

**BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING JULY 20, 2017**

CASE No. 15766

*APPLICATION TO REINSTATE THE INJECTION
AUTHORIZED BY ORDER NO. R-4007*



CrownQuest Operating, LLC
OGRID# 213190
P.O. Box 53310
Midland, Texas 79710

Re: Application for Authorization to Inject

Oil Conservation Division Engineers,

Please see attached the application for authorization to inject for **CrownQuest Operating, LLC's State "27" #2 SWD (API#30-025-22932)**. This application has already been submitted and approved under Case #4389 and Hearing #R-4007, but is being filed for renewal upon the OCD's request. There was a lapse in use of this well in 2016 at which time the OCD terminated the use of this well and has asked that this be renewed with a new C-108 filing.

Included in this application are the following:

1. C-108 Front and Back
2. ½ Mile Radius Map identifying the AOR
3. Spreadsheet showing wells within ½ mile radius and list of form provided for OCD's review
4. Supplemental data listing current operation
5. Geologic Data
6. Log has been previously filed with the Division
7. Chemical Analysis of fresh water from surrounding water wells
8. Statement of Examination
9. Proof of Notice

Please let me know if you have any questions or need additional information in order to complete a review of this application.

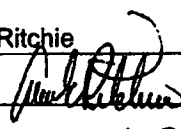
Sincerely,

Handwritten signature of Ann Ritchie, dated 5-18-17.

Ann Ritchie
CrownQuest Operating, LLC
ann.wtor@gmail.com
432.684.6381 office
432.682.1458 fax

BEFORE THE OIL CONSERVATION
DIVISION
Santa Fe, New Mexico
Exhibit No. 1
Submitted by: CROWNQUEST OPERATING, LLC
Hearing Date: July 20, 2017

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: X Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: CrownQuest Operating, LLC (213190) ✓
ADDRESS: P.O. Box 53310, Midland, Texas 79710
CONTACT PARTY: Ann E. Ritchie, Regulatory PHONE: 432-684-6381
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes X No
If yes, give the Division order number authorizing the project:
- 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.
- 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.
- 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 geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources 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: Ann E. Ritchie TITLE: Regulatory
SIGNATURE:  DATE: 5/19/17
E-MAIL ADDRESS: ann.wtor@gmail.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.
Please show the date and circumstances of the earlier submittal:

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: CrownQuest Operating, LLC (213190)

WELL NAME & NUMBER: State "27" #2 SWD

WELL LOCATION: 660' FSL & 660' FEL
FOOTAGE LOCATION

P
UNIT LETTER

27
SECTION

14S
TOWNSHIP

32E
RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17-1/2"

Casing Size: 13-3/8"

Cemented with: 400 sx.

or ft³

Top of Cement: 0'

Method Determined: circulation

Intermediate Casing

Hole Size: 11"

Casing Size: 8-5/8"

Cemented with: 300 sx.

or ft³

Top of Cement: 2300'

Method Determined: calculation

Production Casing

Hole Size: 7-7/8"

Casing Size: 5-1/2"

Cemented with: 200 sx.

or ft³

Top of Cement: 8020'

Method Determined: CBL

Total Depth: 10,009'

Injection Interval

9789 feet to 9970' perforated

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: _____

Type of Packer: Lock-Set Packer

Packer Setting Depth: 9,699'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes X No

If no, for what purpose was the well originally drilled? injection

2. Name of the Injection Formation: Penn

3. Name of Field or Pool (if applicable): SWD:PENN (96113)

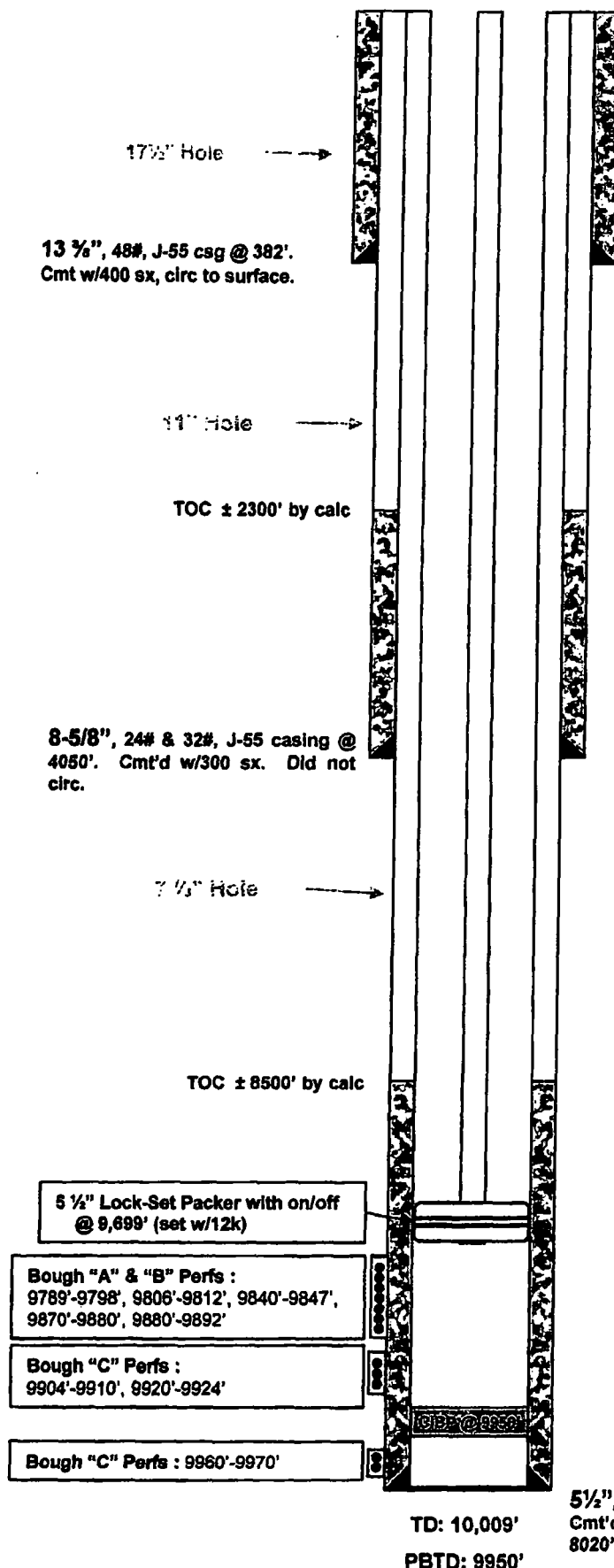
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

Date Spudded: 01/01/69
4313.5' KB, 4302' GL

Post-WKO Wellbore Diagram
CrownQuest Operating, LLC
State "27" #2 SWD

660' FSL, 660' FEL, Sec. 27, T-14-S, R-32-E,
Lea County, NM, API #30-025-22932



WORK SUMMARY

Tubing Record (10/29/12):

306 joints tubing:
-25 jts 2-7/8" IPC
-50 jts 2-7/8" J55
-57 jts Salta 2-7/8"
-72 jts IPC 2-3/8"
-102 Salta 2-3/8"
-1-51/2" Lock -Set Pkr w/ on-off tool 4.78'

Bottom of Tubing 9694.22'

5 1/2", 15.5 & 17#, N-80 & K-55 csg @ 10,009'
Cmt'd w/200 sx. Cmt did not circ. TOC
8020' by CBL

**BEFORE THE OIL CONSERVATION
DIVISION**

Santa Fe, New Mexico
Exhibit No. D

Submitted by: CROWNQUEST OPERATING, LLC
Hearing Date: July 20, 2017

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

87505

State of New Mexico

Geology, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

RECEIVED

SEP 18 2008

HOBBS (1)

WELL API NO.

30-025-22932

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

L-522

7. Lease Name or Unit Agreement Name

State "27"

8. Well Number

2-SWD

9. OGRID Number

213190

10. Pool name or Wildcat

Tulk (Perm) SWD; Penn

SUNDY 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 Well ☒

2. Name of Operator

CrownQuest Operating, LLC

3. Address of Operator

303 Veterans Arprk Ln, Ste 5100 Midland, TX 79710

4. Well Location

Unit Letter P : 660' feet from the South line and 660' feet from the East line

Section 27 Township 14S Range 32E NMPM County Lea

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

4302' GR, 4313.5' KB

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

OTHER: Replace Tbg & Pkr, Acidize ☒

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.

8/20/08 to 8/26/08 - POH w/injection tbg & pkr.

8/27/08 - RIH w/4 1/2" bit & scraper to 9835' @ top of junk previously left in hole (old inj pkr). POH. RIH w/4 1/2" shoe and 60' wash pipe.

8/28/08 to 8/29/08 - Wash over junk & fill from 9835' to top of CIBP @ 9950'.

Circ hole clean. POH w/BHA and LD old injection pkr.

9/5/08 - RIH w/treating pkr & workstring. Set pkr @ 9687'. Treat perms @ 9879'-9924' with 500 gals xylene & 5000 gals 20% NeFe acid @ 8.5 BPM, 4400#. ISIP 800#, 15 min 270#.

9/8/08 - Well on vacuum. Release pkr and POH w/pkr and workstring.

9/9/08 to 9/10/08 - RIH w/new 5 1/2" Lock-Set injection pkr, 2 1/2" & 2 1/2" IPC tbg. Circ pkr fluid and set pkr @ 9712' w/12K tension.

9/11/08 - Test annulus @ 500 psi for 30 min. Tested good.

(see attached pressure chart, before & after WKO wellbore diagrams)

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

Don Rogers

TITLE Mgr, Special Projects DATE 9/12/08

drogers@crowquest.com (432) 818-0307

E-mail address: Telephone No.

Type or print name

For State Use Only

OCD FIELD REPRESENTATIVE / STAFF MANAGER

SEP 23 2008

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

Form C-108

Affirmative Statement

CrownQuest Operating, LLC, State "27" #2 SWD
660 FSL & 660 FEL, Section 27, T14S, R32E
Lea County, New Mexico

New Mexico Oil Conservation Division:

Available geologic and engineering data have been examined and reviewed with geologist and no evidence of open faults or hydrological connection between the disposal zone and any underground sources of drinking water has been found.



Date: _____

5-18-17

Ann Ritchie, Regulatory
CrownQuest Operating, LLC
P.O. Box 53310
Midland, TX 79710

Saul Leyva, Engineering
CrownQuest Operating, LLC

LEGAL NOTICE

CrownQuest Operating, LLC, c/o Box 953, Midland, TX 79702, has filed a Form C-108 (Application for Authorization to Inject) with the Oil conservation Division seeking renewal administrative approval to permit the following described well to water injection for lease injection/disposal into the SWD; Penn field, Lea County, New Mexico.

State "27" 2 SWD API#30-025-22932. 660 FSL & 660 FEL, Section 27, T14S, R32E. Injection interval 9789-9924 (Penn).

The average and maximum injection rates will be 100 and 200, average and maximum pressures will be 2200 and 3500 psi.

Interested parties must file objections with the New Mexico Oil Conservation Division, 120 S. St. Francis Dr. Santa Fe, NM 87505 within 15 days of this publication.

Additional information can be obtained by contacting Ann Ritchie, Regulatory, CrownQuest Operating, LLC 432) 484-6381.

Published in the Hobbs News-Sun, Hobbs, NM _____

**BEFORE THE OIL CONSERVATION
DIVISION**
Santa Fe, New Mexico
Exhibit No. C
Submitted by: **CROWNQUEST OPERATING, LLC**
Hearing Date: July 20, 2017



March 31, 2017

To: CrownQuest Operating

From: Endura Technical Department

Subject: SWD

CrownQuest personnel have recently requested estimated costs for treatment of a proposed new SWD. Disposal volumes are proposed to be 100 barrels of water per day.

The three treatment scenarios requested are for scale (SI-180, scale inhibitor, SCI-8260, scale/corrosion inhibitor), iron sulfide (SCAV-20, iron sulfide scavenger/surfactant) and biocide (NOVACIDE 1125 / ENVIRO BROM G, registered biocide liquid / stick) treatment. Scale/corrosion and iron sulfide are generally treated continuously. Bacteria are normally controlled by batch treatments as necessary.

Once the well is in production we would evaluate the system with water analyses, millipore filters, visual samples and bacteria cultures. Additional recommendations would be based on these samples.

Cost Considerations

Scale Inhibition

Product	Gallons/Month	Cost/Gallon	Total/Month
SI-180	3.5	\$9.87	\$34.55
Total			\$34.55

Scale/Corrosion Inhibition

Product	Gallons/Month	Cost/Gallon	Total/Month
SCI-8260	7	\$14.53	\$101.71
Total			\$101.71

Iron Sulfide Control

Product	Gallons/Month	Cost/Gallon	Total/Month
SCAV-20	7	15.80	\$110.60
Total			\$110.60

Biocide Treatment

Product	Cost/Gallon/Stick
NOVACIDE 1125	\$28.79
ENVIRO BROM G	\$20.75

Your local ENDURA representative, Michael McNeil, will answer any questions concerning this report. At ENDURA, we are committed to resolving our customer's production problems with quality products and experienced service. We appreciate the opportunity to provide these analyses and recommendations.

3-31-17 KW



P.O. Box 3394, Midland, Texas 79702
Phone (432) 684-4233 Fax (432) 684-4277

Water Analysis

Code 194809

Client Information

CrownQuest Operating, LLC
County: Lea
Rep: Michael McNeil

Sample Information

Lease/Well: State 22/2
Sample Point: Well Head
Date Sampled: 04/03/2017
Date Reported: 04/03/2017

Results

Cations

Ion	Concentration(mg/L)
Barium (as Ba)	0
Calcium (as Ca)	2172
Iron (as Fe)	0
Sodium (as Na)	26610
Magnesium (as Mg)	403

Other Measurements

Measurement	Value
pH	7.14
SG	1.0575
Turbidity	350
CO ₂	
Total Dissolved Solids	85188.000

Anions

Ion	Concentration(mg/L)
Chlorides (as Cl)	52900
Sulfate (as SO ₄)	2550
Carbonate (as CO ₃)	0
Bicarbonates (as HCO ₃)	537
Sulfide (as S ²⁻)	16

Scaling Indices

Temp(F)	CaCO ₃	CaSO ₄ ·2H ₂ O	CaSO ₄	BaSO ₄
80	0.3483	0.0000	0.0000	-28.9177
120	0.9501	0.0000	0.0000	-29.1518
160	1.6191	0.0000	0.0000	-29.3610
200	2.3157	0.0000	0.0000	-29.5362
250	3.0452	0.0000	0.0000	-29.6237

Low = < 0.200, Moderate = 0.200-0.999, High = > 1.00

Comments



P.O. Box 3394, Midland, Texas 79702
Phone (432) 684-4233 Fax (432) 684-4277

Water Analysis

Code 194808	
Client Information	Sample Information
CrownQuest Operating, LLC	Lease/Well: North Line/1
County: Lea	Sample Point: Well Head
Rep: Michael McNeil	Date Sampled: 04/03/2017
	Date Reported: 04/03/2017

Results

Cations

Ion	Concentration(mg/L)
Barium (as Ba)	0
Calcium (as Ca)	66
Iron (as Fe)	0
Sodium (as Na)	12
Magnesium (as Mg)	1

Other Measurements

Measurement	Value
pH	8.34
SG	1.0000
Turbidity	3
CO ₂	
Total Dissolved Solids	405.000

Anions

Ion	Concentration(mg/L)
Chlorides (as Cl)	64
Sulfate (as SO ₄)	30
Carbonate (as CO ₃)	0
Bicarbonates (as HCO ₃)	232
Sulfide (as S ²⁻)	0

Scaling Indices

Temp(F)	CaCO ₃	CaSO ₄ ·2H ₂ O	CaSO ₄	BaSO ₄
80	1.1500	0.0000	0.0000	-27.4449
120	1.4510	0.0000	0.0000	-27.6506
160	1.7727	0.0000	0.0000	-27.7556
200	2.0645	0.0000	0.0000	-27.8006
250	2.3395	0.0000	0.0000	-27.8310

Low = < 0.200, Moderate = 0.200-0.999, High = > 1.00

Comments



P.O. Box 3394, Midland, Texas 79702
Phone (432) 684-4233 Fax (432) 684-4277

Water Analysis

Code 194810	
Client Information	Sample Information
CrownQuest Operating, LLC County: Lea	Lease/Well: Windmill/1
Rep: Michael McNeil	Sample Point: Well Head Date Sampled: 04/03/2017 Date Reported: 04/03/2017

Results

Cations

Ion	Concentration(mg/L)
Barium (as Ba)	0
Calcium (as Ca)	77
Iron (as Fe)	0
Sodium (as Na)	15
Magnesium (as Mg)	6

Other Measurements

Measurement	Value
pH	8.38
SG	1.0003
Turbidity	0
CO ₂	
Total Dissolved Solids	455.000

Anions

Ion	Concentration(mg/L)
Chlorides (as Cl)	90
Sulfate (as SO ₄)	60
Carbonate (as CO ₃)	0
Bicarbonates (as HCO ₃)	207
Sulfide (as S ²⁻)	0

Scaling Indices

Temp(F)	CaCO ₃	CaSO ₄ ·2H ₂ O	CaSO ₄	BaSO ₄
80	1.2007	0.0000	0.0000	-27.4933
120	1.5029	0.0000	0.0000	-27.6989
160	1.8271	0.0000	0.0000	-27.8045
200	2.1212	0.0000	0.0000	-27.8485
250	2.3978	0.0000	0.0000	-27.8709

Low = < 0.200, Moderate = 0.200-0.999, High = > 1.00

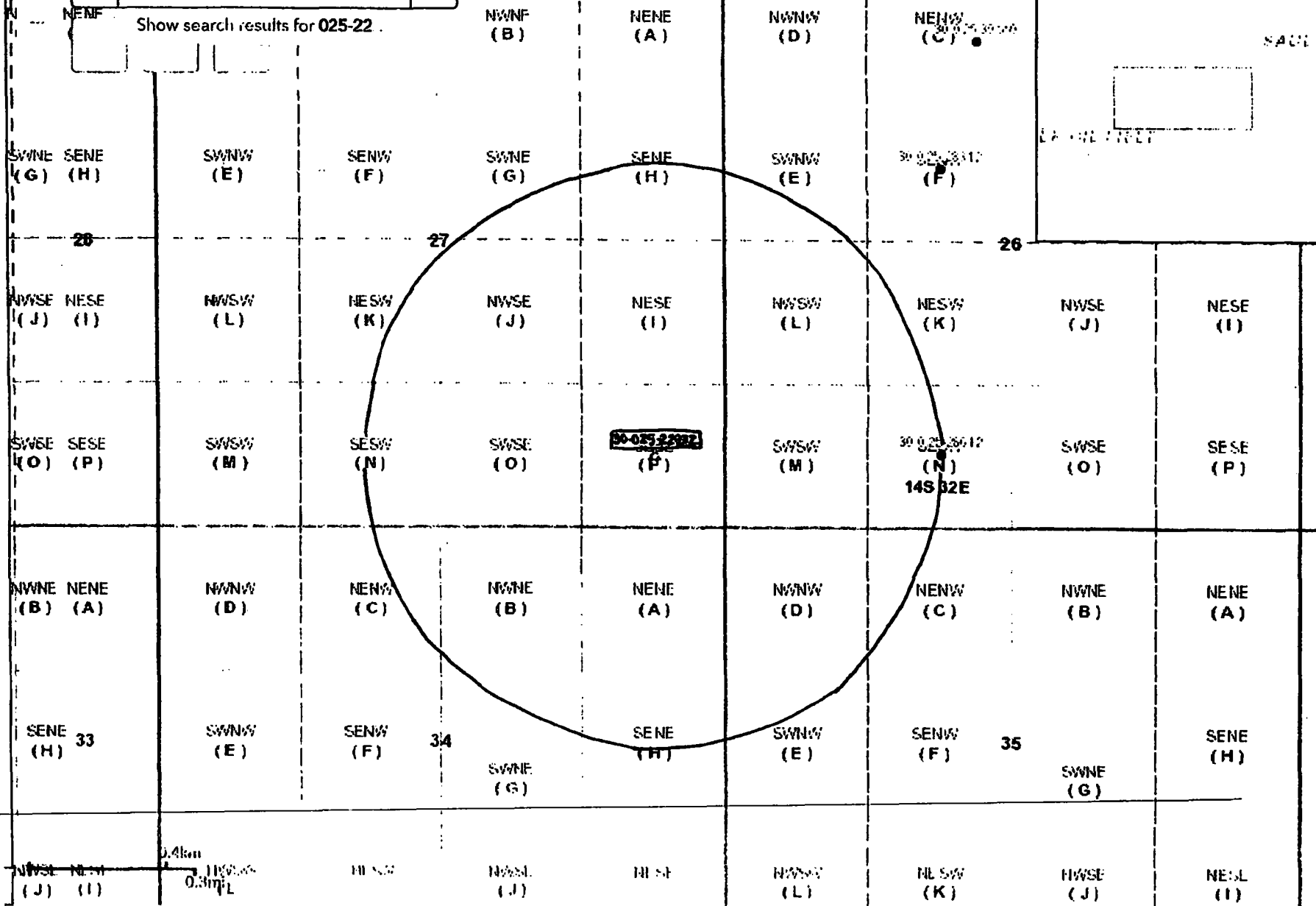
Comments

NM OCD OIL AND GAS MAP
API # 30-025-22932
1/2 MILE RADIUS



▼ 025-22932 X Q

Show search results for 025-22



BEFORE THE OIL CONSERVATION
DIVISION
Santa Fe, New Mexico
Exhibit No. A
Submitted by: CROWNQUEST OPERATING, LLC
Hearing Date: July 20, 2017

All Rights Reserved

CrownQuest Operating, LLC (213190)**State "27" #2 - AOR Listing**

<u>API#</u>	<u>Well Name & #</u>	<u>Well Type</u>	<u>Date Drilled</u>	<u>Location</u>	<u>TD</u>	<u>Form Provided</u>
30-025-28612	CrownQuest State "26" #5	Oil Well	5/20/2008	UI N, Sec. 26, 14S, 32E; 660' FSL & 1980' FWL; Lea County	10000	C-103, C-104, C-105

STATE OF NEW MEXICO

Form C-105
Revised 10-1-78

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
L-521	

7. Unit Agreement Name
8. Farm or Lease Name
State "26" Com.
9. Well No.
5
10. Field and Pool, or Wildcat
Tulk (Penn)

12. County
Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
3-14-84	4-9-84	4-26-84	4282.8' GR	4282.8'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
10,000'	9855'			X	

24. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
9806-81', Penn	No

26. Type Electric and Other Logs Run	27. Was Well Cored
GR/CBL, SNP/GR, DIL	No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	68#	410'	17 1/2"	425 sx. Cl. "C"	-
8 5/8"	24# & 28#	4100'	12 1/4"	1600 sx. Cl. "C"	-
5 1/2"	20# & 17#	10,000'	7 7/8"	715 sx. Cl. "H"	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	9748'	9748'

30. TUBING RECORD

AMOUNT AND KIND MATERIAL USED		
	9868-9881	2500 gal. 15% NEFE
	9806-31	5000 gal. 15% NEFE

33. PRODUCTION

Well Status (Prod. or Shut-in)	
Producing	
Oil - Bbl.	Gas - Oil Ratio
49	825
Oil Gravity - API (Corr.)	
41.3	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
Fuel & Sold	C. D. Tate

35. List of Attachments

Logs, inclination survey & C-104

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED D. J. Campbell TITLE Sr. Petroleum Engineer DATE 6/1/84

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>1507</u>	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates <u>2548</u>	T. Miss	T. Cliff House	T. Leadville
T. Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen <u>3443</u>	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres <u>4073</u>	T. Simpson	T. Gallup	T. Ignacio Qste
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blaineby	T. Gr. Wash	T. Morrison	T.
T. Tubb <u>6382</u>	T. Granite	T. Todillo	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo <u>7610</u>	T. Bone Springs	T. Wingate	T.
T. Wolfcamp <u>8928</u>	T.	T. Chinle	T.
T. Penn. <u>9537</u>	T.	T. Permian	T.
T. Cisco, Bough C. <u>9849</u>	T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet	_____
No. 2, from _____ to _____ feet	_____
No. 3, from _____ to _____ feet	_____
No. 4, from _____ to _____ feet	_____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	400	400	Surface sand				
400	1507	1107	Red-beds, shale				
1507	4073	2566	Sand, dolomite, anhydrite				
4073	6382	2809	Dolomite				
6382	7610	728	Sand, dolomite, shale				
7610	8928	1318	Shale, dolomite				
8928	9537	609	Shale, lime				
9537	TD	463	Lime				

RECEIVED
JUN 4 1984
C.D.
HOES OFFICE

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised Feb. 26, 2007

Submit to Appropriate District Office
5 Copies

AMENDED REPORT

L. REQUEST FOR OIL AND GAS TRANSPORT AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address: CrownQuest Operating, LLC P.O. Box 53310, Midland, TX 79710		² OGRID Number 213190
⁴ API Number 30 - 025 28612		³ Reason for Filing Code/ Effective Date Back on Production: 5-20-08
⁵ Pool Name Tulsk (Penn)	⁶ Pool Code 60380	⁷ Well Number 5
⁸ Property Code 302609	⁹ Property Name State "26" Com	

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South	Feet from the	East/West line	County
N	26	14S	32E		660'	Line South	1980'	West	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Loe Code P	¹³ Producing Method Code P	¹⁴ Gas Connection Date 5-20-08	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
024650	DCP Midstream, LP, 10 Desta Dr., Suite 400W, Midland, TX 79705	G
188355	Sem Crude, LP, 5809 Santa Fe St., Abilene, TX 79605	O

IV. Well Completion Data

²¹ Spud Date	²² Ready Date BOP: 5-20-08	²³ TD 10,000'	²⁴ PBTD 9855'	²⁵ Perforations 9806-81'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	410'	425 sx		
12 1/4"	8 5/8"	4100'	1600 sx		
7 7/8"	5 1/2"	10,000'	715 sx		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date 5-20-08	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 8	³⁹ Water 3	⁴⁰ Gas 23		⁴¹ Test Method

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature: *Ann E. Ritchie*

Printed name:
Ann E. Ritchie
Title:
Regulatory Agent
E-mail Address:
ann.ritchie@wtor.net

Date:
06/13/08
Phone:
432 684-6381

OIL CONSERVATION DIVISION

Approved by: *Chris Williams*
OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date:
JUL 15 2008

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88201
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
May 27, 2004

RECEIVED SEP 16 2009 HOBBSUCD		OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505	
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.)		WELL API NO. 30-025-28612 ✓	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> ✓	
2. Name of Operator CrownQuest Operating, LLC		6. State Oil & Gas Lease No. L-521	
3. Address of Operator 303 Veterans Arprk Ln, Ste 5100 Midland, TX 79710		7. Lease Name or Unit Agreement Name State "26" Com ✓	
4. Well Location Unit Letter <u>N</u> : <u>660</u> ' feet from the <u>South</u> line and <u>1900</u> ' feet from the <u>West</u> line Section <u>26</u> Township <u>14S</u> Range <u>32E</u> NMPM County <u>Lea</u> ✓		8. Well Number <u>5</u> ✓	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>4282.8</u> ' GL		9. OGRID Number <u>213190</u> ✓	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		10. Pool name or Wildcat Tulk (Penn) ✓	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____			
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls Construction Material _____			

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

3/17/08 Rigged up, pulled rods & pump, inspected rods
3/18/08 Pulled 2-7/8" tubing
3/19/08 RIH w/Arrowset pkr, tight spot in csg, POH w/pkr, RIH w/4-3/4" bit and scraper to 9942'
3/24/08 RIH w/pkr to 9600'. Acidize w/5000 gals 20% acid
3/26/08 RIH w/pump and rods, loaded tbgs w/45 bbls to 500 psi
3/27/08 RIH w/1-5/8" grapple and rods, caught fish. POH w/rods & pump, RIH w/pump & rods. Loaded tbgs, spaced well out, started pumping unit. Well pumping and back on production

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Don Rogers TITLE Mgr, Special Projects DATE 9/14/09
Type or print name drogers@crownquest.com (432) 818-0307
For State Use Only E-mail address: Telephone No.

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE SEP 17 2009
Conditions of Approval (if any):

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

RECEIVED
MAY 19 2009
Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR		<input checked="" type="checkbox"/> Initial Report	Final Report
Name of Company	CrownQuest Operating, LLC	Contact	Kent Crabtree
Address	PO Box 53310 Midland, Texas 79710	Telephone No.	432-556-0770
Facility Name	SWD-215, State 27 No.2 SWD	Facility Type	SWD
Surface Owner	State of New Mexico	Mineral Owner	
		Lease No.	

LOCATION OF RELEASE								API # 30-025-22932-00-00
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	14S	32E					Lea

Latitude 33 04' 12.12" North Longitude 103 41' 57.76" West

NATURE OF RELEASE		
Type of Release	Produced Water/Crude Oil	Volume of Release
Source of Release	Daily Operations at Facility	Unknown
Was Immediate Notice Given?	Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required <input checked="" type="checkbox"/>	Date and Hour of Occurrence
By Whom?		Unknown
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date and Hour of Discovery
		Unknown

If a Watercourse was Impacted, Describe Fully.*
WATER @ 175'
Describe Cause of Problem and Remedial Action Taken: Circulating pump has been repaired and location is being delineated.
Describe Area Affected and Cleanup Action Taken. Release impacted an area measuring approximately 135 feet by 45 feet.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases, which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION	
Signature: <i>Kent Crabtree</i>	Approved by District Supervisor: <i>Jeffrey Laking</i>
Printed Name: Kent Crabtree	Approval Date: 05/19/09 Expiration Date: 07/20/09
Title: Foreman	Conditions of Approval: FINAL C-141BY
E-mail Address: kcrabtree@crowquest.com	
Date: 05/19/09 Phone: 432-556-0770	IRP-09-5-2189

FGRL094235385

SWD ; PENN (96113)

Prop # 302610

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MAY 19 2009

HOBBSDO

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brizos Road, Aztec, NM 87410
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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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MAY 19 2009

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report

Final Report

Name of Company	CrownQuest Operating, LLC	Contact	Kent Crabtree
Address	PO Box 53310 Midland, Texas 79710	Telephone No.	432-556-0770
Facility Name	SWD-215, State 27 No.2 SWD	Facility Type	SWD

Surface Owner	State of New Mexico	Mineral Owner		Lease No.	
---------------	---------------------	---------------	--	-----------	--

LOCATION OF RELEASE

API # 30-025-22932-00-00

Unit Letter P	Section 27	Township 14S	Range 32E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude 33 04' 12.12" North

Longitude 103 41' 57.76" West

NATURE OF RELEASE

Type of Release	Produced Water/Crude Oil	Volume of Release	Unknown	Volume Recovered	Unknown
Source of Release	Daily Operations at Facility	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery	Unknown
Was Immediate Notice Given?	Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required <input checked="" type="checkbox"/>	If YES, To Whom?			
By Whom?	Date and Hour				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

WATER @ 175'

Describe Cause of Problem and Remedial Action Taken: Circulating pump has been repaired and location is being delineated.

Describe Area Affected and Cleanup Action Taken. Release impacted an area measuring approximately 135 feet by 45 feet.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases, which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Kent Crabtree</i>	OIL CONSERVATION DIVISION	
Printed Name: Kent Crabtree	Approved by ENV EGR District Supervisor: <i>Jeffrey Lakin</i>	
Title: Foreman	Approval Date: 05/19/09	Expiration Date: 07/20/09
E-mail Address: kcrabtree@crowquest.com	Conditions of Approval: FINAL C-141 BY	
Date: 05/19/09	Phone: 432-556-0770	IRP-09-5-2189

FGRL0914235385

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MAY 19 2009

HOBBSDO

30-025-22932 (SWD)
State 27#2
P-27-145-32E
66015-6601E

HOBBS OCD

NOV 14 2013

CrownQuest
DAILY OPERATIONS REPORT

RECEIVED

State 27 # 2

Printed Oct 31, 2012 Page 1 of 4

State 27 # 2

Lea Co., NM

Property#: 200996-02

Zone: 1 Field: Tulk

Sep 20, 2012 Thursday (Day 1)

MI RU PU from yard, Lea County Packers released 5 1/2" Lock set packer, TOH w/ 109 jts 2 7/8" IPC tubing and 200 jts 2 3/8" IPC tubing, total 9729', packer was rebuilt and found to be in good condition and tubing look good, CWIFN

Daily Cost:

Cum. Cost:

Sep 21, 2012 Friday (Day 2)

RU tubing testers, tubing was dual lined J-55 IPC, did not have tools to test dual lined tubing, decided not to repair well due to cost and low amount of water injected, lay down packer, release tubing testers, RIH w/ tubing and laid down 109 jts dual lined 2 7/8" IPC and 100 jts dual lined 2 3/8" tubing, CWIFN.

Daily Cost:

Cum. Cost:

Sep 22, 2012 Saturday (Day 3)

POOH w/ 80 jts 2 3/8" DL IPC tubing, left 20 JIW for kill string, roustabouts hauled 289 joints tubing and racks to CQ yard, RD MO PU to Waddell #2301. Final Report.

Daily Cost:

Cum. Cost:

Sep 27, 2012 Thursday (Day 4)

MI RU PU from Waddell 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 1/2 rental compression packer from Lea County Packers and 65 jts 2 7/8" tubing, CWIFN.

Daily Cost:

Cum. Cost:

Sep 28, 2012 Friday (Day 5)

RIH w/ 235 joints, 300 JIW at 9706', set packer, loaded casing w/ 22 bbls, pressured up to 500 psi, casing pressure bled off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressured up to 500 psi, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer and shut down at 3:00 pm due to heavy rain.

Daily Cost:

Cum. Cost:

Oct 1, 2012 Monday (Day 6)

Packer released sitting at 9608 w/ 297 JIW, POOH w/ 31 jts, 266 JIW and set packer at 8607', loaded casing w/ 18 bbls pressured to 500 psi, pressure fell from 500 psi to 100 psi in 6 min, released packer, POOH w/ 20 jts, 246 JIW, set packer at 7962', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6988', pressure test failed, POOH w/ 30 jts, 186 JIW, set packer at 6028, loaded casing w/ 18 bbls, pressured to 500 psi, pressure held for 15 min, RIH w/ 10 jts, 196 JIW, set packer at 6350', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 2 jts, 188 JIW, set packer at 6092', casing pressure tested good to 500 psi for 15 min, RIH w/ 1 jt, 189 JIW, set packer at 6124', pressure test failed, casing leak between 6092' and 6124', released packer and CWIFN

Daily Cost:

Cum. Cost:

Oct 2, 2012 Tuesday (Day 7)

POOH w/ 189 jts tubing and packer, W/O orders from NM OCD.

Daily Cost:

Cum. Cost:

Oct 3, 2012 Wednesday (Day 8)

Waiting on orders from NM OCD, rig and crew on standby.

Daily Cost:

Cum. Cost:

Accepted for Record Only

NOV 14 2013

30 025-22932 (SWO)
State 27#2
D-27-14s-32E
660/S-660/E

HOBBS OCD

NOV 14 2013

CrownQuest
DAILY OPERATIONS REPORT

State 27 # 2

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Printed Oct 31, 2012 Page 2 of 4

State 27 # 2

Lea Co., NM

Property#: 200996-02

Zone: 1 Field: Tulk

Oct 4, 2012 Thursday (Day 9)

RIH w/ 292 jts tubing, POOH and laid down 292 jts 2 7/8" work string, RD MO to State 26-5.

Daily Cost:

Cum. Cost:

Oct 11, 2012 Thursday (Day 10)

MI RU PU, tallied tubing, RIH w/ 5 1/2" RBP and 5 1/2" packer, set RBP at 9706', POOH with 1 joint and set packer at 9674', RBP did not pressure test, release RBP and set at 9690', set packer at 9674', pressure tested to 500# for 15 min, pressure held, POOH and set packer at 6219', pressure tested to 500# for 15 min, pressure held, POOH and set packer at 6051', pressure tested casing to 500 psi, pressure held, RU pump truck and pumped down tubing into casing leak at 1/2 bbl min, pressure was 700 psi, opened 8 5/8" intermediate valve, no pressure or flow from intermediate, RD pump truck and CWIFN.

Daily Cost:

Cum. Cost:

Oct 12, 2012 Friday (Day 11)

RU pump truck, packer set at 6051', loaded and pressure casing to 500 psi, pumped down tubing into casing leak 1/2 bbl min at 2000 psi, total of 10 bbls, no flow out of intermediate, released packer and RIH to 6124', spotted 350 gal. 20% double inhibited HCL, POOH w/ 4 jts, reversed 12 bbls water, set packer at 5989', pressured casing to 500 psi, pumped 1/2 bbl min down tubing at 2140 psi, max rate 0.8 bpm, avg rate .6 bpm, total of 16 bbls, no flow out of intermediate, shut pump down, ISIP 1800 psi, bled down to 0 psi in 3 min, RD and release pump truck, CWIFN.

Daily Cost:

Cum. Cost:

Oct 15, 2012 Monday (Day 12)

Release packer 5989' and RIH to 6100' set packer, pressure tested casing to 500 psi, held, pumped down tubing, leaked, RIH to 6114' pumped down casing, leaked, tubing pressure tested to 500 psi, released packer and RIH to 9690' release RBP, POOH w/ packer and RBP, RIH w/ 5 1/2" CIBP, tried to set at 6264', would not set, POOH to 6225' set CIBP, POOH w/ 16 stands, CWIFN.

Daily Cost:

Cum. Cost:

Oct 16, 2012 Tuesday (Day 13)

POOH w/ tubing, RIH w/ packer to 6215', set packer and pressure tested CIBP to 500 psi for 15 min, good test, POOH and set packer at 5957', pressure tested casing to 500 psi and held, pumped 15 bbls water down tubing into casing leak 0.5 BPM at 1800 psi, broke circulation up 8 5/8" casing, flowed back heavy black water into steel pit, pumped 40 bbls fresh water, returns were clean. CWIFN. Ordered wire line to perforate casing 10-17-12.

Daily Cost: \$18,034

Cum. Cost: \$18,034

Oct 17, 2012 Wednesday (Day 14)

RU Black Warrior wire line, RIH w/ 1' x 1 9/16" casing punch gun to packer and correlated to packer depth w/ CCL (CCL and tally within 2'), RIH to 6104' CCL kicked, moved over spot three times, CCL kicked on same spot indicating hole, hole located in middle of joint, set perf gun at 6104.5' and perforated casing w/ 4 shots, POOH and RD wire line, RU pump truck, pump down tubing (packer set 5957.67'), broke circulation with 8 bbls, established rate of 3 BPM at 800 psi, circulated 83 bbls fresh water, release and POOH w/ packer, RIH w/ CIBP and 184 jts tubing and set CIBP at 5957.67', pressure tested tubing to 2000 psi, good test, sting out and circulated tubing clean w/ 40 bbls, sting in and establish rate of 2.25 BPM at 550 psi, RD and release pump truck, CWIFN.

Daily Cost:

Cum. Cost: \$18,034

Accepted for Record Only

30-025-22932 (SWO)

State 27 # 2

P-27-14-32

6601S - 6601E

HOBBS OCD

NOV 14 2013

CrownQuest
DAILY OPERATIONS REPORT

State 27 # 2

Printed Oct 31, 2012 Page 3 of 4

RECEIVED

State 27 # 2

Lea Co., NM

Property#: 200996-02

Zone: 1 Field: Tulk

Oct 18, 2012 Thursday (Day 15)

RU Rising Start cementers, held safety meeting, pressure tested lines and manifold, put 500 psi on 5 1/2" casing, lost pressure due to leak in manifold, pumped fresh water spacer and broke circulation with 15 bbls at rate of 3 BPM at 700 psi, pumped 20 bbls treated water, started lead cement 200 sax Class C 50/50/10 11.8#, 3 BPM @ 700 psi, pressure dropped at the end of lead cement to 4 BPM @ 200 psi; started tail 100 sax Class C neat 14.8#, 3.5 BPM @ 200 psi, shut down to wash and flush lines to pit, started 34 bbl displacement at 2 BPM @ 50 psi, after 32 bbls displacement (1 BPM @ 300 psi) shut intermediate valve, displaced 1 bbl (1 BPM @ 600 psi), shut down and sting out of CIGR, pulled 1 stand tubing, leaving 1 bbl cement on retainer, reversed out 45 bbls water and 1 bbl cement, RD and release cementers, POOH w/ 184 jts tubing and stinger, shut BOP and CWIFN.

Rising Star Services: \$14,199.92

Lea County Packers: \$2000

Choctaw #9: \$1834.00

Daily Cost:

Cum. Cost: \$18,034

Oct 19, 2012 Friday (Day 16)

RIH w/ 4 3/4" mill tooth bit, bit sub, 6 -3.5" drill collars, 177 jts tubing, tagged cement at 5913', top of retainer at 5955', 42' cement on retainer, POOH w/ 2 stands, RU stripping head and reverse unit, CWIFN.

Daily Cost:

Cum. Cost: \$18,034

Oct 22, 2012 Monday (Day 17)

RIH w/ 2 stands, 177 JIW, tagged at 5913', drilled out 42' cement to CIGR at 5955', hydraulic filters plugged up on swivel, replaced and drilled out retainer in 3 hours and 17' cement below retainer, drilled out total of 59' cement, CWIFN.

Daily Cost:

Cum. Cost: \$18,034

Oct 23, 2012 Tuesday (Day 18)

RIH w/ 2 stands tagged at 5972', drilled out 138' cement to 6110', fell through and circulated clean to CIBP at 6225', pressure tested casing to 500 psi for 30 min, pressure held, RIH and tagged CIBP drilled out in 3 hrs, RIH and tagged at 9807', 143' fill above PBTD, 85' fill above perms, POOH w/ 14 jts, CWIFN.

Daily Cost:

Cum. Cost: \$18,034

Oct 24, 2012 Wednesday (Day 19)

RIH w/ 14 jts, drilled and circulated heavy scale out of well 9807' to 9924', 26' from CIBP, circulate clean, rig broke down for 4 hours due to mechanical problems, POOH w/ 20 jts started laying work string down, CWIFN.

Daily Cost:

Cum. Cost: \$18,034

Oct 25, 2012 Thursday (Day 20)

POOH and laid down 314 jts work string tubing, moved off racks, racked and tallied Salta IPC, CWIFN.

Daily Cost:

Cum. Cost: \$18,034

Oct 26, 2012 Friday (Day 21)

Pick up 5 1/2" lock set packer, RU Monk Tubing testers, RIH with 2 jts, could not get cups to seal on hydro tester, RD and release testers, TIH w/ 127 jts 2 3/8" Salta lined tubing and 26 jts new 2 3/8" IPC off the rack, laid down 71 jts 2 3/8" and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN.

Daily Cost:

Cum. Cost: \$18,034

Accepted for Record Only

30-025-22932 (SWD)
State 27#2
P-27-145-32E
6601S-6601E

HOBBS OCD

NOV 14 2013

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CrownQuest
DAILY OPERATIONS REPORT

State 27 # 2

Printed Oct 31, 2012 Page 4 of 4

State 27 # 2

Lea Co., NM

Property#: 200996-02

Zone: 1 Field: Tulk

Oct 29, 2012 Monday (Day 22)

Double R Pipe delivered new IPC tubing, TIH w/ 46 jts 2 3/8" IPC, Salta xover 82 jts 2 7/8" Salta lined tubing, and 26 jts 2 7/8" new IPC, set packer at 9699', loaded casing w/ 13 bbl fresh water, pressure tested to 500 psi, tested good, release on/off tool, CWIFN.

Daily Cost:

Cum. Cost: \$18,034

Oct 30, 2012 Tuesday (Day 23)

RU pump truck to tubing, treated water w/ packer fluid, pumped and circulated 230 bbls water to steel pit, latched on/off tool onto packer, ND BOP, NU WH, set up chart recorder, pressure tested casing to 530 psi, held for 35 min, good test, replaced 2 7/8" injection valve, pumped into tubing 1.5 BPM @ 100 psi, 16 bbls in, 1.5 BPM @ 1200 psi, 42 bbls in, RD and release pump truck, RD MO PU to Fed. 6 -2J. Final Report.

Daily Cost:

Cum. Cost: \$18,034

Accepted for Record Only

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form No. 1
Revised 1-1-68

State of New Mexico	STATE <input checked="" type="checkbox"/> NEW MEXICO
Lease No.	L-522
Unit Agreement Name	
Form of Lease Name	State 27
Well No.	2
Field and Loc., or Wellcat	Undes. Tulk Penn
County	Lea
Proposed Depth	10,000
Formation	Penn
Rotary or S.S.	Rotary
Elevations (Show whether DF, RT, etc.)	4302 GR
Kind & Status Plug. Bend	Blanket
Drilling Completion	Contract Not Let
Work will start	12/31/68

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>
b. Type of Well	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator	Coastal States Gas Producing Company
3. Address of Operator	c/o Oil Reports & Gas Services, Box 763, Hobbs, New Mexico
4. Location of Well	UNIT LETTER <u>P</u> LOCATED <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>27</u> TAP. <u>14 S</u> - <u>32 E</u> N-1/4
5. Elevations (Show whether DF, RT, etc.)	4302 GR
6. Kind & Status Plug. Bend	Blanket
7. Drilling Completion	Contract Not Let
8. Work will start	12/31/68

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	48#	350	350	Circ
11	8 5/8	24# & 32#	1100	300	3000
7 7/8	5 1/2	15.5# & 17#	10,000	200	9200

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE PRESENT PRODUCTION ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed H. L. Smith Title Agent Date 12/23/68

(This space for State Use)

APPROVED BY John W. Ryan TITLE Agent DATE DEC 24 1968

CONDITIONS OF APPROVAL, IF ANY:

7015 0640 0003 0232 4357

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CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at www.usps.com	
SANTA FE, NM 87504	
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Postage	\$1.82
Total Postage and Fees	\$5.17
Extra Services & Fees (check box, add fee if appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Sent To	NM State Land Office
Street and Apt. No., or PO Box No.	P.O. Box 1148
City, State, ZIP+4®	Santa Fe, NM 87504
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

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Product Description	Sale Qty	Final Price
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Total		\$5.17
Credit Card Remitd (Card Name: AMEX) (Account #: XXXXXXXXXX2028) (Approval #: 527384) (Transaction #: 388)		\$5.17

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BEFORE THE OIL CONSERVATION
DIVISION
Santa Fe, New Mexico
Exhibit No. B
Submitted by: CROWNQUEST OPERATING, LLC
Hearing Date: July 20, 2017

Entered August 12, 1970
A.S.P.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 4389
Order No. R-4007

APPLICATION OF COASTAL STATES GAS
PRODUCING COMPANY FOR SALT WATER
DISPOSAL, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on August 5, 1970,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 12th day of August, 1970, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Coastal States Gas Producing Company,
is the owner and operator of the State "27" Well No. 2, located in
Unit P of Section 27, Township 14 South, Range 32 East, NMPM,
Tulk-Pennsylvanian Pool, Lea County, New Mexico.

(3) That the applicant proposes to utilize said well to
dispose of produced salt water into the Upper Pennsylvanian
formation, with injection into the perforated interval from
approximately 9789 feet to 9924 feet.

(4) That the injection should be accomplished through
2 3/8-inch plastic-lined tubing installed in a packer set at
approximately 9770 feet; that the casing-tubing annulus should
be filled with an inert fluid; and that a pressure gauge should

BEFORE THE OIL CONSERVATION
DIVISION

Santa Fe, New Mexico

Exhibit No. 2

Submitted by: CROWNQUEST OPERATING, LLC

Hearing Date: July 20, 2017

-2-

CASE No. 4389
Order No. R-4007

be attached to the annulus at the surface in order to determine leakage in the casing, tubing, or packer.

(5) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Coastal States Gas Producing Company, is hereby authorized to utilize its State "27" Well No. 2, located in Unit P of Section 27, Township 14 South, Range 32 East, NMPM, Tulk-Pennsylvanian Pool, Lea County, New Mexico, to dispose of produced salt water into the Upper Pennsylvanian formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 9770 feet, with injection into the perforated interval from approximately 9789 feet to 9924 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus at the surface in order to determine leakage in the casing, tubing, or packer.

(2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.


(3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


DAVID F. CARGO, Chairman


ALEX J. ARMIÑO, Member


A. L. PORTER, Jr., Member & Secretary

S E A L

esr/

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

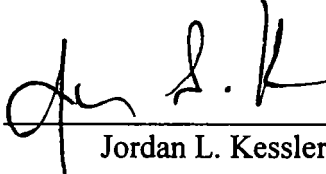
**APPLICATION OF CROWNQUEST OPERATING, LLC
TO REINSTATE THE INJECTION AUTHORIZED
BY ORDER No. R-4007, LEA COUNTY, NEW MEXICO.**

CASE NO. 15766

AFFIDAVIT

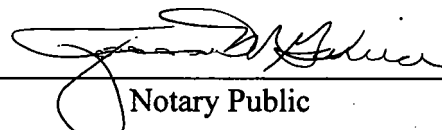
STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Jordan L. Kessler, attorney in fact and authorized representative of CrownQuest Operating, LLC the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Application has been provided under the notice letters and proof of receipts attached hereto.



Jordan L. Kessler

SUBSCRIBED AND SWORN to before me this 19th day of July, 2017 by Jordan L. Kessler.



Notary Public



**BEFORE THE OIL CONSERVATION
DIVISION
Santa Fe, New Mexico
Exhibit No. 3
Submitted by: CROWNQUEST OPERATING, LLC
Hearing Date: July 20, 2017**

HOLLAND & HART



Jordan L. Kessler
Associate
Phone (505) 988-4421
Fax (505) 983-6043
JLKessler@hollandhart.com

June 30, 2017

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: AFFECTED PARTIES

**Re: Application Of CrownQuest Operating, LLC. To Reinstate The Injection
Authorized By Order No. R-4007, Lea County, New Mexico.**

Ladies and Gentlemen:

This letter is to advise you that CrownQuest Operating, LLC has filed the enclosed application with the New Mexico Oil Conservation Division. This application has been set for hearing before a Division Examiner at 8:15 a.m. on July 20, 2017. The hearing will be held in Porter Hall in the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

Sincerely,

Jordan L. Kessler

ATTORNEYS FOR CROWNQUEST OPERATING, LLC

CrownQuest Operating State 27 SWD Well 2

NM State Land Office

Post Office Box 1148

Santa Fe, New Mexico 87504

7016 2070 0000 4815 4140

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 City, St Santa Fe, New Mexico 87504

PS Form 3800, April 2015 PSN 7530-02-000-9053 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION


■ Complete items 1, 2, and 3.
 ■ Print your name and address on the reverse so that we can return the card to you.
 ■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 NM State Land Office
 Post Office Box 1148
 Santa Fe, New Mexico 87504

9590 9402 2763 6351 3725 24

7016 2070 0000 4815 4140

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee
 X 
 B. Received by (Printed Name) C. Date of Delivery
 D. Is delivery address different from item 1? ☐ Yes
 If YES, enter delivery address below

3. Service Type
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☐ Adult Signature Restricted Delivery
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☐ Signature Confirmation™
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PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

State 26 COM #5					State 27 #2 SWD	Comments
Date	Oil	Gas	Water	Total Liquid	Monthly Inj	
Jan-92	269	1165	0	269		24 Month Avg Production Prior To Injection: 358 bbl
Feb-92	259	1001	58	317	-	
Mar-92	294	1174	118	412	-	
Apr-92	276	1231	66	342	-	
May-92	287	1159	31	318	-	
Jun-92	249	1196	56	305	-	
Jul-92	269	1164	60	329	-	
Aug-92	252	1114	93	345	-	
Sep-92	254	1108	90	344	-	
Oct-92	260	1107	116	376	-	
Nov-92	246	1008	81	327	-	
Dec-92	274	963	121	395	-	
Jan-93	257	992	87	344	-	24 Month Avg Production After Injection: 371 bbl
Feb-93	234	875	112	346	-	
Mar-93	306	872	92	398	-	
Apr-93	249	1010	116	365	-	
May-93	235	1048	124	359	-	
Jun-93	220	1099	120	340	-	
Jul-93	250	1061	124	374	-	
Aug-93	203	1045	120	323	-	
Sep-93	266	977	116	382	-	
Oct-93	297	1052	124	421	-	
Nov-93	327	898	116	443	-	
Dec-93	305	1018	124	429	-	
Jan-94	292	1013	124	416	4800	24 Month Avg Production After Injection: 371 bbl
Feb-94	246	895	112	358	4230	
Mar-94	284	953	116	400	4839	
Apr-94	249	997	123	372	4644	
May-94	293	1062	124	417	1800	
Jun-94	246	433	116	362	4539	
Jul-94	205	1087	124	329	4820	
Aug-94	250	1096	120	370	4686	
Sep-94	230	1013	116	346	4664	
Oct-94	271	1099	124	395	4849	
Nov-94	226	1019	120	346	4382	
Dec-94	280	1089	124	404	4846	
Jan-95	257	974	124	381	4860	
Feb-95	232	920	112	344	4376	
Mar-95	238	1075	124	362	4763	
Apr-95	243	1164	154	397	4700	
May-95	246	1225	124	370	4706	
Jun-95	217	1243	120	337	4681	
Jul-95	248	1295	124	372	4848	
Aug-95	219	1262	125	344	4818	
Sep-95	199	1181	150	349	4821	
Oct-95	236	924	116	352	4540	
Nov-95	223	855	150	373	4722	
Dec-95	242	1078	155	397	4591	
Jan-96	255	1073	155	410	4909	
Feb-96	217	1042	168	385	4438	
Mar-96	222	1104	181	403	4726	
Apr-96	240	1085	174	414	5536	
May-96	220	1189	349	569	9434	
Jun-96	219	1340	300	519	8669	
Jul-96	223	1329	310	533	14482	
Aug-96	238	242	310	548	16633	
Sep-96	236	930	250	486	14946	
Oct-96	223	1008	266	489	14656	
Nov-96	244	933	240	484	11954	
Dec-96	207	752	310	517	13429	Cumulative Water Produced at State 26 COM #5 only 2.6% of water injected for the last 53 months.
Jan-97	245	605	220	465	10506	
Feb-97	231	812	420	651	7414	
Mar-97	239	802	0	239	0	
Apr-97	225	706	450	675	12727	
May-97	206	705	485	691	11340	
Jun-97	204	735	355	559	8100	
Jul-97	193	708	152	345	6453	
Aug-97	191	608	264	455	5600	
Sep-97	202	701	154	356	5958	
Oct-97	216	710	91	307	6146	
Nov-97	155	659	87	242	6053	
Dec-97	187	677	53	240	5111	
Jan-98	207	701	55	262	6939	
Feb-98	185	633	44	229	6664	
Mar-98	193	717	134	327	6968	
Apr-98	208	774	146	354	6346	
May-98	239	816	155	394	6089	
Jun-98	228	790	157	385	0	
Jul-98	220	812	147	367	0	
Aug-98	235	805	142	377	0	
Sep-98	215	784	129	344	0	
Oct-98	167	788	153	320	0	
Nov-98	178	751	84	262	0	
Dec-98	228	760	66	294	0	
Jan-99	224	760	75	299	0	
Feb-99	174	722	66	240	0	
Mar-99	201	786	81	282	6301	
Apr-99	160	759	85	245	6643	
May-99	152	677	58	210	4472	
Jun-99	97	677	118	215	1454	

**BEFORE THE OIL CONSERVATION
DIVISION**

Santa Fe, New Mexico
Exhibit No. 4

Submitted by: CROWNQUEST OPERATING, LLC
Hearing Date: July 20, 2017

Jul-99	208	669	219	427	2682
Aug-99	112	767	69	181	931
Sep-99	153	703	69	222	934
Oct-99	184	726	68	252	2244
Nov-99	174	555	67	241	2047
Dec-99	148	531	67	215	1870
Jan-00	161	677	69	230	1798
Feb-00	159	564	67	226	2361
Mar-00	131	710	70	201	1711
Apr-00	198	633	67	265	2261
May-00	0	0	0	0	0
Jun-00	0	0	0	0	0
Jul-00	0	0	0	0	0
Aug-00	181	696	68	249	1991
Sep-00	160	674	68	228	1254
Oct-00	198	671	69	267	2024
Nov-00	161	700	68	229	918
Dec-00	71	697	41	112	968
Jan-01	51	806	0	51	915
Feb-01	0	680	0	0	854
Mar-01	0	741	0	0	916
Apr-01	211	684	165	376	2596
May-01	458	692	210	668	5736
Jun-01	249	639	150	399	4401
Jul-01	195	612	155	350	2670
Aug-01	166	561	370	536	2565
Sep-01	279	281	150	429	2188
Oct-01	182	392	115	297	2184
Nov-01	0	309	0	0	1950
Dec-01	0	2	0	0	2015
Jan-02	0	0	0	0	2150
Feb-02	0	0	0	0	1890
Mar-02	0	0	0	0	2170
Apr-02	191	48	245	436	2345
May-02	491	846	165	656	2270
Jun-02	281	796	120	401	2155
Jul-02	224	740	155	379	2260
Aug-02	204	600	155	359	2260
Sep-02	120	760	100	220	2135
Oct-02	0	875	0	0	2105
Nov-02	0	788	0	0	2035
Dec-02	0	784	0	0	2105
Jan-03	368	855	160	528	2265
Feb-03	327	667	140	467	2035
Mar-03	244	765	155	399	2260
Apr-03	204	742	150	354	2185
May-03	192	764	155	347	2260
Jun-03	101	823	90	191	1410
Jul-03	206	859	155	361	310
Aug-03	198	816	155	353	2375
Sep-03	190	707	150	340	2185
Oct-03	182	746	155	337	2260
Nov-03	166	722	150	316	2185
Dec-03	185	700	155	340	2260
Jan-04	153	791	155	308	2260
Feb-04	235	656	145	380	1655
Mar-04	193	761	155	348	1845
Apr-04	180	720	155	335	1878
May-04	166	747	155	321	1762
Jun-04	92	684	10	102	561
Jul-04	224	718	0	224	652
Aug-04	409	574	0	409	320
Sep-04	118	553	450	568	235
Oct-04	344	697	465	809	0
Nov-04	140	676	435	575	506
Dec-04	174	693	405	579	167
Jan-05	171	702	465	636	72
Feb-05	166	625	420	586	72
Mar-05	189	715	501	690	966
Apr-05	167	698	450	617	882
May-05	151	755	465	616	843
Jun-05	150	723	435	585	815
Jul-05	163	744	450	613	820
Aug-05	162	708	465	627	718
Sep-05	148	677	450	598	840
Oct-05	157	614	450	607	802
Nov-05	154	652	450	604	636
Dec-05	156	677	435	591	588
Jan-06	99	383	270	369	318
Feb-06	8	736	30	38	0
Mar-06	0	816	0	0	67
Apr-06	0	760	0	0	10
May-06	113	691	186	299	406
Jun-06	367	802	245	612	415
Jul-06	34	574	25	59	25
Aug-06	515	717	0	515	0
Sep-06	110	780	30	140	42
Oct-06	155	692	0	155	0
Nov-06	87	664	0	87	0
Dec-06	310	477	0	310	0
Jan-07	163	570	0	163	42
Feb-07	48	720	8	56	0

Mar-07	113	784	0	113	0
Apr-07	5	708	36	41	0
May-07	95	533	22	117	249
Jun-07	55	523	34	89	746
Jul-07	282	703	0	282	0
Aug-07	232	400	0	232	0
Sep-07	33	802	0	33	0
Oct-07	23	763	0	23	0
Nov-07	93	588	0	93	0
Dec-07	218	608	0	218	0
Jan-08	185	367	0	185	0
Feb-08	45	32	0	45	0
Mar-08	38	210	0	38	0
Apr-08	115	1246	489	604	0
May-08	248	744	94	342	0
Jun-08	10	722	7	17	0
Jul-08	179	626	94	273	0
Aug-08	230	567	263	493	1764
Sep-08	57	500	0	57	257
Oct-08	0	770	0	0	2583
Nov-08	81	567	104	185	1430
Dec-08	57	570	203	260	1333
Jan-09	453	728	498	951	1554
Feb-09	212	623	198	410	1098
Mar-09	116	741	220	336	3150
Apr-09	228	740	189	417	5177
May-09	169	716	174	343	5433
Jun-09	160	648	106	266	8950
Jul-09	163	685	245	408	4176
Aug-09	100	671	175	275	3537
Sep-09	100	640	191	291	5036
Oct-09	157	621	113	270	6031
Nov-09	154	566	157	311	5259
Dec-09	147	578	166	313	2717
Jan-10	174	557	276	450	1805
Feb-10	137	495	149	286	1079
Mar-10	144	601	159	303	1438
Apr-10	134	583	171	305	465
May-10	36	704	48	84	252
Jun-10	217	595	406	623	530
Jul-10	141	565	207	348	498
Aug-10	144	611	61	205	498
Sep-10	117	541	21	138	58
Oct-10	145	545	66	211	449
Nov-10	74	426	0	74	429
Dec-10	2	557	20	22	557
Jan-11	217	518	148	365	1532
Feb-11	137	534	403	540	1366
Mar-11	61	504	121	182	623
Apr-11	0	602	19	19	541
May-11	70	523	105	175	743
Jun-11	129	637	91	220	703
Jul-11	47	650	21	68	546
Aug-11	68	664	52	120	624
Sep-11	76	549	52	128	594
Oct-11	131	642	137	268	660
Nov-11	75	253	68	143	550
Dec-11	64	397	17	81	316
Jan-12	37	376	7	44	461
Feb-12	64	322	56	120	524
Mar-12	158	556	154	312	689
Apr-12	92	478	142	234	681
May-12	87	384	122	209	609
Jun-12	66	357	86	152	546
Jul-12	98	570	161	259	0
Aug-12	95	506	167	262	0
Sep-12	76	332	122	198	0
Oct-12	56	388	100	156	0
Nov-12	22	374	37	59	0
Dec-12	75	609	138	213	390
Jan-13	34	540	90	124	390
Feb-13	0	366	0	0	390
Mar-13	0	188	0	0	410
Apr-13	81	563	160	241	1150
May-13	6	633	10	16	1497
Jun-13	0	527	0	0	1055
Jul-13	84	569	438	522	1100
Aug-13	86	635	374	460	0
Sep-13	13	75	354	367	0
Oct-13	68	0	338	406	0
Nov-13	28	0	301	329	0
Dec-13	19	363	317	336	0
Jan-14	31	293	172	203	0
Feb-14	17	237	217	234	0
Mar-14	22	960	206	228	660
Apr-14	115	738	312	427	680
May-14	233	544	324	557	820
Jun-14	163	516	220	383	0
Jul-14	190	566	251	441	240
Aug-14	233	831	325	558	260
Sep-14	134	493	274	408	330
Oct-14	126	481	262	388	170

Nov-14	168	391	315	483	370	
Dec-14	59	427	325	384	170	
Jan-15	135	651	241	376	200	
Feb-15	149	707	277	426	0	
Mar-15	8	42	42	50	0	
Apr-15	0	3	0	0	0	
May-15	0	0	0	0	47	
Jun-15	171	695	0	171	0	
Jul-15	161	1061	270	431	0	
Aug-15	190	1176	235	425	0	
Sep-15	1	694	5	6	0	
Oct-15	0	861	0	0	0	
Nov-15	0	580	0	0	0	
Dec-15	42	489	218	260	0	
Jan-16	144	571	301	445	0	
Feb-16	61	361	257	318	0	
	Total Bbls Since First Injection		39910		587870	Cumalitive Water Production 7 % of Water Injected for the life of Injection well.

