

| | | | | | |
|-----------------|----------|--------------------------|-------------------|----------|------------------------------|
| DATE IN 1-28-05 | SUSPENSE | ENGINEER <i>Caterach</i> | LOGGED IN 1-31-05 | TYPE IPI | APP NO. <i>PSM0503126120</i> |
|-----------------|----------|--------------------------|-------------------|----------|------------------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

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



249

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,

[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 _____ | Signature _____ | Title _____ | Date _____ |
| e-mail Address _____ | | | |

SEELY OIL COMPANY

815 WEST TENTH STREET
FORT WORTH, TEXAS 76102

January 24, 2005

RECEIVED

JAN 26 2005

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

Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

30-025-34181

Re: Request for Administrative Authority
Seely Oil Company
Central EK Queen Unit
EK Yates – Seven Rivers – Queen Field
Well No. 013
SE/4 SW/4 Sec 7-18S-34E
Lea County, New Mexico

W4-808
1. 9885-A
330 FSL
230 FSL
N

Gentlemen:


Enclosed please find a Step Rate Injection Test ran on November 18, 2004 for the above referenced well. 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, as Unit Operator, requests administrative approval of the OCD to increase the surface injection pressure to 1100 psig maximum.

The conversion of Central EK Queen Unit No. 013 was approved by Administrative Order No. WFX-808.

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

Very truly yours,


David L. Henderson
Executive Vice President

DLH/td

cc: Oil Conservation Division
District I
1625 N. French Dr.
Hobbs, NM 88240
Attn: Mr. Gary Wink

Step Rate Test



Cardinal Surveys Company

November 18, 2004

Seely Oil Company
Central E. K. Queen No. 13
330' FSL & 2310' FWL
Unit "N" Sec 7 T183, R34E
Field N/A
Lea County, New Mexico
SC54387

Downhole PSI Tool Ser. No.
Surface PSI Gauge Ser. No.

| | | |
|----------|-----------|----------------|
| 8:45 AM | Arr. Loc. | |
| 10:58 AM | Gauge on | |
| 10:58 AM | 11:10 AM | 0 BPD |
| 11:10 AM | 12:10 PM | 100 BPD |
| 12:10 PM | 1:10 PM | 200 BPD |
| 1:10 PM | 2:10 PM | 300 BPD |
| 2:10 PM | 3:10 PM | 400 BPD |
| 3:10 PM | 4:10 PM | 500 BPD |
| 4:10 PM | 5:10 PM | 600 BPD |
| 5:10 PM | 6:10 PM | 700 BPD |
| | 6:10 PM | Shut Down Pump |

RECEIVED

NOV 24 2004

SEELY OIL COMPANY

RECEIVED

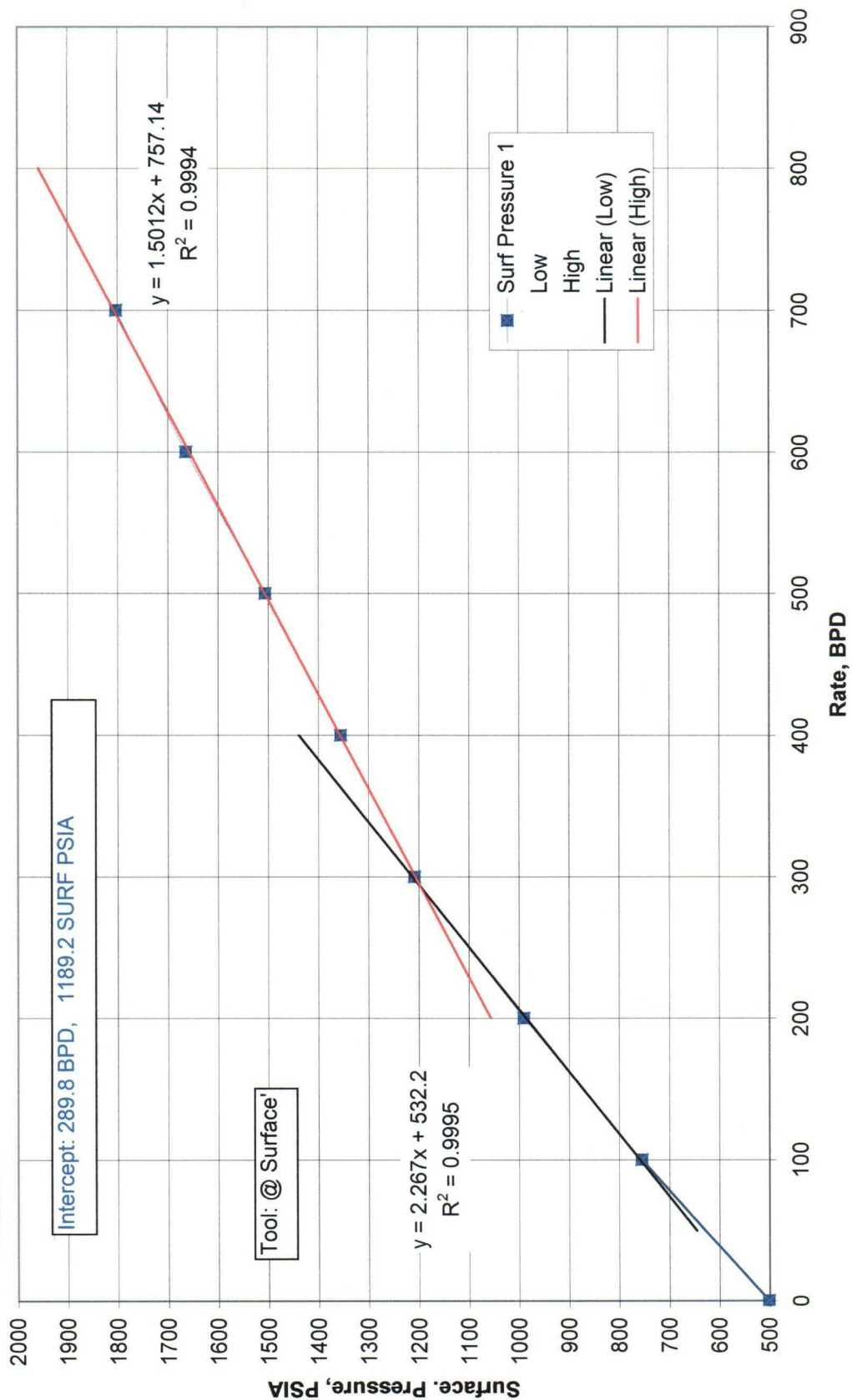
JAN 26 2005

Intercept: 289.8 BPD, ,
1189.2 SURF PSIA

Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

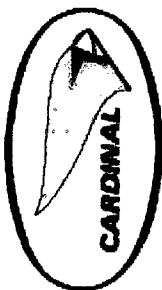


Seely Oil Company, Central E. K. Queen No. 13
Step Rate Test 11-17-04



Step Rate Test

Seely Oil Company
Central E. K. Queen No. 13
Field N/A
Lea County, New Mexico



| | S Time | E Time | D Time | Last Rate BPD | Step BPD | Surf Gauge 1 | | Surf Gauge 2 | | Cum BBL | Delta BBL | Avg BPD | lower | upper |
|---|----------|----------|--------|------------------|-------------|--------------|--|--------------|--|------------|--------------|------------|--------|--------|
| | Min | | | | | PSIA | | PSIA | | | | | | |
| 1 | 10:51 | 11:10 | 19 | 0 | 0 | 502.4 | | 494.2 | | 0 | 0 | 0 | | |
| 2 | 11:10 AM | 12:10 PM | 60 | 100 | 100 | 756.1 | | 747.1 | | 3.1 | 3.1 | 74 | 756.1 | |
| 3 | 12:10 PM | 1:10 PM | 60 | 200 | 100 | 991.2 | | 981.7 | | 11.1 | 8 | 192 | 991.2 | |
| 4 | 1:10 PM | 2:10 PM | 60 | 300 | 100 | 1209.5 | | 1208.9 | | 23.7 | 12.6 | 302 | 1209.5 | |
| 5 | 2:10 PM | 3:10 PM | 60 | 400 | 100 | 1356.1 | | 1356 | | 39.4 | 15.7 | 377 | | 1356.1 |
| 6 | 3:10 PM | 4:10 PM | 60 | 500 | 100 | 1506.7 | | 1514.6 | | 60.6 | 21.2 | 509 | | 1506.7 |
| 7 | 4:10 PM | 5:10 PM | 60 | 600 | 100 | 1684.5 | | 1659.3 | | 86.4 | 25.8 | 619 | | 1684.5 |
| | 5:10 PM | 6:10 PM | 60 | 700 | 100 | 1803.9 | | 1793.9 | | 116 | 29.6 | 710 | | 1803.9 |

2.267 532.2
1.5012 754.14
int point: 289.81457 BPD
1189.2096 PSIA



Seely Oil Company, Central E. K. Queen No. 13
Step Rate Test Raw Data 11-17-04

