

**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~~ LEA COUNTY, NEW MEXICO**

Case No 15766

APPLICATION

CrownQuest Operating, LLC ("CrownQuest") by and through its undersigned attorneys, seeks an order reinstating the injection authorized by Order No R-4007. In support of this application, CrownQuest states

1 CrownQuest Operating, LLC (OGRID 213190) is the lessee of a state lease underlying the SE/4 SE/4 (Unit P) of Section 27, Township 14 South, Range 32 East in Lea County, New Mexico

2 In 1970, the Oil Conservation Commission issued Order R-4007, authorizing the injection of produced water into the Upper Pennsylvanian formation from approximately 9,789 feet to 9,924 feet through the State "27" Well No 2 (API No 30 025-22932) disposal well

3 Inflow Petroleum Resources, LP operated the well operated the State "27" Well No 2 injection well pursuant to this authority for until 2008 at which time a Change of Operator form was approved by the Division, authorizing CrownQuest Operating, LLC to take over injection. CrownQuest operating the State "27" Well No 2 until 2015

4 On June 30 2016, the Division notified CrownQuest that Order No R-4007 had expired due to CrownQuest's failure to continually inject over a one year period of time, pursuant to NMAC 19 15 26 12 C

5 CrownQuest s initially ceased injection due to a shut in order from the Division on July 14, 2015, related to the State “27” Well No 2’s failure of a mechanical integrity test See **Exhibit A**. The failure was due to a problem with test procedure not a mechanical problem with the well. See **Exhibit A**. A retest was scheduled and the State “27” Well No 2 passed the mechanical integrity test on December 21 2015. The State “27” Well No 2 also passed mechanical integrity tests in April of 2016 and March of 2017.

6 In accordance with the Division s notification, CrownQuest submitted a Form C-108 for authority to reinstate permit Order No R-4007. Included with this application is fully completed Form C-108 **Exhibit B**.

7 The granting of this application will prevent waste and protect correlative rights.

WHEREFORE CrownQuest Operating, LLC requests that the Division set this matter for hearing before an Examiner of the Oil Conservation Division on July 20, 2017, and that after notice and hearing enter an order reinstating the injection authority authorized by Order No R-4007.

Respectfully submitted,

HOLLAND & HART LLP

By 

Michael H. Feldewert
Jordan L. Kessler
Post Office Box 2208
Santa Fe, New Mexico 87504-2208
(505) 988-4421
(505) 983-6043 Facsimile
mfeldewert@hollandhart.com
jlkessler@hollandhart.com

ATTORNEYS FOR CROWNQUEST OPERATING, LLC

Case No 15766 **Application Of CrownQuest Operating, LLC To Reinstate The Injection Authorized By Order No R-4007, Lea County, New Mexico**
Applicant seeks an order re approving injection authority pursuant to Order No R 4007 issued in 1970 Order No R-4007 authorized the disposal of produced water into the Upper Pennsylvanian formation from approximately ~~Upper Pennsylvanian formation from approximately~~ 9,789 feet to 9,924 feet through the State "27" Well No 2 (API No 30-025 22932) located in the SE/4 SE/4 (Unit P) of Section 27, Township 14 South, Range 32 East, in Lea County, New Mexico That authority expired on June 30, 2016, due to inactivity associated with a requirement to re-perform a mechanical integrity test, which is now completed Said well is located approximately 7 5 miles northwest of Lovington, New Mexico

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F Woods Ph D
Deputy Cabinet Secretary

David Catanach, Director
Oil Conservation Division



Response Required Deadline Enclosed

*Underground Injection Control Program
Protects the Under and Surface of Drinking Water*

14 Jul 15

CROWNQUEST OPERATING LLC
P O BOX 53310
MIDLAND TX 79710

**LETTER OF VIOLATION and SHUT IN DIRECTIVE
Failed Mechanical Integrity Test**

Dear Operator

The following test(s) were performed on the listed dates on the following well(s) shown below in the test detail section

The test(s) indicates that the well or wells failed to meet mechanical integrity standards of the New Mexico Oil Conservation Division. To comply with guidelines established by the U S Environmental Protection Agency the well(s) must be shut in immediately until it is successfully repaired. The test detail section which follows indicates preliminary findings and/or probable causes of the failure. This determination is based on a test of your well or facility by an inspector employed by the Oil Conservation Division. Additional testing during the repair operation may be necessary to properly identify the nature of the well failure.

Please notify the proper district office of the Division at least 48 hours prior to the date and time that the well(s) will be retested so the test may be witnessed by a field representative.

MECHANICAL INTEGRITY TEST DETAIL SECTION

STATE 27 No 002		30 025 22932 00 00	
		P 27 14S 32E	
	Active Salt Water Disposal Well		
Test Date	7/13/2015	Permitted Injection ISI	Actual PSI
Test Reason	Annual IMIT	Test Result F	Repair Due 10/16/2015
Test Type	Bradenhead Test	FAIL TYPE Equipment Specify in Co	FAIL CAUSE
Comments on MIT	All bradenhead valves were open at test time. Test procedure requires valves to be shut in for a 24 hour period prior to conducting BHT. Well should be shut in until a retest can be scheduled.		

JUL 15 2015

In the event that a satisfactory response is not received to this letter of direction by the Repair Due date shown above or if the well(s) are not immediately shut in further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well.

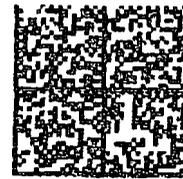
Sincerely,


Compliance Officer

Hobbs OCD District Office

Note: Pressure Tests are performed prior to initial injection, after repairs and otherwise every 5 years. Bradhead Tests are performed annually. Information in Detail Section comes directly from field inspector data entries; not all blanks will contain data. Failure Type and Failure Cause and any Comments are not to be interpreted as a diagnosis of the condition of the wellbore. Additional testing should be conducted by the operator to accurately determine the nature of the actual failure. * Significant Non-Compliance events are reported directly to the EPA Region VI Dallas, Texas.

**EMNRD
OIL CONSERVATION DIVISION
1625 N FRENCH DRIVE
HOBBS NM 88240**



015H14150977
\$0 48
07/14/15
Mailed From 88240

US POSTAGE

**CROWNQUEST OPERATING, LLC
BO BOX 53310
MIDLAND, TX 79710**

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

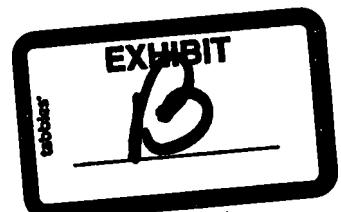
- 1 C 108 Front and Back
- 2 ½ Mile Radius Map identifying the AOR
- 3 Spreadsheet showing wells within ½ mile radius and list of form provided for OCD s review
- 4 Supplemental data listing current operation
- 5 Geologic Data
- 6 Log has been previously filed with the Division
- 7 Chemical Analysis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

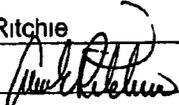
 5-19-17

Ann Ritchie
CrownQuest Operating LLC
ann_wtor@gmail.com
432 684 6381 office
432 682 1458 fax



Case 15766

APPLICATION FOR AUTHORIZATION TO INJECT

- I PURPOSE Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? 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 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 know ledge 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 _____

Side 2

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 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)

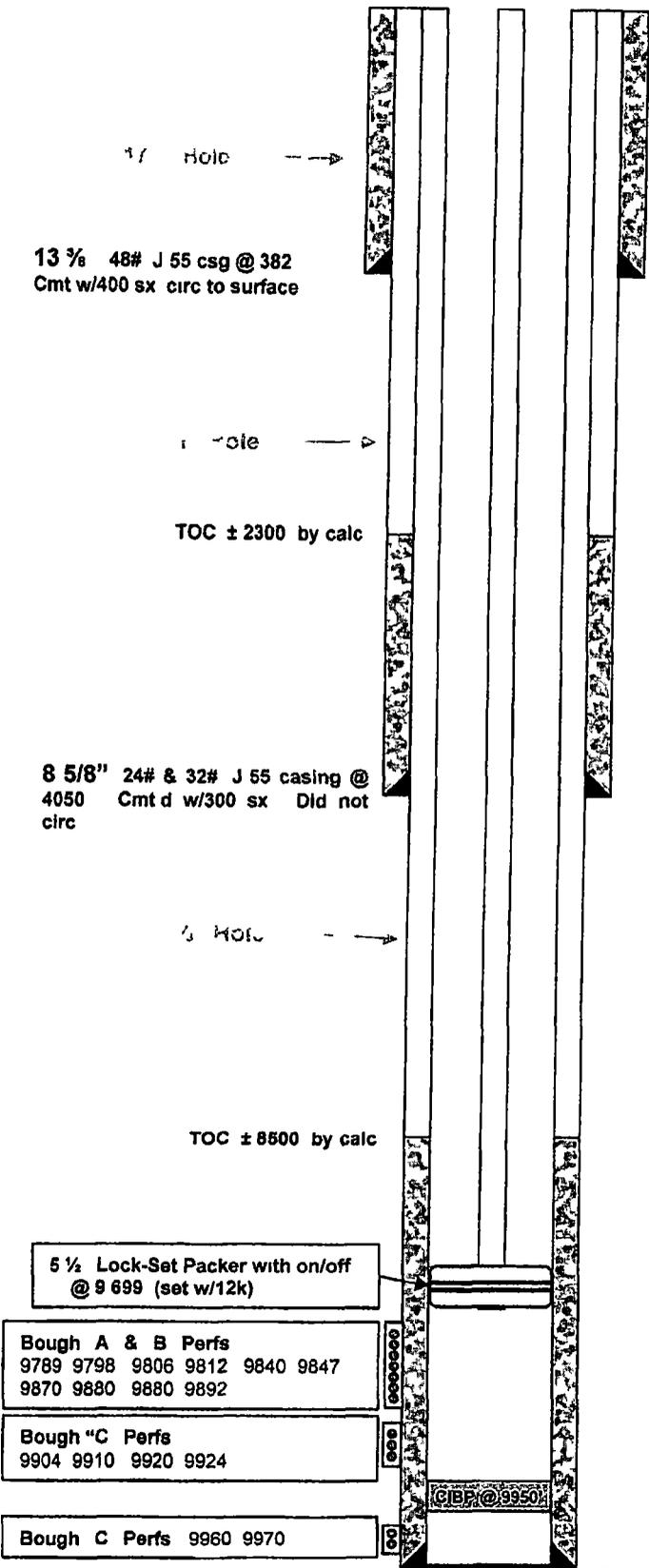
4 Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail i.e. sacks of cement or plug(s) used No

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 #30-026 22932



13 7/8 48# J 55 csg @ 382
Cmt w/400 sx circ to surface

Hole
TOC ± 2300 by calc

8 5/8" 24# & 32# J 55 casing @
4050 Cmt d w/300 sx Did not
circ

5 1/2 Hole
TOC ± 8600 by calc

5 1/2 Lock-Set Packer with on/off
@ 9 699 (set w/12k)

Bough A & B Perfs
9789 9798 9806 9812 9840 9847
9870 9880 9880 9892

Bough "C" Perfs
9904 9910 9920 9924

Bough C Perfs 9960 9970

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 5 1/2 Lock-Set Pkr w/ on off tool	4 78
Bottom of Tubing	9694 22

TD 10 009
PBD 9950

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

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 Santa Fe NM 87505

State of New Mexico
 Energy Minerals and Natural Resources

Form C 103
 May 27, 2004

RECEIVED
SEP 18 2008
HOBBS, NM

OIL CONSERVATION DIVISION

1220 South St Francis Dr
 Santa Fe NM 87505

WELL API NO 30-025-22932 ✓
5 Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
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 Tulok (Penn) SWD, Penn

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 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 \MPM County Lea ✓

11 Elevation (Show whether DR RKB RI 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 _____ mul 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 <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/>		SUBSEQUENT REPORT OF REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>	
OTHER <input type="checkbox"/>		OTHER Replace Tbg & Pkr, Acidize <input checked="" 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

8/20/08 to 8/26/08 - POH w/in action tbg & pkr
 8/27/08 - RIH w/4 3/4 bit & scraper to 9835 @ top of junk previously left in hole (old inj pkr) POH RIH w/4 3/4 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 injector pkr
 9/5/08 - RIH w/treating pkr & workstring Set pkr @ 9687 Treat berfs @ 9879 -9924 with 500 gals xylene & 5000 gals 20% NeFe acid @ 8 @ BPM 4400 ISIP 800# 15 mir 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 in action pkr 2 3/4 & 2 1/2 IPC tbg Circ pkr fluid and set pkr @ 9712 w/12K tension
 9/11/08 - Test annulus @ 500 psi for 30 mir 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 NMOCD guidelines a general permit or an (attached) alternative OCD-approved plan

SIGNATURE Don Rogers TITLE Mgr Special Projects DATE 9/12/08
 Type or print name Don Rogers E mail address drogers@crowquest.com Telephone No (432) 8-8-0307
For State Use Only **OC FIELD REPRESENTATIVE / STAFF MANAGER** **SEP 23 2008**
 APPROVED BY [Signature] 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 5-19-17

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 _____



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	35	\$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	Sample Information
CrownQuest Operating LLC	Lease/Well State 22/2
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)	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		Lease/Well	Windmill/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)	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

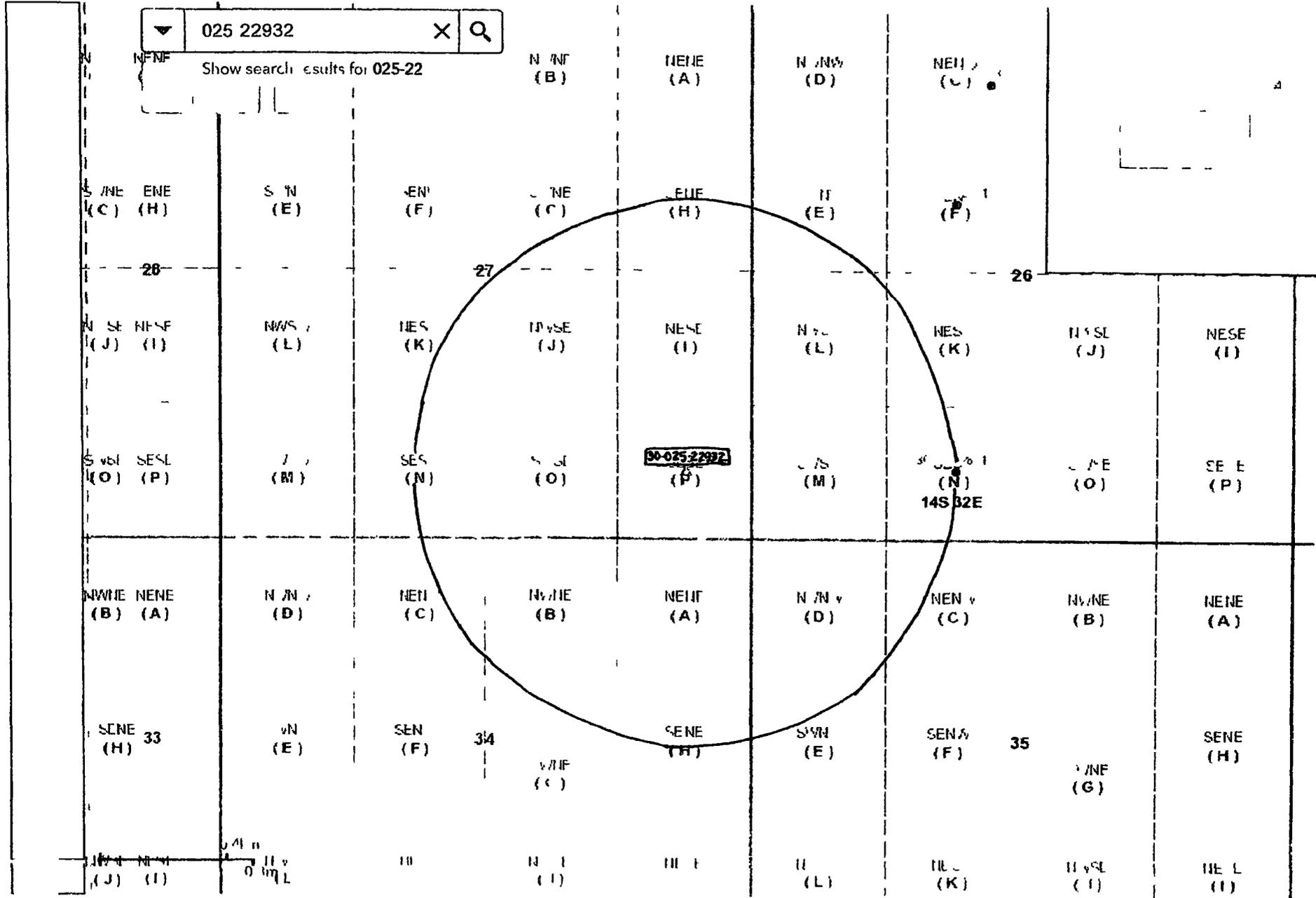
Comments

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



▼ 025 22932 X Q

Show search results for 025-22



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

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 oil or gas well. It shall be completed by a copy of all electrical and radio-activity logs on the well and a summary of all special tests conducted including drill stem tests. Additional reported shall be measured depths in the case of directionally drilled wells true vertical depths shall also be reported. For multiple completions 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state lands 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 Anhe <u>1507</u>	T Canyon	T Ojo Alamo	T Penn. B
T Salt	T Sawn	T Kirtland Rustland	T Penn. C
T Salt	T Atoka	T Fractured Cliffs	T Penn. D
T Yates <u>25-8</u>	T Voss	T Cliff House	T Leadville
T Raders	T Devonian	T Menefé	T Madison
T Queen <u>34-3</u>	T Silurian	T Point Lookout	T Elbert
T Greburg	T Montoya	T Mancos	T McCracken
T San Andres <u>40-3</u>	T Simpson	T Gallup	T Ignacio Qtzite
T Glorieta	T McKee	Base Georgetown	T Granite
T Paddock	T Eilenburger	T Dakota	T
T Blinbery	T G Wash	T Morrison	T
T Tubb <u>6002</u>	T Granite	T Todilite	T
T Driskard	T Deawee Sand	T Entrada	T
T Abo <u>610</u>	T Bone Springs	T Wingate	T
T Wolfcamp <u>5928</u>	T	T Chinle	T
T Penn <u>9537</u>	T	T Permian	T
T Caco Bough C <u>95-9</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 SAIDS

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 At each additional strata (if necessary)

From	To	Formation	From	To	Formation
0	400	Surface sand			
400	1507	1107			Red-beas shale
1507	4073	2566			Sand color, white
4073	6582	2809			Dolomite
6582	7610	7281			Sand dolomite shale
7610	8926	1313			Shale dolomite
8926	9537	009			Shale lime
9537	TD	-63			Lime

RECEIVED
 JUL 4 1984
 O.C.D.
 HUBBS OFFICE

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

State of New Mexico
Energy Minerals & Natural Resources

Form C 104
Revised Feb 26 2007

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

Submit to Appropriate District Office
5 Copies

L REQUEST FOR RECEIPT AND AUTHORIZATION TO TRANSPORT

AMENDED REPORT

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 Tulk (Penn)	⁶ Pool Code 60380	
⁷ Property Code 302609	⁸ Property Name State "26" Com	⁹ Well Number 5

RECEIVED
JUN 21 2008
HOBBS OCD

II ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	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 Lse Code P	¹³ Production 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	0

IV Well Completion Data

²¹ Spud Date	²² Ready Date BOP- 5 20-08	²³ TD 10 000	²⁴ PBDT 9855	²⁵ Perforations 9806-81	²⁶ DHC MC
⁷ 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*

Title: DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date: JUL 15 2008

Submit 3 Copies To Appropriate District Office

State of New Mexico Energy Minerals and Natural Resources

Form C 103 May 27 2004

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

RECEIVED SEP 16 2009 HOBBSD

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

WELL API NO 30-025-28612
5 Indicate Type of Lease STATE [X] FEE []
6 State Oil & Gas Lease No L-521
7 Lease Name or Unit Agreement Name State "26" Com
8 Well Number 5
9 OGRID Number 213190
10 Pool name or Wildcat Tulk (Penn)

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 [X] Gas Well [] Other []
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 N 660' feet from the South line and 1900' feet from the West line
Section 26 Township 14S Range 32E NMPM County Lea
11 Elevation (Show whether DR RKB RT GR etc) 4282 8' GL
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 _____ mll 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 [X] 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 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 tbg 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 tbg 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 9/1-/09
drogers@crowquest.com (432)818-0307
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

Form C 141
Revised October 10 2003

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

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

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 Prop # 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	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 ENGR District Supervisor <i>Staffrey Lebrun</i>
Title	Foreman	Approval Date	05/19/09
E mail Address	kcrabtree@crowquest.com	Expiration Date	07/20/09
Date	05/19/09	Conditions of Approval	FINAL C-141BY
Phone	432 556 0770	IRP-09 5 2188	

FGRL0914235385

SWD, PENN (94113)

Prop # 302610

RECEIVED

MAY 19 2009

HOBBSDUD

District I
1625 N Trench Dr Hobbs, NM 88240
District II
1301 W Grand Avenue Artesia NM 88210
District III
1000 Rio Brizos Road 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 141
Revised October 10 2003

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

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 Report

OPERATOR		<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> 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 #1 #30 025-22932 00 66

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 ENR District Supervisor <i>Steffrey Johnson</i>	
Title Foreman	Approval Date 05/19/09	Expiration Date 07/20/09	
E mail Address kcrabtree@crowquest.com	Conditions of Approval FINAL C-141BY		
Date 05/19/09	Phone 432 556 0770	IRP-09 5 2188	

FGRL0914235385

RECEIVED

MAY 19 2009

HOBBSOCD

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

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 bbis at rate of 3 BPM at 700 psi pumped 20 bbis 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 bbis displacement (1 BPM @ 300 psi) shut intermediate valve displaced 1 bbl (1 BPM @ 600 psi) shut down and sting out of CICR pulled 1 stand tubing leaving 1 bbl cement on retainer reversed out 45 bbis 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 CICR 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 PBD 85 fill above perfs 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

COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
USGS	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

L-522
State 27
2
Unders. Turk Penn
Lea
10,000 Penn Rotary
1302 GR Blanket Contract Not Let 12/31/68

APPLICATION FOR PERMIT TO DRILL DEEPEN, OR PLUG BACK

1a Type of Work
 b Type of Well DRILL DEEPEN PLUG BACK
 OIL WELL GAS WELL OTHER TIE LINE

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
 LETTER **P** SECTION **660** RANGE **South**
 TOWNSHIP **660** RANGE FROM **East** SECTION **27** RANGE **14 S** SECTION **32 E**

5 (Show whether DEEPEN, etc.)
1302 GR

6 (Blanket or Contract Not Let)
Blanket Contract Not Let

7 (Date)
12/31/68

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	49#	350	350	6100
11	8 5/8	24# & 32#	4100	300	3000
7 7/8	5 1/2	15.5# & 17#	10,000	200	9200

13 3/8

3-24-68

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM AND DEPTH OF ZONE TO BE DRILLED IF ANY

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

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

(This space for State Use)

APPROVED BY John W. Ryan TITLE _____ DATE DEL 24 1968

CONDITIONS OF APPROVAL IF ANY _____