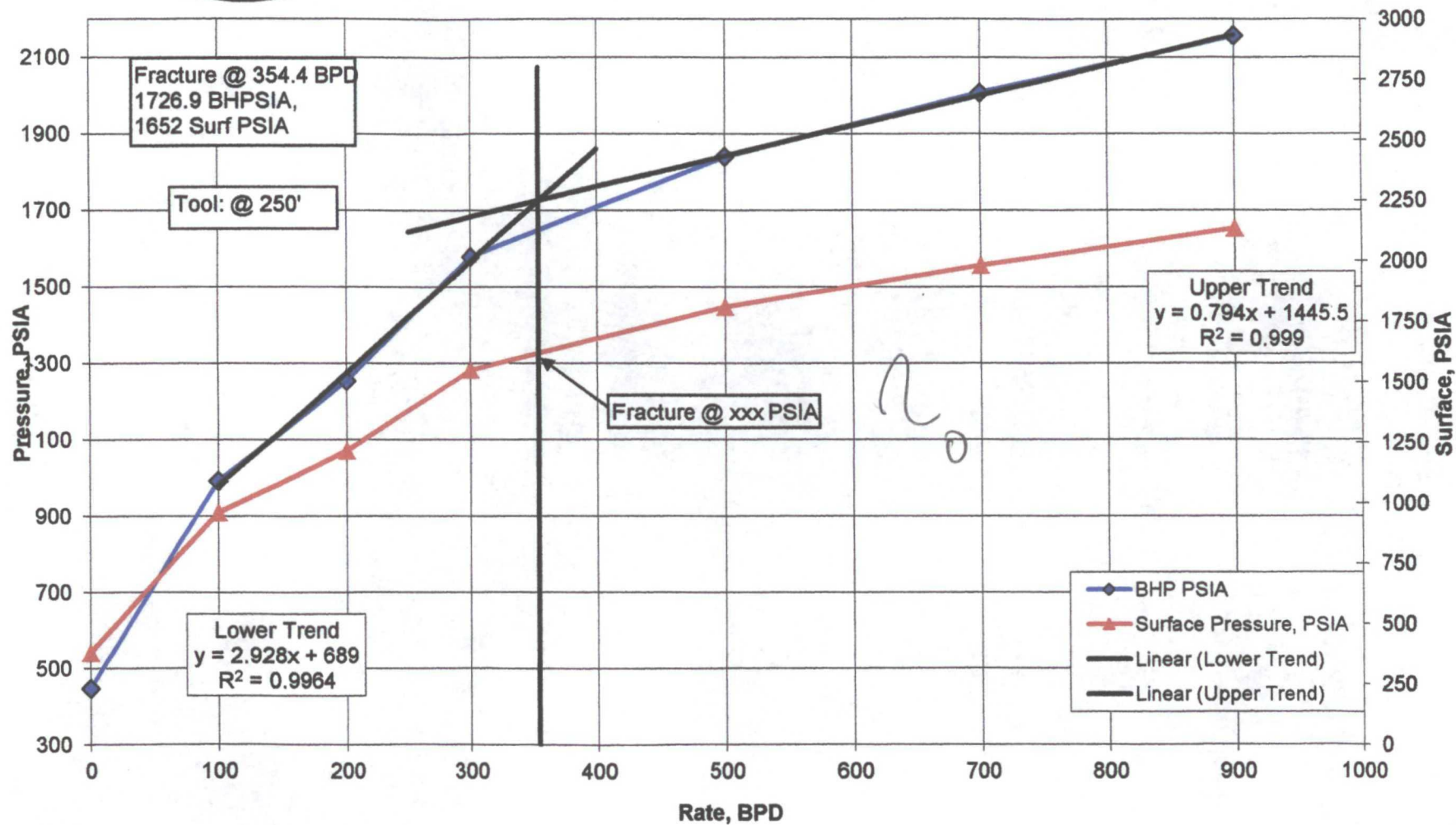


David L. Henderson  
Executive Vice President

DLH/ma  
encl.



Seely Oil Company E. K. Penrose # 701  
Step Rate Test 10-06-2011



**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 PURPOSE OF  
CONSIDERING:**

**CASE NO. 12964  
ORDER NO. R-11929**

**APPLICATION OF SEELY OIL COMPANY FOR APPROVAL OF A  
WATERFLOOD PROJECT AND QUALIFICATION OF THE PROJECT FOR  
THE RECOVERED OIL TAX RATE PURSUANT TO THE "ENHANCED OIL  
RECOVERY ACT," LEA COUNTY, NEW MEXICO.**

**ORDER OF THE DIVISION**

**BY THE DIVISION:**

This case came on for hearing at 8:15 a.m. on January 9, 2003, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 16th day of April, 2003, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner,

**FINDS THAT:**

- (1) Due public notice has been given, and the Division has jurisdiction of this case and its subject matter.
- (2) Division Cases No. 12964 and 12983 were consolidated at the hearing for the purpose of testimony.
- (3) The applicant, Seely Oil Company ("Seely"), seeks authority to institute a waterflood project within its proposed EK Penrose Sand Unit Area ("Project Area"), being the subject of companion Case No. 12983, by the injection of water into the Penrose Sand member of the Queen formation, EK Yates-Seven Rivers-Queen Pool, through nine initial injection wells, all as shown on Exhibit "A" attached to this order.
- (4) The EK Penrose Sand Unit Area comprises the following-described acreage in Lea County, New Mexico:

Township 18 South, Range 33 East, NMPM

Section 24: SE/4  
Section 25: NE/4

Township 18 South, Range 34 East, NMPM

Section 19: S/2  
Section 20: W/2 SW/4, SE/4 SW/4  
Section 29: NW/4, N/2 SW/4  
Section 30: N/2, N/2 SE/4, E/2 SW/4

(5) The proposed project area encompasses a portion of the EK Yates-Seven Rivers-Queen Pool.

(6) Within the project area, the applicant proposes to utilize nine injection wells in a peripheral waterflood pattern. The applicant further proposes to initially utilize nine producing wells within the project. Among the nine proposed producing wells, five wells are current active producers, two wells will be re-entered or recompleted, and two wells will be drilled.

(7) The wells within the project area are in an advanced state of depletion.

(8) The applicant presented geologic evidence that demonstrates that:

- (a) the Queen formation within the EK Yates-Seven Rivers-Queen Pool contains multiple pay intervals;
- (b) the upper pay intervals within the Queen formation are generally being produced and waterflooded within the adjacent EK Queen Unit Area;
- (c) the Penrose Sand member of the Queen formation is generally continuous throughout the project area; and,
- (d) the productive limits of the Penrose Sand member of the Queen formation generally coincide with the boundaries of the EK Penrose Sand Unit Area.

(9) Seely estimates that initial capital costs to implement waterflood operations are approximately \$1.8 million dollars. Total capital costs are estimated to be approximately \$3.4 million dollars.

(10) Seely estimates that implementing waterflood operations within the project area should result in the recovery of an additional 460,000 barrels of oil that would otherwise not be recovered, thereby preventing waste.

(11) Approval of the proposed waterflood project should result in the recovery of additional hydrocarbons from the Queen formation within the project area which may otherwise not be recovered, thereby preventing waste, and will not violate correlative rights.

(12) The following-described (3) wells within the "area of review" are not constructed adequately so as to preclude the movement of fluid from the proposed injection zone into other formations:

<u>Operator &amp; Well Name</u>	<u>API Number</u>	<u>Well Location</u>
Yates Petroleum Corporation Howe "TG" Federal No. 2	30-025-29038	810' FSL & 1830' FWL, Unit N, Section 30, T-18S, R-34E
C. W. Trainer McElvain Federal No. 3	30-025-28557	766' FSL & 731' FWL, Unit M, Section 30, T-18S, R-34E
Concho Oil & Gas Corp. Edith Federal No. 2	30-025-29120	2130' FNL & 1980' FEL Unit G, Section 25, T-18S, R-33E

(13) The aforesaid Edith Federal Well No. 2 is located within the "area of review" of Seely's McElvain Federal Well No. 1, a proposed injection well located in Unit B of Section 25, Township 18 South, Range 33 East, NMPM.

(14) The aforesaid Howe "TG" Federal Well No. 2 and the McElvain Federal Well No. 3 are located within the "area of review" of Seely's Howe "TG" Federal Well No. 1, a proposed injection well located in Unit K of Section 30, Township 18 South, Range 34 East, NMPM.

(15) Prior to commencing injection operations into the McElvain Federal Well No. 1, the applicant should be required to perform remedial cement operations on the Edith Federal Well No. 2 in order to effectively isolate the Penrose Sand member of the Queen formation within this well.

(16) Prior to commencing injection operations into the Howe "TG" Federal Well No. 1, the applicant should be required to perform remedial cement operations on the Howe "TG" Federal Well No. 2 and the McElvain Federal Well No. 3 in order to effectively isolate the Penrose Sand member of the Queen formation within these wells.

(17) Prior to commencing injection operations into each of the following-described injection wells, the applicant should be required to perform the remedial operations specified in this paragraph with respect to such well in a manner approved by the supervisor of the Hobbs District Office of the Division:

<u>EK Queen Unit No. 27:</u>	Perforations from a depth of 4,370'-4,397' shall be cement squeezed.
<u>EK Queen Unit No. 22:</u>	Perforations from a depth of 4,432'-4,444' shall be cement squeezed.
<u>EK Queen Unit No. 21:</u>	Perforations from a depth of 4,390'-4,445' shall be cement squeezed. A 4 ½ inch liner shall be set from 4,350'-4,700' and cement circulated on this liner.
<u>Citation No. 1:</u>	Perforations from a depth of 4,573'-4,590' shall be cement squeezed.
<u>Scharbauer No. 2:</u>	Perforations from a depth of 4,474'-4,482' shall be cement squeezed.
<u>Howe "TG" Federal No. 1:</u>	Perforations from a depth of 9,519'-9,541' shall be cement squeezed. The cement top on the existing 5 ½ inch casing shall be raised from its existing depth of 5,800 feet to a depth of at least 500 feet above the proposed injection interval.
<u>McElvain Federal No. 10</u>	A cast iron bridge plug and cement on top shall be set at depths of 5,850 feet and 4,900 feet.

(18) The operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(19) Injection should be accomplished through 2 3/8 inch internally plastic-lined tubing installed in a packer set within 100 feet of the uppermost injection perforation in each well. The casing-tubing annulus should be filled with an inert fluid, and a gauge or approved leak-detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

(20) The injections wells or pressurization system should be equipped with a pressure control device or acceptable substitute that will limit the surface injection pressure to no more than 926 psi.

(21) Prior to commencing injection operations, the casing in each well should be pressure tested throughout the interval from the surface down to the proposed packer setting depth to assure the integrity of such casing.

(22) The operator should give advance notice to the supervisor of the Division's Hobbs District Office of the date and time (i) injection equipment will be installed, (ii) the mechanical integrity pressure tests will be conducted on the proposed injection wells, and (iii) remedial work will be conducted on the proposed injection wells or any "area of review" wells so that these operations may be witnessed.

(23) The operator should immediately notify the supervisor of the Division's Hobbs District Office of the failure of the tubing, casing or packer in any of the injection wells or the leakage of water, oil or gas from or around any producing or plugged and abandoned well within the project area, and should take all steps as may be timely and necessary to correct such failure or leakage.

(24) The proposed waterflood project should be approved and the project should be governed by Division Rules No. 701 through 708.

(25) The applicant seeks to qualify the proposed waterflood project as an "Enhanced Oil Recovery Project" pursuant to the "Enhanced Oil Recovery Act" (NMSA 1978 Sections 7-29A-1 through 7-29A-5).

(26) The evidence presented demonstrates that the proposed waterflood project meets all the criteria for approval.

(27) The approved project area should initially comprise the entire EK Penrose Sand Unit Area; provided, however, the "project area" and/or the producing wells eligible for the enhanced oil recovery (EOR) tax rate may be contracted and reduced based upon the evidence presented by the applicant in its demonstration of a positive production response.

(28) To be eligible for the EOR tax rate, the operator should advise the Division of the date and time water injection commences within the waterflood project. At that time, the Division will certify the project to the New Mexico Taxation and Revenue Department.

(29) At such time as a positive production response occurs, and within five years from the date the project was certified to the New Mexico Taxation and Revenue Department, the applicant must apply to the Division for certification of a positive production response. This application shall identify the area benefiting from enhanced oil recovery operations and the specific wells eligible for the EOR tax rate. The Division may review the application administratively or set it for hearing. Based upon the evidence presented, the Division will certify to the New Mexico Taxation and Revenue Department those wells that are eligible for the EOR tax rate.

(30) The injection authority granted herein for the wells shown on Exhibit "A" should terminate one year after the date of this order if the operator has not commenced injection operations into the wells; provided, however, the Division, upon written request by the operator, may grant an extension for good cause.

**IT IS THEREFORE ORDERED THAT:**

(1) Seely Oil Company is hereby authorized to institute a waterflood project within its EK Penrose Sand Unit Area, by the injection of water into the Penrose Sand member of the Queen formation, EK Yates-Seven Rivers-Queen Pool, through nine initial injection wells, all as shown on Exhibit "A" attached to this order. The EK Penrose Sand Unit Area is described as follows:

Township 18 South, Range 33 East, NMPM

Section 24: SE/4  
Section 25: NE/4

Township 18 South, Range 34 East, NMPM

Section 19: S/2  
Section 20: W/2 SW/4, SE/4 SW/4  
Section 29: NW/4, N/2 SW/4  
Section 30: N/2, N/2 SE/4, E/2 SW/4

(2) The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(3) Injection shall be accomplished through 2 3/8 inch internally plastic-lined tubing installed in a packer set within 100 feet of the uppermost injection perforation in each well. The casing-tubing annulus shall be filled with an inert fluid, and a gauge or approved leak-detection device shall be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

(4) The injection wells or pressurization system shall be equipped with a pressure control device or acceptable substitute that will limit the surface injection pressure to no more than 926 psi.

(5) The Division Director may administratively authorize a pressure limitation in excess of the above upon a showing by the operator that such higher pressure will not result in the fracturing of the injection formation or confining strata.

(6) Prior to commencing injection operations, the casing in each well shall be pressure tested throughout the interval from the surface down to the proposed packer setting depth to assure the integrity of such casing.

(7) Prior to commencing injection operations into the McElvain Federal Well No. 1, the applicant shall perform remedial cement operations on the Concho Oil & Gas Corporation Edith Federal Well No. 2 (API No. 30-025-29120) located 2130 feet from the North line and 1980 feet from the East line (Unit G) of Section 25, Township 18 South, Range 33 East, NMPM, in order to effectively isolate the Penrose Sand member of the Queen formation within this well.

(8) Prior to commencing injection operations into the Howe "TG" Federal Well No. 1, the applicant shall perform remedial cement operations on the Yates Petroleum Corporation Howe "TG" Federal Well No. 2 (API No. 30-025-29038) located 310 feet from the South line and 1830 feet from the West line (Unit N) of Section 30, Township 18 South, Range 34 East, NMPM, and the C. W. Trainer McElvain Federal

Well No. 3 (API No. 30-025-28557) located 766 feet from the South line and 731 feet from the West line (Unit M) of Section 30, Township 18 South, Range 34 East, NMPM, in order to effectively isolate the Penrose Sand member of the Queen formation within these wells.

(9) Subsequent to completing the remedial work on the aforesaid Edith Federal Well No. 2, the Howe "TG" Federal Well No. 2 and the McElvain Federal Well No. 3, the applicant shall provide documentation to the Santa Fe and Hobbs offices of the Division that such work has been successfully completed.

(10) Prior to commencing injection operations into each of the following-described injection wells, the applicant shall perform the remedial operations specified in this paragraph with respect to such well in a manner approved by the supervisor of the Hobbs District Office of the Division:

EK Queen Unit No. 27: Perforations from a depth of 4,370'-4,397' shall be cement squeezed.

EK Queen Unit No. 22: Perforations from a depth of 4,432'-4,444' shall be cement squeezed.

EK Queen Unit No. 21: Perforations from a depth of 4,390'-4,445' shall be cement squeezed. A 4 ½ inch liner shall be set from 4,350'-4,700' and cement circulated on this liner.

Citation No. 1: Perforations from a depth of 4,573'-4,590' shall be cement squeezed.

Scharbauer No. 2: Perforations from a depth of 4,474'-4,482' shall be cement squeezed.

Howe "TG" Federal No. 1: Perforations from a depth of 9,519'-9,541' shall be cement squeezed. The cement top on the existing 5 ½ inch casing shall be raised from its existing depth of 5,800 feet to a depth of at least 500 feet above the proposed injection interval.

McElvain Federal No. 10      A cast iron bridge plug and cement  
on top shall be set at depths of 5,850  
feet and 4,900 feet.

(11) The operator shall give advance notice to the supervisor of the Division's Hobbs District Office of the date and time (i) injection equipment will be installed (ii) the mechanical integrity pressure tests will be conducted on the proposed injection wells, and (iii) remedial work will be conducted on the proposed injection wells and "area of review" wells so these operations may be witnessed.

(12) The operator shall immediately notify the supervisor of the Division's Hobbs District Office of the failure of the tubing, casing or packer in any of the injection wells, or the leakage of water, oil or gas from or around any producing or plugged and abandoned well within the project area, and shall take all steps as may be timely and necessary to correct such failure or leakage.

(13) The waterflood project is hereby designated the EK Penrose Sand Unit Waterflood Project, and the applicant shall conduct injection operations in accordance with Division Rules No. 701 through 708, and shall submit monthly progress reports in accordance with Division Rules No. 706 and 1115.

(14) The EK Penrose Sand Unit Waterflood Project is hereby certified as an "Enhanced Oil Recovery Project." The project area shall initially comprise the entire EK Penrose Sand Unit Area; provided, however, the "project area" and/or the producing wells eligible for the enhanced oil recovery (EOR) tax rate may be contracted and reduced based upon the evidence presented by the applicant in its demonstration of a positive production response.

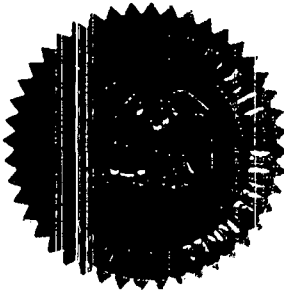
(15) To be eligible for the EOR tax rate, the operator shall advise the Division of the date and time water injection commences within the waterflood project. At that time, the Division will certify the project to the New Mexico Taxation and Revenue Department.

(16) At such time as a positive production response occurs, and within five years from the date the project was certified to the New Mexico Taxation and Revenue Department, the applicant must apply to the Division for certification of a positive production response. This application shall identify the area benefiting from enhanced oil recovery operations and the specific wells eligible for the EOR tax rate. The Division may review the application administratively or set it for hearing. Based upon the evidence presented, the Division will certify to the New Mexico Taxation and Revenue Department those wells that are eligible for the EOR tax rate.

(17) The injection authority granted herein for each of the wells shown on Exhibit "A" shall terminate one year after the date of this order if the operator has not commenced injection operations into the well; provided, however, the Division, upon written request by the operator, may grant an extension for good cause.

(18) Jurisdiction is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



SEAL

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

A handwritten signature in cursive script, appearing to read "Lori Wrotenbery".

LORI WROTENBERY  
Director

## Well Selection Criteria Quick Print

(Field\_No = 25743)

API Well #	Well Name and No.	Operator Name	Typ	Stat	County	Surf	UL	Sec	Twp	Rng	Ft N/S	Ft E/W	UICPrmt	Lst Insp Dt
30-015-25741-00-00	EAST SHUGART DELAWARE	001	SM ENERGY COMPANY	O	A	Eddy	F	O	13	18 S	31 E	430 S	1650 E	12/20/2011
30-015-25741-00-00	EAST SHUGART DELAWARE	001	SM ENERGY COMPANY	O	A	Eddy	F	O	13	18 S	31 E	430 S	1650 E	12/20/2011
30-015-25847-00-00	EAST SHUGART DELAWARE	002	SM ENERGY COMPANY	O	A	Eddy	F	P	13	18 S	31 E	330 S	330 E	12/20/2011
30-025-29695-00-00	EAST SHUGART DELAWARE	003	SM ENERGY COMPANY	O	A	Lea	F	M	18	18 S	32 E	330 S	330 W	12/30/2008
30-025-29978-00-00	EAST SHUGART DELAWARE	008	SM ENERGY COMPANY	O	A	Lea	F	C	19	18 S	32 E	660 N	1650 W	7/28/2003
30-025-37368-00-00	EAST SHUGART DELAWARE	018	SM ENERGY COMPANY	I	A	Lea	F	D	19	18 S	32 E	200 N	1025 W	8/24/2011
30-025-29887-00-00	EAST SHUGART DELAWARE	007	SM ENERGY COMPANY	O	A	Lea	F	D	19	18 S	32 E	760 N	330 W	7/28/2003
30-025-37418-00-00	EAST SHUGART DELAWARE	024	SM ENERGY COMPANY	I	A	Lea	F	E	19	18 S	32 E	2125 N	1100 W	8/24/2011
30-025-37036-00-00	EAST SHUGART DELAWARE	021	SM ENERGY COMPANY	I	A	Lea	F	E	19	18 S	32 E	1425 N	1000 W	R-11254 8/24/2011
30-025-29940-00-00	EAST SHUGART DELAWARE	011	SM ENERGY COMPANY	O	A	Lea	F	E	19	18 S	32 E	1700 N	330 W	7/28/2003
30-025-29939-00-00	EAST SHUGART DELAWARE	012	SM ENERGY COMPANY	O	A	Lea	F	F	19	18 S	32 E	1650 N	1650 W	7/28/2003
30-025-30111-00-00	EAST SHUGART DELAWARE	016	SM ENERGY COMPANY	O	A	Lea	F	K	19	18 S	32 E	2310 S	1650 W	7/28/2003
30-025-30187-00-00	EAST SHUGART DELAWARE	015	SM ENERGY COMPANY	O	A	Lea	F	L	19	18 S	32 E	2310 S	660 W	7/28/2003
30-015-31350-00-00	EAST SHUGART DELAWARE	020	SM ENERGY COMPANY	I	A	Eddy	F	A	24	18 S	31 E	1240 N	300 E	5/19/2011
30-015-31350-00-00	EAST SHUGART DELAWARE	020	SM ENERGY COMPANY	I	A	Eddy	F	A	24	18 S	31 E	1240 N	300 E	5/19/2011
30-015-25385-00-00	EAST SHUGART DELAWARE	006	SM ENERGY COMPANY	O	A	Eddy	F	A	24	18 S	31 E	890 N	990 E	12/21/2011
30-015-34212-00-00	EAST SHUGART DELAWARE	025	SM ENERGY COMPANY	I	A	Eddy	F	A	24	18 S	31 E	250 N	1125 E	WFX-814- 11/28/2011
30-015-33841-00-00	EAST SHUGART DELAWARE	017	SM ENERGY COMPANY	I	A	Eddy	F	A	24	18 S	31 E	475 N	50 E	R-11254 5/19/2011
30-015-26022-00-00	EAST SHUGART DELAWARE	005	SM ENERGY COMPANY	O	A	Eddy	F	B	24	18 S	31 E	790 N	1650 E	12/21/2011
30-015-25546-00-00	EAST SHUGART DELAWARE	004	SM ENERGY COMPANY	O	A	Eddy	F	B	24	18 S	31 E	765 N	1980 E	12/21/2011
30-015-25652-00-00	EAST SHUGART DELAWARE	014	SM ENERGY COMPANY	O	A	Eddy	F	E	24	18 S	31 E	2310 S	990 E	12/21/2011
30-015-25723-00-00	EAST SHUGART DELAWARE	009	SM ENERGY COMPANY	O	A	Eddy	F	G	24	18 S	31 E	1730 N	1650 E	12/21/2011
30-015-33842-00-00	EAST SHUGART DELAWARE	019	SM ENERGY COMPANY	I	A	Eddy	F	G	24	18 S	31 E	1430 N	1425 E	R-11254 5/19/2011
30-015-34292-00-00	EAST SHUGART DELAWARE	022	SM ENERGY COMPANY	I	A	Eddy	F	G	24	18 S	31 E	2550 N	1360 E	5/19/2011
30-015-25457-00-00	EAST SHUGART DELAWARE	010	SM ENERGY COMPANY	O	A	Eddy	F	H	24	18 S	31 E	1650 N	990 E	12/21/2011
30-015-33843-00-00	EAST SHUGART DELAWARE	023	SM ENERGY COMPANY	I	A	Eddy	F	H	24	18 S	31 E	2325 N	275 E	R-11254 5/19/2011
30-015-25734-00-00	EAST SHUGART DELAWARE	013	SM ENERGY COMPANY	O	A	Eddy	F	J	24	18 S	31 E	2310 S	1650 E	12/21/2011

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Petro  
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Exhibit "A"  
Division Order No. R-11254  
East Shugart Delaware Unit Waterflood Project  
Approved Injection Wells

Well Name & Number	Well Location	Injection Interval	Packer Setting Depth	Tbg. Size	Maximum Surface Injection Pressure
ESDU No. 1	430' FSL & 1650' FEL (Unit O) Section 13, T-18S, R-31E	5,090'-5,420'	5,000'	2 3/8"	1,003 PSIG
ESDU No. 17	248' FNL & 302' FEL (Unit A) Section 24, T-18S, R-31E	5,030'-5,310'	5,000'	2 3/8"	1,003 PSIG
ESDU No. 18	190' FNL & 1045' FWL (Unit D) Section 19, T-18S, R-32E	5,065'-5,320'	5,000'	2 3/8"	1,003 PSIG
ESDU No. 19	1288' FNL & 1361' FEL (Unit B) Section 24, T-18S, R-31E	5,020'-5,310'	5,000'	2 3/8"	1,003 PSIG
ESDU No. 20	1250' FNL & 303' FEL (Unit A) Section 24, T-18S, R-31E	5,020'-5,310'	5,000'	2 3/8"	1,003 PSIG
ESDU No. 21	1193' FNL & 1018' FWL (Unit D) Section 19, T-18S, R-32E	5,015'-5,330'	5,000'	2 3/8"	1,003 PSIG
ESDU No. 22	2330' FNL & 1320 FEL Section 24, T-18S, R-31E	5,030'-5,340'	5,000'	2 3/8"	1,003 PSIG
ESDU No. 23	2322' FNL & 248' FEL (Unit H) Section 24, T-18S, R-31E	5,025'-5,345'	5,000'	2 3/8"	1,003 PSIG
ESDU No. 24	2322' FNL & 1073' FWL (Unit E) Section 19, T-18S, R-32E	5,030'-5,360'	5,000'	2 3/8"	1,003 PSIG

15-33841

25-37368

15-33842

31350

37036

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33843

37418

WFX-814

34212

ESPU 25

5030-5310 ✓  
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1006