# **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

#### **<u>Re: Application for Authorization to Inject</u>**

**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 <u>Case #4389</u> and <u>Hearing #R-4007</u>, 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, Juliko 5-19-17

Ann Ritchle CrownQuest Operating, LLC <u>ann.wtor@gmail.com</u> 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 STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505 FORM C-108 Revised June 10, 2003

APPLICATION FOR	AUTHORIZATION TO INJECT
WIT DICHTION LOW	AVIIIVALEMININ IVINJEA I

I.	PURPOSE: X Secondary Recovery Application qualifies for administrative approval?	Pressure M	Maintenance	Disposal Jo	Storage
II.	OPERATOR: CrownQuest Operating, LLC (2131	90) 🖌		······	
	ADDRESS: P.O. Box 53310, Midland, Texas 797	10			
	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. Ritch	hie	TITLE:	Regulatory	,
SIGNATURE:	whichur	· ·	_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

#### 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.

## **INJECTION WELL DATA SHEET**

OPERATOR: CrownQuest Operating, LLC (213190)

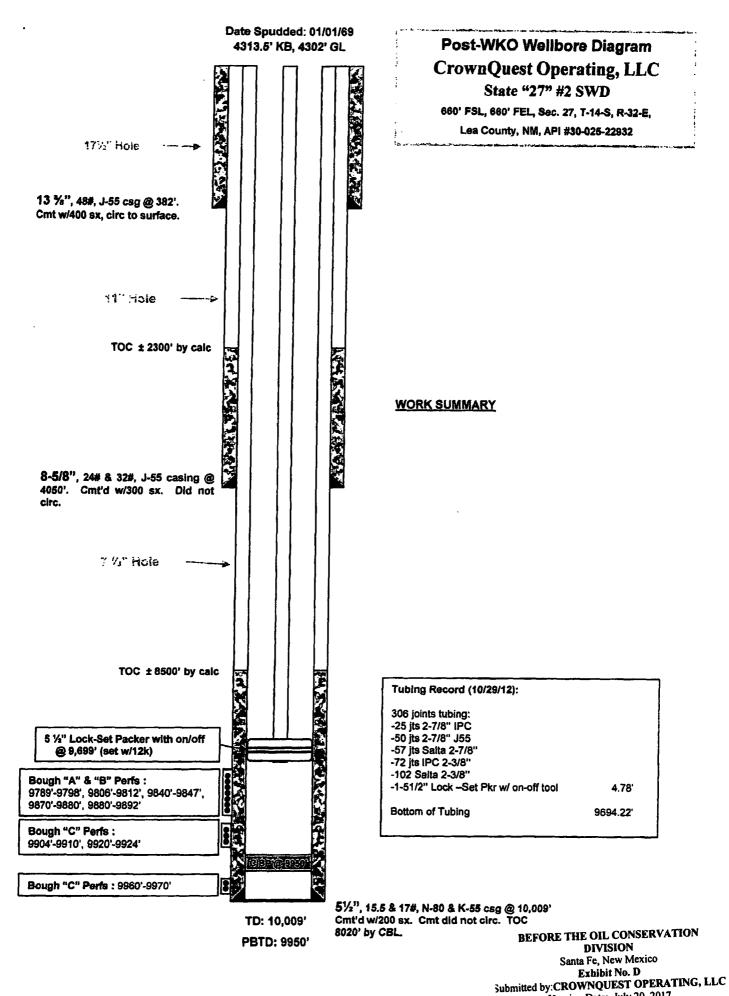
## WELL NAME & NUMBER: \_\_\_\_\_\_State "27" #2 SWD

WELL LOCATION:	660' FSL & 660' FEL	Р	27	145	32E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
<u>WEI</u>	LLBORE SCHEMATIC		<u>WELL CC</u> Surface C	DNSTRUCTION DATA Casing	•
		Hole Size: 17	-1/2"	Casing Size: 13-3/	8"
· · ·		Cemented with:	<u>400</u> sx.	or	ft³
	· ·	Top of Cement:	0'	Method Determined:	circulation
			Intermediat	te Casing	
		Hole Size:1	1"	Casing Size: 8-5	/8"
		Cemented with:	<u>300</u> sx.	or	ft <sup>3</sup>
		Top of Cement:	2300'	Method Determined:	calculation
			Production	n Casing	
· · · · · · · · · · · · · · · · · · ·		Hole Size: 7-	7/8"	Casing Size: 5-	1/2"
	•	Cemented with:	<u>200</u> sx.	or	ft <sup>3</sup>
		Top of Cement:	8020'	Method Determined:	CBL
		Total Depth: 10	0,009'		
			Injection	Interval	
			<u>9789</u> fee	t to9970'	perforated
			(Perforated or Open H	iole; indicate which)	

Side 1

## **INJECTION WELL DATA SHEET**

Tubi	ing Size: 27/8" Lining Material:
Тур	e of Packer:Lock-Set Packer
Pac	ker Setting Depth:9,699'
Oth	er Type of Tubing/Casing Seal (if applicable):
	Additional Data
1.	Is this a new well drilled for injection?YesNo
	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): <u>SWD;PENN (96113)</u>
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
5.	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:



Hearing Date: July 20, 2017

Submit 3 Copies To Appropriate District State of New Mexico	Form C-103
Office District 1	May 27, 2004
1625 N French Dr., Harris WMB82 C	WELL API NO. 30-025-22932
1301 W. Grand Avc., Artesia, NM 88210 OIL CONSERVATION DIVISION District III District II District II District II District II District III District II District	5. Indicate Type of Lease
1000 Rio Brazos Rd, Azich martalp O COOO	STATE FEE
1220 S St. Francis-Ir., Senta BIDA C	6. State Oil & Gas Lease No. L-522
87505 SUNDRY NOTICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Mare
(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	State "27"
PROPOSALS) 1. Type of Well: Oil Well Gas Well Other SWD Well	8. Well Number 2-SWD
2. Name of Operator	9. OGRID Number
CrownQuest Operating, LLC 3. Address of Operator	213190
303 Veterans Arprk Ln, Ste 5100 Midland, TX 79710	· · · · · · · · · · · · · · · · · · ·
4. Well Location	Turk (remi) SIDIS, Tervi
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 typeDepth to GroundwaterDistance from nearest fresh water wellDi	stance from nearest surface water
Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; C	
12. Check Appropriate Box to Indicate Nature of Notice	Report or Other Data
	SEQUENT REPORT OF:
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DF PULL OR ALTER CASING MULTIPLE COMPL CASING/CEMEN	ILLING OPNS. P AND A
)	-
OTHER: OTHER: Completed operations. (Clearly state all pertinent details, and a state all pertinent details, and a state all pertinent details, and a state all pertinent details.	ace Tbg & Pkr, Acidize
of starting any proposed work). SEE RULE 1103. For Multiple Completions: A	
or recompletion.	
8/20/08 to 8/26/08 - POH w/injection tbg & pkr.	
8/27/08 - RIH w/44" bit & scraper to 9835' & top of junk	previously left in hole
(old inj pkr). POH. RIH w/44" 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 @ 968	7'. Treat perfs @
9879'-9924' with 500 gals xylene & 5000 gals 20% NeFe a	
800#, 15 min 270#.	
9/8/08 - Well on vacuum. Release pkr and POH w/pkr and 9/9/08 to 9/10/08 - RIH w/new 54" Lock-Set injection pkr	
pkr fluid and set pkr @ 9712' w/12K tension.	
9/11/08 - Test annulus @ 500 psi for 30 min. Tested goo	1.
(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 grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit []	e and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan .
grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit	or an (attached) alternative OCD-approved plan 🗔.
grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] SIGNATURE	or an (attached) alternative OCD-approved plan []. Projects DATE 9/12/08
grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] SIGNATURE	or an (attached) alternative OCD-approved plan []. Projects DATE 9/12/08

\_TITLE\_

\_DATE\_\_\_\_

<u>For State Use Only</u>	a an du
APPROVED BY:	Came M. Hell
Conditions of Approva	l (if any):

....

.

\*bb #L (11 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.

5-17-17 Date:\_\_\_\_7

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 OII 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		Sample Information	1	
CrownQuest O	perating, LLC	Lease/Well:	State 22/2	
County:	Lea			
		Sample Point:	Well Head	
		Date Sampled:	04/03/2017	
Rep:	Michael McNeil	Date Reported:	04/03/2017	

#### Resuits

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

### Anions

lon	Concentration(mg/L)
Chlorides (as Cl)	52900
Sulfate (as SO4)	2550
Carbonate (as CO3)	0
Bicarbonates (as HCO3)	537
Sulfide (as S2-)	16

### Other Measurements

Measurement	Value
ρΗ	7.14
SG	1.0575
Turbidity	350
CO2	
Total Dissolved Solids	85188.000

## Scaling Indices

Temp(F)	CaCO <sub>3</sub>	CaSO4*2H2O	CaSO <sub>4</sub>	BaSO <sub>4</sub>
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 Informatio	1	
CrownQuest C	perating, LLC	Lease/Weil:	North Line/1	
County:	Lea			
		Sample Point:	Well Head	
		Date Sampled:	04/03/2017	
Rep:	Michael McNeil	Date Reported:	04/03/2017	Í

#### Results

.

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

#### Anions

lon	Concentration(mg/L)
Chlorides (as Cl)	64
Sulfate (as SO4)	30
Carbonate (as CO3)	0
Bicarbonates (as HCO3)	232
Sulfide (as S2-)	0

## Other Measurements

Measurement	Value
pН	8.34
SG	1.0000
Turbidity	3
CO2	
Total Dissolved Solids	405.000

#### Scaling Indices

Temp(F)	CaCO <sub>3</sub>	CaSO4*2H2O	CaSO <sub>4</sub>	BaSO <sub>4</sub>
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 Informatio	n	
CrownQuest O	perating, LLC	Lease/Well:	Windmill/1	
County:	Lea			
-		Sample Point:	Well Head	
		Date Sampled:	04/03/2017	
Rep:	Michael McNeil	Date Reported:	04/03/2017	

#### Results

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

#### Anions

lon	Concentration(mg/L)
Chlorides (as Cl)	90
Sulfate (as SO4)	60
Carbonate (as CO3)	0
Bicarbonates (as HCO3)	207
Sullide (as S2-)	0

## **Other Measurements**

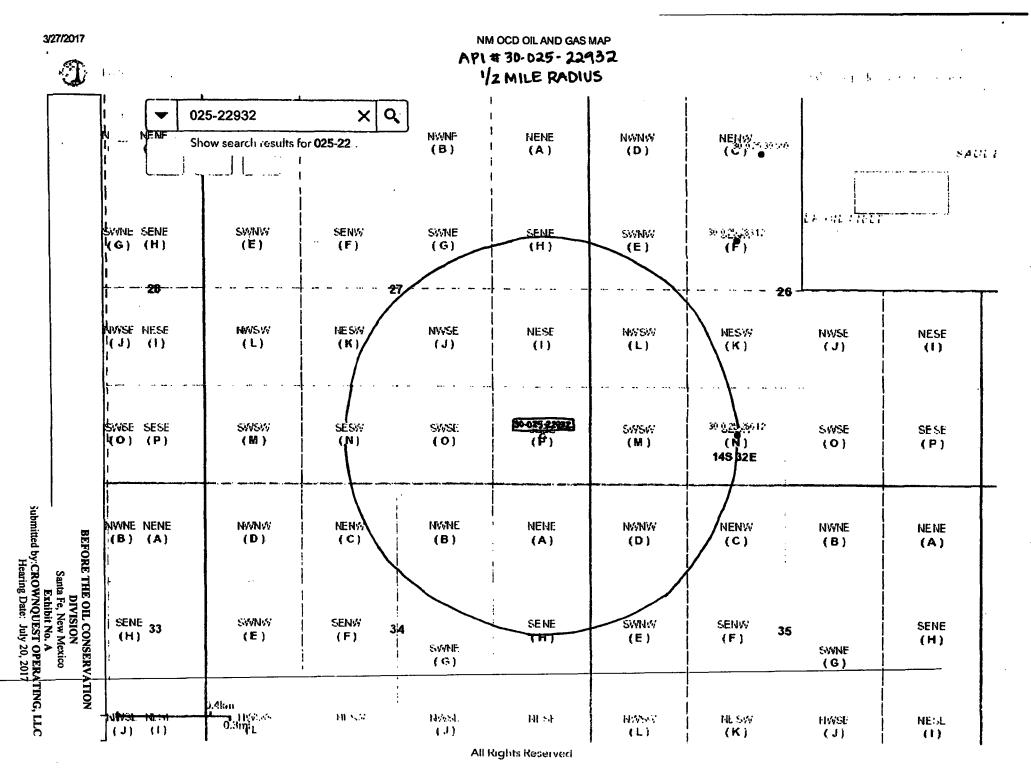
Measurement	Value
рH	8.38
SG	1.0003
Turbidity	0
CO2	
Total Dissolved Solids	455.000

#### Scaling Indices

Temp(F)	CaCO <sub>3</sub>	CaSO4*2H2O	CaSO <sub>4</sub>	BaSO <sub>4</sub>
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



http://www.emnrd.maps.arcgis.com/apps/websuppviewer/index.html?id=4e821bd/94c448e68b86a77d0750e7cc

## CrownQuest Operating, LLC (213190)

## State "27" #2 - AOR Listing

1						
API#	Well Name & #	Well Type	Date Drilled	Location	TD	Form Provided
			ſ	UI N, Sec. 26, 145, 32E; 660'	1	
30-025-28612	CrownQuest State "26" #5	Oil Well	5/20/2008	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 MINERAL	LS DEPARTMEN	ſ						
			CONSERV	ATION DIV	ISION	1	Sg. Indicat	e Type of Lease
OISTRIBUTIO			P. O. BC	DX 2088			State #	
SANTA PE		SAI	NTA FE, NEI	W MEXICO 8	7501			I 6 Gas Lease No.
FILE								-521
LAND OFFICE		WELL COMPLE	TION OR REC	OMPLETION I	REPORT	AND LOG	<u>uuu</u>	inninnin in the second s
OPERATOR							1111111	
IG. TYPE OF WELL							7. Unit Age	eement Name
				} 07#ER				
B. TYPE OF COMPLE	•• []]		0 0177.	3				Lease Name
2. Name of Operator		<u>En .</u> 8458	<u> </u>	OTHER			State	<u>"26" Com.</u>
Coastal Oil	and Gas C	Corporation					E	
J. Adaress of Operator							10. Fteld a	nd Pool, or Wildcat
P.O. Box 23	5. Midland	. Texas 797	02			1	Tulk (	Penn)
4. Location of Wel:								
UNIT LETTER N	LOCATED	660 PEET PE	OM THESOUL	h	1980	PEET FROM	ШШ	
1		14 0	20 5		IXIII	IIIIII	12. County	TIIIIIIA
THE WEST LINE OF	SEC. 20	rws. 14~5 act Reached 17. Date	Compl. /Ready to	Prod. 1 1 to Etc.			Lea	
3-14-84	4-9-84	1	-26-84		2.8' GR	~~ <i>~</i> , ~, ~, ~,	(, exc./ 14.	4282.8 <sup>1</sup>
20. Tota; Depth		ug Back T.D.	22. If Multip	ie Compl., How	i 23. Interv	als , Rotary	Toola	<u>4282.8</u> Cable Tools
10,000'	9	855'	Mary		Drille	By X		
24. Producing Interval(a			Name		<u></u>		1	25. Was Directional Survey
								Made
<u>9806-81', P</u>	enn		······································				!	No
26. Type Electric and O	-						27. W	as Well Cared
CR/CBL, SNP	/GR, DIL							lio
28.				port all strings set				1
CASING SIZE	₩EIGHT L8.	410		LE SIZE	5 sx. C	NTING RECO		AMOUNT PULLED
8 5/8"	24# & 2				00 sx.			
5 1/2"	20# & 1				5 sx. C			
			<u> </u>					
29.	L	INER RECORD		•	. 30	τι	BING REC	DRD
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE		TH SET	PACKER SET
<u> </u>		<del> </del> i			2 3/8"	974	8.	9748'
31, Perioration Record (	Interval, size an	i numberj		32. ACI	D, SHOT. F	RACTURE. C	EMENT SO	UEEZE, ETC.
9868-9881' (26		-		DEPTH .NT				O MATERIAL USED
	holes)			9868-9881		2500 ga	1. 15%	NEFE
	-			9806-31		5000 ga	1. 15%	NEFE
			PPOO			L		
33. Date First Production	! Prody	uction Method (Flow			pe pumpj		Weil Statu	Prod. or Shut-inj
5-26-84	ł	mping - 9A H					Produ	
Date of Test	Hours Tested	Chote Size	Prod'n. For	Cil - Bbi.	Gas - MCI	Water	– 3bi.	Gos - Cil Ratio
5-29-84	. 24	-	Test Period	223	185	24		825
Flow Tuping Press.	Cosing Pressur	e Calculated 24- Hour Agte	Oil - Bal.	Gas - MCF	we j	ner – Bbl.	Ou	Gravity - API (Corr.)
34. Disposition of Gas (	and in the		223	<u></u>		249	Hinessec 2	41.3
		, vennew, eic./						·د ۱
<u>Fuel &amp; Sold</u> 35. List of Attachments		<u></u>				I <b>L</b> i,	D. Tare	ł
Logs, inclin	ation surv	ey & C-104	_					
36. I hereby cerniy that	the information i	thown on both sides	of this form is tru	e and complete to	the best of	my knowledge	and belie!	
$\sim 1$	2	,						
SIGNED DAC	amplell		TITLE ST	. Petroleum	Engine	er	DATE <u>6/</u>	1/84
·····		· · · · · · · · · · · · · · · · · · ·						······

#### INSTRUCTIONS

This icm is to be it.ed with the appropriate District Office of the Division not later than 26 days after the completion of any newly-dilled or imprened 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 consucted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, the vertical depths shall close be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be itled in quintuplicate except on state land, where six copies are required. See Rule 1195.

-----

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

#### Southeastern New Mexico

- - - - - -

\_ \_ \_

.

- ----

#### Northwestern New Mexico

- ---

ł

1

_	Anhy 1507	_	•	~	<b>a</b> : <b>b</b>	-	-
7.			• • • • • • • • • • • • • • • • • • • •		Ojo A.amo		
τ.	Selt	Т.	Strawn	Т.	Kirtland-Fruitland	T.	Penn. "C"
В	Salt	T.	Atoka	T.	Fictured Cliffs	Т.	Penn. "D"
Ŧ	Yates 2548	т	M188	T.	Cliff House	т.	Leadville
7	7 Rivers	T	Devonian	Т.	Menelee	T.	Medison
τ.	Queen	т	Silurian	Т.	Point Lookout	Т.	Elbert
Ţ	Gravburg	т	Montoya	Т.	Mancos	T.	McCracken
т.	San Andres <u>4073</u>	T.	Simpson	T.	Gallup	Т.	Ignacio Qtzte
т	Giorieta	Τ.	McKee	Bas	e Greenhom	T.	Granite
Т.	Paddock	Τ.	Ellenburger	Т.	Dakota	Т.	
T.	Blinebry	Ξ.	Gr. Wash	T.	Morrison	т.	
τ.	Tubb 6382	Ŧ.	Granite	Т.	Todilte	Ŧ	
Т.	Drinkard	т.	Delaware Sand	Т.	Entrada	T.	
Т.	Abo	Τ.	Bone Springs	Т.	Wingate	Т.	
τ.	Wolfcamp <u>\$928</u>	Т.		Т.	Chinle	Т.	
т	Penn9537	т		т	Pennian	Т.	
т	Cisco , Bough C. 98-9	т		Т.	Penn. "A"	Т.	
			OIL OR GAS	SA	NDS OR ZONES		
No.	1, from				4, from	فد دهي	.to
No.	2, from	ستدن ب	to	No.	5, from		. 10
No.	3, from		10	No.	6, from	وبر ، مغب	. 10

#### IMPORTANT WATER SANDS

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

No. 1	I,	from	.wfeet	
No. 2	2,	(rom	.w	
No. 3	١,	(rom	.to	••••••••••••••••••••••••••••••••••••••
No. 4	<b>,</b>		10	
		FORMATION	RECORD : Attach additional sheets if necessary	•}

From	To	Thickness . in Feet	Formation		From		Thickness in Foot	Formation
0 <sup>‡</sup>	400		Surface sand			:		
400;	1507		Red-beds, shale					
: 507:	4073		Sand, delomite, a	mhydrite		•	! :	
-073	6382	2809	Dolomite			• •	: I :	
c862	7610		Sand, delomite, s	shale j				
7610	8928		Shale, colomite					
:928	9537		Shale, lime	16 11				
£537	TD	÷63	Lime	,		P=C	<b>F</b> ,	
				;			EIVEO	
:				 ti	•••	Illii a	_	
:						14	1984	
:				h	k	0.	·•••••	۲ ,
•				li li	· 'L	65 0	<sup>19</sup> 84' 'Ca	
:				ľ		- OFA		
:	:	·		ji i			-4	j.
		!		li li	3			
1								

Distant as 1													
<u>District 1</u> 1625 N. French E	)r., Habba	, NM 88	240	1			ew Mexico						Form C-104 Revised Feb. 26, 2007
<u>District II</u> 1301 W. Crued A	veous, Ar	tosia. Ni	<b>/ 882</b>		cneigy,	IVILIPET 245 O	k Natural R	esour	ces				NG41801 1°00, 20, 2007
District (11 1000 Rio Brazos i	-						ation Divisio				Suba	uit to Ag	propriate District Office
District IV					12		St. Francis D	т.					5 Copies
1220 S. St. Franci						Sama Fe							AMENDED REPORT
Operator a	L ame and			EST F				THO		RID Nu		RAN	SPORT
CrownQuest	Operat	ing, Ll	LC	/	•	JUN 2?	2019					21319	
P.O. Box 533	10, MDA	tand, T	X 79	7]0		JUN 2	ົດ	$\mathbf{\Omega}$		son for i t on Pro			fective Date
API Numbe				Name	Ū	MHH	500				-FP	ool Cod	
30 - 025 28		4		k (Penn)		UUU	7			·	_	380	/
<sup>7</sup> Property Co 3026	09		Stel	perty Nai to "26" C								Vell Nur	s
II. 10 Sur													
Ul or lot so. N	Section 26	Town 14S		Range 32E	Lot Ida	Feet from the	e North/So Line			rom the 80'		West lin Test	c County
	20	140		- معد			South		17	30		Cal	
	tom He				1								· · · · · · · · · · · · · · · · · · ·
UL or lot no.	Section	1000	1000   1000	Range	Lot 103	FOR ITOM U	e North/Sout		Feet I		East/	West lin	e County
17 Lse Code	<sup>13</sup> Produc	ing Metl	ber	<sup>M</sup> Gas Co	ingecting	<sup>15</sup> C-129 Pe	rmft Number	T MC	-129 E	ffective	Date	17 C	-129 Expiration Date
P	C	Xadie P		Da 5-20	-10 - 10			_				-	
III. Oil an	d Gas	Trans	porte	ers									
<sup>13</sup> Transport OGRID	er						orter Nume Address						<sup>10</sup> O/G/W
024650							.; Suite 400W,	Midle	nd TY	79704			G
	364.2 <sup>2</sup>		100			,10 Desia Di	., oune 100 m					1	
				- <u></u>	<u> </u>			-					
188355				Sem	Crude, J	LP, 5809 Sant	a Fe St., Abile	ne, 17	( 79605	i		_	0
						··							
12.00												1	21-11-5-14-5-2
di nerre de Ast								·			<u> </u>		A DE CATALON AND AND AND AND AND AND AND AND AND AN
	1.64												
IV. Well (	Comple	tion D	ata										
21 Spud Date		"Re	edy D			" TD	<sup>24</sup> PBTI	)		Perforat		T	DHC, MC
L		BOP				0,000,	9855'		1	9806-81	•		
27 Elole			-		& Tubin	g Size		pth Se				•	tks Cement
17 V	2" 				3.3/8*			10'					425 sx
12 1/	4*			1	8 5/8"	÷	41	100°				1	600 sz
								0001	-	-+-			
7 7/	D.~		-		5 V2*		10,	,000°					715 sz
						ļ							
V. Well Te													
<sup>11</sup> Date New O	U H	Gas D	liver	y Date	T	est Date	<sup>34</sup> Test 24			<sup>35</sup> Tb <sub>1</sub>	, Pres	are	<sup>26</sup> Csg. Pressure
L						20-08	·						
<sup>17</sup> Choke Size		24	08 8			Water 3	• G 2						4 Test Method
411				00.0	L				0. 0.		A 7700 -		
<sup>42</sup> I hereby certify been complied w	ith and (	hat the	inform	nation gj	oyada Tan					DNSERV	AIIUN	111112	
complete to the b Signature:							Approved by:		<u>,</u>		م م	•	
			U.d.	<u>A</u>	tt K			(		in the			
Printed name: Ann E, Ritchie			0				TING DISTRI	ICT SL	PERM	508/G	ENER	AL MAP	VAGEE
Title:							Approval Date	<b>,</b> ,,		E #*			
Regulatory Agent E-mail Address:	l				<u></u>			111	╘┦	5 20(	18		
ann.ritchic@wtor	inet		~										
Date:			Phone	E.									9

. .

and a start sign

.

Phone: 432 684-6381

06/13/08

Submit 3 Copies To Appropriate District State of New Moving	
Office State Of New Mexico	Form C-103 May 27, 2004
1625 N. French Dr., Hobbs, NN State CAN/ED	WELL API NO.
Distinct II 1301 W. Grand Ave., Artesia, NM 88210 OIL CONSERVATION DIVISION	30-025-28612 🗸
District III SEP 16 VIAU 1220 South St Francis Dr	5. Indicate Type of Lease
	6. State Oil & Gas Lease No.
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	L-521
SUNDRY NOTICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(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.)	State "26" Com
1. Type of Well: Oil Well 🔀 Gas Well 🔽 Other	8. Well Number 5
2. Name of Operator	9. OGRID Number
CrownQuest Operating, LLC' 3. Address of Operator	10. Pool name or Wildcat
303 Veterans Arprk Ln, Ste 5100 Midland, TX 79710	Tulk (Penn)
4. Well Location	
Unit Letter N : 660' feet from the South line and 19	900' feet from the West line
Section 26 Township 14S Range 32E	NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	
Pit or Below-grade Tank Application or Closure	
Pit type Depth to Groundwater Distance from nearest fresh water well Dista	nce from nearest surface water
	struction Material
12. Check Appropriate Box to Indicate Nature of Notice, F	
	report of Other Data
	EQUENT REPORT OF:
TEMPORARILY ABANDON C CHANGE PLANS C COMMENCE DRIL PULL OR ALTER CASING MULTIPLE COMPL C CASING/CEMENT	
OTHER: OTHER:	
<ol> <li>Describe proposed or completed operations. (Clearly state all pertinent details, and of starting any proposed work). SEE RULE 1103. For Multiple Completions: Atta</li> </ol>	
or recompletion.	
3/17/08 Rigged up, pulled rods & pump, inspected	rods
3/1 <u>8</u> /08 Pulled 2-7/8" tubing	
3/19/08 RIH w/Arrowset pkr, tight spot in csg, PC	H w/pkr, RIH w/4-3/4"
bit and scraper to 9942'	
3/24/08 RIH w/pkr to 9600'. Acidize w/5000 gals 2	0% acid
3/26/08 RIH w/pump and rods, loaded tbg w/45 bbls	
3/27/08 RIH w/1-5/8" grapple and rods, caught fis	•
RIH w/pump & rods. Loaded tbg, spaced well o	
unit. Well pumping and back on production	
· · · · · · · · · · · · · · · · · · ·	
*	
· · · · · · · · · · · · · · · · · · ·	and belief. I further certify that any pit or below- an (attached) alternative OCD-approved plan [].
I hereby certify that the information above is true and complete to the best of my knowledge of grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or SIGNATURE	an (attached) alternative OCD-approved plan . Projects
I hereby certify that the information above is true and complete to the best of my knowledge of grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or SIGNATURE	an (attached) alternative OCD-approved plan . Projects DATE 9/14/09 quest.com (432)818-0307
I hereby certify that the information above is true and complete to the best of my knowledge of grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or SIGNATURE	an (attached) alternative OCD-approved plan . Projects DATE 9/14/09 quest.com (432)818-0307 Telephone No.
I hereby certify that the information above is true and complete to the best of my knowledge of grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or SIGNATURE	an (attached) alternative OCD-approved plan . Projects DATE 9/14/09 quest.com (432)818-0307 Telephone No.

•

.

٠

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 D1, Santa Fc. 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 binit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

## Release Notification and Corrective ALIBISOCD

						OPE	RATOR		ЫI	nitial Report	Final Repor
Name of C		CrownQue	st Operat	ing, LLC		Contact H	Cent Crabtree				
		310 Midland					No. 432-556-0	770			
Facility Na	me SWD	-215, State 2	27 No.2 9	SWD		Facility Typ	e SWD				
Surface Ow	mer Sta	te of New M	fexico	Mineral C	Juner			T	ease 1	No	
L											
				the second s		N OF RE				22932.00	
Unit Letter	Section	Township 14S	Range 32E	Fcet from the	Nort	NSouth Line	Feet from the	East/West	Line	County Lea	
·								l			
			Latitu	<u>de 33 04' 12.12</u>	" Nortl	h	Longitude 10	3 41' 57.76	S'We	<u>it</u>	
				NAT	TIRE	OF REL	RASE	Ν.			
Type of Rele	ase Produc	xed Water/Cru	ude Oil		UIL	Volume of		Vo	lunc	Recovered	
						Unknown			knowi		
Source of Re	Source of Release Daily Operations at Facility						lour of Occurrenc			Hour of Discover	צ
Was Immedi	Was Immediate Notice Given?						Whom?	[ Un	knowr		
			′es 🛛 1	No 🖾 Not Requ	ired						
By Whom?						Date and H					
Was a Water	course Read			2		If YES, Vo	lume Impacting t	he Watercou	irsc.		
				No							
If a Watercou	urse was Im	pacted, Descri	ibe Fully. <sup>4</sup>				MIA	TER	ġ,	175'	
Describe Cau	use of Proble	and Remed	dial Action	n Taken: Circulati	ng pun	np has been rep					
				en. Release impa							
				e is true and con							
regulations a	II operators	are required	to report	and/or file certain nce of a C-141 re	nort by	the NMOCD	and perform con	Report <sup>#</sup> dc	ons to	r releases, which	may chooser
should their of	operations h	ave failed to	adequately	y investigate and	remedia	ate contaminat	ion that pose a th	reat to grou	nd wa	ter, surface water	human health
or the enviro	nment. In	addition, NM	OCD aco	eptance of a C-14	41 repo	ort does not re	lieve the operato	r of respons	ibility	for compliance	with any other
federal, state,	or local lav	is and/or regu	lations.				OIL CONS	EDVAT		DIVISION	
	1	10					<u>OIL CON</u>			DIVISION	
Signature:	Kent	Gn	Le			ē	INV EGNE				
Printed Name	: Kent Crab	tree				Approved by	District Supervise	* Soft	ren	Lehrman	
Title: Forema					- 1		=05/19/09		, (	Date: 07/20	<b>A</b> 9
ritic. Porena	2/1										<u> </u>
E-mail Addre	ss: kcrabtro	c@crownque	st.com	· · · · · · · · · · · · · · · · · · ·		Conditions of	Approval: FINA	26 6-141	BY.	T	
Date: 05/19	109		Phone:	432-556-0770						IRP-09.5	21897
-	09142	500									•
	2 717 4	52060									

SWD; PENN (94113) Prop# 302410

RECEIVED MAY I Y ZINH

HOBRSOCD

District 1 1625 N. French 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 Di , Santa Fc, 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

MAY 19 Zinest

RECEIVED binit 2 Copics to appropriate District Office in accordance with Rule 116 on back side of form

## Release Notification and Corrective ACESSOCD

						OPE	RATOR			nitial Report	Final Repor
Name of Co	ompany	CrownQue	st Operat	ing, LLC		Contact I	Kent Crabtree				
		310 Midland				Telephone ]	No. 432-556-0	770			
		-215, State				Facility Typ					
Surface Ow	mer Sta	te of New M	lexico	Mineral C	Dwner				Lease N	No.	
				LOCA	ATIO	N OF REI	LEASE A	1#30	0.025-	22932-00	00.00
Unit Letter P	Section 27	Township 14S	Range 32E	Feet from the	North	/South Line	Feet from the	East/V	Vest Line	County Lea	
•••	da	L,	Latitu	de 33 04' 12.12'	" North		Longitude 10	3 41' 5	7.76"Wes	<u>it</u>	
				NAT	URE	OF REL	EASE	<u>`</u> .			
Type of Rele	ase Produc	cd Water/Cru	ide Oil			Volume of	Release		Volume F Unknown	Recovered	
Source of Re	Source of Release Daily Operations at Facility						lour of Occurrenc	ic .	Date and Unknown	Hour of Discover	у
Was Immedia	ate Notice C		es 🗆 1	Not Requ	ired	If YES, To	Whom?				
By Whom?						Date and H					
Was a Water	course Reac	_	Ycs	No		If YES, Vo	lume Impacting t	he Wate	rcourse.		
If a Watercou	irse was Imp	pacted, Descri	be Fully.	•			WA	TEF	291	1751	
Describe Cau	sc of Proble	m and Remed	lial Action	n Taken: Circulati	ing pum	p has been re	paired and locatio	n is bein	g delincato	ed.	
Describe Are	a Affected a	nd Cleanup A	ction Tak	en. Release impe	icted an	arca measuri	ng approximately	135 feet	t by 45 feel	t.	
regulations al public health should their o	l operators or the environment operations has nment. In a	are required ronment. The ave failed to a addition, NM	to report a c acceptar adequately OCD acc	ve is true and con and/or file certain nee of a C-141 re y investigate and eptance of a C-14	n release port by remedia	e notifications the NMOCD te contaminat	and perform con marked as "Fina ion that pose a th	rrective I Report ireat to g	actions for " does not ground wat	r releases, which relieve the operator, surface water.	may endanger nor of liability human health
Signature:		l		La ·				SERV	ATION	DIVISION	
Printed Name	: Kent Crab	tree					District Supervise	*:	Arey	Lating	
Title: Forema	ม		<u> </u>		/	Approval Date	=05/19/09	<u> </u>	ixpiration 1	Date: 07/20/	69
E-mail Addres	ss: kcrabtre	c@crownquc	st.com		(	Conditions of	Approval: FINA	+4 C-1	14182-		
Date: 05/19	109		Phone: 4	432-556-0770			<u> </u>			IRP-09.5	2189
£1-01	00.000										

fGRL0914235385

## RECEIVED

MAY 19 ZING HOBREOCD

1 - 14 s - 3 2 £       CrownQuest       NOV 1 4 203         2 - 6 6 0 [ €       DAILY OPERATIONS REPORT       RECEIVED         State 27 # 2         Prime dot 31. 2012 Page 1 of 4         State 27 # 2         Defined dot 31. 2012 Page 1 of 4         State 27 # 2         Concert 1 Field: Tulk         Sep 20. 2012 Thursday         MR UP Ufrom yard, Lea County Packers released 5 1/2" Lock set packer, TOH w/ 109 its 2 7/8" IPC tubing and 200         2 3/8" IPC tubing, total 9729, packer was rebuilt and found to be in good condition and tubing took good, CWIFN         Daily Cost:         Curm. Cost:         Sep 21, 2012 Friday         Qlay 2)         Que to cost and low amount of water injected, isy down packer, release tubing testers, RIH w/ tubing and laid down 10         Beily Cost:         Curm. Cost:         Sep 22, 2012 Saturday       (Day 3)         Daily Cost:         Curm. Cost:         Sep 27, 2012 Thursday       (Day 4)         MIR RP 2 delivered 2 7/8 work string, talled tubing, RIH w/ 5 ½ rental compression packer from Lae County Packers and 65 is 2 7/8" tubing. CWIFN.       Daily Cost:       Curm. Cost: <th>Image: Provide and the second seco</th> <th>te 27#2</th> <th></th> <th>HOBBS OCD</th>	Image: Provide and the second seco	te 27#2		HOBBS OCD
Diff     DillY OPERATIONS REPORT State 27 # 2     RECEIVED       Printed Oct 31, 2012     Page 1 of 4       Received       State 27 # 2     Lea Co., NM     Property#: 200996-02       Zone: 1 Field: Tulk       Sep 20, 2012 Thursday     (Day 1)       MR UP Uf may ward, Lea County Packers released 5 12". Lock set packer, TOH w/ 109 [ts 2 7/8". IPC tubing and 200       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       Qay 2)       Rule ubing testers, tubing was dual lined 2.96" tubing, cellide on to repair we       Adv cost:       Cum. Cost:        Cum. Cost:<	DAILY OPERATIONS REPORT     RECEIVED       State 27 # 2       Printed Oct 31, 2012 Page 1 of 4       State 27 # 2       Dentified 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)       MIR UP Ufrom yard, Lea County Packers released 5 1/2" Lock set packer, TOH w/ 109 [ts 2 7/8" IPC tubing and 200       2 3/8" IPC tubing, total 9729, packer was rebuilt and found to be in good condition and tubing lock good, CVIFN       Date County Packers released 5 1/2" Lock set packer, TOH w/ 109 [ts 2 7/8" IPC tubing and 100 [to Guil 100 y 2]       RecEIVED       Count. Cost:       Curm. Cost:       Curm. Cost:       Daily Cost:       Curm. Cost:       Curm. Cost:       Curm. Cost:       Curm. Cost:       Curm. Cost:       Curm. Cost:       Sep 21, 2012 Thursday     (Day 4)       MIR OP IO to Waddel 2011 PC tubing, left 20 JIW for Kill string, roustabouts hauled 289 joints tubing and racks to CQ       Jaily Cost:       Curm. Cost:       Curm. Cost	7-145-32E	GrownQuest	NOV 1 4 2013
State 27 # 2         RECEIVED           Printed Oct 31, 2012         Page 1 of 4           State 27 # 2         Lea Co., NM         Property#: 200996-02           Zone: 1 Field: Tulk         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 its 2 7/8" IPC tubing and 200         Zone: Count. Cost:           Sep 21, 2012         Friday         (Day 2)         Cum. Cost:           Sep 21, 2012         Friday         (Day 2)         Cum. Cost:           Sep 21, 2012         Friday         (Day 3)         Daily Cost:           Cum. Cost:         Sep 22, 2012         Saturday         (Day 3)           POOH w/ 80 its 2 3/8" DL IPC tubing, teff 20 JW for kill string, roustabouts hauled 289 joints tubing and racks to CQ yard, RD MO PU to Waddell #201. Final Report.         Daily Cost:           Cum. Cost:         Sep 27, 2012         Thursday         (Day 4)           IR UP U from Waddell 201, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 % rental compression packer from Lea County Packers and 65 its 2 7/8" tubing, CWIFN.         Daily Cost:           Cum. Cost:         Sep 28, 2012         Friday         (Day 5)           RIK W/ 205 joints, 300 JW vall 37005, set packer, loaded tubing w/ 20 bibs, pressure bid off fro	State 27 # 2 Printed Oct 31, 2012         Page 1 of 4           State 27 # 2 Den: 1 Field: Tulk         Lea Co., NM         Property#: 200996-02           Som: 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 (its 2 7/8" IPC tubing and 200 2 3/8" IPC tubing, total 9729, packer was rebuilt and found to be in good condition and tubing lock good. CWIFN Daily Cost: Curn. 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, deciden not to repair wid due to cost and low amount of water injected, is y down packer, release tubing testers, RIH W tubing and liai down 1/1 is dual lined 2 7/8" IPC and 100 jts dual lined 2 3/8" tubing, CWIFN.         Daily Cost: Curn. Cost:           Sep 22, 2012         Saturday         (Day 3)           POOH w/ 80 jts 2 3/8" OL IPC tubing, left 20 JW for kill string, roustabouts hauled 289 joints tubing and racks to CQ yard, RD MO PU to Waddell \$201. Double R Pipe delivered 2 7/8 work string, tailied tubing, RIH w/ 5 ½ rental compression packer from Lea County Packers and 65 its 2 7/8" tubing, CWIFN.         Daily Cost: Curn. Cost:           Sep 28, 2012         Friday         (Day 5)           RIH w/ 235 joints, 300 JIW dv 9706", set packer, loaded tubing w/ 20 bis, pressure bit of from 500 pi to 100 pi in 7 minutes, POOH w/ 31 its, packer at 6608', set packer, loaded tubing w/ 20 bis, pressure bit pressure at 6350, pressure test failed, POOH w/ 31 its, 266 JIW and set packer ned 8607', loa	nlc - 660lE	-	
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" Look set packer, TOH w/ 108 jts 2 7/8" IPC tubing and 200 2 3/8" IPC tubing, total 9729, packer was rebuilt and found to be in good condition and tubing look good, CWIFN Daily Cost: Curn. Cost: Sep 21, 2012 Friday (Day 2) RU tubing testers, tubing was dual lined 2-55 IPC, did not have tools to test dual lined tubing, decided not to repair we due to cost and low amount of water injected, lay down packer, release tubing testers, RIH w/ tubing and laid down 10 jts dual lined 2 7/8" IPC and 100 jts dual lined 2 3/8" tubing, CWIFN. Daily Cost: Curn. Cost: Sep 22, 2012 Saturday (Day 3) POOH w 80 jts 2 3/8" DL IPC tubing, left 20 JWW for kill string, roustabouts hauled 289 joints tubing and racks to CQ yard, RD MO PU to Waddell #2301. Final Report. Daily Cost: Curn. Cost: Sep 27, 2012 Thursday (Day 4) MI RU PU from Veadedle 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 ½ rental compressio packer from Lea County Packers and 65 its 2 7/8" tubing, CWIFN. Daily Cost: Curn. Cost: Sep 28, 2012 Friday (Day 5) RIH w/ 35 loints, 300 JIW at 9706; set packer, loaded casing w/ 22 bbls, pressured up to 500 psi, casing pressure bl of from 500 psi to 700 psi to 100 psi in 6 minutes, released packer at 6507, loaded casing w/ 18 bbl reseaver to 300 psi, pressure test failed, POOH w/ 3 its, packer at 6508, set packer at 6500, researce test failed, POOH w/ 20 its, 24 JW, set acker at 6350, pressure test failed, Cost w/ 3 lbs, pressured to 500 psi, casing pressure bl if from 500 psi to 100 psi in 6 minutes, released packer at 6507, loaded casing w/ 18 bbl researce to 500 psi, pressure test failed, POOH w/ 31 jts, 266 JIW and set packer at 6507, roaded casing w/ 18 bbl researce to 500 psi, pressure test failed, POOH w/ 31 jts, 266 JIW and set packer at 6507, rosace test failed, POOH w/ 30 jts, 218 JW, set packer at 6507, rosace tes	Primted 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 12" Lock set packer, TOH w/ 109 its 2 7/8" IPC tubing and 2002       2 3/8" IPC tubing, total 9729, packer was rebuilt and found to be in good condition and tubing lock good. CWFN         Daily Cost:       Curr. 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, deciden not to repair w.due to cost and low amount of water injected, by down packer, release tubing testers, RIH w/ tubing and laid down 11 its dual lined 2 3/8" tubing, CWFN.       Daily Cost:         Sep 22, 2012       Saturday       (Day 3)       Dolly Gost:       Curr. Cost:         Sep 27, 2012       Thursday       (Day 4)       MIR UP U from Waddell #2301. Final Report.       Daily Cost:       Curr. Cost:         Sep 28, 2012       Friday       (Day 5)       RIH w/ 236 joints. 300 JIW at \$706", set packer, loaded casing w/ 22 bils, pressured up to 500 psi, casing pressure big of from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jis, packer at 960%; set packer, loaded casing w/ 22 bils, pressure and shut down at 3.00 pm due to teasery rain.         Daily Cost:       Curr. Cost:       Curr. Cost:       Curr. Cost:         Sep 28, 2012       Friday       (Day 5)			RECEIVED
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/ 108 jts 2 7/8" IPC tubing and 200 2 3/8" IPC tubing, total 9729, packer was rebuilt and found to be in good condition and tubing took good, C/WIFN Daily Cost: Cum. Cost: Sep 21, 2012 Friday (Day 2) Cum. Cost: Sep 21, 2012 Friday (Day 2) Cum. Cost: Sep 21, 2012 Friday (Day 2) Cum. Cost: Daily Cost: Cum. Cost: Sep 22, 2012 Saturday (Day 3) POOH w/ 50 jts 2 3/8" DL. IPC tubing, teff 20 JW 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 ¼ rental compressio packer from Lea County Packers and 65 jts 2 7/8" tubing, CWIFN. Daily Cost: Cum. Cost: Sep 28, 2012 Friday (Day 4) MI RU PU from Waddell 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 ¼ rental compressio 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/ 33 joints, 300 JIW at 9706", set packer, loaded casing w/ 22 bibs, pressured up to 500 psi, casing pressure bid off from 500 psi to 100 psi in 6 minutes, released packer POOH w/ 20 jts, 24 JW, set usaker at 7682", pressure test failed, POOH w/ 31 jts, 266 JIW and set packer at 6607'. toaded casing w/ 18 bib JW set packer at 6360, pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6608", pressure test failed, POOH w/ 30 jts, 22 JW set Cum. Cost: Cum. Cost: Cum. Cost: Daily Cost: Cum. Cost:	Zone: 1. Field: Tulk         Sep 20, 2012       Thursday       (Day 1)         MIR UP U from yard, Lea County Packers released 5 1/2" Lock set packer, TOH w/ 109 [ts 27/8" IPC tubing and 200         2 3/5" 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 widue to cost and low amount of water injected, by down packer, release tubing testers, RIH w tubing and laid down 11 [ts dual lined 2 7/8" IPC and 100 [ts dual lined 2 3/8" tubing, CWIFN.         Daily Cost:       Cum. Cost:         Sep 22, 2012       Saturday       (Day 3)         POOH w/ 80 [ts 2 3/8" OL IPC tubing, Ieft 20 1W for Kill string, roustabouts hauled 289 joints tubing and racks to CQ yard, RD MO PU to Waddell #2301. Final Report.       Daily 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 ½ rental compressic packer fiont Lea County Packers and 65 [ts 2 7/8" tubing, CWIFN.       Daily Cost:         Sep 28, 2012       Friday       (Day 5)       Cum. Cost:       Cum. Cost:         Sep 27, 2012       Interse and 65 [ts 2 7/8" tubing, released packer, loaded casing w/ 22 bbis, pressured to 100 psi, pressure big of from 500 psi to 100 psi in 7 minutes, POCH w/ 31 [ts, 266 JIW and set p	•		
Sep 20, 2012       Thursday       (Day 1)         MR RU PU from yard, Lee County Packers released 5 1/2" Lock set packer, TOH w/ 109 jts 2 7/8" IPC tubing and 200       23/8" IPC tubing, total 9729, packer was rebuilt and found to be in good condition and tubing, lock 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 we due to cost and low amount of water injected, hay down packer, release tubing testers, RIH w/ tubing and laid down 10 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:         Sep 27, 2012       Thursday       (Day 4)       Cum. Cost:         Sep 28, 2012       Thursday       (Day 4)       Daily Cost:         Grif from 500 psi, pressure and 65 its 2 7/8" tubing, CWIFN.       Daily Cost:       Cum. Cost:         Sep 28, 2012       Friday       (Day 5)       RIH w/ 35 joints, 300 JIW at 9706", set packer, loaded casing w/ 22 bis, pressure due to 500 psi, casing pressure bid off from 500 psi to 100 psi in 6 minutes, released packer at 8607. boaced tubing w/ 20 bis, pressure last for 500 psi, pressure last failed, POOH w/ 31 its, 266 JIW set packer at 6807. boaced casing w/ 18 bis press	Sep 20, 2012 Thursday (Day 1) MIRUPU from yard, Lea County Packers released 5 1/2" Lock set packer, TOH w/ 109 its 2 7/8" IPC tubing and 200 2 3/8" IPC tubing, total 9729, packer was rebuilt and found to be in good condition and tubing book 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 w. due to cost and low amount of water injected, lay down packer, release tubing testers, RIH w/ tubing and laid down 11 its dual lined 2 7/8" IPC and 100 its dual lined 2 3/8" tubing, CMIFN. Sep 22, 2012 Saturday (Day 3) POOH w/ 80 its 2 3/8" DL IPC tubing, left 20 JW for kill string, roustabouts hauled 289 joints tubing and racks to CQ yard, RD MO PU to Waddell #2301. Final Report. Sep 27, 2012 Thursday (Day 4) MIRU PU from Waddell 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 ½ rental compressic Daily Cost: Cum. Cost: Sep 28, 2012 Friday (Day 4) MIRU PU from Waddell 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 ½ rental compressic Daily Cost: Cum. Cost: Sep 28, 2012 Friday (Day 5) RIH w/ 35 joints, 300 JIW at 9706", set packer, loaded casing w/ 22 bis, pressured up to 500 psi, cassing pressure biel of from 500 psi to 100 psi in 5 minutes, PCOH w/ 30 its, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer at stoop w/ 20 bis, pressure big 100 psi, pressure test failed, POOH w/ 31 its, 266 JIW and set packer to 8607", loaded casing w/ 18 bis Baily Cost: Cut 1, 2012 Monday (Day 6) "acker at 6820, pressure test failed, POOH w/ 30 its, 150 JIW, set packer at 6507, loaded casing w/ 18 bis Baily Cost: Cum. Cost: Cut 2, 2012 Tuesday (Day 7) POOH w/ 189 its tubing and packer, W/O orders from NM OCD. Daily Cost: Cum. Cost	State 27 # 2	Lea Co., NM	Property#: 200996-02
Mi RU PU from yard, Lea County Packers released 5 1/2" Lock set packer, TOH w/ 109 jts 2 7/8" IPC tubing, total 9729, packer was rebuilt and found to be in good condition and tubing lock good, CWIFN Daily Cost: Curn. 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 we due to cost and low amount of water injected, lay down packer, release tubing testers, RIH w/ tubing and laid down 10 jts dual lined 2 7/8" IPC and 100 jts dual lined 2 3/8" tubing, CWIFN. Daily Cost: Curn. 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: Curn. 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 ½ rental compressio packer from Lea County Packers and 65 jts 2 7/8" tubing, CWIFN. Daily Cost: Curn. Cost: Sep 28, 2012 Friday (Day 5) RIH w/ 235 joints, 300 JIW at 9706", set packer, loaded casing w/ 22 bbls, pressure due to 500 psi, casing pressure biol of from 500 psi, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer, loaded tubing w/ 20 bbls, pressure 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 teawy rain. Daily Cost: Curn. Cost: Dot 1, 2012 Monday (Day 6) *acker rat 6360", pressure test failed, POOH w/ 31 jts, 266 JIW and set packer at 8607", loaded casing w/ 18 bb ressure to 500 psi, pressure test failed, POOH w/ 31 jts, 266 JIW and set packer at 8607", loaded casing w/ 18 bb ressure to 500 psi, pressure test failed, POOH w/ 31 jts, 266 JIW and set packer at 8607, loaded casing w/ 18 bb ressure to 500 psi, pressure test failed, POOH w/ 31 jts, 264 JIW set packer at 6124", pressure test failed, POOH w/ 31 jts, 266 JIW and set packer at 8607", loaded casing w/ 18 bb ressure to 500 psi, pressure t	Mi FU PU from yard, Les County Packers released 5 1/2" Lock set packer, TOH w/ 109 its 2 7/8" IPC tubing and 200 2 3/8" IPC tubing, total 9729', packer was rebuilt and found to be in good condition and tubing bock good, CWIFN Daily Cost: Curn. Cost: Sep 21, 2012 Friday (Day 2) RU tubing testers, tubing was dual lined 1-55 IPC, did not have tools to test dual lined tubing, decided not to repair we due to cost and low amount of water injected, lay down packer, release tubing testers, RIH w/ tubing and laid down 11 is dual lined 2 7/8" IPC and 100 its dual lined 2 3/8" tubing, CWIFN. Daily Cost: Curn. Cost: Sep 22, 2012 Saturday (Day 3) POOH w/ 80 its 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: Curn. Cost: Sep 27, 2012 Thursday (Day 4) MIR JPU from Waddell 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 ½ rental compressic packer from Lea County Packers and 65 its 2 7/8" tubing, CWIFN. Daily Cost: Curn. Cost: Sep 28, 2012 Friday (Day 5) RIH w/ 235 joints, 300 JIW wit 9706", set packer, Ibaded casing w/ 22 bbis, pressured up to 500 psi, casing pressure b entery rain. Daily Cost: Curn. Cost: Dot 1, 2012 Monday (Day 6) Tecker released siting at 9608 w/ 297 JIW, POOH w/ 3 its, packer at 9608", set packer at 6807", loaded casing w/ 18 bt Backer at 692, pressure led off from 500 psi to 100 psi in 6 minutes, released packer at 6807", loaded casing w/ 18 bt Backer at 6809, nest packer at 6809", pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6807", loaded casing w/ 18 bt Subsch at 9602", pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6807", loaded casing w/ 18 bt Subsch at 9602", pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6807", loaded casing w/ 18 bt Subsch at 9602", pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6807", loaded casing w/ 18 bt Subsch at 9602", pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6	Zone: 1 Field: Tulk		
2 3/8" IPC tubing, total 9729, packer was rebuilt and found to be in good condition and tubing look good, CWIFN Daily Cost: Curn. 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 we due to cost and low amount of water injected, lay down packer, release tubing testers, RIH w/ tubing and liaid down 10 its dual lined 2 7/8" IPC and 100 jts dual lined 2 3/8" tubing, CWIFN. Daily Cost: Curn. 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: Curn. 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 ½ rental compressic packer from Lea County Packers and 65 its 2 7/8" tubing, CWIFN. Daily Cost: Curn. 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 biel off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608", set packer, loaded tubing w/ 20 bbls, pressure to say rain. Daily Cost: Curn.	2 3/8" IPC tubing, total 9729', packer was rebuilt and found to be in good condition and tubing book good, CWIFN Daily Cost: Curr. Cost: Sep 21, 2012 Friday (Day 2) (U ubing testers, tubing was dual lined 2.56 IPC, did not have tools to test dual lined tubing, decided not to repair we due to cost and low amount of water injected, lay down packer, release tubing testers, RIH wi tubing and laid down 11 is dual lined 2 7/8" IPC and 100 is dual lined 2 3/8" tubing, CWIFN. Daily Cost: Curr. Cost: Sep 22, 2012 Saturday (Day 3) POOH will bits 23/8" 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: Curr. Cost: Sep 27, 2012 Thursday (Day 4) MIR J PU from Waddell 2301, Double R Pipo delivered 2 7/8 work string, tallied tubing, RIH will 5 % rental compression packer from Lea County Packers and 65 its 2 7/8" tubing, CWIFN. Daily Cost: Curr. Cost: Sep 28, 2012 Friday (Day 5) RIH will 25 joints, 300 JIW st 9706', set packer, loaded casing will 22 bits, pressured up to 500 pai, casing pressure to from 500 pai, nessure bid off from 500 pai to 100 pai in 6 minutes, released packer at 8607', loaded casing will 20 bits, pressure to 400 pai, casing pressure to Dot pai, pressure bid off from 500 pai to 100 pai in 6 minutes, released packer at 8607', loaded casing will 8 bits, pressured up to 500 pai, casing pressure to curr. Cost: Curr. Co			
Cum. Cost: Sep 21, 2012 Friday (Day 2) RU lubing testers, tubing was dual lined J-55 IPC, did not have tools to test dual lined tubing, decided not to repair we due to cost and low amount of water injected, lay down packer, release tubing testers, RIH w/ tubing and laid down 10 is 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 ½ rental compression packer from Lea County Packers and 65 its 2 7/8" tubing, CWIFN. Daily Cost: Cum. Cost: Sep 28, 2012 Friday (Day 5) RIH w/ 235 joints, 300 JIW et 9706", set packer, loaded casing w/ 22 bbls, pressure dup to 500 psi, casing pressure biol of from 500 psi to 100 psi in 6 minutes, released packer, loaded tubing w/ 20 bbls, pressure to bay to 500 psi, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer at 6807', loaded casing w/ 18 bb pressured to 500 psi, pressure fail from 500 psi to 100 psi in 6 minutes, released packer at 6807', loaded casing w/ 18 bb pressure to 500 psi, pressure fail from 500 psi to 100 psi in 6 minutes, released packer at 6807', loaded casing w/ 18 bb pressure to 500 psi, pressure fail from 500 psi to 100 psi in 6 minutes, released packer at 6807', loaded casing w/ 18 bb pressure to 500 psi, pressure failed POOH w/ 31 jts, 266 JIW and set packer at 6807', loaded casing w/ 18 bb pressure to 500 psi, pressure failed POOH w/ 30 jts, 1910 JIW, set packer at 6807', loaded casing w/ 18 bb pressure to 500 psi, pressure failed, POOH w/ 31 jts, 266 JIW and set packer at 6807', loaded casing w/ 18 bb pressure to 500 psi, pressure test failed, POOH w/ 30 jts, 1910 JIW, set packer at 6928', pressure test failed, POOH w/ 30 jts, 1910 JIW	Cum. Cost:         Sep 21, 2012       Friday       (Day 2)         RU lubing testers, tubing was dual lined J-55 IPC, did not have tools to test dual lined tubing, decided not to repair we due to cost and low amount of water injected. Iay down packer, release tubing testers, RIH w/ tubing and laid down 11 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 ½ rental compressic packer from Lea County Packers and 65 is 2 7/8" tubing, CWIFN.       Daily Cost: Cum. Cost:         Sep 28, 2012       Friday       (Day 5)       RIH w/ 236 joints, 300 JIW at 9706"; set packer, loaded casing w/ 22 bbls, pressured up to 500 psi, casing pressure b of from 500 psi to 100 psi in 6 minutes, released packer and shut down at 3:00 pm due t teavy rain.         Daily Cost: Cum. Cost:       Cum. Cost:         Oct 1, 2012       Monday       (Day 6)         *acker at 6802", pressure test failed, POOH w/ 31 jts, 266 JIW and set packer at 6807", loaded casing w/ 18 bb pressure test failed, POOH w/ 31 jts, 266 JIW and set packer at 6807", loaded casing w/ 18 bb pressure test failed, POOH w/ 31 jts, 190 JIW, set packer at 656			d tubing look good, CWIFN
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 we due to cost and low amount of water injected, lay down packer, release tubing testers, RIH w/ tubing and laid down 10 its dual lined 2 7/8" IPC and 100 its dual lined 2 3/8" tubing, CWIFN.         Daily Cost:       Curr. Cost:         Sep 22, 2012       Saturday       (Day 3)         POOH w/ 80 its 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:         MIRU PU from Waddell 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 ½ rental compression packer from Lea County Packers and 65 its 2 7/8" tubing, CWIFN.       Daily Cost:         Sep 28, 2012       Friday       (Day 5)       RIH w/ 235 joints, 300 JIW at 9706", set packer, loaded casing w/ 22 bbis, pressured up to 500 psi, casing pressure bleft from 500 psi to 100 psi in 7 minutes, POOH w/ 3 its, packer at 9608", set packer, loaded tubing w/ 20 bbis, pressure bleft of 15 mm, RIH w/ 10 bis, set sucker at 6007 i, loaded casing w/ 18 bt pressured to 500 psi, pressure bleft from 500 psi to 100 psi in 6 minutes, released packer, POOH w/ 20 its, 246 JIW, set packer at 6302, pressure test failed, POOH w/ 31 its, 266 JIW and set packer at 6167", loaded casing w/ 18 bt pressured to 500 psi, pressure fail from 500 psi to 100 psi in 6 min, released packer, POOH w/ 20 its, 246 JIW, set packer at 6302, incessure test failed, POOH w/ 31 its, 266 JIW and set packer at 6167", loaded casing w/ 18 bt pressure to 500 psi, pressure failed, POOH w/ 31 its, 266 JIW and set packer at 6167", loaded cas	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 we due to cost and low amount of water injected, lay down packer, release tubing testers, RIH w/ tubing and laid down 11 its 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 ½ rental compression packer from Lea County Packers and 65 its 2 7/8" tubing, CWIFN. Daily Cost: Cum. Cost: Sep 28, 2012 Friday (Day 5) RIH w/ 235 joints, 300 JIW 41 9706", set packer, loaded casing w/ 22 bbls, pressured up to 500 psi, casing pressure b ffrom 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608", set packer, loaded tubing w/ 20 bbls, pressu up to 500 psi, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer, loaded tubing w/ 20 bbls, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer and shut down at 3:00 pm due t heavy rain. Daily Cost: Cum. Cost: Cost. C			•
RU tubing testers, tubing was dual lined J-S5 IPC, did not have tools to test dual lined tubing, decided not to repair we due to cost and low amount of water injected, lay down packer, release tubing testers, RIH withbing and laid down 10 is dual lined 2 7/8* IPC and 100 is dual lined 2 3/8* tubing, CWIFN. Daily Cost: Cum. Cost: Sep 22, 2012 Saturday (Day 3) POOH wi 80 its 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) MIRU PU from Waddell 2301, Double R Pipe dellvered 2 7/8 work string, tallied tubing, RIH w/ 5 ½ rental compressic packer from Lea County Packers and 65 its 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 bi from 500 psi, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer, loaded tubing w/ 20 bbls, pressure to 500 psi, casing pressure bile from 500 psi to 100 psi in 7 minutes, POOH w/ 3 its, packer at 6607*, loaded casing w/ 18 bb pressured to 500 psi, pressure falled from 500 psi to 100 psi in 6 min, released packer, POOH w/ 30; p. 246 JIW, set packer at 6302, pressure taffaled, POOH w/ 31 its, 266 JIW and set packer, eaded tubing w/ 20 bbls, pressure test failed, POOH w/ 30; set packer at 6500, psi, pressure falled from 500 psi to 100 psi in 6 min, released packer, POOH w/ 20 its, 246 JIW, set packer at 6500 psi, pressure failed, POOH w/ 30; its, 246 JIW and set packer at 6607*, loaded casing w/ 18 bb pressured to 500 psi, pressure failed, POOH w/ 30; its, 246 JIW, set packer at 6104 reliand POOH w/ 30; its, 246 JIW, set packer at 6502, pressure test failed, POOH w/ 30; its, 246 JIW, set packer at 6104 reliand POOH w/ 30; its, 246 JIW, set packer at 6124*, pressure test failed, POOH w/ 30; its, 246 JIW, set packer at 61050; pressure test failed, POOH w/ 30; its,	RU lubing testers, tubing was dual lined J-55 (PC, did not have tools to test dual lined tubing, decided not to repair we due to cost and low amount of water injected, lay down packer, release tubing testers, RIH w/ tubing and laid down 11 is dual lined 2 7/8" IPC and 100 its dual lined 2 30" tubing, CWIFN. Daily Cost: Cum. Cost: Sep 22, 2012 Saturday (Day 3) POOH w/ 80 its 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) MIRU PU from Waddell 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 ½ rental compression packer from Lea County Packers and 65 its 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 b from 500 psi to 100 psi in 7 minutes, POOH w/ 3 its, packer at 6608", set packer, loaded tubing w/ 20 bbls, pressure bled off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 its, packer at 6608", pressure to 400 psi, casing w/ 82 bbls, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer, noaded tubing w/ 20 bbls, pressure bled off from 500 psi in 200 psi in 6 minutes, released packer, POOH w/ 20 its, 216 JIW, set packer at 6807", loaded casing w/ 18 bring ressure bild of 15 min, RIH w/ 10 its, pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6102", pressure test failed, POOH w/ 31 its, 286 JIW and set packer, POOH w/ 20 its, 246 JIW, set packer at 6106", pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6106", pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6106", pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6106", pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6106", pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6106", pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6106", pre	Sep 21, 2012 Friday	(Day 2)	
Cum. Cost: Sep 22, 2012 Saturday (Day 3) POOH w/ 80 its 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 ½ rental compression packer from Lea County Packers and 65 its 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 bing from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressure bing at 9608 w/ 297 JIW, POOH w/ 31 jts, 266 JIW and set packer at 6607', loaded casing w/ 18 bbls, pressure bing at 9608 w/ 297 JIW, POOH w/ 31 jts, 266 JIW and set packer at 656', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 656', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 616', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 616', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 616', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 616', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 616', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 616', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 616', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 616', pressure test failed, POOH w/ 30 jts, 216 JIW, set	Cum. Cost: Sep 22, 2012 Saturday (Day 3) POOH w/ 80 its 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) MR RU PU from Waddell 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 ½ rental compression packer from Lea County Packers and 65 its 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 bile 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 its, 266 JIW and set packer at 8607*, loaded casing w/ 18 bbl pressure to 500 psi, pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6888°, pressure test failed, POOH w/ 30 its, 126 JIW, set packer at 6500, is or 150 min, RIH w/ 10 its, IIW, set packer at 6502, loaded casing w/ 18 bbls, pressure to 500 psi for 16 min, RIH w/ 10 its, IIW, set packer at 6502, loaded casing w/ 18 bbls, pressure to 500 psi for 16 min, RIH w/ 10 its, IIW, set packer at 6502, loaded casing w/ 18 bbls, pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6507*, loaded rating w/ 18 bbls, pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6502, loaded casing w/ 18 bbls, pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6502, loaded casing w/ 18 bbls, pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6520, pressure test failed, POOH w/ 615, 190 JIW, set packer at 6124*, pressure test failed, POOH w/ 610 its, 190 JIW, set packer at 6124*, pressure test failed, POOH w/ 610 its, 190 JIW, set packer at 6124*, pressure test failed, POOH w/ 610 its, 190 JIW, set packer at 6124*, pressure test failed, POOH w/ 610 its, 190 JIW, set packer at 6124*, pressure test failed	RU tubing testers, tubing was dual idue to cost and low amount of wate	lined J-55 IPC, did not have tools to test dual lined or injected, lay down packer, release tubing testers	
Sep 22, 2012 Saturday (Day 3) POOH w/ 80 its 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 ½ rental compression packer from Lea County Packers and 65 its 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 b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608", set packer, loaded tubing w/ 20 bbls, pressu up to 500 psi, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer, loaded tubing w/ 20 bbls, pressure pto so0 psi, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer, POOH w/ 20 jts, 244 JIW, set packer at 9608 w/ 297 JIW, POOH w/ 31 jts, 266 JIW and set packer at 8607", loaded casing w/ 18 bb pressured to 500 psi, pressure test failed, POOH w/ 31 jts, 216 JIW, set packer at 6588', pressure test failed, POOH w/ 30 186 JIW, set packer at 6028, loaded casing w/ 18 bbls, pressured to 500 psi, pressure test failed, POOH w/ 30 186 JIW, set packer at 6028, loaded casing w/ 18 bbls, pressure to 500 psi for 15 min, RIH w/ 10 jts, 215 JIW, set packer at 6380', pressure test failed, POOH w/ 6 jts, 130 JIW, set packer at 6516', pressure test failed, POOH w/ 30 186 JIW, set packer at 6124', pressure test failed, casing leak between 6092' and 6124', released packer and CWIFN Daily Cost: Cum. Cost: Daily Cost: Cu	Sep 22, 2012 Saturday (Day 3) POOH w/ 80 its 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 ½ rental compression packer from Lea County Packers and 65 its 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 b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9606', set packer , loaded tubing w/ 20 bbls, pressure 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 t heavy rain. Daily Cost: Cum. Cost: Oct 1, 2012 Monday (Day 6) Packer released sitting at 9608 w/ 297 JIW, POOH w/ 31 its, 266 JIW and set packer at 6607', loaded casing w/ 18 bb pressure to 500 psi, pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6586', pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6582', pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6582', pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6582', pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6582', pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6582', pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6582', pressure test failed, POOH w/ 40 its, 148 JIW, set packer at 6502', casing pressure test failed, POOH w/ 5 its, 190 JIW, set packer at 6516', pressure test failed, POOH w/ 45 its, 190 JIW, set packer at 6516', pressure test failed, POOH w/ 6 its, 190 JIW, set packer at 6126', pressure test failed, POOH w/ 6 its, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 5 its, 190 JIW, set packer at 6126', pressure test failed, POOH w/ 6 its, 190 JIW, set packer at 6126', pressure test failed, POOH w/ 6 its, 1	-		•
POOH w/ 80 its 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: Curr. 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 ½ rental compression packer from Lea County Packers and 65 its 2 7/8" tubing, CWIFN. Daily Cost: Curr. 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 b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 its, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressu up to 500 psi, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer, loaded tubing w/ 20 bbls, pressure to 200 psi, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer, POOH w/ 20 its, 246 JIW, set packer released sitting at 9608 w/ 297 JIW, POOH w/ 31 its, 266 JIW and set packer at 8607', loaded casing w/ 18 bb pressured to 500 psi, pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6588', pressure test failed, POOH w/ 30 BJ JIW, set packer at 6028, loaded casing w/ 18 bbs, pressure to 500 psi, pressure test failed, POOH w/ 30 its, 246 JIW, set packer at 6028, casing pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6156', pressure test failed, POOH w/ 30 W z Its, 148 JIW, set packer at 6028, casing leak between 6092' and 6124', released packer and CWIFN Daily Cost: Curr. Cost: Dct 2, 2012 Tuesday (Day 7) POOH w/ 189 its tubing and packer, W/O orders from NM OCD. Daily Cost: Curr. Cost: Daily Cost:	POOH w/ 80 its 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: Curr. 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 ½ rental compression packer from Lea County Packers and 65 its 2 7/8° tubing, CWIFN. Daily Cost: Curr. 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 b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 its, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressu up to 500 psi, pressure bled off from 500 psi to 100 psi in 6 minutes, released packer, loaded tubing w/ 20 bbls, pressure theavy rain. Daily Cost: Curr. Cost: Oct 1, 2012 Monday (Day 6) Packer released sitting at 9608 w/ 297 JIW, POOH w/ 31 its, 266 JIW and set packer at 8607', loaded casing w/ 18 bb pressured to 500 psi, pressure test failed, POOH w/ 31 its, 266 JIW and set packer at 8607', loaded casing w/ 18 bb pressured to 500 psi, pressure test failed, POOH w/ 31 its, 266 JIW and set packer at 6166', pressure test failed, POOH w/ 30 JIX, set packer at 6988', pressure held for 15 min, RIH w/ 10 its, 216 JIW, set packer at 6302', pressure held for 15 min, RIH w/ 10 its, 216 JIW, set packer at 6128, loaded casing w/ 18 bbls, pressure to 500 psi, pressure held for 15 min, RIH w/ 10 its, 216 JIW, set packer at 6186', pressure held for 15 min, RIH w/ 10 its, 216 JIW, set packer at 6186', we set packer at 6302', 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: Curr. Cost: Daily Cost: Curr. Cost: Daily Cost: Curr. Cost: Daily Cost: Curr. Cost:			Cum. 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 ½ 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 b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressure 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: Dot 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 bbl packer at 7962', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6607', loaded casing w/ 18 bbl packer at 7962', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6507 pressure test failed, POOH w/ 30 186 JIW, set packer at 61028, loaded casing w/ 18 bbls, pressure to 500 psi, pressure test failed, POOH w/ 30 186 JIW, set packer at 61028, loaded casing w/ 18 bbls, pressure to 500 psi for 15 min, RIH w/ 10 jts, - 197 yits, 188 JIW, set packer at 6028, coaded casing w/ 18 bbls, pressure to 500 psi for 15 min, RIH w/ 10 jts, - 198 yits, 188 JIW, set packer at 6102, casing pressure test failed, POOH w/ 30 199 JIW, set packer at 6124', pressure test failed, casing leak between 6092' and 6124', released packer and CWIFN Daily Cost: Cum. Cost: Dot 2, 2012 Tuesday (Day 7) POOH w/ 189 jts tubing and packer, W/O orders from NM OCD. Daily Cost: Cum. Cost: Daily Cost: Cum. Cost: Da	Curr. Cost:         Sep 27, 2012 Thursday       (Day 4)         MI RU PU from Weddell 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 ½ rental compression packer from Lea County Packers and 65 its 2 7/8" tubing, CWIFN.       Daily 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 bole off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressure 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.         Dot 1, 2012 Monday       (Day 6)         Packer released sitting at 9608 w/ 297 JIW, POOH w/ 31 jts, 266 JIW and set packer, POOH w/ 20 jts, 248 JIW, set packer at 6028', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6156', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6156', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6156', pressure test failed, POOH w/ 30 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 30 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 30 jts, 190 JIW, set packer at 6124', pressure test failed, POOH w/ 30 jts, 190 JIW, set packer at 6124', pressure test failed, casing pressure test do 500 psi for 15 min, RIH w/ 10 jts, 180 JIW, set packer at 6124', pressure test failed, casing pressure test 6092' and 6124', released packer and CWIFN         Daily Cost:       Curn. Cost:         Dot 1, 2012 Tuesday       (Day 7)         PGOH w/ 189 jts tubing and packer, W/O orders from NM OCD.       Daily Cost: <td></td> <td>g, left 20 JIW for kill string, roustabouts hauled 28</td> <td>9 joints tubing and racks to CQ</td>		g, left 20 JIW for kill string, roustabouts hauled 28	9 joints tubing and racks to CQ
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 ½ 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 b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressure b off from 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: Dot 1, 2012 Monday (Day 6) Packer released sitting at 9608 w/ 297 JIW, POOH w/ 31 jts, 266 JIW and set packer at 6607', loaded casing w/ 18 bb pressured to 500 psi, pressure feel 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 6608', pressure test failed, POOH w/ 30 186 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 6028', casing 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: Dct 2, 2012 Tuesday (Day 7) POOH w/ 189 jts tubing and packer, W/O orders from NM OCD. Daily Cost: Cum. Cost: Daily Cost: Cum	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 ½ rental compression packer from Lea County Packers and 65 its 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 b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 its, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressure b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 its, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressure b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 its, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressure b theavy rain. Daily Cost: Cum. Cost: Oct 1, 2012 Monday (Day 6) Packer released sitting at 9608 w/ 297 JIW, POOH w/ 31 its, 266 JIW and set packer at 8607', loaded casing w/ 18 bt pressure to 500 psi, pressure test failed, POOH w/ 30 its, 216 JIW, set packer, POOH w/ 20 its, 248 JIW, set packer at 7962', pressure test failed, POOH w/ 30 its, 216 JIW, set packer, at 6986', pressure test failed, POOH w/ 30 186 JIW, set packer at 6028, loaded casing w/ 18 bbls, pressured to 500 psi, pressure test failed, POOH w/ 30 186 JIW, set packer at 6156', pressure test failed, POOH w/ 6 its, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 6 its, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 6 its, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 30 186 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 its tubing and packer, W/O orders from NM OCD. Daily Cost: Cum. Cost: Oct 3, 2012 Wednesday (Day 8) Naiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost: Oct 3, 2012 Wednesday (Day 8) Naiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost: Daily Cost: Cum			Daily Cost:
MIRU PU from Waddell 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 ½ rental compression packer from Lea County Packers and 65 its 2 7/8' tubing, CWIFN. Daily Cost: Curn. 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 b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 its, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressu 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: Curn. Cost: Oct 1, 2012 Monday (Day 6) acker released sitting at 9608 w/ 297 JIW, POOH w/ 31 its, 266 JIW and set packer at 6807', loaded casing w/ 18 bb pressured to 500 psi, pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6980', pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6028, loaded casing w/ 18 bbs, pressure to 500 psi, pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6980', pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6050', pressure test failed, POOH w/ 6 its, 190 JIW, set packer at 6128, loaded casing w/ 18 bbs, pressure to 500 psi, pressure test failed, POOH w/ 6 its, 190 JIW, set packer at 6180', pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6128, loaded casing w/ 18 bbs, pressure test failed, POOH w/ 30 its, 216 JIW, set packer at 6180', pressure test failed, POOH w/ 6 its, 190 JIW, set packer at 6180', pressure test failed, POOH w/ 6 its, 190 JIW, set packer at 6180', pressure test failed, Casing pressure tested good to 500 psi for 15 min, RIH w/ 1 it, 189 JIW, set packer at 6124', pressure test failed, casing leak between 6092' and 6124', released packer and CWIFN Daily Cost: Curn. Cost: Oct 2, 2012 Tuesday (Day 7) POOH w/ 189 its tubing and packer, W/O orders from NM OCD. Daily Cost: Curn. Cost: Oct 3, 2012 Wednesday (Day 8) Waiting on orders from NM OCD, rig and crew on standby. Daily Cost: Curn. Cost:	MIRU PU from Waddell 2301, Double R Pipe delivered 2 7/8 work string, tallied tubing, RIH w/ 5 ½ rental compression packer from Lea County Packers and 65 jts 2 7/8" tubing, CWIFN. Daily Cost: Curr. 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 bole off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressure to 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: Curr. Cost: Oct 1, 2012 Monday (Day 6) Packer released sitting at 9608 w/ 297 JIW, POOH w/ 31 jts, 266 JIW and set packer, POOH w/ 20 jts, 246 JIW, set packer at 6807', loaded casing w/ 18 bbls, pressure to 500 psi, pressure test failed, POOH w/ 30 jts, 216 JIW, set packer, at 6988', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6500', pressure test failed, POOH w/ 30 jts, 121 JIW, set packer at 6124', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6165', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6124', pressure test failed, Casing pressure test failed, POOH w/ 8 jts, 190 JIW, set packer at 6165', pressure test failed, POOH w/ 8 jts, 190 JIW, set packer at 6124', pressure test failed, Casing pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6124', pressure test failed, Casing pressure test failed, POOH w/ 8 jts, 190 JIW, set packer at 6124', pressure test failed, casing leak between 6092' and 6124', released packer and CWIFN Daily Cost: Curr. Cost: Dot 2, 2012 Tuesday (Day 7) POOH w/ 189 jts tubing and packer, W/O orders from NM OCD. Daily Cost: Curr. Cost: Dot 3, 2012 Wednesday (Day 8) Naiting on orders from NM OCD, rig and crew on standby. Daily Cost: Curr. Cost: C			Cum. Cost:
Curn. 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 b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressu 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: Curn. Cost: Dct 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 bt packer at 7962', 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, 216 JIW, set packer at 6500 psi, pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6988', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6500', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6165', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6126', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6165', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6126', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6126', pressure test failed, Casing pressure tested good to 500 psi for 15 min, RIH w/ 10 jts, 200 JW, 2 jts, 188 JIW, set packer at 6124', released packer and CWIFN Daily Cost: Dct 2, 2012 Tuesday (Day 7) POOH w/ 189 jts tubing and packer, W/O orders from NM OCD. Daily Cost: Dct 3, 2012 Wednesday (Day 8) Waiting on orders from NM OCD, rig and crew on standby. Daily Cost: Curn. Cost: Daily Cost: Curn. Cost: Dai	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 b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressu 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 6087', loaded casing w/ 18 bb 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 7862', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6988', pressure held for 15 min, RIH w/ 10 jts, 186 JIW, set packer at 6028, loaded casing w/ 18 bbls, pressure to 500 psi, pressure held for 15 min, RIH w/ 10 jts, 180 JIW, set packer at 6350', pressure test failed, POOH w/ 30 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 30 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 30 jts, 180 JIW, set packer at 6156', pressure test failed, POOH w/ 20 jts, 180 JIW, set packer at 6022', 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 CWFN Daily Cost: Cum. Cost: Doct 2, 2012 Tuesday (Day 7) POOH w/ 189 jts tubing and packer, W/O orders from NM OCD. Daily Cost: Daily Cost: Cum. C	MI RU PU from Waddell 2301, Doul	ble R Pipe delivered 2 7/8 work string, tallied tubin	-
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 bl off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressur 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: Curn. Cost: Oct 1, 2012 Monday (Day 6) Packer released slitting at 9608 w/ 297 JIW, POOH w/ 31 jts, 266 JIW and set packer at 8607', loaded casing w/ 18 bb pressured to 500 psi, pressure fell from 500 psi to 100 psi in 6 min, released packer, POOH w/ 20 jts, 246 JIV, set packer at 7962', pressure test failed, POOH w/ 31 jts, 216 JIW, set packer at 6808', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6350', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6350', pressure test failed, POOH w/ 6 jts, 190 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: Curn. Cost: Dot 2, 2012 Tuesday (Day 7) POOH w/ 189 jts tubing and packer, W/O orders from NM OCD. Daily Cost: Curn. Cost: Dot 3, 2012 Wednesday (Day 8) Waiting on orders from NM OCD, rig and crew on standby. Daily Cost: Curn. Cost: Daily Cost: Curn. Cost: Da	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 b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressu 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 bb 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, 216 JIW, set packer at 6156', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6156', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6156', pressure test failed, POOH w/ 4 jts, 188 JIW, set packer at 6124', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 20 jts, 246 JIW, set packer at 6124', pressure test failed, casing pressure tested good to 500 psi or 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) Naiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum.			•
RIH w/ 235 joints, 300 JIW at 9706', set packer, loaded casing w/ 22 bbls, pressured up to 500 psi, casing pressure b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressu 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: Curn. Cost: Doct 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 bt pressured to 500 psi, pressure test failed, POOH w/ 31 jts, 266 JIW and set packer at 8607', loaded casing w/ 18 bt pressured to 500 psi, pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6988', pressure test failed, POOH w/ 30 I86 JIW, set packer at 6028, loaded casing w/ 18 bbls, pressured to 500 psi, pressure held for 15 min, RIH w/ 10 jts, 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 at CWFN Daily Cost: Curn. Cost: Doct 2, 2012 Tuesday (Day 7) POOH w/ 189 jts tubing and packer, W/O orders from NM OCD. Daily Cost: Doct 3, 2012 Wednesday (Day 8) Vaiting on orders from NM OCD, rig and crew on standby. Daily Cost: Curn. Cost:	RIH w/ 235 joints, 300 JIW at 9706', set packer, loaded casing w/ 22 bbls, pressured up to 500 psi, casing pressure b off from 500 psi to 100 psi in 7 minutes, POOH w/ 3 jts, packer at 9608', set packer, loaded tubing w/ 20 bbls, pressu 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 bt 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, 216 JIW, set packer at 6986', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6156', pressure test failed, POOH w/ 30 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 8 jts, 190 JIW, set packer at 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) Naiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost: Cum. Cost: Cum. Cost:	Son 28 2012 Eriday	(Day5)	Gum. Gost.
Cum. Cost: Dct 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 bb 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/ 30 186 JIW, set packer at 6028, loaded casing w/ 18 bbls, pressured to 500 psi, pressure test failed, POOH w/ 30 186 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: Dct 2, 2012 Tuesday (Day 7) POOH w/ 189 jts tubing and packer, W/O orders from NM OCD. Daily Cost: Dct 3, 2012 Wednesday (Day 8) Waiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost: Daily Cost: Cum. Cost: Cum. C	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 bt 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/ 30 186 JIW, set packer at 6028, loaded casing w/ 18 bbls, pressured to 500 psi, pressure held for 15 min, RIH w/ 10 jts, 11W, 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) Nating on orders from NM OCD, rig and crew on standby. Daily Cost: Cum.	RIH w/ 235 joints, 300 JIW at 9706', off from 500 psi to 100 psi in 7 minu	, set packer, loaded casing w/ 22 bbls, pressured t tes, POOH w/ 3 jts, packer at 9608', set packer, 14	baded tubing w/ 20 bbls, pressu and shut down at 3:00 pm due to
Dct 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 bb         packer at 7962', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6988', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6988', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6988', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6988', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6028, loaded casing w/ 18 bbs, pressured to 500 psi, pressure held for 15 min, RIH w/ 10 jts, 180 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:       Cum. Cost:         Oct 3, 2012       Wednesday       (Day 8)         Waiting on orders from NM OCD, rig and crew on standby.       Daily Cost:         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 bt         packer released sitting at 9608 w/ 297 JIW, POOH w/ 31 jts, 266 JIW and set packer at 8607', loaded casing w/ 18 bt         packer at 7862', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6988', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6028, loaded casing w/ 18 bts, pressure to 500 psi, pressure test failed, POOH w/ 30 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 10 jts, 190 JIW, set packer at 6350', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 6156', pressure test failed, POOH w/ 10 jts, 189 JIW, set packer at 6092', casing pressure test dood 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:         Oct 3, 2012 Wednesday       (Day 8)         Naiting on orders from NM OCD, rig and crew on standby.       Daily Cost:         Cum. Cost:       Daily Cost:         Queck 4: Cost 2:       Cum. Cost:         Cum. Cost:       Cum. Cost:			•
Packer released sitting at 9608 w/ 297 JIW, POOH w/ 31 jts, 266 JIW and set packer at 8607', loaded casing w/ 18 bb 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 (86 JIW, set packer at 6028, loaded casing w/ 18 bbls, pressured to 500 psi, pressure held for 15 min, RIH w/ 10 jts, HW, 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: Dct 2, 2012 Tuesday (Day 7) POOH w/ 189 jts tubing and packer, W/O orders from NM OCD. Daily Cost: Cum. Cost: Dct 3, 2012 Wednesday (Day 8) Vaiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost:	Decker released sitting at 9608 w/ 297 JIW, POOH w/ 31 jts, 266 JIW and set packer at 8607', loaded casing w/ 18 bt 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 7862', pressure test failed, POOH w/ 30 jts, 216 JIW, set packer at 6988', pressure test failed, POOH w/ 30 186 JIW, set packer at 6028, loaded casing w/ 18 bbs, pressure to 500 psi, pressure held for 15 min, RIH w/ 10 jts, JIW, set packer at 6350', pressure test failed, POOH w/ 6 jts, 190 JIW, set packer at 616', 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) Naiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost: Daily Cost: Cum. Cum. Cum. Cum. Cum. Cum. Cum	Oct 1, 2012 Monday		-
Cum. Cost: Dct 2, 2012 Tuesday (Day 7) POOH w/ 189 its tubing and packer, W/O orders from NM OCD. Daily Cost: Cum. Cost: Doct 3, 2012 Wednesday (Day 8) Waiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost: Daily Cost: Cum. Cost:	Cum. Cost: Oct 2, 2012 Tuesday (Day 7) POOH w/ 189 its tubing and packer, W/O orders from NM OCD. Daily Cost: Cum. Cost: Oct 3, 2012 Wednesday (Day 8) Naiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost: Cum. Cost:	Packer released sitting at 9608 w/ 2 pressured to 500 psi, pressure fell fr packer at 7962', pressure test failed 186 JIW, set packer at 6028, loaded JIW, set packer at 6350', pressure to w/ 2 jts, 188 JIW, set packer at 6092	rom 500 psi to 100 psi in 6 min, released packer, F , POOH w/ 30 jts, 216 JIW, set packer at 6988', pr i casing w/ 18 bbls, pressured to 500 psi, pressure est failed, POOH w/ 6 jts, 190 JIW, set packer at 6 2', casing pressure tested good to 500 psi for 15 m	POOH w/ 20 jts, 246 JIW, set ressure test failed, POOH w/ 30 held for 15 min, RIH w/ 10 jts, 156', pressure test failed, POOH in, RIH w/ 1 jt, 189 JIW, set packer and CWIFN
POOH w/ 189 jts tubing and packer, W/O orders from NM OCD. Daily Cost: Cum. Cost: Doct 3, 2012 Wednesday (Day 8) Waiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost:	Devold w/ 189 its tubing and packer, W/O orders from NM OCD. Daily Cost: Cum. Cost: Det 3, 2012 Wednesday (Day 8) Waiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost: Cum. Cost:			•
POOH w/ 189 jts tubing and packer, W/O orders from NM OCD. Daily Cost: Cum. Cost: Doct 3, 2012 Wednesday (Day 8) Vaiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost:	Devold w/ 189 its tubing and packer, W/O orders from NM OCD. Daily Cost: Cum. Cost: Det 3, 2012 Wednesday (Day 8) Waiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost: Cum. Cost:	Oct 2, 2012 Tuesday	(Day 7)	
Cum. Cost: Dct 3, 2012 Wednesday (Day 8) Vaiting on orders from NM OCD, rig and crew on standby. Daily Cost:	Cum. Cost: Oct 3, 2012 Wednesday (Day 8) Waiting on orders from NM OCD, rig and crew on standby. Dally Cost: Cum. Cost: Cum. Cost:			
Oct 3, 2012 Wednesday (Day 8) Vaiting on orders from NM OCD, rig and crew on standby. Daily Cost:	Dct 3, 2012 Wednesday (Day 8) Naiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost:		· · · · · · · · · · · · · · · · · · ·	•
Vaiting on orders from NM OCD, rig and crew on standby. Daily Cost:	Naiting on orders from NM OCD, rig and crew on standby. Daily Cost: Cum. Cost:			Cum. Cost:
Daily Cost:	Daily Cost: Cum. Cost: وفاحق مجتمعها المراجع المحمد ال	· · · · · · · · · · · · · · · · · · ·		,
Cum Cost	cum. Cost: പ്രതിക്കായായം Accepted for Record Only	waiting on orders from NM OCD, rig	and crew on standby.	Daily Cost
and a state of a state of Accepted for Record Only	and a success of A succession Accepted for Record Only			Cum Cost:
	-			

.

·· ,

٠

1025-22932 tote 2742	(Suc)	HOBBS O	CD
27-14-32=	CrownQuest	NOV 142	013
015-6601E	DAILY OPERATIONS REPORT		
013 - QOUE	State 27 # 2	RECEIVE	Ð
	Printed Oct 31, 2012 Page 2 of 4		
State 27 # 2	Lea Co., NM	Property#: 20	00996-(
Zone: 1 Field: Tulk			
Oct 4, 2012 Thursday	(Day 9) nd laid down 292 jts 2 7/8* work string, RD MO to State 2		
Rin w 292 jis lubing, POOR an	ia lab down 292 jis 2 7/6 work string, RD WO to State 2	20-5. Daily Cost:	
		Cum. Cost:	
Oct 11, 2012 Thursday	(Day 10)		
pressure held, POOH and set pa at 6051', pressure tested casing	t, release RBP and set at 9690', set packer at 9674', pro- acker at 6219', pressure tested to 500# for 15 min, pres to 500 psi, pressure held, RU pump truck and pumped i, opened 8 5/8" intermediate valve, no pressure or flow	sure held, POOH and down tubing into cas	d set pa sing lea
		Daily Cost:	
<b>. .</b>		Cum. Cost:	
Oct 12, 2012 Friday	(Day 11)		
min at 2000 psi, total of 10 bbls,	051', loaded and pressure casing to 500 psi, pumped do no flow out of intermediate, released packer and RIH to	o 6124', spotted 350	gal. 209
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p		o 6124', spotted 350 sured casing to 500 p no flow out of interm VIFN.	gal. 209 osi, pum
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p	no flow out of intermediate, released packer and RIH to 4 jts, reversed 12 bbls water, set packer at 5989', press osi, max rate 0.8 bpm, avg rate .6 bpm, total of 16 bbls,	o 6124', spotted 350 sured casing to 500 p no flow out of interm VIFN. Daily Cost:	gal. 209 osi, pum
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p pump down, ISIP 1800 psi, bled	no flow out of intermediate, released packer and RIH to 4 jts, reversed 12 bbls water, set packer at 5989', press osi, max rate 0.8 bpm, avg rate .6 bpm, total of 16 bbls, down to 0 psi in 3 min, RD and release pump truck, CV	o 6124', spotted 350 sured casing to 500 p no flow out of interm VIFN.	gal. 209 osi, pum
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p pump down, ISIP 1800 psi, bled Oct 15, 2012 Monday Release packer 5989' and RIH t leaked, RIH to 6114' pumped do	no flow out of intermediate, released packer and RIH to 4 jts, reversed 12 bbls water, set packer at 5989', press osi, max rate 0.8 bpm, avg rate .6 bpm, total of 16 bbls, down to 0 psi in 3 min, RD and release pump truck, CV (Day 12) to 6100' set packer, pressure tested casing to 500 psi, h own casing, leaked, tubing pressure tested to 500 psi, re and RBP, RIH w/ 5 ½'' CIBP, tried to set at 6264' ,would	o 6124', spotted 350 sured casing to 500 p no flow out of interme VIFN. Daily Cost: Cum. Cost: eld, pumped down to bleased packer and F	gal. 209 osi, pum ediate, s ubing, RH to 9
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p pump down, ISIP 1800 psi, bled Oct 15, 2012 Monday Release packer 5989' and RIH t leaked, RIH to 6114' pumped do release RBP, POOH w/ packer a	no flow out of intermediate, released packer and RIH to 4 jts, reversed 12 bbls water, set packer at 5989', press osi, max rate 0.8 bpm, avg rate .6 bpm, total of 16 bbls, down to 0 psi in 3 min, RD and release pump truck, CV (Day 12) to 6100' set packer, pressure tested casing to 500 psi, h own casing, leaked, tubing pressure tested to 500 psi, re and RBP, RIH w/ 5 ½'' CIBP, tried to set at 6264' ,would	o 6124', spotted 350 sured casing to 500 p no flow out of interme VIFN. Daily Cost: Cum. Cost: eld, pumped down to bleased packer and F	gal. 209 osi, pum ediate, s ubing, RH to 9
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p pump down, ISIP 1800 psi, bled Oct 15, 2012 Monday Release packer 5989' and RIH t leaked, RIH to 6114' pumped do release RBP, POOH w/ packer a CIBP, POOH w/ 16 stands, CWI	no flow out of intermediate, released packer and RIH to 4 jts, reversed 12 bbls water, set packer at 5989', press osi, max rate 0.8 bpm, avg rate .6 bpm, total of 16 bbls, down to 0 psi in 3 min, RD and release pump truck, CV (Day 12) to 6100' set packer, pressure tested casing to 500 psi, h own casing, leaked, tubing pressure tested to 500 psi, re and RBP, RIH w/ 5 ½'' CIBP, tried to set at 6264' ,would FN.	o 6124', spotted 350 sured casing to 500 p no flow out of interme VIFN. Daily Cost: Cum. Cost: eld, pumped down tu eleased packer and R not set, POOH to 62	gal. 209 osi, pum ediate, s ubing, RH to 9
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p pump down, ISIP 1800 psi, bled Oct 15, 2012 Monday Release packer 5989' and RIH t leaked, RIH to 6114' pumped do release RBP, POOH w/ packer a CIBP, POOH w/ 16 stands, CWI Oct 16, 2012 Tuesday POOH w/ tubing, RIH w/ packer and set packer at 5957', pressur 0.5 BPM at 1800 psi, broke circu	no flow out of intermediate, released packer and RIH to 4 jts, reversed 12 bbls water, set packer at 5989', press osi, max rate 0.8 bpm, avg rate .6 bpm, total of 16 bbls, down to 0 psi in 3 min, RD and release pump truck, CV (Day 12) to 6100' set packer, pressure tested casing to 500 psi, h own casing, leaked, tubing pressure tested to 500 psi, re and RBP, RIH w/ 5 ½'' CIBP, tried to set at 6264' ,would	o 6124', spotted 350 j sured casing to 500 p no flow out of interme VIFN. Daily Cost: Cum. Cost: eld, pumped down tu leased packer and R not set, POOH to 62 Daily Cost: Cum. Cost: si for 15 min, good to ater down tubing into into steel pit, pumped	gal. 209 osi, purr ediate, s ubing, RH to 9 225' set est, PO0 casing
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p pump down, ISIP 1800 psi, bled Oct 15, 2012 Monday Release packer 5989' and RIH t leaked, RIH to 6114' pumped do release RBP, POOH w/ packer a CIBP, POOH w/ 16 stands, CWI Oct 16, 2012 Tuesday POOH w/ tubing, RIH w/ packer and set packer at 5957', pressur 0.5 BPM at 1800 psi, broke circu	no flow out of intermediate, released packer and RIH to 4 jts, reversed 12 bbls water, set packer at 5989', press osi, max rate 0.8 bpm, avg rate .6 bpm, total of 16 bbls, down to 0 psi in 3 min, RD and release pump truck, CV (Day 12) to 6100' set packer, pressure tested casing to 500 psi, h own casing, leaked, tubing pressure tested to 500 psi, re and RBP, RIH w/ 5 ½'' CIBP, tried to set at 6264' ,would FN. (Day 13) to 6215', set packer and pressure tested CIBP to 500 psi te tested casing to 500 psi and held, pumped 15 bbls wa plation up 8 5/8" casing, flowed back heavy black water i	o 6124', spotted 350 sured casing to 500 p no flow out of interme VIFN. Daily Cost: Cum. Cost: Daily Cost: Daily Cost: Daily Cost: Cum. Cost: Si for 15 min, good te ater down tubing into into steel pit, pumped Daily Cost:	gal. 209 osi, purr ediate, s lbing, ltH to 9 25' set est, POC casing d 40 bbl \$18,
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p pump down, ISIP 1800 psi, bled Oct 15, 2012 Monday Release packer 5989' and RIH t leaked, RIH to 6114' pumped do release RBP, POOH w/ packer a CIBP, POOH w/ 16 stands, CWI Oct 16, 2012 Tuesday POOH w/ tubing, RIH w/ packer and set packer at 5957', pressur 0.5 BPM at 1800 psi, broke circu fresh water, returns were clean.	no flow out of intermediate, released packer and RIH to 4 jts, reversed 12 bbls water, set packer at 5989', press osi, max rate 0.8 bpm, avg rate .6 bpm, total of 16 bbls, down to 0 psi in 3 min, RD and release pump truck, CV (Day 12) to 6100' set packer, pressure tested casing to 500 psi, h own casing, leaked, tubing pressure tested to 500 psi, re and RBP, RIH w/ 5 ½'' CIBP, tried to set at 6264' ,would FN. (Day 13) to 6215', set packer and pressure tested CIBP to 500 psi te tested casing to 500 psi and held, pumped 15 bbls wa ilation up 8 5/8" casing, flowed back heavy black water i CWIFN. Ordered wire line to perforate casing 10-17-12	o 6124', spotted 350 j sured casing to 500 p no flow out of interme VIFN. Daily Cost: Cum. Cost: eld, pumped down tu leased packer and F not set, POOH to 62 Daily Cost: Cum. Cost: si for 15 min, good te ater down tubing into into steel pit, pumped	gal. 209 osi, purr ediate, s ubing, RH to 9 225' set 225' set est, PO( casing 1 40 bbl
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p pump down, ISIP 1800 psi, bled Oct 15, 2012 Monday Release packer 5989' and RIH t leaked, RIH to 6114' pumped do release RBP, POOH w/ packer at CIBP, POOH w/ 16 stands, CWI Oct 16, 2012 Tuesday POOH w/ tubing, RIH w/ packer and set packer at 5957', pressur 0.5 BPM at 1800 psi, broke circu fresh water, returns were clean. Oct 17, 2012 Wednesday RU Black Warrior wire line, RIH to	no flow out of intermediate, released packer and RIH to 4 jts, reversed 12 bbls water, set packer at 5989', press osi, max rate 0.8 bpm, avg rate .6 bpm, total of 16 bbls, down to 0 psi in 3 min, RD and release pump truck, CV (Day 12) to 6100' set packer, pressure tested casing to 500 psi, h bwn casing, leaked, tubing pressure tested to 500 psi, re and RBP, RIH w/ 5 ½'' CIBP, tried to set at 6264' ,would FN. (Day 13) to 6215', set packer and pressure tested CIBP to 500 psi te tested casing to 500 psi and held, pumped 15 bbls wa lation up 8 5/8' casing, flowed back heavy black water i CWIFN. Ordered wire line to perforate casing 10-17-12 (Day 14) w/ 1' x 1 9/16' casing punch gun to packer and correlate	o 6124', spotted 350 j sured casing to 500 p no flow out of interme VIFN. Daily Cost: Cum. Cost: Daily Cost: Cum. Cost: Daily Cost: Cum. Cost: Si for 15 min, good te ater down tubing into into steel pit, pumped Daily Cost: Cum. Cost: Daily Cost: Cum. Cost:	gal. 209 osi, purr ediate, s abing, till to 9 225' set 240 bbl \$18, \$18, \$18,
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p pump down, ISIP 1800 psi, bled Oct 15, 2012 Monday Release packer 5989' and RIH t leaked, RIH to 6114' pumped do release RBP, POOH w/ packer at CIBP, POOH w/ 16 stands, CWI Oct 16, 2012 Tuesday POOH w/ tubing, RIH w/ packer and set packer at 5957', pressur 0.5 BPM at 1800 psi, broke circu fresh water, returns were clean. Oct 17, 2012 Wednesday RU Black Warrior wire line, RIH to and tally within 2'), RIH to 6104' nole located in middle of joint, se pump truck, pump down tubing ( circulated 83 bbls fresh water, returns w	(Day 12) (Day 13) (Day 14) (Day 14) (Da	o 6124', spotted 350 j sured casing to 500 p no flow out of interma VIFN. Daily Cost: Cum. Cost: Daily Cost: Cum. Cost: Daily Cost: Cum. Cost: Si for 15 min, good te ater down tubing into into steel pit, pumped Daily Cost: Cum. Cost: Daily Cost: Cum. Cost: Cum. Cost: Cum. Cost: Cum. Cost: Daily Cost: Cum. Cum. Cum. Cum. Cum. Cum. Cum. Cum.	gal. 209 osi, purr ediate, s adiate, s lift to 9 225' set st, POC casing d 40 bbl \$18, \$18, \$18, ( CCL (ing hole ine, RU M at 800 at 5957
min at 2000 psi, total of 10 bbls, double inhibited HCL, POOH w/ ½ bbl min down tubing at 2140 p pump down, ISIP 1800 psi, bled Oct 15, 2012 Monday Release packer 5989' and RIH t leaked, RIH to 6114' pumped do release RBP, POOH w/ packer at CIBP, POOH w/ 16 stands, CWI Oct 16, 2012 Tuesday POOH w/ tubing, RIH w/ packer and set packer at 5957', pressur 0.5 BPM at 1800 psi, broke circu fresh water, returns were clean. Oct 17, 2012 Wednesday RU Black Warrior wire line, RIH to and tally within 2'), RIH to 6104' nole located in middle of joint, se pump truck, pump down tubing ( circulated 83 bbls fresh water, re pressure tested tubing to 2000 p	(Day 12) (Day 13) (Day 14) (Day 14) (Da	o 6124', spotted 350 j sured casing to 500 p no flow out of interma VIFN. Daily Cost: Cum. Cost: Daily Cost: Cum. Cost: Daily Cost: Cum. Cost: Si for 15 min, good te ater down tubing into into steel pit, pumped Daily Cost: Cum. Cost: Daily Cost: Cum. Cost: Cum. Cost: Cum. Cost: Cum. Cost: Daily Cost: Cum. Cum. Cum. Cum. Cum. Cum. Cum. Cum.	gal. 209 osi, purr ediate, s adiate, s lift to 9 225' set st, POC casing d 40 bbl \$18, \$18, \$18, ( CCL (ing hole ine, RU M at 800 at 5957

w<sup>\$</sup>ii

٠

٠

.

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, CW.         Daily Cost:       Cum. Cost:       \$18,0         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 tagge 9807', 143' fill above PBTD, 85' fill above perfs, POOH w/ 14 jts, CWIFN.       Daily Cost:         Cum, Cost:       \$18,0         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 do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN.       Daily Cost:         Curn. Cost:       \$18,0         Oct 25, 2012       Thursday       (Day 20)         POOH and laid down 314 jts work string tubing, moved off racks, racked and tallied Satta IPC, CWIFN.       Daily Cost:         Daily Cost:       Daily Cost:       S18,0	127#2		HOBBS C	CD
IS       - (g (g)   E       DAILY OPERATIONS REPORT       NOV 1 4 2013         State 27 # 2         Printed 0x 31, 2012 Page 3 of 4         RECEIVED         State 27 # 2         Lee Co, NM       Property# 20098-02         Zone: 1 Field: Tulk         Cone: 1 Field: Tulk         Private dots black and water, shard bade coment 200 sax Class: C 500/07/01 11.84: 31 BPM @ 700 pit, pressure         Cone of ball breade and ecement on celane: reversed on 14 & bbis water and 1 bbi cement, RD and release cement POOH w194 [is tubing and stinger, reversed on 14 & bbis water and 1 bbi cement, RD and release cement POOH w194 [is tubing, lagged cement on telane: reverse unit, CWIFN.         Daily Cost:         Curr. Cost: \$18,0         Curr. Cost: \$18,0         Curecolspan="2">Cost 22, 2012 Monday       (Day 16)	7-14-32	GrownQuest		
State 27 # 2 Printed Oct 31, 2012         Page 3 of 4         RECEIVED           State 27 # 2 Lee Co., NM         Property# 20096-02           Zone: 1 Field: Tulk         Property# 20096-02           Oct 18, 2012         Thursday         (Day 15)           RU Rising State carmentors, held safety meeting, pressure tested lines and manifold, put 500 pai on 5 ½ casing, lost pressure due to leak in manifold, pumped fresh water spacer and broke circulation with 15 bbls at rate of 3 BPM & 70 pai, pressure droped at the end of lead cernent to 4 BPM @ 020 psi, stated lead Cernent 20 sax Class C 60/50/10 11.8#, 3 BPM @ 70 ppi, pressure droped at the end of lead cernent to 4 BPM @ 020 psi, stated line 01 saw Class C next 1.4#, 3.5 BPM @ 200 psi, after 32 bbls displacement if droped at the end of lead cernent to 4 BPM @ 020 psi, state Class C next 1.4#, 3.5 BPM @ 200 psi, bett down droped at the end of lead cernent to 4 BPM @ 020 psi, state Class C next 1.4#, 3.5 BPM @ 200 psi, bett down droped at the singer, shut BOP and CWIFN.           Rising Star Services: \$14,199.92         Lea County Packers: \$2000           Chotaw #6; \$183.00         Daily Cost: Curn. Cost: \$18,0           Oct 19, 2012         Friday (Day 16)           RIH wi 4 ½'r mill tocht bit, bit sub, 6.3.5' drill collars, 177 jis tubing, tagged cernent at 5913', top of retainer at 5955', carnent on retainer, PCOH wi 2 stands, RU stripping head and reverse unit, CWIFN.           Oct 22, 2012         Monday (Day 17)           RIH wi 2 stands tagged at 5913', drilled out 133' coment to CICR at 5955', hydraulic filters plugged up on swivel, replaced and drilled out retainer in 3 hours and 17' ceme			NOV 14	201 <b>3</b>
Printed Oct 31, 2012         Page 3 of 4         RECEIVED           State 27 # 2         Lee Co., NM         Property#: 200996-02           Zone: 1 Field: Tulk         (Day 15)           CU ct 18, 2012         Thursday         (Day 15)           RU Rising Stat cementers, held safety meeting, pressure tested lines and manifold, put 500 psi on 5 ½ casing, lost pressure due to leak in manifold, pumped fresh water spacer and broke circulation with 15 bbls at rate of 3 BPM & 700 psi, pressure due to leak in manifold, pumped fresh water spacer and broke circulation with 15 bbls at rate of 3 BPM & 200 psi, stated tail 100 sax Class C 5050/10 11.8, 3 BPM & 200 psi, psi ut down to wash and flush lines to pt, stated 24 bbl displacement at 2 BPM & 200 psi, stated tail 00 sax Class C neet 14.8, 35 BPM & 200 psi, stat down and sting out of CICR, pulle stand tubing, leaving 1 bbl cement no relainer, reversed out 45 bbl subter 32 bbl displacement 12 BPM & 200 psi, stated tail 0.0 sax class C neet 14.8, 35 BPM & 200 psi, stated tail 0.0 sax class C neet 14.8, 35 BPM & 200 psi, stated tail 0.0 sax class C neet 14.8, 35 BPM & 200 psi, stated tail 0.0 sax class C neet 14.8, 35 BPM & 200 psi, stated tail 0.0 sax class C neet 14.8, 35 BPM & 200 psi, stated tail 0.0 sax class C neet 14.8, 35 BPM & 200 psi, stated tail 0.0 sax class C neet 14.8, 35 BPM & 200 psi, stated tail 0.0 sax class C neet 14.8, 35 BPM & 200 psi, stated tail 0.0 sax class C neet 14.8, 35 BPM & 200 psi, stated tail 0.0 sax class C neet 14.8, 35 BPM & 200 psi, stated tail 0.0 sax class C neet 14.8, 35 BPM & 200 psi, stated tail 0.0 sax class	12 - 66012			
Zone: 1 Field: Tulk       (Day 15)         RU Rising Start commenters, held safety meeting, pressure tested lines and manifold, put 500 psi on 5 ½" casing, lost pressure due to leak in manifold, pumped fresh water spacer and broke circulation with 15 bbls at rate of 3 BPM at 7 psi, pumped 20 bbls treated water, started lead comment 200 sax Class C 50/50/10 11.8#, 3 BPM (200 psi, pressure due to leak in manifold, pumped 20 bbls treated water, started lead comment 20 Sax Class C 50/50/10 11.8#, 3 BPM (200 psi, personaum due to lead in the and of lead comment to 4 BPM (200 psi, bit down and sting out of CICR, pulle stand tubing, leaving 1 bbl cernent on relainer, reversed out 45 bbls water and 1 bbl cernent, RD and release cernent POOH w/ 184 jts tubing and stinger, shut BOP and CWIFN.         Rising Star Services: \$14, 199, 92       Lea County Packers: \$2000         Chotaw #0: \$183,00       Daily Cost:         Curr. Cost:       \$18,000         Chi 19, 2012       Friday       (Day 16)         RIH w/ 4 ½" mill tooth bit, bit sub, 6 -3.5" drill collars, 177 jts tubing, tagged cement at 5913', top of retainer at 5955', cement on retainer, POOH w/ 2 stands, RU stripping head and reverse unit, CWIFN.       Daily Cost:         Curr. Cost:       \$18,000       Curr. Cost:       \$18,000         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, CW Daily Cost:       Curr. Cost:       \$18,000         Cot 23, 2012       Tuesday       (Day 18)       Curr. Cost: <th></th> <th></th> <th>RECEIV</th> <th>ED</th>			RECEIV	ED
Oct 18, 2012       Thursday       (Day 15)         RU Rising Start cementers, held safety meeting, pressure tested lines and manifold, put 500 psi on 5 ½" casing, lost         Pressure due to leak in manifold, pumped 100 sax Class C 50/50/10 11.8#, 3 BPM @700 psi, pressure         Variant in the end of lead coment to 4 BPM @ 200 psi, started tail 100 sax Class C casin 14.8#, 3 SB BPM @700 psi, pressure         BPM @ 300 psi, but intermediate valve, displaced 1 but (I BPM @ 800 psi, shut down and sting out of CICR, pulle         Start Gavines, S14, 199.92         Lea County Packers: \$2000         Chotataw #8; \$1834.00         Daily Cost:         Curr, Cost:       \$18, down and stinger, shut BOP and CWIFN.         Rising Star Services:       \$14, 199.92         Lea County Packers:       \$2000         Coct 19, 2012       Friday         (Day 16)       RIH wi 4 %" mill tooth bit, bit sub, 6 -3.5" drill collars, 177 jls tubing, tagged cement at 5913', top of retainer at 5955', cament on retainer, POOH w/ 2 stands, RU stripping head and reverse unit, CWIFN.         Daily Cost:       Curr, Cost:       \$18, down and stinger, shut been set and stripped up on switch down and stinger shut been set and stripped up on switch replaced and drilled out retainer in 3 hours and 17' cament below retainer, drilled out total of 59' cament, CW Daily Cost:         Curr, Cost:       \$18, down and stinger shut 20' started to 11 038' defined out in 3 hrs, RIH and tagge 3007', 143' fill above PBTD, 85' fil above perfs, POOH w/ 14 is, CWI	State 27 # 2	Lea Co., NM	Property#: 20	00996-02
FU Rising Start commenters, held safety meeting, pressure tested lines and manifold, put 500 psi on 5 ½ casing, lost pressure due to leak in manifold, pumped fresh water spacer and broke circulation with 15 bbls at rate of 3 BPM at 7 psi, pumped 20 bbls treated water, started lead cement 200 sax Class C 50/50/10 1.0Å; 3 BPM @ 700 psi, pressure dropped at the end of lead cement to 4 BPM @ 200 psi, started tail 100 sax Class C 50/50/10 1.0Å; 3 BPM @ 700 psi, pressure to wash and flux lines to pit, started 34 bbl (bisplacement at 2 BPM @ 500 psi), shut down and sting out of CICR, pulle stand tubing, leaving 1 bbl cement on retainer, reversed out 45 bbls water and 1 bbl cement, RD and release cement POOH w/ 184 jts tubing and stinger, shut BOP and CWIFN.         Rising Star Services: \$14,199.92       Lea County Packers: \$2000         Chootaw #9: \$1834.00       Daily Cost:         Cum. Cost:       \$18,0         Oct 19, 2012       Friday       (Day 16)         RIH w/ 4 %' mill toch bit, bit sub, 6-3.5' drill collars, 177 jts tubing, tagged cement at \$913', top of retainer at 595', cament on retainer, POOH w/ 2 stands, RU stripping head and reverse unit, CWIFN.       Daily Cost:         Cut 22, 2012       Monday       (Day 17)       RIH w/ 2 stands, 177 JIM, 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, CW         Daily Cost:       Cum. Cost:       \$18,0         Oct 23, 2012       Tuesday       (Day 18)         RIH w/ 2 stands, tagged at 5972', drilled out 138' comment to 6110', feil t				
Rising Star Services: \$14,199.92 Lea County Packers: \$2000 Chootaw #9: \$1834.00 Daily Cost: Curr. Cost: \$18,0 Oct 19, 2012 Friday (Day 16) RIH w/ 4 X' mill tooth bit, bit sub, 6 - 3.5' drill collars, 177 jts tubing, tagged cement at 5913', top of retainer at 5955', cement on retainer, POOH w/ 2 stands, RU stripping head and reverse unit, CWIFN. Daily Cost: Curr. Cost: \$18,0 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, CW Daily Cost: Curr. Cost: \$18,0 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 pal for 30 min, pressure held, RIH and tagged CIBP drilled out in 3 hrs, RIH and tagge 907', 143' fill above PBTD, 85' fill above perfs, POOH w/ 14 jts, CWIFN. Daily Cost: Curr. Cost: \$18,0 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, ng broke do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN. Daily Cost: Curr. Cost: \$18,0 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: Curr. Cost: \$18,0 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 23 30'' Salta lubing and 26 jts new 2 3/8' IPC off the rack, laid down 71 jts 23 and 24 jts 2 7/8'' Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Curr. Cost: \$18,0	RU Rising Start cementers, help pressure due to leak in manifoli- psi, pumped 20 bbls treated was dropped at the end of lead cem shut down to wash and flush lin BPM @ 300 psi) shut intermedi- stand tubing, leaving 1 bbl cem	d safety meeting, pressure tested lines and manifold, p d, pumped fresh water spacer and broke circulation wi ater, started lead cement 200 sax Class C 50/50/10 11 tent to 4 BPM @ 200 psi, started tail 100 sax Class C r tes to pit, started 34 bbl displacement at 2 BPM @ 50 p iate valve, displaced 1 bbl (1 BPM @ 600 psi), shut do ent on retainer, reversed out 45 bbls water and 1 bbl c	th 15 bbls at rate of 3 8 8#, 3 BPM @ 700 psi, neat 14.8#, 3.5 BPM @ osi, after 32 bbls displa wn and sting out of CI0	BPM at 70 pressure 200 psi, cement(1 CR, pulled
Lea County Packers: \$2000 Chootaw #9: \$1834.00 Daily Cost: Cum. Cost: \$18,0 Oct 19, 2012 Friday (Day 16) RIH w/ 4 ¾' mill tooth bit, bit sub, 6 - 3.5' drill collars, 177 jts tubing, tagged cement at 5913', top of retainer at 595', - cement on retainer, POOH w/ 2 stands, RU stripping head and reverse unit, CWIFN. Daily Cost: Cum. Cost: \$18,0 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, CW Daily Cost: Cum. Cost: \$18,0 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 heid, RIH and tagged CIBP drilled out in 3 hrs, RIH and tagge 9807', 143' fill above PBTD, 85' fill above perfs, POOH w/ 14 jts, CWIFN. Daily Cost: Cum. Cost: \$18,0 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 do for 4 hours due to mechanial problems, POOH w/ 20 its started laying work string down, CWIFN. Daily Cost: Cum. Cost: \$18,0 Oct 25, 2012 Thursday (Day 20) POOH and laid down 314 jts work string tubing, moved off racks, racked and tallied Satta IPC, CWIFN. Daily Cost: Cum. Cost: \$18,0 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 its 2 3/6' Satta lined tubing and 26 jts new 2 3/8'' IPC off the rack, laid down 71 jts 2 3 and 24 jts 2 7/8'' Satta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Cum. Cost: \$18,0	, .	•		
Chootaw #9: \$1834.00 Daily Cost: Cum. Cost: \$18,0 Cum. Co		32		
Cum. Cost: \$18,0 Oct 19, 2012 Friday (Day 16) RIH w/ 4 %' mill tooth bit, bit sub, 6 -3.5" drill collars, 177 jts tubing, tagged cement at 5913', top of retainer at 5955', cement on retainer, POOH w/ 2 stands, RU stripping head and reverse unit, CWIFN. Daily Cost: Cum. Cost: \$18,0 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, CW Daily Cost: Cum. Cost: \$18,0 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 tagge 9807', 143' fill above PBTD, 85' fill above perfs, POOH w/ 14 jts, CWIFN. Daily Cost: Cum. Cost: \$18,0 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 do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN. Daily Cost: Cum. Cost: \$18,0 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: \$18,0 Oct 26, 2012 Friday (Day 21) Pick up 5 1/2" lock set packer, RU Monk Tubing testers, RIH with 2 its, 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 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Cum. Cost: \$18,0				
Oct 19, 2012 Friday       (Day 16)         RIH w/ 4 ¼" mill tooth bit, bit sub, 6 -3.5" drill collars, 177 jts tubing, tagged cement at 5913', top of retainer at 5955', cement on retainer, POOH w/ 2 stands, RU stripping head and reverse unit, CWIFN.         Daily Cost:       Curn. Cost:       \$18,0         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, CWI         Daily Cost:       Curn. Cost:       \$18,0         Oct 23, 2012 Tuesday       (Day 18)       Curn. Cost:       \$18,0         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 9807', 143' fill above PBTD, 85' fill above perfs, POOH w/ 14 jts, CWIFN.       Daily Cost:       Curn. Cost:       \$18,0         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 do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN.       Daily Cost:       Curn. Cost:       \$18,0         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:       Curn. Cost:       \$18,0			•	
RIH w/ 4 <sup>1</sup> / <sub>4</sub> " mill tooth bit, bit sub, 6 -3.5" drill collars, 177 jts tubing, tagged cement at 5913', top of retainer at 595', - cement on retainer, POOH w/ 2 stands, RU stripping head and reverse unit, CWIFN. Daily Cost: Curn. Cost: \$18,0 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, CW Daily Cost: Curn. Cost: \$18,0 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 tagge 9807', 143' fill above PBTD, 85' fill above perfs, POOH w/ 14 jts, CWIFN. Daily Cost: Curn. Cost: \$18,0 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 do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN. Daily Cost: Curn. Cost: \$18,0 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 Curn. Cost: \$18,0 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 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Curn. Cost: \$18,0	Oct 40 2040 Esideu		Cum. Cost:	\$18,0
Daily Cost Cum. Cost: \$18,0 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, CW Daily Cost: Cum. Cost: \$18,0 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 tagge 9807', 143' fill above PBTD, 85' fill above perfs, POOH w/ 14 jts, CWIFN. Daily Cost: Cum. Cost: \$18,0 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 do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN. Daily Cost: Cum. Cost: \$18,0 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: \$18,0 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 and 24 jts 2 7/8'' Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Cum. Cost: \$18,0	RIH w/ 4 3/4" mill tooth bit, bit su	b, 6 -3.5" drill collars, 177 jts tubing, tagged cement at	5913', top of retainer a	at 5955', 4
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, CW Daily Cost:         Curn. Cost:       \$18,0         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 tagge 9807', 143' fill above PBTD, 85' fill above perfs, POOH w/ 14 jts, CWIFN.       Daily Cost:         Curn. Cost:       \$18,0         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 do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN.       Daily Cost:         Curn. Cost:       \$18,0         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:         Curn. Cost:       \$18,0         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 36'' Salta lined tubing an			Daily Cost	
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, CW Daily Cost: Cum. Cost: \$18,0 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 tagge 9807', 143' fill above PBTD, 85' fill above perfs, POOH w/ 14 jts, CWIFN. Daily Cost: Cum, Cost: \$18,0 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 do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN. Daily Cost: Cum. Cost: \$18,0 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: \$18,0 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 3/6" Salta lined tubing and 26 jts new 2 3/8" IPC off the rack, laid down 71 jts 2 3 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Cum. Cost: \$18,0			Cum. Cost:	\$18,0
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 tagge 9807', 143' fill above PBTD, 85' fill above perfs, POOH w/ 14 jts, CWIFN.         Daily Cost:       Curm, Cost:       \$18,0         Oct 24, 2012 Wednesday       (Day 19)       Daily Cost:       Curm, Cost:       \$18,0         Oct 25, 2012 Thursday       (Day 20)       POOH w/ 20 jts started laying work string down, CWIFN.       Daily Cost:       Curm. Cost:       \$18,0         Oct 26, 2012 Thursday       (Day 20)       POOH and laid down 314 jts work string tubing, moved off racks, racked and tallied Salta IPC, CWIFN.       Daily Cost:       Curm. Cost:       \$18,0         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 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN.       Daily Cost:       Curm. Cost:       \$18,0         Cost:       Curm. Cost:       \$18,0       Salta tubing with bad liner at the pins and couplings, CWIFN.       Salta tubing with bad liner at the pins and couplings, CWIFN.       Salta tubing with bad liner at the pins and couplings, CWIFN.       Salta tubing with bad liner at the pins and couplings, C	RIH w/ 2 stands, 177 JIW, tagg	ed at 5913', drilled out 42' cement to CICR at 5955' , h	led out total of 59' cerr	
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 tagge 9807', 143' fill above PBTD, 85' fill above perfs, POOH w/ 14 jts, CWIFN. Daily Cost: Cum, Cost: \$18,0 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 do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN. Daily Cost: Cum. Cost: \$18,0 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: \$18,0 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 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Cum. Cost: \$18,0			Cum. Cost:	\$18,0
Cum, Cost:       \$18,0         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 do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN.       Daily Cost:         Daily Cost:       Cum. Cost:       \$18,0         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:       \$18,0         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:       \$18,0	RIH w/ 2 stands tagged at 5972 pressure tested casing to 500 p	', drilled out 138' coment to 6110', fell through and circ si for 30 min, pressure held, RIH and tagged CIBP dril	ed out in 3 hrs, RIH a	
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 do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN.       Daily Cost:         Cum. Cost:       \$18,0         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:       \$18,0         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 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN.         Daily Cost:       Cum. Cost:       \$18,0         Cum. Cost:       \$18,0         Salta tubing with bad liner at the pins and couplings, CWIFN.       Daily Cost:         Cum. Cost:       \$18,0			•	<b>*</b> 1~ ~
RIH w/ 14 jts, drilled and circulated heavy scale out of well 9807' to 9924', 26' from CIBP, circulate clean, rig broke do for 4 hours due to mechanial problems, POOH w/ 20 jts started laying work string down, CWIFN. Daily Cost: Cum. Cost: \$18,0 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: \$18,0 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 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Cum. Cost: \$18,0	Oct 24 2012 Wednesday	(Day 19)	Cum, Cost:	218,0
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: \$18,0 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 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Cum. Cost: \$18,0	•	ted heavy scale out of well 9807' to 9924', 26' from CIE	n, CWIFN. Daily Cost:	
POOH and laid down 314 jts work string tubing, moved off racks, racked and tallied Salta IPC, CWIFN. Daily Cost: Curn. Cost: \$18,0 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 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Curn. Cost: \$18,0	for 4 hours due to mechanial pro		(:) m ('oer'	0,0ite
Daily Cost: Cum. Cost: \$18,0 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 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Cum. Cost: \$18,0		(Day 20)	Cum. Cost:	
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 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Cum. Cost: \$18,0	Oct 25, 2012 Thursday			
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 and 24 jts 2 7/8" Salta tubing with bad liner at the pins and couplings, CWIFN. Daily Cost: Cum. Cost: \$18,0	Oct 25, 2012 Thursday		alta IPC, CWIFN.	
Daily Cost: Cum. Cost: \$18,0	Oct 25, 2012 Thursday		ulta IPC, CWIFN. Daily Cost:	\$18,0
Cum. Cost: \$18,0	Oct 25, 2012 Thursday POOH and laid down 314 jts wo Oct 26, 2012 Friday Pick up 5 1/2" lock set packer, F and release testers, TiH w/ 127	(Day 21) (Day 21) RU Monk Tubing testers, RIH with 2 jts, could not get c jts 2 3/8" Salta lined tubing and 26 jts new 2 3/8" IPC of	alta IPC, CWIFN. Daily Cost: Cum. Cost: ups to seal on hydro te	
	Oct 25, 2012 Thursday POOH and laid down 314 jts wo Oct 26, 2012 Friday Pick up 5 1/2" lock set packer, F and release testers, TiH w/ 127	(Day 21) (Day 21) RU Monk Tubing testers, RIH with 2 jts, could not get c jts 2 3/8" Salta lined tubing and 26 jts new 2 3/8" IPC of	alta IPC, CWIFN. Daily Cost: Curn. Cost: ups to seal on hydro te off the rack, laid down	ester, RD

1-025-22932 (SWI	2)	HOBBS OCE	)
27-14,-32E 6012-6601E	CrownQuest DAILY OPERATIONS REPORT	NOV 1 4 201	13
	State 27 # 2 Printed Oct 31, 2012 Page 4 of 4	RECEIVED	
State 27 # 2	Lea Ĉo., NM	Property#: 200	0996-02
Zone: 1 Field: Tulk			
Oct 29, 2012 Monday	(Day 22)		
Double R Pipe delivered new IPC t 7/8" new IPC, set packer at 9699', on/off tool, CWIFN.	ubing, TIH w/ 46 jts 2 3/8" IPC, Salta xover 82 jts 2 loaded casing w/ 13 bbl fresh water, pressure tester	7/8" Salta lined tubing, d to 500 psi, tested goo	and 26 jts 2 od, release
		Daily Cost:	
		Cum. Cost:	\$18,034
Oct 30, 2012 Tuesday	(Day 23)		
	ater w/ packer fluid, pumped and circulated 230 bbl		

.

.

.

.

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

P.S. OF COPIES RECEIVED				
DISTRIBUTION	NEW MEXICO OIL CO		ISSION	-1 20
ANTA FE				frence
FILE				SALL Brette Tyte 1: Latse
J.S.G.S.				5-A-E X -17
AND OFFICE				T. Alater "It whit I sate No.
PERATOR				L-522
				MINIMINI MARKEN
APPLICATION I	OR PERMIT TO DRILL, DEEP	EN, OR PLUG BAC	К	
Type of Work				7. Unit Agreement flame
	DEEPEN		· · · · · · · · · · · · · · · · · · ·	1
. Type of Well		·	I.UG BACK 🗍	F. Farm or Lease Mane
OIL GAS WELL	OTHER	5:55.L .X.	20%E	State 27
	·			6. Vel: 12.
Name of Operator Coastal States Gas	Producing Company			e. v≥t tw. 2
Coastal States Gas				2
Coastal States Gas	Producing Company as Services, Box 763, He	bbs, New Mexic	•	2
Coastal States Gas	as Services, Box 763, He	bbs, New Mexic		2
Coastal States Gas Address of Operator e/o Oil Reports & G Location of Well	es Services, Box 763, He P			2
Coastal States Gas Address of Operator o/o 011 Reports & G	es Services, Box 763, He P 660			2 Unies. Tulk Penn
Coastal States Gas Address of Operator e/o 011 Reports & G Location of Well UNIT LETTER_	es Services, Box 763, He P 660		outhive	2 Unites. Tulk Penn Unites. Tulk Penn
Coastal States Gas Address of Operator e/o 011 Reports & G Location of Well	es Services, Box 763, He P 660		outhive	2 Unies. Tulk Penn
Coastal States Gas Address of Operator e/o 011 Reports & G Location of Well	es Services, Box 763, He P 660		outhive	2 Unites. Tulk Penn Unites. Tulk Penn
Coastal States Gas Address of Operator o/o Oil Reports & G Location of Well UNIT LETTER	es Services, Box 763, He P 660		22 E varv	2 United and rote, or Wincel Unites, Tulk Penn 12. Northy Les
Coastal States Gas Address of Operator o/o 011 Reports & G Location of Well UNIT LETTER_	es Services, Box 763, He P 660		22 E view	2 I.I. Floid dire poer, or Wilcoll Undes. Tulk Penn I.I. Floid y Les Les
Coastal States Gae Address of Operator e/o 011 Reports & G Location of Well UNIT LETTER 0 660 PRET FROM THE	<b>as Services, Box 763, He</b> <u>P</u>	Ter PLOY THE	22 E view 124. Sometice Perm	2 I. Field dia role, or Wilcol Undes. Tulk Penn I. Conty Les I. Staty Rotary
Coastal States Gae Address of Operator s/o 011 Reports & G Location of Well UNIT LETTER 660 FEET FROM THE Elevations (Show whether DF, RT,	As Services, Box 763, Ha           P         LOCATED         660           Bast         LINE OF SEC.         27           etc)         21A. Kind 6 Stetus Plug. Ben	TAP. 14 8 8 TAP. 14 8 8 TAP. 14 8	22 B view 32 B view 11A. Pormatic Penn	2 1 i tola dita y dea, or Wilacot Undes. Tulk Penn 1 ioury Les I ioury Rotary Les Rotary
Coestel States Gae Address of Operator c/o Oil Reports & G 	<b>as Services, Box 763, He</b> <u>P</u>	Ter PLOY THE	22 B view 32 B view 11A. Pormatic Penn	2 I. Field dia role, or Wilcol Undes. Tulk Penn I. Conty Les I. Harry Les Rotary

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	1.100	300	3000
7 7/8	5 1/2	15.5# & 17#	10,000	200	9200

13%

TITLE

: ÷. \_ ×0 3

IN IN RESERVE PRODUCTINE DON'T AND PROPOSED NEW PRODUCT IN A BOVE SPACE DESCRIBE PROPOSED PROGRAMI IF PROPOSAL IS TO DEFORT OF PLUS BAC TIVE 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 belloi. L.S.mich 12/23/68 Agent Title\_ Dear ... Signed (This space for State Use) DEC 24 1968 

APPROVED B CONDITIONS OF APPROVAL, IF ANY:

nu

unyan

6

U

. -

U.S. Postal Service CERTIFIED MAIL® R Domestic Mail Only For delivery information, visit our web	
Certified Mail Fee  Certified Mail Fee  Certified Mail Fee  Certified Mail Fees  Chock box, add fee at the fees  Chock box, add fee at the fees  Chock box, add fee at the fees  Control of the feest fees  Control of the feest fees  Control of the feest feest feest feest feest  Control of the feest feest feest feest feest  Control of the feest feest feest feest feest  Control of the feest feest feest feest feest feest  Control of the feest fe	0710 02 Postmark Here
Fotage Fotage s fotal Postage and Fees s fotal Postage and Fees fotal	06/07/2017 and Office M 8 7504

٢

CLAYDESTA 612 VETERANS AIRPARK LN MIDLAND TX 79705-9998 4859010710 12:38 PM (800)275-8777 06/07/2017 Final Sale Product Price Qty Description ۱ ، \* \$1.82 . . First-Class Mail Large Envelope (Domestic) (SANTA FE, NM 87504) (Weight:0 Lb 5.00 0z) (Expected Delivery Day) (Saturday 06/10/2017) Certified 1 Mail \$3,35 Certified 1 (@@USPS Certified Mail #) (70150640000302324357) \$5.17 Total Credit Card Remitd ( (Card Name:AMEX) (Account #:XXXXXXXXXXXXX2028) (Approval #:527384) (Tenneaction: #:389) \$5.17 (Transaction #:388)

Text your tracking number to 28777 (2USPS) to get the latest status. Standard Message and Data rates may apply. You may also visit USPS.com USPS Tracking or call 1-800-222-1811.

Order stamps at usps.com/shop or call 1-800-Stamp24. Go to usps.com/clicknship to print shipping labels with postage. For other information call 1-800-ASK-USPS.

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

Saturd Cluquet 12, 1970

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 <u>12th</u> 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;

<u>PROVIDED HOWEVER</u>, 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 οτιλ CON VATION COMMISSION 17 DAVID F. CARGO, Chairman

---- C ... 127.1 ARMIJO. Member EX J PORTER, r & Secretary

SEAL

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**

#### <u>AFFIDAVIT</u>

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



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

June 30, 2017

## <u>CERTIFIED MAIL</u> <u>RETURN RECEIPT REQUESTED</u>

## **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.

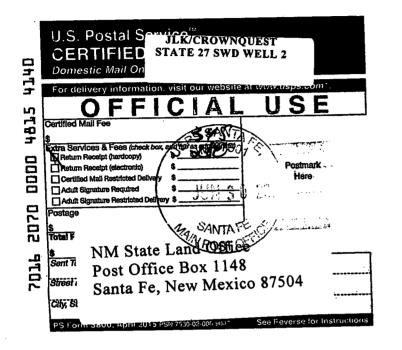
Sincerely,

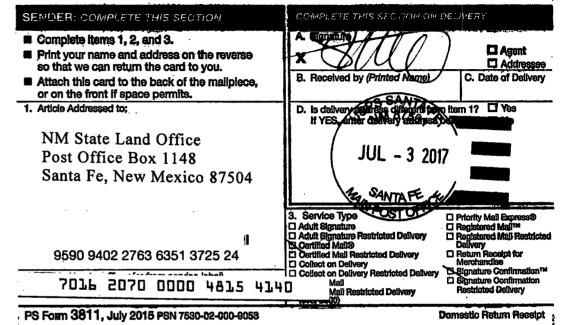
Kessler

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





-		tate 26 CON	<b>T</b> · · · · · · · · · · · · · · · · · · ·	Te	State 27 #2 SWD	
Date Ion 92	<u>011</u>	Ges	Water	Total Liquid	Monthly Inj	Comments
Jan-92 Feb-92	269 259	1165	58	269 317	+	24 Month Avg Production Prior To Injection: 358 bbl
Mar-92	259	1174	118	412		<b>-</b>
Apr-92	234	1231	66	342		· · · · · · · · · · · · ·
May-92	2/0	1159	31	318		· · · · · · · · · · · · · · · · · · ·
Jun-92	249	1196	56	305		
Jul-92	249	1156	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	· ·	
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	1	
Sep-93	266	977	116	382		
Oct-93	297	1052	124	421	·····	· · · · · · · · · · · · · · · · · · ·
Nov-93	327	898	116	443		
Dec-93	305	1018	124	429	· ·	1
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	1
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	1030	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	
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	l
vlay-97	206	705	485	691	11340	
lun-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 6664	
Feb-98	185	633	44	229	6664	······
Mar-98	193	717	134	327	6968	Cumulation Mater Device days for the second se
Apr-98	208	774	146		6346	Cumalative Water Produced at State 26 COM #5 only 2.6% of
May-98	239	816	155	394	6089	water injected for the last S3 months.
lun-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	

٠

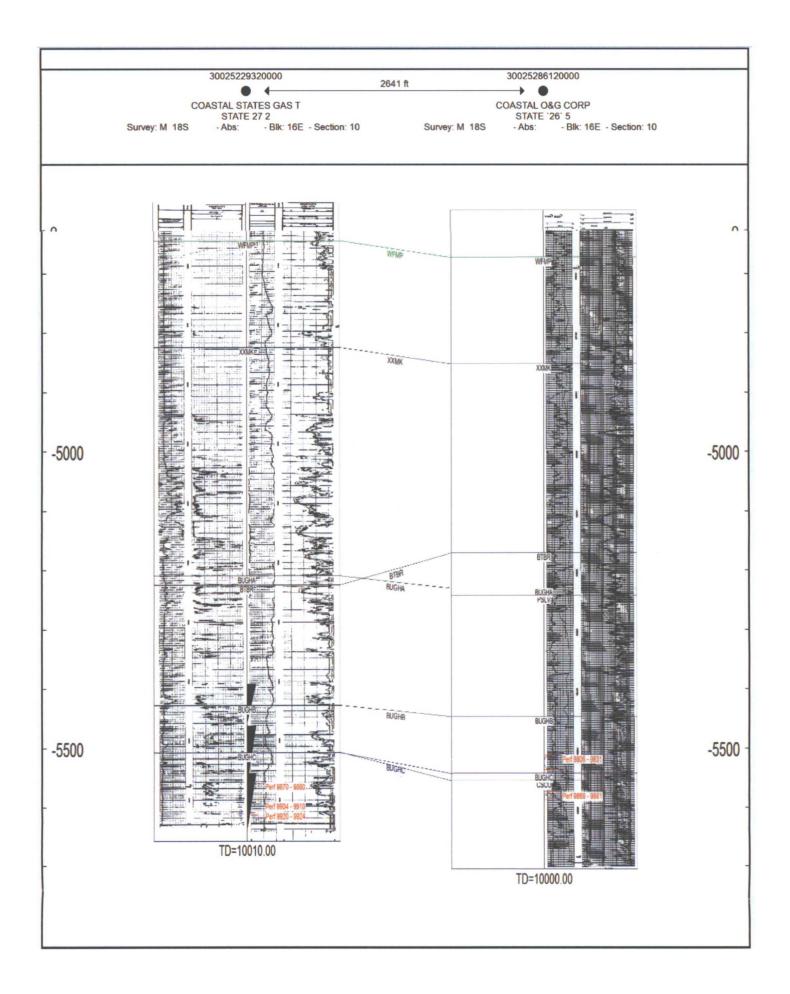
BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. 4 Submitted by:CROWNQUEST OPERATING, LLC Hearing Date: July 20, 2017

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	· · · · · · · · · · · · · · · · · · ·
	148	677	69	230	1798	······································
Jan-00			67		2361	
Feb-00	159	564 710	70	226 201	1711	
Mar-00	131					
Apr-00	198	633	67	265	2261	
May-00	0	0	0	0	0	
Jun-00	0	0	0	0	0	
00-lut	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	
			210	668	5736	
May-01	458	692				
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	· · · · · · · · · · · · · · · · · · ·
	204	600	155	359	2260	
Aug-02					2135	
Sep-02	120	760	100	220		
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	
			155	316	2185	
Nov-03	166	722				
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	
0ct-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	690	882	
		755	450	617	843	
May-05	151					
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	
	367	802	245	612	415	
		574	25	59	25	
Jun-06	34	, ,/4		515	0	
Jun-06 Jul-06	34	717		610		
Jun-06 Jul-06 Aug-06	515	717	0	140	4.5	
Jun-06 Jul-06 Aug-06 Sep-06	515 110	780	30	140	42	
Jun-06 Jul-06 Aug-06 Sep-06 Oct-06	515 110 155	780 692	30 0	155	0	
Jun-06 Jul-06 Aug-06 Sep-06 Oct-06 Nov-06	515 110 155 87	780 692 664	30 0 0	155 87	0	
Jun-06 Jul-06 Aug-06 Sep-06 Oct-06	515 110 155 87 310	780 692 664 477	30 0 0	155 87 310	0 0 0	
Jun-06 Jul-06 Aug-06 Sep-06 Oct-06 Nov-06	515 110 155 87	780 692 664	30 0 0	155 87	0	
Jun-06 Jul-06 Aug-06 Sep-06 Oct-06 Nov-06 Dec-06	515 110 155 87 310	780 692 664 477	30 0 0	155 87 310	0 0 0	

.

Image         113         784         0         113         0         0           Image         0         100         100         100         100         100         100           Image         0         100         120         120         120         120           Image         100         120         120         0         100         100           Image         100         0         120         0         100         100           Image         100         0         120         0         100         100           Image         100         0         120         0         100         100         100           Image         101         0.0         120         0         100         100         100         100           Image         101         100         0         110         0         110         100         100         100           Image         101         100         101         100         100         100         100         100           Image         101         100         101         100         100         100         100         100     <							
Image         5         788         84         41         9           Image         53         633         623         623         623         624           Image         633         623         63         633         63         63           Image         633         633         63         64         63           Image         633         63         64         63         64           Image         63         63         64         64         64           Image         63         64         63         64         64           Image         63         64         64         64         64         64           Image         64         74         74         74         74         74           Image         104         104         64         74         737         70         77           Image         107         647         83         707         70         70         70           Image         107         647         83         707         707         707         707           Image         107         717         707         707	Mar-07	113	784	0	113	0	
ImarQ         65         133         12         117         249           ImAQ         15         133         14         19         776           ImAQ         15         133         16         1         1           ImAQ         15         100         0         131         0         1           ImAQ         13         160         131         0         1         1           ImAQ         13         183         0         1         0         1           ImAQ         13         160         131         0         1         0           ImAQ         131         0         131         0         1         0           ImAQ         131         106         131         0         1         0           ImAQ         124         124         0         1         1         1         0           ImAQ         124         124         0         1			•				
head         15         93         24         90         246           Med?         722         600         8         221         60           Med?         722         600         721         60           Need?         13         640         91         6           Need?         13         640         0         91         6           Need?         13         640         0         130         0         6           Med?         135         164         0         130         0         6           Med?         135         144         491         440         0         6           Med?         135         144         491         441         141         141         141           Med?         135         144         491         237         171         0         1           Med?         131         144         491         131         141         131           Med?         131         131         131         131         131           Med?         131         131         131         131         131           Med?         131							
md0         782         70         0         782         0           Sep0         33         60         33         6         1           Sep0         33         60         0         33         6           Sep0         73         60         0         13         6           Sep0         73         60         0         135         0           Sep0         73         86         0         135         0           Sep0         73         86         0         135         0           Sep0         13         77         7         0         1         174           Sep0         13         50         23         73         0         1           Sep0         13         50         23         73         0         1           Sep0         13         50         0         73         174         130           Sep0         13         50         0         73         175         131           Sep0         13         50         130         130         130           Sep0         130         50         130         130							
Aug         173         800         0         272         0           beg07         13         800         0         33         0           beg07         13         800         0         131         0         131           beg07         13         100         135         0         131         0           beg07         13         100         135         0         1         141           beg07         13         100         132         0         1         141           beg07         131         132         0         1         141         1           beg07         131         132         1         141         1         1           beg07         131         132         133         1         1         1           beg07         131         132         133         1         1         1         1         1	Jun-07	55	523				
seq.0         13         0         13         0           Nuc.20         13         848         0         13         0           Nuc.20         13         848         0         13         0           Nuc.20         13         848         0         131         0           Nuc.20         13         120         0         451         0           Nuc.20         13         124         499         642         0           Nuc.20         13         124         499         642         0           Nuc.20         13         126         499         642         0           Nuc.20         137         10         1         10         0           Nuc.20         137         10         131         116         116           Sep.01         177         0         131         116         116         116           Sep.01         13         131         116         116         116         116           Nuc.20         13         130         116         116         116         116           Nuc.20         131         131         131         131 <t< td=""><td>Jul-07</td><td>282</td><td>703</td><td>0</td><td>282</td><td>0</td><td></td></t<>	Jul-07	282	703	0	282	0	
seq.0         13         0         13         0           Nuc.20         13         848         0         13         0           Nuc.20         13         848         0         13         0           Nuc.20         13         848         0         131         0           Nuc.20         13         120         0         451         0           Nuc.20         13         124         499         642         0           Nuc.20         13         124         499         642         0           Nuc.20         13         126         499         642         0           Nuc.20         137         10         1         10         0           Nuc.20         137         10         131         116         116           Sep.01         177         0         131         116         116         116           Sep.01         13         131         116         116         116         116           Nuc.20         13         130         116         116         116         116           Nuc.20         131         131         131         131 <t< td=""><td>Aug-07</td><td>232</td><td>400</td><td>0</td><td>232</td><td>0</td><td></td></t<>	Aug-07	232	400	0	232	0	
$c_{cc}$ 13         76         0         13         0 $bcc$ 13         60         93         0         0 $bcc$ 13         10         0         135         0 $bcc$ 13         10         0         135         0 $bcc$ 13         10         0         135         0 $bcc$ 13         120         0         135         0 $bcc$ 121         13         0         0         145 $bcc$ 13         130         140         155         140 $bcc$ 137         130         130         130         130 $bcc$ 141         140         130         130         130 $bcc$ 141         140         130         130         130 $bcc$							1 ····
New 0         9         580         0         93         0           Ine 04         15         60         115         0         115           Dec 07         12         60         0         115         0           Ace 01         13         134         490         490         140         0           Are 03         13         134         490         442         0         1           Are 04         14         740         94         442         0         1           Are 04         15         120         120         110         110           Are 04         10         722         7         17         0         1           Are 04         18         760         10         120         100           Are 04         18         760         10         100         100           New 04         18         570         104         103         100           New 04         10         710         120         401         100           New 04         10         610         443         540         100           New 04         10         710         <				-			
bcc0         123         60         124         0 $fede0$ 64         12         0         455         0 $fede0$ 13         10         0         145         0 $fede0$ 13         10         0         14         0 $fed0$ 10         722         7         17         0 $head$ 13         0         15         0         15 $head$ 17         60         17         0         15 $head$ 17         60         17         0         15 $head$ 17         70         0         15         15 $head$ 17         70         0         15         15 $head$ 17         70         13         15         15 $head$ 18         40         15         155         15 $head$ 18         40         15         155         15 $head$ 18         40         15         157         157         157         157         157 <td< td=""><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td></td<>			•				
Image         18         0         18         0           Image         13         12         0         63         0           Image         13         12         0         63         0           Image         13         124         48         64         13           Image         13         134         135         134           Image         13         134         135         135           Image         13         134         135         135           Image         13         48         49         135         135           Image         13         48         135         135         135           Image         13         48         135         135         135           Image         13         48         135         135         135           Image         13         48         13         135	Nov-07	93	588				
Feed         64         92         0         45         0           Aped         135         124         469         644         0           Marcel         135         124         469         644         0           Marcel         127         128         449         127         0           Marcel         127         128         491         170         0           Marcel         127         128         491         171         0           Marcel         127         128         491         172         0           Marcel         127         128         491         172         0           Marcel         118         1101         1101         1155         1101           Marcel         118         1101         1101         1155         1101           Marcel         118         711         123         1350         1111           Marcel         118         711         131         1311         1311           Marcel         113         1270         1011         131         1311           Marcel         113         131         1311         1313 <td< td=""><td>Dec-07</td><td>218</td><td>608</td><td>0</td><td>218</td><td>0</td><td></td></td<>	Dec-07	218	608	0	218	0	
Feed         64         92         0         45         0           Aped         135         124         469         644         0           Marcel         135         124         469         644         0           Marcel         127         128         449         127         0           Marcel         127         128         491         170         0           Marcel         127         128         491         171         0           Marcel         127         128         491         172         0           Marcel         127         128         491         172         0           Marcel         118         1101         1101         1155         1101           Marcel         118         1101         1101         1155         1101           Marcel         118         711         123         1350         1111           Marcel         118         711         131         1311         1311           Marcel         113         1270         1011         131         1311           Marcel         113         131         1311         1313 <td< td=""><td>lan-08</td><td>185</td><td>367</td><td>0</td><td>185</td><td>0</td><td></td></td<>	lan-08	185	367	0	185	0	
Marcial         38         10         1           Margad         1246         449         640         60           Margad         123         124         649         640         6           Margad         123         124         73         10         0           Margad         123         120         123         120         0           Margad         123         120         123         120         0           Margad         123         120         123         120         0           Margad         159         1244         183         1332         133           Margad         159         1244         481         131         1354           Margad         128         120         130         130         13154           Margad         130         130         130         131         131           Margad         130         130         131         131         131           Margad         131         130         131         131         131           Margad         131         131         131         131         131           Margad <td< td=""><td></td><td></td><td>÷</td><td></td><td></td><td></td><td></td></td<>			÷				
$A_{PC0}$ 11512.84.489.604. $Mng03$ 1072.27170 $Aad0$ 1072.27170 $Aad0$ 1063.53422.117.4 $Aad0$ 1063.549.717.70 $Aad0$ 1063.549.717.7 $Aad0$ 1063.549.719.7 $Aad0$ 11.512.813.8 $Nev64$ 81.57.710.4185 $Nev64$ 13.515.4 $Nev64$ 13.813.8 $He00$ 11.671.112.0 $He00$ 10.648.540.8 $He00$ 10.648.540.4 $He00$ 10.648.5 $He00$ 10.648.5 $He00$ 10.648.5 $He00$ 10.648.5 $He00$ 10.649.5 $He00$ 10.649.5 $He00$ 10.649.5 $He00$ 10.649.5 $He00$ 10.649.5 $He00$ 10.649.5 $He00$ 10.6 $He00$ 10							
Horge248744949420hadd1707227170hadd170626942730hadd170626942730hadd170626942730hadd170626942730hadd18970000hadd18180185hadd18140185hadd18140183hadd18198400hadd18198400hadd18720840hadd18720840hadd198198400hadd198198400hadd198198400hadd198720840hadd199199199hadd199190721hadd190640191hadd1912812904hadd1912812904hadd1912812904hadd1912861973hadd1912861973hadd1912861973hadd1912861973hadd191286193hadd191286193hadd191286193hadd191286193hadd191291 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
hered         10         722         7         17         0           Aug0         220         557         281         433         1764           Sep43         51         500         6         57         287           Dec364         0         770         0         65         1203           Dec364         10         770         0         65         1203           Hored         613         780         780         120         1303           Hored         116         741         120         131         1303         1203           Hored         116         616         120         131         5207         1303         1404           Hored         116         616         130         2217         141         140           Hored         140         646         130         2217         141         140         141         141	Apr-08	115	1246				
hade         10         722         7         17         0           Aude         129         626         321         62           Auge         129         560         630         121           Obe         1         167         128         430         121           Obe         1         167         128         430         1333           Dec         1         77         128         480         1333           Dec         1         78         488         951         1354           Feb         212         623         740         128         3350           MacO         116         741         128         345         3350           MacO         116         741         128         346         440           MacO         116         741         128         346         440           MacO         116         741         128         346         440           MacO         116         741         128         546         440           MacO         116         740         130         1271         130           MacO         144	May-08	248	744	94	342	0	
i deg         170         6.8         94         273         0 $sep68$ 57         566         957         257 $bec60$ 57         567         257 $bec60$ 53         587         257 $bec60$ 53         587         368         261 $bec60$ 760         710         10         100 $bec60$ 760         712         433         543 $bec60$ 760         713         271         533 $bec60$ 100         640         103         271 $bec60$ 100         640         103         271 $bec60$ 103         270         601         100 $bec60$ 103         270         601         100 $bec60$ 153         270         640         100 $bec60$		10	722	7	17	0	
Auge spc082305778006931746 $9e08$ 57500057327 $0ec38$ 8587104185153 $10e09$ 53270203280133 $10e09$ 116741280133 $10e09$ 116741280133 $10e09$ 116741280316 $Mac90$ 116741280316 $Mac90$ 116741280316 $Mac90$ 116741174343 $Mac90$ 106671172275 $Mac90$ 106671172275 $Mac90$ 106671172275 $Mac90$ 106671172275 $Mac90$ 106671172275 $Mac90$ 106671172275 $Mac90$ 106671197271 $Mac90$ 106671197271 $Mac90$ 106671197271 $Mac90$ 106671197271 $Mac90$ 106671197271 $Mac90$ 107670116284 $Mac90$ 107670116 $Mac90$ 108116 $Mac90$ 117517 $Mac10$ 117518 $Mac90$ 116510 $Mac10$ 117514 $Mac10$ 117 $Mac10$ 117 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>							
speak         57         500         0         97         87           Nuck8         0         770         0         0         2843           Nuck8         11         557         570         200         860         1333           He690         213         623         728         648         891         1354           He690         213         623         624         1353         1334           Me700         158         740         139         5433         1334           May200         150         644         190         256         8959         1337           May200         150         644         190         256         8959         131         132         591           May201         150         644         191         291         291         591         591         591         591         591         591         591         591         591         591         591         591         593         593         593         593         593         593         593         593         593         593         593         593         593         593         593         593         593							
$ \begin{array}{c} \begin{array}{c} cccde & 0 & 770 & 0 & 0 & 2883 \\ \hline cccde & 0 & 597 & 100 & 185 & 1480 \\ \hline cccde & 0 & 597 & 100 & 200 & 280 & 1333 \\ \hline cccde & 0 & 100 & 110 & 110 & 100 & 260 & 4890 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 100 & 260 & 4890 & 100 & 100 & 000 & 100 $							
Nevela         61         557         104         185         1430 $lar.03$ 453         7 570         203         260         1333 $lar.03$ 453         728         488         951         1554 $Peb.90$ 212         623         1386         110         1069 $MayC0$ 116         741         220         386         2150 $MayC0$ 116         741         220         386         2150 $MayC0$ 116         741         127         153         1537 $MayC0$ 116         741         127         153         1537 $Sep.09$ 100         671         125         275         1537 $MayC0$ 134         552         157         111         552 $Dec00$ 147         578         166         133         2717 $In-30$ 147         557         466         1655         1665 $Marcio         144         511         512         514         514           Marcio         156         546         5$	Sep-08	57	500	0	57	257	
Nevel:         1         167         104         185         1420 $lar.00         453         737         570         203         260         1333           lar.00         453         728         498         951         1554           fle.00         122         623         138         610         1090           Mad.20         126         744         136         1310         1111           Mad.20         126         744         136         1313         1111         1111           Mad.20         126         746         1950         1111$	Oct-08	0	770	0	0	2583	
bec 64         97         570         203         200         1333 $1an 064$ 453         728         4498         951         1554 $Mar 079$ 116         741         220         358         3150 $Mar 079$ 126         716         1274         434         9543 $Mar 079$ 126         716         1274         434         9543 $Mar 079$ 106         460         1274         434         9543 $Mar 079$ 106         460         1271         9503         4617 $Cact 09$ 100         460         191         291         9503 $Cact 09$ 103         460         193         271         6031 $Cact 09$ 104         456         137         311         2599 $Dact 01$ 138         270         4031         403 $Mar 130$ 144         461         159         303         1438 $Mar 10$ 131         276         4939         1444         411 $Mar 10$ 131         419         <		81		104	185	1430	
h = 00 $433$ $728$ $498$ $951$ $1554$ $har, 00$ $116$ $741$ $220$ $335$ $355$ $har, 00$ $116$ $741$ $220$ $335$ $355$ $har, 00$ $116$ $741$ $220$ $335$ $350$ $har, 00$ $116$ $056$ $266$ $9550$ $har, 00$ $105$ $125$ $2337$ $har, 00$ $105$ $105$ $2350$ $har, 00$ $105$ $105$ $1050$ $1060$ $har, 00$ $117$ $276$ $400$ $103$ $1041$ $har, 10$ $147$ $570$ $446$ $133$ $2272$ $har, 10$ $137$ $495$ $236$ $1079$ $har, 10$ $137$ $495$ $236$ $1302$ $har, 10$ $131$ $532$ $1410$ $136$ $1410$ $har, 10$ $131$ $130$ $141$ $130$ <							
ref-09         212         623         198         410         1988           Mar-29         116         740         120         335         3350           Mar-20         126         716         124         343         5433           Mar-20         136         648         1365         286         8950           Mar-20         136         648         1365         286         8950           Mar-20         136         648         137         270         6301           Mar-20         133         270         6301         133         270         6301           Mar-20         134         557         276         450         1385         137         250           Mar-30         174         557         276         450         1385         143         251           Mar-10         134         553         276         450         138         277           Mar-10         134         553         1503         1438         150         153           Mar-11         134         553         1503         153         150         153           Mar-11         141         556         <							
Mar 00         116 $P43$ 220         336         3350           Mar 00         160         716         1274         343         5432           Mar 00         160         648         106         266         1950           Aug 00         160         676         1275         273         2337           Sep 00         100         671         127         233         131           Sep 00         100         640         131         231         5356           Nord 00         187         639         131         130         6315           Nord 01         137         295         149         131         130         131           Nord 01         137         295         149         130         1448         141         141           Nord 134         580         171         305         463         143         144         141         143         143         144         143         143         144         143         143         144         143         144         143         144         143         144         144         144         144         144         144         144 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
Age 0         228         740         189         417         5177           May 00         160         756         174         343         5433           Jane 00         160         766         106         225         640         4950           Aug 90         100         671         175         275         3337	Feb-09	212	623	198	410	1098	
Age 0         228         740         189         417         5177           May 00         160         756         174         343         5433           Jane 00         160         766         106         225         640         4950           Aug 90         100         671         175         275         3337	Mar-09	116	741	220	336	3150	
Margey         169         716         174         343         5433 $hde9$ 163         648         106         266         8950 $hde9$ 163         645         285         408         4176 $Aug09$ 100         640         191         221         5056 $Oct 09$ 157         621         131         270         6031 $Nuy 09$ 154         556         157         311         5559 $Dec 09$ 107         578         166         133         2717 $Ian 10$ 174         557         126         1805         1805 $Marit 01$ 143         501         143         501         144 $Marit 01$ 121         325         465         1805 $Marit 01$ 121         326         499         181         181 $Marit 01$ 121         128         58         180         181 $0re 10$ 2         577         20         22         577 $0re 10$ 456         1321         132							
hr0e9         150         648         106         126         685         225         460         4176 $Aug09$ 100         671         175         175         3537 $Sep09$ 100         640         191         725         3537 $Occ09$ 157         621         113         270         6031 $Ovc09$ 154         566         113         2717 $Imail         174         557         126         1805           Imail         174         557         126         1805           Imail         174         557         126         1805           Imail         134         583         127         1438           Agr.10         134         583         1075         465           Agr.10         134         583         1071         486         121         148           Agr.10         141         121         118         38.        $							
hido         163         685         226         408         4176           Aug 00         100         640         191         1275         125           Sep 00         100         640         191         221         5036           Oct 00         154         566         157         311         5359           Dec 07         174         587         126         501         1007           Mario         134         583         121         320         465           Mario         131         643         530         1348         1449           Mario         131         643         540         1449         1492           Mario         141         131         328         58         1352           Febril         137         541         460         1372         1643           Mario         150         131         4492         14492							
Auge0         100         671         175         2537           Sep09         100         640         191         191         5046           Oct 09         157         611         113         270         6031           Nov09         154         566         133         2717           Jan 10         137         457         276         450         1605           Ima 10         137         457         126         1605							
Auge0         100         6/1         175         175         1357           Sep09         100         640         191         291         5046           Oct-09         157         621         113         270         6031           Nov-09         154         566         133         2717           Am-30         174         557         126         1265           Feb-30         137         455         149         286         1075           Mar:10         144         661         159         332         1438           Ayr.10         134         583         171         305         465           Mar.10         144         661         612         530         1138           Ayr.10         144         611         61         205         499           Aug.10         144         611         121         148         58           Oct-10         145         545         66         211         449           Mor-11         614         21         142         148           Mor-11         617         446         142           Mor-11         502         121	Jul-09	163	685	245	408	4176	
Sp-90         100         640         191         291         5036           Nor-09         154         566         157         313         5259           Dec-09         147         578         166         133         2717           Jan-10         174         578         166         1357         185           Feb 10         137         455         169         286         1079           Mar:10         144         601         159         303         1438           Mar:10         344         601         159         303         1438           Mar:10         344         661         662         530         14110         141         555         207         346         489         489         14110         141         555         207         348         489         1449         1449         1449         1449         1449         1449         1449         1449         1411         151         152         1449         1449         1449         1411         152         152         14149         1411         152         152         1411         152         152         1411         152         153         151					275	3537	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							
Nor-09         154         566         157         311         5259           Jan-10         174         575         166         313         2272           Jan-10         174         575         165         1655           Feb-10         137         495         149         286         1079           Mar.10         144         661         159         303         1438           Apr.10         346         661         21         530							· · · - · · ·
besc@         147         578         166         313         2717           lam.10         137         495         149         286         1079           Mar.10         134         653         159         303         1438           Apr.10         134         583         177         305         465           Mar.10         134         583         171         305         465           Jul-10         134         585         207         348         498           Aug.10         134         555         207         348         498           Aug.10         134         545         66         211         449           Nov.10         74         426         0         74         4429           Dec.10         135         545         66         211         449           Mar.11         161         540         1366         1362           feb-11         137         534         403         540         1366           Mar.11         16         540         1322         663         23         -           Apr.11         0         6521         120         633							
Jan.01 $174$ $577$ $276$ $450$ $12079$ $Mar.101$ $314$ $531$ $171$ $305$ $448$ $Mar.101$ $314$ $531$ $171$ $305$ $4455$ $Mar.101$ $236$ $704$ $46$ $44$ $252$ $Mar.101$ $217$ $595$ $406$ $622$ $5300$ $Mar.101$ $416$ $565$ $207$ $348$ $498$ $Sep.101$ $117$ $541$ $211$ $338$ $58$ $Sep.101$ $117$ $541$ $211$ $338$ $58$ $Sep.101$ $117$ $541$ $402$ $6231$ $5377$ $Mar.111$ $61$ $594$ $327$ $991$ $2201$ $7231$ $Mar.111$ $70$ $522$ $1075$ $743$ $4961$ $4961$ $Mar.111$ $70$ $522$ $1020$ $721$ $686$ $941$ $77$ $811$	Nov-09		566				
Jan.01 $174$ $577$ $276$ $450$ $12079$ $Mar.101$ $314$ $531$ $171$ $305$ $448$ $Mar.101$ $314$ $531$ $171$ $305$ $4455$ $Mar.101$ $236$ $704$ $46$ $44$ $252$ $Mar.101$ $217$ $595$ $406$ $622$ $5300$ $Mar.101$ $416$ $565$ $207$ $348$ $498$ $Sep.101$ $117$ $541$ $211$ $338$ $58$ $Sep.101$ $117$ $541$ $211$ $338$ $58$ $Sep.101$ $117$ $541$ $402$ $6231$ $5377$ $Mar.111$ $61$ $594$ $327$ $991$ $2201$ $7231$ $Mar.111$ $70$ $522$ $1075$ $743$ $4961$ $4961$ $Mar.111$ $70$ $522$ $1020$ $721$ $686$ $941$ $77$ $811$	Dec-09	147	578	166	313	2717	
reb-10         137         495         146         601         159         303         1438           Agr:10         134         583         171         305         1438         149         149         149         149         149         149         149         149         149         149         141         155         140         141         155         140         141         1						1805	
Number         144         601         159         303         1438           Apr:10         134         583         171         305         465           May:10         36         704         46         44         252           Jun:10         1217         595         466         622         530           Jul:10         141         595         207         348         498           Aug:10         144         611         61         205         498           Sep:10         117         541         21         338         58           Obe:10         74         426         66         21         597           Jun:11         717         543         403         594         1332           Feb:11         70         523         409         1056         597           Jun:11         61         594         321         492         623           Jun:11         70         523         109         175         741           Jun:11         61         594         321         220         703           Jun:11         70         523         661         131			+				
$hyr_{10}$ 134         583         171         305         465           hyr_{10}         36         704         48         84         252           hyr_{10}         141         565         207         348         498           hyr_{10}         141         565         207         348         498           hyr_{10}         144         611         61         205         498           hyr_{10}         145         555         66         211         449           hyr_{10}         74         256         0         74         429           bor.10         74         256         0         74         429           bor.10         74         256         0         74         429           bor.10         74         426         0         132         132           har.11         17         518         498         365         1332           har.11         120         120         120         136         136           har.11         61         504         121         620         137         136           har.11         75         233         68							
May:10         36         704         48         84         252           Jwr:10         141         565         207         348         498           Aug:10         144         611         612         530           May:10         144         611         612         205           Sep:10         117         541         211         138         58           Oct:10         12         557         20         22         557           Oct:10         2         557         20         22         557           Ian:11         127         518         148         355         1352           reb:11         137         534         403         540         1366           Mar:11         61         504         121         182         623           Apr:11         0         602         19         19         541           Mar:11         17         653         210         623         464           Jur.11         476         550         126         64         127         63           Agr:10         68         664         52         128         564         128				<b>.</b>			
Jur.10         217         555         406         6.23         530 $hul_{10}$ 161         561         207         348         4698 $hul_{10}$ 141         565         207         348         4698 $Ger.10$ 145         545         207         348         4698 $Ger.10$ 145         545         66         211         449 $Ger.10$ 2         557         20         22         555 $Ian.11$ 217         518         448         365         1532 $freb.11$ 137         534         403         550         1566 $Mar.11$ 61         504         121         182         623 $Mar.11$ 61         504         120         624         52 $Mar.11$ 70         523         105         175         743 $Mar.11$ 47         650         21         686         546 $Mar.11$ 47         650         21         686         54 $Mar.11$ 47         550         660	Apr-10	134	583	171	305	465	
Jur.10         217         555         406         6.23         530 $hul_{10}$ 161         561         207         348         4698 $hul_{10}$ 141         565         207         348         4698 $Ger.10$ 145         545         207         348         4698 $Ger.10$ 145         545         66         211         449 $Ger.10$ 2         557         20         22         555 $Ian.11$ 217         518         448         365         1532 $freb.11$ 137         534         403         550         1566 $Mar.11$ 61         504         121         182         623 $Mar.11$ 61         504         120         624         52 $Mar.11$ 70         523         105         175         743 $Mar.11$ 47         650         21         686         546 $Mar.11$ 47         650         21         686         54 $Mar.11$ 47         550         660	May-10	36	704	48	84	252	
Initial         141         555         207         348         498 $wgp:0$ 114         611         611         205         498 $ygp:0$ 117         541         21         138         58 $0cr:0$ 145         555         66         211         449 $0cr:0$ 2         557         22         557 $0cr:0$ 2         557         23         24 $0cr:1$ 10         662         139         19         541 $Mar:1$ 10         662         120         723         24 $Aur:1$ 147         650         21         68         546         24 $Aur:1$ 130         68         133         550         26         26 $0cr:11         131         64         322         56         120         524           0cr:11$				+	623		
hugi0         144         611         261         205         498           fsp:10         145         545         66         211         449           Nov:10         74         426         0         74         449           Nov:10         74         426         0         74         449           Dec:10         2         557         20         22         557           Jan:11         217         518         144         365         1352           Reb:11         37         524         403         560         1356           Mar:11         61         504         121         182         623           Mar:11         70         523         105         175         743           Jun:11         129         637         91         220         703           Jul:11         47         650         21         68         546           Orc:11         131         642         137         288         640           Mar:12         37         375         7         44         461           Ian:12         37         375         7         44         611 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
$sp_{10}$ 117         541         21         138         58 $Or:10$ 145         545         66         211         449 $Nov:10$ 74         426         0         74         429 $Dec:10$ 2         557         20         22         557 $Ian:11$ 137         534         403         540         1366 $Mar:11$ 61         504         1182         623			t				
Oct:0         145         545         66         211         449           Nov:0         74         426         0         74         429           Dec:10         2         557         20         22         557           Jan:11         217         518         148         365         1532           Arr:11         61         504         121         182         623           Agr:11         0         602         19         19         534           Mar:11         0         523         105         175         743           Jun:11         129         637         91         2200         703           Jur:11         46         644         52         120         624           Aug:11         68         644         52         128         594           Oct:11         131         642         137         268         660           Nov:11         75         253         68         143         550           Oct:11         131         642         322         55         120         524           Mar:12         138         555         143         122	Aug-10		611		205		
isor-10         74         425         0         74         429           ber:10         2         557         20         22         557         1           Ian:11         217         518         149         365         1552         1           Reb:11         137         534         403         560         1366         1           Mar:11         0         662         19         19         541         1           Mar:11         0         662         19         19         541         1           Juh:11         128         637         91         220         703         1         1           Juh:11         147         650         21         66         546          1         <	Sep-10	117	541	21	138	58	
Nor.10         74         425         0         74         429           Dee:10         2         557         20         22         557           Inn:11         217         518         148         365         1532           Ireb:11         137         534         403         540         1366           Mar:11         61         504         121         182         623           Agr:11         0         602         19         19         541           Jun:11         128         637         91         220         703           Jun:11         47         650         21         68         546           Arg:11         68         664         52         128         594           Oc:11         131         642         137         288         660           Nor:11         75         253         68         143         550           Dec:11         64         397         17         81         316           Iar:12         57         7         44         661         182           Agr:12         92         478         142         284         689 <td>Oct-10</td> <td>145</td> <td>545</td> <td>66</td> <td>211</td> <td>449</td> <td></td>	Oct-10	145	545	66	211	449	
Dec:00         2         557         20         22         557           Jm:11         217         518         140         365         1532           reb:11         217         518         403         540         1366           Mar-11         61         504         121         182         623           Agr:11         0         602         19         19         541           Mary.11         0         523         105         175         743           Jun:11         128         637         91         220         703           Juh:11         47         650         21         68         546           Sep:11         76         549         52         128         594           Occi.11         131         642         137         288         660           Nov:11         75         53         68         143         550           Jan:12         378         76         7         44         461           Her:12         85         156         154         312         683           Agr:12         87         86         152         546						479	
isr.11         217         518         148         365         1532           isr.11         137         534         403         540         1366           Mar.11         61         504         121         182         623           Mar.11         0         662         19         19         541           Mar.11         170         523         105         175         743           Jun.11         47         650         21         68         546           Aug.11         63         664         52         120         624           Sep.11         76         549         52         128         594           Oct.11         131         642         137         288         660           Nor.11         75         253         68         143         550           Dec.11         64         397         17         81         316           Jar.12         37         376         7         44         461           Jar.12         158         556         154         312         689           Agr.12         92         478         142         244         690							
Feb:11         137         534         403         540         1366           Mar:11         61         564         121         182         623         Aar.11           Mar:11         70         523         105         175         743         Aar.11         70         523         105         175         743           Jun:11         129         637         91         220         703         Aar.11         47         650         21         668         546         Aar.11         68         664         52         120         624         Aar.11         68         664         52         120         624         Aar.11         68         642         137         786         660         Aar.11         73         76         7         44         461         Aar.12         556         150         154         142         224         681         Aar.12         155         556         154         132         683         Aar.12         183         142         224         681         Aar.12         183         122         209         609         Aar.12         184         122         209         609         Aar.12         165         167 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Mar-11         61         504         121         182         623           Apr-11         0         6602         19         19         941           Mar-11         70         522         105         175         743           Jun-11         129         637         91         220         703           Jun-11         147         650         21         68         546           Spp-11         76         549         52         120         624           Spp-11         76         549         52         120         624           Oct-11         131         642         137         288         660           Oct-11         64         397         17         81         316           Jan-12         37         376         7         44         661           Apr-12         92         478         142         284         681           Mar-12         158         556         154         312         689           Apr-12         92         478         142         284         681           Mar-12         158         556         154         312         689	Jan-11	217	518	148	365	1532	
Apr:1106021919541 $Mw_{2}:11$ 70523105175743 $Jun:11$ 1296502168546 $Aug:11$ 6866452120624Sp-117654952128594Oct:11131642137268660Nov:117525366143550De:111643971781316Ian:1237376744461Ian:1237376744461Ian:12158556154312689Apr:1292478142234681Mm-12128556154312689Mar-1292478142234681Mm-1287384122209609Jun:12955061672620Sp-12763321221980Oct:12563881001560Now-122237437590De:1275609138213390Jan:13036600Apr:1381563160241Jun:14985531161497Jun:1366331016Apr:1381563160241Jan:1321700<	Feb-11	137	534	403	540	1366	
Apr:1106021919541 $Mw_{2}:11$ 70523105175743 $Jun:11$ 1296502168546 $Aug:11$ 6866452120624Sp-117654952128594Oct:11131642137268660Nov:117525366143550De:111643971781316Ian:1237376744461Ian:1237376744461Ian:12158556154312689Apr:1292478142234681Mm-12128556154312689Mar-1292478142234681Mm-1287384122209609Jun:12955061672620Sp-12763321221980Oct:12563881001560Now-122237437590De:1275609138213390Jan:13036600Apr:1381563160241Jun:14985531161497Jun:1366331016Apr:1381563160241Jan:1321700<		61	504	121	182	623	
May-11         70         523         105         175         743           Jun-11         129         637         91         220         703           Jun-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           Nor-11         75         253         68         143         550           Dec-11         64         397         17         81         316           Ian-12         37         76         7         44         461           Feb-12         64         312         689         144         224         681           Agr-12         92         478         142         224         681         142           May-12         95         506         157         262         0         1412           Jun-12         66         357         86         152         546         140           Jun-13         98			+				
Jun-1112963791220703Jul-11476502168546Aug-116866452120624Sep-117654952128594Oct.11131642137258660Nov-117525368143550Dec.11643971781316Jan-1237376744461Feb-126432256120524Mar.21158556154312689Am-1292478142224681May-1287384122209609Jur-126635786152546Jur-12985701612590Aug-12955061672620Sep-13767321221980Oct.122563881001560Nev-122237437590Dec.1275609128213390Jan-13036600390Har.133454080124390Jur-13663310161497Jur-13663310161497Jur-138156337700Sep-1313753543670<			t				
jul-11476502168546Aug-116866452120624Sep-117654952128594Oct-11131642137268660Nov-117525368143550Dec-11643971781316Jan-1237376744461Jan-1237376744461Jan-126432256120524Mar.12158556154312689Agr.1287384122209609Jun-126635786152546Jul-12985701612590Jul-12985701672620Sep-12763321321380Jul-12563881001560Nrv-122237437590Dec-1256388100124390Jan-133454090124390Jan-13018800410Agr-13018800410Agr-130188001055Jul-13052700Jul-130533144600Agr-13815633173660Agr-1318							
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         132         689           Aug-12         97         384         122         699         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         0           Oct-12         55         506         167         262         0         100           Mar-13         0         138         213         390	Jun-11	129	637	91	220	703	
Sep:11         76         549         52         128         594 $Oct.11$ 131         642         137         268         660 $Nor.11$ 75         253         68         143         550 $Dec.11$ 64         397         17         81         316 $Iar.12$ 37         376         7         44         461 $Iar.12$ 37         376         7         44         461 $Mar.12$ 138         556         154         312         689 $Apr.12$ 92         478         142         224         681 $Mar.12$ 92         478         142         224         681 $Mar.12$ 93         50         152         546 $Mur.12$ 98         50         157         262         0 $Agr.12$ 95         506         167         262         0	Jul-11	47	650	21	68	546	
Sep:11         76         549         52         128         594 $Oct.11$ 131         642         137         268         660 $Nor.11$ 75         253         68         143         550 $Dec.11$ 64         397         17         81         316 $Iar.12$ 37         376         7         44         461 $Iar.12$ 37         376         7         44         461 $Mar.12$ 138         556         154         312         689 $Apr.12$ 92         478         142         224         681 $Mar.12$ 92         478         142         224         681 $Mar.12$ 93         50         152         546 $Mur.12$ 98         50         157         262         0 $Agr.12$ 95         506         167         262         0		68	664	52	120	624	
Oct:11         131         642         137         268         660           Nor.11         75         253         68         143         550           Jar.12         37         376         7         44         461           Jar.12         37         376         7         44         461           Feb.12         64         322         56         120         524           Mar.12         158         556         154         312         689           Amr.12         87         384         122         299         609           Jur.12         66         357         86         152         546           Jur.12         95         506         161         259         0							
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         224         681           May-12         87         384         122         209         609           Jun-12         66         357         86         152         546           Jul-12         96         507         161         259         0           Agr-12         95         506         167         262         0							
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$							
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Nov-11	75	253	68	143	550	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Dec-11	64	397	17	81	316	
Feb:12         64         322         56         120         524           Mar:12         158         556         154         312         689           Apr:12         92         478         142         224         681           May:12         87         384         122         209         6609           Jul:12         98         570         151         259         0           Aug:12         95         506         167         262         0           Sep:13         76         332         132         198         0           Oct:12         56         388         100         156         0           Nov:12         22         374         37         59         0           Jan:13         34         540         90         124         390           Jan:13         0         386         0         410         10           Apr:13         81         563         160         241         1150           May:13         6         633         10         16         1497           Jul:13         84         569         438         522         1100							
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-13         98         570         161         259         0           Agr.12         95         506         167         262         0           Sep.12         76         332         122         198         0         0           Oct.12         56         388         100         156         0         0           Dec:12         75         609         138         213         390         0           Jan-13         34         540         90         124         390         0           Mar-13         0         188         0         0         410         0           Apr.13         81         563         160         241         1150         0           May.13         6         633         10         16         1497         0         0							·····
Apr-12         92         478         142         234         661           May-12         87         384         122         209         609           Jun-12         66         357         86         152         546           Jun-12         98         570         161         259         0           Aug-12         95         506         167         262         0           Sep-12         76         332         122         198         0           Sep-12         76         332         122         198         0           Oct-12         56         388         100         156         0           Nov-12         22         374         37         59         0           Jan-13         34         540         90         124         390           Jan-13         0         366         0         0         390           Mar-13         0         368         0         0         410           Apr-13         81         563         160         241         1150           May-13         6         633         10         16         1497							·····
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			÷				
May-12         87         384         122         209         609           Jun-12         66         357         86         152         546           Jul-13         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	Apr-12	92	478	142	234		
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           Dec.12         75         609         138         213         390           Jan-13         34         540         90         124         390           Jan-13         0         186         0         0         410           Apr.13         0         188         0         0         410           Apr.13         6         633         10         16         1497           Jur-13         84         569         438         522         1100           Aug-13         86         635         374         460         0           Jur-13         86         635         374         460         0           Sep-13         13         75         354         367         0		87	384	122	209	609	
1ul-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         Jan-13       34       540       90       124       390         Jan-13       0       366       0       0       390         Mar-13       0       188       0       0       410         Apr-13       81       563       160       241       1150         Mar-13       0       527       0       0       1055         Jun-13       0       527       0       0       1055         Jul-13       84       569       438       522       1100         Aug-13       6       633       174       460       0         Sep-13       13       75       354       367       0         Oct-13       68       0       338       406       0       1         Jar-14			····		152	546	
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           Mar-13         0         366         0         0         390           Mar-13         0         188         0         0         410           Apr-13         81         563         160         241         1150           Mar-13         0         527         0         0         1055           Jul-13         84         569         438         522         1100           Aug-13         86         635         374         460         0           Oct:13         68         0         338         406         0           Nov-13         28         0         301         329         0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td><u>.                                    </u></td><td></td></t<>						<u>.                                    </u>	
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           Mar-13         0         527         0         0         1055           Jun-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 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
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           Jur-13         0         527         0         0         1055           Jur-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 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
Nov-12         22         374         37         59         0           Dec:12         75         609         138         213         390           Jan-13         34         540         90         124         390           Jan-13         34         540         90         124         390           Mar-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         86         635         374         460         0           Sep-13         13         75         354         367         0           Oct:13         68         0         338         406         0           Jan-14         31         293         177         203         0           Feb-14         17         237         217         234         0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
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           Mary-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							· · · · · · · · · · · · · · · · · · ·
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           Mar/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           <	Nov-12	22	374	37	59		
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       10055         Jul-13       84       569       438       522       11100         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       32       960       206       228       660         May-14			609	138	213	390	
Feb-13         0         366         0         0         390           Mar-13         0         188         0         0         410           Apr-13         81         563         160         241         1150           Mar-13         6         633         10         15         1497           Jun-13         0         527         0         0         1055           Jun-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         1           Ian-14         31         293         172         203         0         1           Mar-14         22         960         206         228         660         460           Mar-14         15         738         312 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
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         560         206         228         660           Apr-14         115         738         312         4277         680							
Apr-13         81         563         160         241         1150           May-13         6         633         10         16         1497           Jun-13         0         527         0         0         1055           Jun-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         0           Jan-14         31         293         172         203         0         0           Jan-14         31         293         172         203         0         0           Jan-14         31         293         172         203         0         0           Mar-14         22         960         206         228         660         0           May-14         233         <							
May-13         6         633         10         16         1497           Jun-13         0         527         0         0         1055           Jul-13         84         569         438         522         1100           Aug-13         86         669         438         522         1100           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           Mar-14         15         738         312         427         680           May-14         233         544         324         557         820           Jun-14         163         516         220         383         0 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>							
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         Oct-13       68       0       338       406       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 <td>Apr-13</td> <td>81</td> <td>563</td> <td>160</td> <td>241</td> <td></td> <td></td>	Apr-13	81	563	160	241		
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         Oct-13       68       0       338       406       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 <td>May-13</td> <td>6</td> <td>633</td> <td>10</td> <td>16</td> <td>1497</td> <td></td>	May-13	6	633	10	16	1497	
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           Amr-14         15         738         312         427         680           May-14         233         544         324         557         820           Jun-14         163         516         220         383         0           Jun-14         163         516         220         383         0           Jun-14         163         516         220         383         0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
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         338         406         0           Dec-13         19         363         317         336         0           Jar-14         31         293         172         203         0           Jar-14         31         293         172         203         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  <							
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           May:14         233         544         324         557         820           Jun-14         163         516         220         383         0           Jul-14         190         566         251         441         240           Jul-14         193         325         558         260         260           Sep-14         134         493         274         408         330							•
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:13         68         0         338         406         0           Nov:13         28         0         301         329         0           Dec:13         19         363         317         336         0           Jar: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           Jul-14         133         831         325         558         260           Sep-14         134         493         274         408         330	Sep-13	13	75	354	367	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         330				338	406	0	
Dec-13         19         363         317         336         0           Jar-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				-			
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           Jun-14         190         566         251         441         240           Aug-14         233         831         325         558         260           Sep-14         134         493         274         408         330							·····
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           Jun-14         190         566         251         441         240           Aug-14         233         831         325         558         260           Sep-14         134         493         274         408         330         1						And the second s	······
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							·····
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	Feb-14	17	237	217	234	0	
Apr-14         115         738         312         427         680           May-14         233         544         324         557         820           Jun-14         163         516         220         383         0           Jun-14         190         566         251         441         240           Aug-14         233         831         325         558         260           Sep-14         134         493         274         408         330			• • • • • • • • • • • • • • • • • • • •		228	660	
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			*				
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							i
Jul-14         190         566         251         441         240           Aug-14         233         831         325         558         260           Sep-14         134         493         274         408         330							
Aug-14         233         831         325         558         260           Sep-14         134         493         274         408         330							
Aug-14         233         831         325         558         260           Sep-14         134         493         274         408         330		190	566	251	441	240	
Sep-14 134 493 274 408 330							
	Δισ.14						
Uct-14   126   481  262  388    170				374	400	1 330	
	Sep-14	134	493				

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



.

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. 5 Submitted by:CROWNQUEST OPERATING, LLC Hearing Date: July 20, 2017