

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 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
		³ Reason for Filing Code/ Effective Date NW Effective 8/26/15
⁴ API Number 30 - 025 - 42514	⁵ Pool Name Maljamar; Yeso, West	⁶ Pool Code 44500
⁷ Property Code 314751	⁸ Property Name Ivar the Boneless Federal	⁹ Well Number 11H

II. ¹⁰ Surface Location

UL or lot no. D	Section 22	Township 17S	Range 32E	Lot Idn	Feet from the 75	North/South Line North	Feet from the 330	East/West line West	County Lea
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¹¹ Bottom Hole Location

UL or lot no. D	Section 15	Township 17S	Range 32E	Lot Idn	Feet from the 381	North/South line North	Feet from the 331	East/West line West	County Lea
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 8/26/15	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
278421	HollyFrontier Refining & Marketing LLC	O
221115	Frontier Field Services, LLC	G

IV. Well Completion Data

²¹ Spud Date 7/12/15	²² Ready Date 8/26/15	²³ TD 10,558MD 5742TVD	²⁴ PBTB 10,468	²⁵ Perforations 5970 -10,448	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	967	900sx		
12-1/4	9-5/8	2187	825sx		
8-3/4	7	5206	2100sx		
7-7/8	5-1/2	10,536			
	2-7/8 tbg	5282			

V. Well Test Data

³¹ Date New Oil 9/3/15	³² Gas Delivery Date 9/3/15	³³ Test Date 9/5/15	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 70	³⁶ Csg. Pressure 70
³⁷ Choke Size	³⁸ Oil 321	³⁹ Water 1685	⁴⁰ Gas 265		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:

Chasity Jackson

Title:

Regulatory Analyst

E-mail Address:

cjackson@concho.com

Date:

9/11/15

Phone:

432-686-3087

OIL CONSERVATION DIVISION

Approved by:

Title:

Petroleum Engineer

Approval Date:

Recomp _____ Add New Well _____

Cancl Well _____ Create Pool _____

E-PERMITTING -- New Well _____

Comp KE P&A _____ TA _____

CSNG _____ Loc Chng _____

ReComp _____ Add New Well _____

SEP 23 2015

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OGD

SEP 17 2015

FORM APPROVED
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 an
abandoned well. Use form 3160-3 (APD) for such proposals.*

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit or CA/Agreement, Name and/or No.
2. Name of Operator COG OPERATING LLC		8. Well Name and No. IVAR THE BONELESS FEDERAL 11H
Contact: CHASITY JACKSON E-Mail: cjackson@concho.com		9. API Well No. 30-025-42514
3a. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE. MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-686-3087	10. Field and Pool, or Exploratory MALJAMAR; YESO WEST
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T17S R32E Mer NMP NWNW 75FNL 330FWL		11. County or Parish, and State LEA COUNTY, NM

12. CHECK 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"/> Fracture Treat	<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 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 once testing has been completed. Final Abandonment Notices 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.)

7/27/15 Test 7 & 5-1/2 csg to 4500# for 15 min. Good.

7/28/15 Drill out cmt 20? new TD @ 10558.

7/31/15 Spotted 2000 gals acid. Set plug @ 10468. Test csg to 6080# for 30min.

8/15/15 Perf 14 stages @ 5970 - 10448 w/6 SPF, 504 holes.

Acidize 14 stages w/54,373 gals 15% HCL. Frac w/1,922,971 gals gel, 108,143 gals WaterFrac R9, 123,961 gals WaterFrac R3, 193,152 gals treated water, 4,171,778# 20/40 white sand, 660,479# 20/40 CRC.

8/24/15 Drill out plugs. Clean out to PBTD 10468.

8/26/15 RIH w/159jts 2-7/8" J55 6.5# tbg, EOT @ 5282. RIH w/ESP. Hang well on.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #316366 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs	
Name (Printed/Typed) CHASITY JACKSON	Title PREPARER
Signature (Electronic Submission)	Date 09/14/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
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 _____

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.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

HOBBS OCD
SEP 17 2015
RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. NMLC029509A					
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 _____						6. If Indian, Allottee or Tribe Name					
2. Name of Operator COG OPERATING LLC						8. Lease Name and Well No. IVAR THE BONELESS FEDERAL 11H					
3. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND, TX 79701						9. API Well No. 30-025-42514					
3a. Phone No. (include area code) Ph: 432-686-3087						10. Field and Pool, or Exploratory MALJAMAR; YESO, WEST					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 22 T17S R32E Mer NMP NWNW 75FNL 330FWL At top prod interval reported below Sec 22 T17S R32E Mer NMP NWNW 75FNL 330FWL At total depth Sec 15 T17S R32E Mer NMP NWNW 381FNL 331FWL						11. Sec., T., R., M., or Block and Survey or Area Sec 22 T17S R32E Mer NMP					
14. Date Spudded 07/12/2015						15. Date T.D. Reached 07/22/2015		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/26/2015		17. Elevations (DF, KB, RT, GL)* 4016 GL	
18. Total Depth: MD TVD		10558 5742		19. Plug Back T.D.: MD TVD		10468 10468		20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON CCL/HNGS						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 H40	54.5		967		900					
12.250	9.625 J55	40.0		2187		825					
8.750	7.000 L80	29.0		5206		2100					
7.875	5.500 L80	17.0	5206	10536							
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	5282										
25. Producing Intervals											
Formation	Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status				
A) YESO	5970	10448	5970 TO 10448		0.430	504	OPEN				
B)											
C)											
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.											
Depth Interval		Amount and Type of Material									
5970 TO 10448		ACIDIZE W/54,373 GALS ACID. FRAC W/1,922,971 GALS GEL, 108,143 GALS WF R9, 123,961 GALS WF R3,									
5970 TO 10448		FRAC W/193,152 GALS TREATED WATER, 4,171,778# 20/40 WHITE, 660,479# 20/40 CRC.									
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		
09/03/2015	09/05/2015	24	→	321.0	265.0	1685.0	39.3	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			
			→	321	265	1685	826	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 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 #316369 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

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
TANSILL	2037		LIMESTONE & DOLOMITE	TANSILL	2037
YATES	2143		SANDSTONE	YATES	2143
QUEEN	3108		SANDSTONE & DOLOMITE	QUEEN	3108
GRAYBURG	3496		SANDSTONE & DOLOMITE	GRAYBURG	3496
GLORIETA	5378		SANDSTONE	GLORIETA	5378
PADDOCK	5449			PADDOCK	5449

32. Additional remarks (include plugging procedure):
Log Mailed.

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 #316369 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 09/14/2015

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.

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
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 an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC029509A
2. Name of Operator COG OPERATING LLC Contact: CHASITY JACKSON E-Mail: cjackson@concho.com		6. If Indian, Allottee or Tribe Name
3a. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE. MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-686-3087	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T17S R32E Mer NMP NWNW 75FNL 330FWL		8. Well Name and No. IVAR THE BONELESS FEDERAL 11H
		9. API Well No. 30-025-42514
		10. Field and Pool, or Exploratory MALJAMAR; YESO, WEST
		11. County or Parish, and State LEA COUNTY, NM

12. CHECK 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"/> Fracture Treat	<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	Well Spud
	<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 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/BIA. 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 once testing has been completed. Final Abandonment Notices 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.)

7/12/15 Spud 17-1/2 @ 2AM. TD 17-1/2 @ 967. Ran 22jts 13-3/8 J55 54.5# @ 967. Cmt w/500sx C. lead, 400sx C. tail. PD @ 12:11AM. Circ 387sx. WOC 18hrs. Test csg to 1500# for 30min, ok.
 7/14/15 TD 12-1/4 @ 2187. Ran 52jts 9-5/8 J55 40# @ 2187. Cmt w/425sx C. lead, 400sx C. tail. PD @ 5:53PM. Circ 367sx. WOC 18hrs. Test csg to 1500# for 30 min, ok. Drill 8-3/4 hole.
 7/16/15 TD 8-3/4 vertical section, build curve KOP @ 5129.
 7/19/15 TD 8-3/4 curve @ 6019. Drill 7-7/8 lateral 6019 - 10,536.
 7/22/15 TD 7-7/8 @ 10,536MD 5656TVD.
 7/23/15 Ran 115jts 7" 29# L80 XO @ 5206, 120jts 5-1/2 17# L80 @ 10,536. Cmt w/700sx C. lead, 1400sx C. tail. Circ 308sx. WOC 24hrs.
 7/24/15 RR. Will test production csg upon completion.

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

**Electronic Submission #311797 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs**

Name (Printed/Typed) CHASITY JACKSON	Title PREPARER
Signature (Electronic Submission)	Date 08/06/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
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 _____		

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.

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

Additional data for EC transaction #311797 that would not fit on the form

32. Additional remarks, continued