

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-44422
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 Trove Energy SWD
8. Well Number 1
9. OGRID Number 371643
10. Pool name or Wildcat SWD; Devonian
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2966' GR

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 SWD

2. Name of Operator
Solaris Water Midstream, LLC

3. Address of Operator
907 Tradewinds Blvd, Suite B, Midland, TX 79706

4. Well Location
Unit Letter N : 944 feet from the South line and 2508 feet from the West line
Section 13 Township 24S Range 28E NMPM Eddy County

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 ☐
CLOSED-LOOP SYSTEM ☐
OTHER: Increase Injection Rate X

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Solaris Water Midstream, LLC requests an increase in the permitted daily injection volume FROM 25,000 bpd TO 40,000 bpd
On the Trove Energy SWD #1, Administrative Order SWD-1886.
See the attached Engineering Report from Greg Cloud, P.E. with Johnston & Cloud.

Request has been sent to Phillip Goetze in UIC.

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 30 2019

RECEIVED

Spud Date: 1/24/19

Rig Release Date: 3/10/19

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

SIGNATURE Bonnie Atwater TITLE Regulatory Tech DATE 9/26/19

Type or print name Bonnie Atwater E-mail address: bonnie.atwater@solarismidstream.com PHONE: 432-203-9046
For State Use Only

APPROVED BY: Accepted for record - NMOCD TITLE Compliance Mgr DATE 10-1-19
Conditions of Approval (if any): PS

Johnston & Cloud
Consulting Engineers
(Engineering Firm Registration No. F-2345)
940 East 51st Street, Suite 103
Austin, Texas 78751

Telecopier (512) 380-0580
(512) 380-0800

September 23, 2019

Bonnie Atwater
Solaris Water Midstream, LLC
907 Tradewinds Blvd., Suite B
Midland, Texas 79706

Re: Solaris Water Midstream, LLC
Trove SWD Lease, Well No. 1

Dear Ms. Atwater:

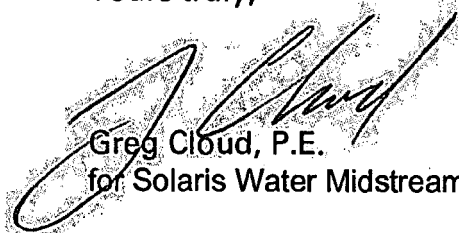
Concerning the Trove SWD injectivity test that was conducted on April 12, 2019, attached are summary data and an analysis of that data. The analysis indicates that the subject well can dispose of 40,000 BWPD and not exceed the maximum permitted surface injection pressure of 2820 PSIG.

If you have any questions or need any additional information, please do not hesitate to call.

Yours truly,



9-23-19


Greg Cloud, P.E.
for Solaris Water Midstream, LLC

Summary of Step Rate Test Data
Solaris Water Midstream, LLC
Trove SWD Lease, Well No. 1

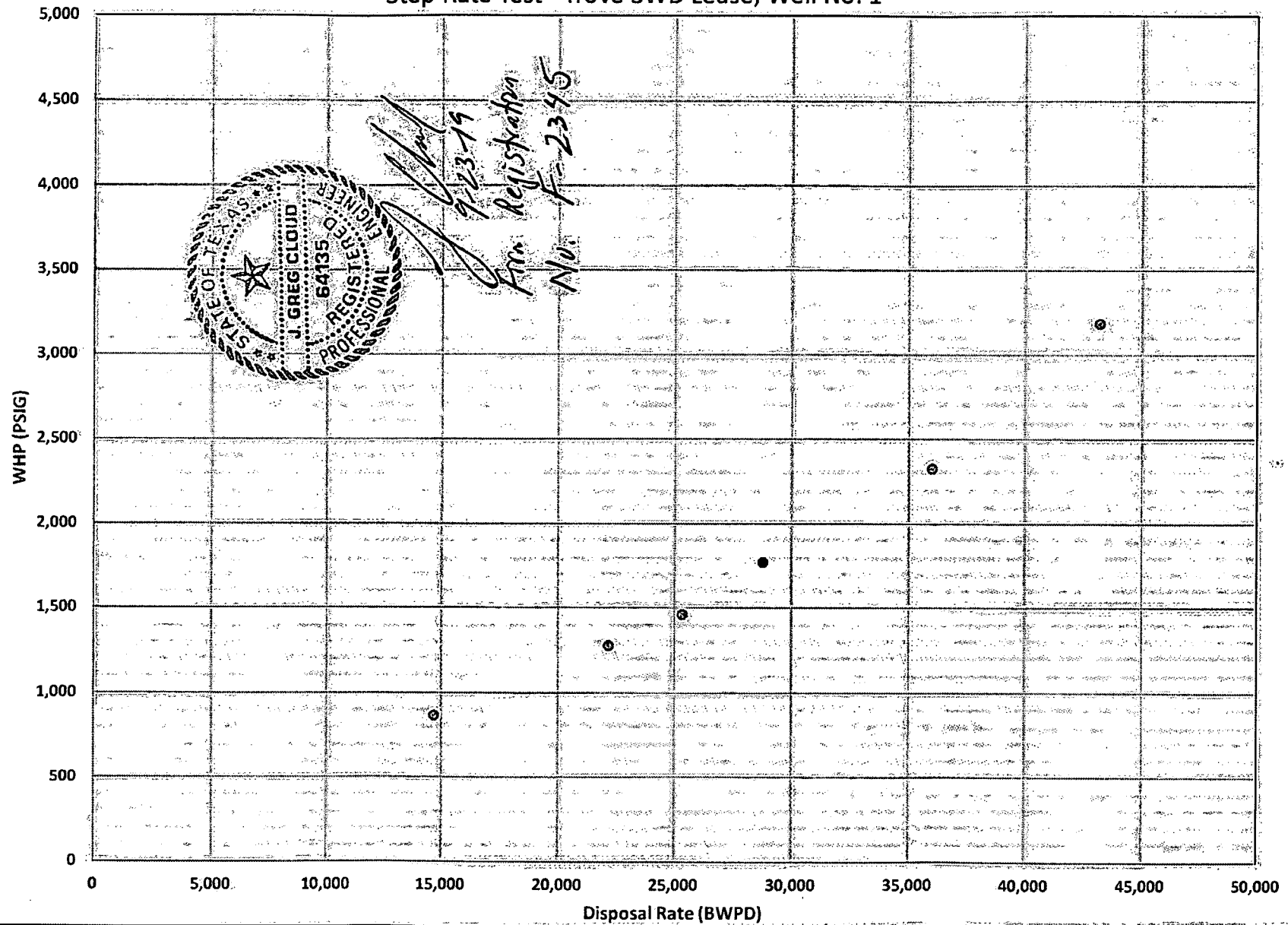
<u>Time</u> <u>(minutes)</u>	<u>Surface</u> <u>Injection</u> <u>Pressure</u> <u>(PSIG)</u>	<u>Injection</u> <u>Rate</u> <u>(BPM)</u>	<u>Injection</u> <u>Rate</u> <u>(BWPD)</u>
5	866	10.20	14,688
5	1278	15.40	22,176
5	1460	17.60	25,344
5	1770	20.00	28,800
5	2330	25.00	36,000
5	3187	30.00	43,200



J. Cloud
9-23-19

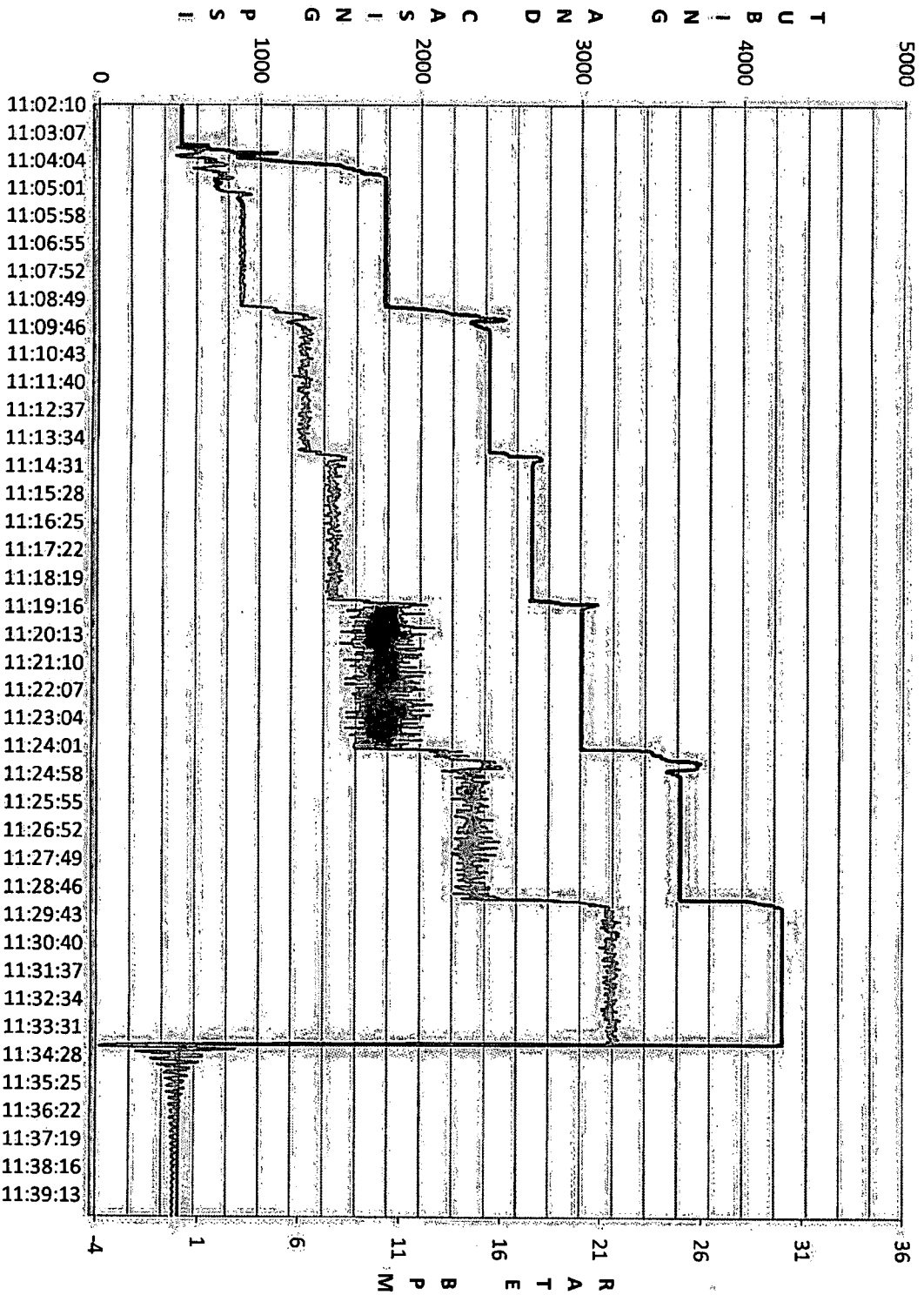
Firm Registration No. F-2345

Step Rate Test - Trove SWD Lease, Well No. 1



SOLARIS WATER MIDSTREAM SWD # 1

— TUBING — CASING — RATE



Permitted Injection Pressure **2,820**
 Calculated Max. Rate (bbls/min) **28.3**
 Calculated Max. Rate (bbls/day) **40,747**

Rate (bbls/min)	Pressure (psi)	BPD
10.2	866	14,688
15.4	1,278	22,176
17.6	1,460	25,344
20	1,770	28,800
25	2,330	36,000
30	3,187	43,200

Step Rate Test Solaris Water Midstream - Trove SWD 1

