DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT       DEC 15 2014       OMB NO. 1004-0135 Expires: July 31, 2010         SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter ap CEIVED abandoned well. Use form 3160-3 (APD) for such proposals.       5. Lease Serial No. NMNM118109         SUBMIT IN TRIPLICATE - Other instructions on reverse side.       7. If Unit or CA/Agreement, Name and/or No.         1. Type of Well       Gas Well       Other         2. Name of Operator COG OPERATING LLC       Contact: CHASITY JACKSON E-Mail: cjackson@concho.com       9. API Well No. 30-015-40459	,	UNITED STATES NM OIL CONSERVATION ARTESIA DETRID-ARTESIA							
SUBMIT IN TRIPLICATE - Other instructions on reverse side.       2. If Usin of CAAgreeners, Name and/on.         I. Type of Weil       G. Well Gas WellOner       8. Well Name and No.         Type of Weil       G. WellGas WellOner       8. Well Name and No.         COG OPERATING LLD       E-Mail: cipeSon@concha.com       9. APH Well No.         So NE CONCHO CENTER 600 W. ILLINOIS AVE       10. Interes No (include area cold)       11. Using of period.com         So NE CONCHO CENTER 600 W. ILLINOIS AVE       13. Phone No (include area cold)       11. Using of period.com         So NE CONCHO CENTER 600 W. ILLINOIS AVE       13. Phone No (include area cold)       11. Using of period.com       12. Cherce Name Society         Second of Well       (freeways Sec. 7. E. M. or some preceptions)       13. Cherce Name Society       13. Cherce Name Society       14. Cherce Name Society         1. CCHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF SUBMISSION       TYPE OF ACTION         1. Nortice of Intent	B	EPARTMENT OF THE IN UREAU OF LAND MANAG	TERIOR GEMENT	DEC 15 20	)14	Expires: July 31, 2010 5. Lease Serial No.			
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B Of Well         Classet         OHASITY JACKSON         TUMAR REPEARLS           Conservery         Conservery         Conservery         Conservery         39.0135-404369           Conservery         Conservery         Conservery         29.0135-404369         39.0135-404369           Conservery         Pressor         10. Field and Product or Exploratory         EMPIRE           MIDLAND, XT X9701         Inclusion of Well         (Frances conservery)         11. County or Pariab, and State           Se of 1177S R28E Mer NMP SWSW 245FSL 230FWL         EDDY COUNTY, NM         1         1           1         1.         County of Pariab, and State         EDDY COUNTY, NM           1         1.         County of Pariab, and State         EDDY COUNTY, NM           1         1.         County of Pariab, and State         EDDY COUNTY, NM           1         1.         County of Pariab, and State         EDDY COUNTY, NM           1         1.         County of Pariab, and State         EDDY COUNTY, NM           1         1.         County of Pariab, and State         EDDY COUNTY, NM           1         County of State County of Pariab, and State         EDDY COUNTY, NM         EDDY COUNTY, NM           1         Conservery         County of County of County of County of County of Co	SUBMIT IN TRI	IPLICATE - Other instruc	tions on rever	se side.	<del>.</del> .	7. If Unit or CA/Agre	ement, Name and	/or No.	
2. Noise of Operation COGG OPERATING LLC EMail: (jackson@ Bonchocom 30-015-40459 30-015-40459 30-015-40459 30-015-40459 30-015-40459 30-015-40459 30-015-40459 42. Location of Well ( <i>Floridige, Sec. T. R. M. or Survey Description</i> ) Fh: 432-866-3087 10. FMPIRE DDY COUNTY, NM 4 4. Location of Well ( <i>Floridige, Sec. T. R. M. or Survey Description</i> ) See 14 T175 ( <i>Floridige, Sec. T. R. M. or Survey Description</i> ) See 14 T175 ( <i>Floridige, Sec. T. R. M. or Survey Description</i> ) 11. Course of Parish, and State DDY COUNTY, NM 1 1 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION IVPE OF ACTION ON Construction    Production (Star/Resume)    Water Shut-Off    Acidize    Causing methods and method operation    Causing methods and method for methods and method of a protocol and method for methods and method of a protocol and method for methods and method of a protocol and method for methods and method of a protocol and method for the operation in the interval is provided on the operation in the interval is provided on a protocol work and approximate duration theorem 1    Acidize    Causing method operation in the interval is provided on a protocol work and approximate duration theorem 1    Causing method operation in the operation in the interval is provided on a protocol work and approxima	1. Type of Well  R Oil Well Gas Well Ot	her		-	•				
ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND. XY 87701       Ph: 432-686-3087       EMPIRE         4. Location of WEI (Founge, Sec. T. F. M., or Survey Description)       11. County or Parish, and State         Sec 14 117S R28E Mer NMP SWSW 245FSL 230FWL       EDDY COUNTY, NM         1       12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION         Image: Subscruct A state       Acticize         Image: Subscruct A state       Observe Treat         Rotice of Inten       Acticize         Image: Subscruct A state       Other         Image: Subscruct A state	2. Name of Operator	Contact: (	CHASITY JAC	KSON					
		0 W. ILLINOIS AVE					Exploratory		
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA      TYPE OF SUBMISSION		F., R., M., or Survey Description)				11. County or Parish,	and State		
TYPE OF SUBMISSION       TYPE OF ACTION         Image: Subsequent Report       Acidize       Decepen       Production (Start/Resume)       Water Shut-Off         Image: Subsequent Report       Casing Repair       New Construction       Reclamation       Well Integrity         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       Other         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       Other         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       Other         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       Other         Image: Subsequent Report       Casing Repair       Plug Back       Water Disposal       Other         Image: Subsequent Report       Convert to Injection       Plug Back       Water Disposal       Image: Subsequent Report         Image: Subsequent Report       Image: Subsequent Report       Convert to Injection       Plug Back       Water Disposal         Image: Subsequent Report       Image: Subsequent Report       Convert to Injection       Plug Back       Water Disposal         Image: Subsequent Report       Image: Subsequent Report       Convert Injection       Plug Back       Water Subsequent Rup Convertins Rup Con	Sec 14 T17S R28E Mer NMP	SWSW 245FSL 230FWL				EDDY COUNT	Y, NM		
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Subsequent Report Subsequent Report Casing Repair Casing	Notice of Intent	C Acidize	🗖 Deepe	ז	Produc	tion (Start/Resume)	🗖 Water Shu	Jt-Off	
Final Abandonment Notice     Final Abandonment Notice     Gusting RDpain     Plug and Abandon     Temporarily Abandon     Convert to Injection     Plug and Abandon     Temporarily Abandon     Convert to Injection     Plug Back     SWater Disposal     Convert to Injection     Convert to Injection     Convert to Injection     Plug Back     SWater Disposal     Convert to Injection     Convert     Convert to Injection     Convert     Convert     Convert		Alter Casing	🗖 Fractu	re Treat	🗖 Reclam	Reclamation		grity	
Convert to Injection     Plug Back     Water Disposal     Plug Back	Subsequent Report	Casing Repair	🗖 New C	onstruction	🗖 Recom	Recomplete			
3. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical deptils of all pertinent markers and zones. Attach the bood under which the work will be performed or provide the Bond No. on file will BLM/BLA. Required and true vertical deptils of all pertinent markers and zones. Stothowing completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. The all handonneem Notices shall be filed only after all requirements, including reclanation, have been completed, and the operator has determined that the site is ready for final inspection.) COG Operating LLC, respectfully requests this water disposal method for the following battery. Tumak Federal Battery location. Producing Formation: Empire Amount Produced: 341 BWPD Water stored in 500 bbl Water Tank Water stored in 1500 bbl water Tank Water stored in 1500 bbl water Afood WFX-861 or the disposal wells in the system at the Empire Area. The Empire Area wells include the following: GJ West Coop Unit Water Flood WFX-861 or the disposal wells in the system at the Empire Area. The Empire Area wells include the following: GJ West Coop Unit Water Flood WFX-863 or to the disposal wells in the system at the Empire Area. The Empire Area wells include the following: GJ West Coop Unit Water Flood WFX-863 or to the Constituent of AFMSS for processing by LINDA DENNISTON on 11/25/2014 () Name(Printed/Typed) CHASITY JACKSON Title PREPARER Signature (Electronic Submission) Date 07/10/2014 APPROVED JAMES A, AMOS SupPERVISION-EPS JAMES A, AMOS SupPERVISION-EPS JAMES A, AMOS SupPERVISION-EPS	Final Abandonment Notice	Change Plans Dlug		and Abandon 🛛 🗖 Temporari		rarily Abandon			
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/RLA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.) COG Operating LLC, respectfully requests this water disposal method for the following battery. Trumak Federal Battery location. Producing Formation: Empire Amount Produced: 341 BWPD Water stored in 500 bbl Water Tank Water is transfered by 4 <sup>1</sup> DBP Polypipe to COG's 8 <sup>m</sup> main line water system. The water doesn't go to a particular well, it is distributed into the main water system and is distributed into either the Jankins B Water Flood WFX-861 or the disposal wells in the system at the Empire Area. The Empire Area wells include the following: GJ West Coop Unit Water Flood WFX-245-0 Chase 21 State Com 1900-53.0874 SWD-1007 Big George SWD 3 - 30-015-28759 SWD-611 14. 1 hereby certify that the foregoing is true and correct. Electronic Submission #252508 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by LINAD DEINNISTON on 11/25/2014 () Name(Printed/Typed) CHASITY JACKSON Title PREPARER Signature (Electronic Submission) Date 07/10/2014 Approved By Optice Diffice Di		Convert to Injection		; Back 🛛 🔀 Water I		Disposal			
Electronic Submission #252508 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by LINDA DENNISTON on 11/25/2014 ()         Name(Printed/Typed)       CHASITY JACKSON       Title       PREPARER         Signature       (Electronic Submission)       Date       07/10/2014       APPROVED         Matter       Fills SPACE FOR FEDERAL OR STATE OFFICE       USE       DEC       2014         Approved By       Title       Title       Date       Date         Onditions of approval, if any, are attached. Approval of this notice does not warrant or rtify that the applicant holds legal or equitable title to those rights in the subject lease hich would entitle the applicant to conduct operations thereon.       Office       JAMES A. AMOS         Office       Office       UPERVISOR-EPS       Office	following completion of the involved testing has been completed. Final A determined that the site is ready for f COG Operating LLC, respect Tumak Federal Battery locatio Producing Formation: Empire Amount Produced: 341 BWPf Water stored in 500 bbl Wate Water is transfered by 4" DRS a particular well, it is distribute Jenkins B Water Flood WFX-4 disposal wells in the system a GJ West Coop Unit Water Flo Chase 21 State Com 1 SWD	d operations. If the operation res bandonment Notices shall be file final inspection.) fully requests this water dis on. D r Tank 9 Polypipe to COG's 8" ma ed into the main water syst 861 or the at the Empire Area. The En od WFX-245-0 - 30-015-30874 SWD-100	ults in a multiple o d only after all req sposal method in line water sy en and is distri npire Area well:	ompletion or recon uirements, includi for the followin stem. The wate buted into eithe	mpletion in a ing reclamatic ng battery. er doesn't g er the	new interval, a Form 316 in, have been completed, in the second s	50-4 shall be filed and the operator f 9/19/19/19/19/19/19/19/19/19/19/19/19/19	once nas	
For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by LINDA DENNISTON on 11/25/2014 ()         Name(Printed/Typed)       CHASITY JACKSON       Title       PREPARER         Signature       (Electronic Submission)       Date       07/10/2014       APPROVED         THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Diffice         Onditions of approval, if any, are attached. Approval of this notice does not warrant or entify that the applicant holds legal or equitable title to those rights in the subject lease hich would entitle the applicant to conduct operations thereon.       Office       DIEC       JAMES A, AMOS         Office	14. I hereby certify that the foregoing is		52508 verified	w the BLM Well	Informatio	n Svetom			
Name (Printed/Typed)       CHASITY JACKSON       Title       PREPARER         Signature       (Electronic Submission)       Date       07/10/2014       APPROVED         THIS SPACE FOR FEDERAL OR STATE OFFICE       JSE         Approved By       Title       Date       Date         onditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease hich would entitle the applicant to conduct operations thereon.       Office       JAMES A. AMOS SUPERVISOR-EPS         Office         itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United		For COG O	PERATING LLC	sent to the Ca	arlsbad				
Signature       (Electronic Submission)       Date       07/10/2014       APPROVED         THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By       Title       Date       Date         Onditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease hich would entitle the applicant to conduct operations thereon.       Office       Date       Date         Office         itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United	Name(Printed/Typed) CHASITY					LJ/2014 ()		2	
Signature       Date       07/10/2014         THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By			·		<u> </u>			- <b>-</b> ]	
Approved By	Signature (Electronic	Submission)	I	Date 07/10/20	014				
Approved By Title Date Date Date Date Date Date		THIS SPACE FO	R FEDERAL	OR STATE (	OFFICE			·	
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	Title 18 U.S.C. Section 1001 and Title 43	U.S.C. Section 1212, make it a	crime for any perso	on knowingly and	willfully to m	ake to any department or	agency of the Un	iited	

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

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## Additional data for EC transaction #252508 that would not fit on the form

#### 32. Additional remarks, continued

Muskegon 16 State com 1 SWD - 30-015-27108 SWD-624

# Saber Fed #1

<del>≫CONCHO</del>

Dodd North Route Eddy County, New Mexico Prepared by: Travis Newman & Ryan Murphy

Well Repair June 4, 2014

#### OPERATIONS & ENGINEERING WELL EXPENDITURE ROUTING PROCEDURE

#### **Objective**

The objective of this procedure is to repair the mechanical integrity issue that caused it to fail the state Mechanical Integrity test and bring the well back into compliance. We will test casing and bail some of the fill to get more rathole, then go in with a redressed packer and on/off tool.

#### **Well Information**

Well Type:	SWD
API:	30-015-27882
Location:	720 FNL 2005 FEL SEC 11-17S-29E Unit B
Deviated:	No
Scada:	No
Projected Cost:	\$124,000
AFE No:	005784

#### **Completion Information**

MD Perforations:

- Wolfcamp
  - o 7338' 7508' Squeezed on 10/11/95 (Above Packer)
- Cisco
  - o 8644' 8688'
  - o 8644' 8962' Re-perf on 10/09/1995
  - o 8847' 8872'
  - o **8877' 8921'**
  - o 8939' 8962'

Current PBTD:	9333'
DV Tool:	6981'

Tubular Data								
Size	Weight (Ib/ft)	Grade	ID (in)	Drift (in)	Collapse (psi)	Burst (psi)	Capacity (bbl/ft)	
2-7/8"	6.5	L-80	2.441	2.347	11,170	10,570	0.00579	
3-1/2"	9.3	L-80	2.992	2.867	7,400	6,980	0.00870	

Casing Data									
Size	Weight (lb/ft)	Grade	ID (in)	Drift (in)	Collapse (psi)	Burst (psi)	Capacity (bbl/ft)		
7"	26	S-95	6.276	6.151	7,800	8,600	0.032		

#### Well History

- 04/19/1994 Spud date
- 09/25/1995 Cement squeeze @ 7510': csg would not test

- 09/28/1995 Cement sqeeze: csg tested
- 10/09/1995 Reperfed @ 8898' 8906'
- 02/14/2002 Acid job
- 01/20/2003 Acid job
- 07/21/2003 Acid job
- 03/25/2009 Acid job
- 09/24/2009 Acid job
- 03/17/2010 Acid job
- 07/27/2010 HIT (jts 18 & 24); trouble getting off on/off tool; packer junked, pitted, corroded
- 04/27/2011 Acid job: tagged fill @ 8700', cleaned out to PBTD (9333')
- 07/09/2013 Csg pressure increased from 0 psi to 230 psi
- 8/26/2013 Change packer for pressure on backside, test csg, acidize w/ 36,600 gal 15% HCl & 15,000# rock salt
- 5/15/2014 Wireline dip in showed fill @ 9,084 122' below bottom perf.

#### Current Tubing Detail

- 274 jts 3-1/2" 9.3# IPC Tubing (L-80)
- Stainless Steel X/O
- 7" X 3-1/2" NP ON/OFF Tool
- 7" X 3-1/2" 7K AS1-X NP PKR @ 8,586' w/ SS 2.81 "F" Profile

#### Procedure for Work-over

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- MIRU WSU & Kill Truck
- Check casing and tbg pressure, pump brine down tbg kill well
  - From tbg pressure of ~50 psi (per Zilmer this morning), brine should kill it easily.
- ND WH, NU BOP, pressure test BOP.
- Get off on/off tool, sit for ~1hr to let pressures equalize
- Get back on on/off tool, release packer
- POOH w/ tbg. Set tbg on rubber mats and use thread protectors on pin end.
  - Visually inspect tubing for wear & corrosion, especially on the pin end.
  - Lay down any bad tubing
  - o Visually check packer and on/off tool. Send to Globe for redress.
  - Please update tubing detail in PERC.
- Run work string w/ packer and RBP and packer.
- Set RBP @ 8544', set packer ~ 20' above
  - o Test RBP to 500 psi.
  - Release packer to pressure up casing.
- Test casing to 500 psi, please use caution because of the squeezed perforations above RBP.
- If casing pressure does not hold pressure test RBP.
  - If RBP pressure test OK, PU and find casing hole.
- If casing pressure holds, POOH with work string, packer, and RBP.
- PU bailer, RIH and bail fill.
  - We are going to try and get as much as we can with one run. Please record details of fill in PERC.
- POOH & LD Workstring
- RBIH w/ redressed packer/ O/O tool, hydro-testing tubing **below slips**. Replace any bad tubing joints. Tubing detail will stay the same.
- Set packer ~8,586 or a little higher
- Get off O/O tool, circulate annular capacity w/ packer fluid, get back on O/O tool.
  - Sit ~1 hr to overnight, top off backside w/ packer fluid
- Contact Richard Inge, complete Mechanical Integrity Test to his satisfaction.
- Bring chart by office at some point in time.
- ND BOP and NU WH.
- Contact Jason Barnett and turn over to injection.

#### <u>Notes</u>

- Please call if there are any questions or concerns.
- Record any corrosion or scale issues.

### **Contacts**

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- Fluid level Mike Otley
  - o 432-260-7072
  - o motley@concho.com
  - Foreman Jason Barnett
    - o jbarnett@concho.com
    - o 432-312-0204
  - Chemical Kenny Kearney
    - o 575-390-7782
    - o Kenny.kearney@catalystoilfield.com
- Packer Globe Mitch Johnson
  - o 575-513-4475

## BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

## Disposal of Produced Water From Federal Wells Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency shall be notified of any change in your method or location of disposal.

- 2. Compliance with all provisions of Onshore Order No. 7.
- 3. This agency shall be notified of any spill or discharge as required by NTL-3A.
- 4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
- 5. Any on-lease open top storage tanks shall be covered with a protective cover to prevent entry by birds and other wildlife.
- 6. This approval should not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.
- 7. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.
- 8. Disposal at any other site will require prior approval.

9. Subject to like approval by NMOCD.

7/10/14