

District I
1625 N. 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 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
		³ Reason for Filing Code/ Effective Date NW Effective 9/17/18
⁴ API Number 30 - 025-44519	⁵ Pool Name Maljamar; Yeso, West	⁶ Pool Code 44500
⁷ Property Code 320822	⁸ Property Name Shovel Head Federal Com	⁹ Well Number 28H

II. ¹⁰ Surface Location

Ul or lot no. P	Section 5	Township 17S	Range 32E	Lot Idn	Feet from the 360	North/South Line South	Feet from the 201	East/West line East	County Lea
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¹¹ Bottom Hole Location

Ul or lot no. N	Section 3	Township 17S	Range 32E	Lot Idn	Feet from the 430	North/South line South	Feet from the 2507	East/West line West	County Lea
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 9/17/18	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 07/14/18	²² Ready Date 09/17/18	²³ TD 14209MD/6299TVD	²⁴ PBDT 14,192'	²⁵ Perforations 6561 - 13838	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	1011	695		
12-1/4	9-5/8	2283	695		
8-3/4	7	5539			
8-3/4	5-1/2	14198	1025		
	2-7/8 tbg	6511			

V. Well Test Data

³¹ Date New Oil 09/17/18	³² Gas Delivery Date 09/17/18	³³ Test Date 09/21/18	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 132	³⁶ Csg. Pressure 76
³⁷ Choke Size	³⁸ Oil 654	³⁹ Water 2528	⁴⁰ Gas 382		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

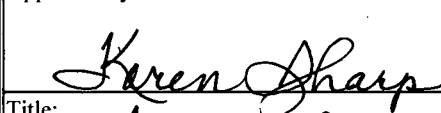
E-mail Address:
Rrussell@concho.com

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 WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMLC029406B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
SHOVEL HEAD FEDERAL COM 28H9. API Well No.
30-025-44519-00-X110. Field and Pool or Exploratory Area
MALJAMAR11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

COG OPERATING LLC

Contact: ROBYN RUSSELL

E-Mail: russell@concho.com

3a. Address

ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287

3b. Phone No. (include area code)

Ph: 432-685-4385

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 5 T17S R32E SESE 360FSL 201FEL
32.857651 N Lat, 103.780785 W Lon

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

TYPE OF SUBMISSION

- ☐
- Notice of Intent
-
- ☒
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <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.

8/11/18 Drill out DV tool @ 5485'.

8/12/18 Tested casing to 6500# for 30 mins, good test.

8/22/18-8/24/18 Frac and acidize 30 stages, sleeves @ 6561'-13838' w/60,480 gals 15% HCL. 36,456 gals treated water, 5,471,718 gals slick water, 2,886,680# 100 mesh sand, 2,288,220# 40/70 white sand, 596,310# 40/70 CRCS.

9/10/18 Drill out sleeves and clean out to PBTD 14,192'.

9/12/18 RIH w/ESP, 195jts 2-7/8" J55 tbg, EOT @ 6511'. Hang on.

Carlsbad Field Office
Operator Copy

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

Electronic Submission #443227 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 (19PP0366SE)**

Name (Printed/Typed) ROBYN RUSSELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/08/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDZOTA STEVENS
Title PETROLEUM ENGINEER

Date 11/09/2018

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 MANAGEMENTHOBBS OCD
DEC 11 2018
RECEIVEDFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029406B

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		8. Lease Name and Well No. SHOVEL HEAD FEDERAL COM 28H	
Contact: ROBYN RUSSELL E-Mail: russell@concho.com			
3. Address 600 W. ILLINOIS AVE MIDLAND, TX 79701		9. API Well No. 30-025-44519	
3a. Phone No. (include area code) Ph: 432-685-4385			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 5 T17S R32E Mer NMP At surface SESE 360FSL 201FEL Sec 5 T17S R32E Mer NMP At top prod interval reported below SESE 360FSL 201FEL Sec 3 T17S R32E Mer NMP At total depth SESW 430FSL 2507FWL		10. Field and Pool, or Exploratory MALJAMAR; YESO, WEST	
		11. Sec., T., R., M., or Block and Survey or Area Sec 5 T17S R32E Mer NMP	
		12. County or Parish LEA	
		13. State NM	
14. Date Spudded 07/14/2018		15. Date T.D. Reached 07/26/2018	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/12/2018		17. Elevations (DF, KB, RT, GL)* 4090 GL	
18. Total Depth: MD TVD 14209 6299		19. Plug Back T.D.: MD TVD 14192	
20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN		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)	

23. Casing and Liner Record (Report all strings set in well)

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		1011		695		0	
12.250	9.625 J55	40.0		2283		695		0	
8.750	7.000 L80	29.0		5539					
8.750	5.500 L80	20.0		14198		1025		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6511							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINEBRY	6561	13838	6561 TO 13838			OPEN SLEEVES
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6561 TO 13838	ACIDIZE W/60,480 GALS 15% ACID, FRAC W/36,456 GALS TREATED WATER, 5,471,718 GALS SLICK WATER,

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/17/2018	09/21/2018	24	→	654.0	382.0	2528.0	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	
	SI	76.0	→	654	382	2528	584	POW	

28a. Production - Interval B

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

Documents pending BLM approvals will
subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #445437 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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
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Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	927		ANHYDRITE	RUSTLER	927
YATES	2250		DOLOMITE & SANDSTONE	YATES	2250
GRAYBURG	3661		DOLOMITE & SANDSTONE	GRAYBURG	3661
SAN ANDRES	3948		DOLOMITE & ANYDRITE	SAN ANDRES	3948
GLORIETA	5451		SANDSTONE & SILTSTONE	GLORIETA	5451
PADDOCK	5507		DOLOMITE	PADDOCK	5507

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 #445437 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Hobbs**

Name (please print) ROBYN RUSSELL Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 11/28/2018

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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