

District I
1625 W. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC One Concho Center 600 W. Illinois Ave. Midland, TX 79701		² OGRID Number 229137
⁴ API Number 30 - 025-44518		³ Reason for Filing Code/ Effective Date NW Effective 09/05/18
⁵ Pool Name Maljamar; Yeso, West		⁶ Pool Code 44500
⁷ Property Code 320822	⁸ Property Name Shovel Head Federal Com	
		⁹ Well Number 18H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	5	17S	32E		330	South	200	East	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	3	17S	32E		358	South	2528	West	Lea
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 09/05/18	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Navajo	O
	Frontier	G

IV. Well Completion Data

²¹ Spud Date 06/20/18	²² Ready Date 09/05/18	²³ TD 13776MD/5768TVD	²⁴ PBTD 13770'MD	²⁵ Perforations 6116 - 13392	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	1013	800		
12-1/4	9-5/8	2287	695		
8-3/4	7	4902			
8-3/4	5-1/2	13768	1550		
	2-7/8 tbg	6083			

V. Well Test Data

³¹ Date New Oil 09/15/18	³² Gas Delivery Date 09/15/18	³³ Test Date 09/17/18	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 75	³⁶ Csg. Pressure 76
³⁷ Choke Size	³⁸ Oil 221	³⁹ Water 1075	⁴⁰ Gas 264		⁴¹ Test Method P

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

Signature:



Printed name:

Robyn Russell

Title:

Regulatory Analyst

E-mail Address:

Russell@concho.com

Date:

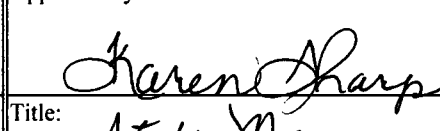
12/10/18

Phone:

432-685-4385

OIL CONSERVATION DIVISION

Approved by:



Title:

Staff Mgr

Approval Date:

12-11-18

Documents pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELL**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. SHOVEL HEAD FEDERAL COM 18H
2. Name of Operator COG OPERATING LLC Contact: ROBYN RUSSELL E-Mail: rrussell@concho.com		9. API Well No. 30-025-44518-00-X1
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287	3b. Phone No. (include area code) Ph: 432-685-4385	10. Field and Pool or Exploratory Area MALJAMAR
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T17S R32E SESE 330FSL 200FEL 32.857323 N Lat, 103.780685 W Lon		11. County or Parish, State LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. 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 recompleat 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/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

8/14/18 Drill out DV tool @ 4906'. Tested casing to 6500# for 30 mins, good test.
8/15/18-8/22/18 Frac and acidize 30 stages, sleeves @ 6116'-13392' w/60,333 gals 15% HCL. 37,070
gals treated water, 5,562,396 gals slick water, 2,879,520# 100 mesh sand, 2,280,000# 40/70 sand,
602,260# 40/70 CRCS.
9/03/18 Drill out sleeves and clean out to PBTD 13,770'.
9/05/18 RIH w/ESP, 181jts 2-7/8" J55 tbg, EOT @ 6083'. Hang on.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #443045 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 11/08/2018 (19PP0341SE)

Name (Printed/Typed) ROBYN RUSSELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/07/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	ZOTA STEVENS Title PETROLEUM ENGINEER	Date 11/08/2018
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Hobbs

Title 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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

DEC 11 2018

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND RECEIVED

Lease Serial No.
NMNM0315712

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG OPERATING LLC			Contact: ROBYN RUSSELL E-Mail: russell@concho.com		
3. Address 600 W. ILLINOIS AVE MIDLAND, TX 79701			3a. Phone No. (include area code) Ph: 432-685-4385		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 5 T17S R32E Mer NMP SESE 330FSL 200FEL At top prod interval reported below Sec 5 T17S R32E Mer NMP SESE 330FSL 200FEL At total depth Sec 3 T17S R32E Mer NMP SESW 358FSL 2528FWL			8. Lease Name and Well No. SHOVEL HEAD FEDERAL COM 18H		
14. Date Spudded 06/20/2018			15. Date T.D. Reached 07/08/2018		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/05/2018			9. API Well No. 30-025-44518		
18. Total Depth: MD 13776 TVD 5768			19. Plug Back T.D.: MD 13770 TVD 5768		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory MALJAMAR; YESO, WEST		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN			11. Sec., T., R., M., or Block and Survey or Area Sec 5 T17S R32E Mer NMP		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			12. County or Parish LEA		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 4090 GL					

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5		1013		800		0	
12.250	9.625 J55	40.0		2287		695		0	
8.750	7.000 L80	29.0		4902					
8.750	5.500 L80	20.0		13768		1550		0	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6083							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	6116	13392	6116 TO 13392			OPEN SLEEVES
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
6116 TO 13392	ACIDIZE W/60,333 GALS 15% ACID, FRAC W/37,070 GALS TREATED WATER, 5,562,396 GALS SLICK WATER,

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/15/2018	09/17/2018	24	→	221.0	264.0	1075.0	41.0	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		76.0	→	221	264	1075	1195	POW	

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #443134 VERIFIED BY THE BLM WELL INFORMATION SYS.

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

Documents pending review and scanned
will be approved and submitted

ED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	988		ANHYDRITE	RUSTLER	988
YATES	2269		DOLOMITE & SANDSTONE	YATES	2269
GRAYBURG	3655		DOLOMITE & SANDSTONE	GRAYBURG	3655
SAN ANDRES	3939		DOLOMITE & ANYDRITE	SAN ANDRES	3939
GLORIETA	5434		SANDSTONE & SILTSTONE	GLORIETA	5434
PADDOCK	5506		DOLOMITE	PADDOCK	5506

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #443134 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs

Name (please print) ROBYN RUSSELLTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 11/08/2018

Title 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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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