

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.
NMNM025528

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
FEDERAL Z 29. API Well No.
30-015-32494-00-S210. Field and Pool or Exploratory Area
UNDESIGNATED11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLC3a. Address
600 W ILLINOIS AVENUE
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 505-327-4573

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

Sec 33 T17S R27E SWSE 660FSL 1830FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recompleate 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 recompleation 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.

THIS IS A REQUEST TO RECOMPLETE TO YESO.

GC 6-29-18
Accepted for record - NMOCD

MIRUSU. TOH w/rods, pump, & tbg. Set a 5-1/2" CIBP @ 6830' & top w/25 sx cmt (226'). PT CIBP & 5-1/2" csg to 3500 psi. Set a 5-1/2" CBP @ 4700' & PT to 3500 psi. Perf Tubb @ 4270'-4489' w/27 holes. Treat new perfs w/1500 gal 15% HCL acid & frac w/30,000# 100 mesh & 189,210# 40/70 sand in slick water.

Set 5-1/2" CBP @ 4100' & PT to 3500 psi. Perf Yeso @ 3676'-3951' w/30 holes. Treat new Yeso perfs w/1500 gal 15% HCL & frac w/30,000# 100 mesh & 245,280# 40/70 sand in slick water.

Set 5-1/2" CBP @ 3630' & PT to 3500 psi. Perf Yeso @ 3370'-3593' w/26" holes. Treat new Yeso perfs w/1500 gal 15% HCL & frac w/30,000# 100 mesh & 193,620# 40/70 sand in slick water.

Set 5-1/2" CBP @ 3300' & PT to 3500 psi. Perf Yeso @ 2940'-3241' w/29" holes. Treat new Yeso perfs w/1500 gal 15% HCL & frac w/30,000# 100 mesh & 272,580# 40/70 sand in slick water.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 29 2018

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

Electronic Submission #400378 verified by the BLM Well Information System

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by PRISCILLA PEREZ on 01/15/2018 (18PP0708SE)

RECEIVED

Name (Printed/Typed) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature (Electronic Submission)

Date 01/11/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ZOTA STEVENS

Title PETROLEUM ENGINEER

Date 06/26/2018

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 Carlsbad

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 **


Ruf. 7-5-18
7-12-18.

Additional data for EC transaction #400378 that would not fit on the form

32. Additional remarks, continued

MIRUSU. CO after frac, drill CBPs @ 3300', 3630', & 4100', & CO to CBP @ 4700'. Land ESP on 2-7/8" 6.5# L-80 tbg @ 2890'. Release completion rig. Complete the well as a single Yeso oil well. See the attached C-102 for the Yeso & the proposed WBD.

RWP 7-5-18

	County	EDDY	Well Name:	Federal Z #2	Field:	East Artesia Glorieta-Yeso	Well Sketch:	AFE R17017 LRR II-A, L.P.
	Surface Lat:	32.7852631	BH Lat:	32.7852631	Survey:	S33-T17S-R27E (NE/SE of O)	API #	30-015-32494
	Surface Long:	104.2809219	BH Long:	104.2809219		660' FSL & 1830' FEL	OGRID #	277558

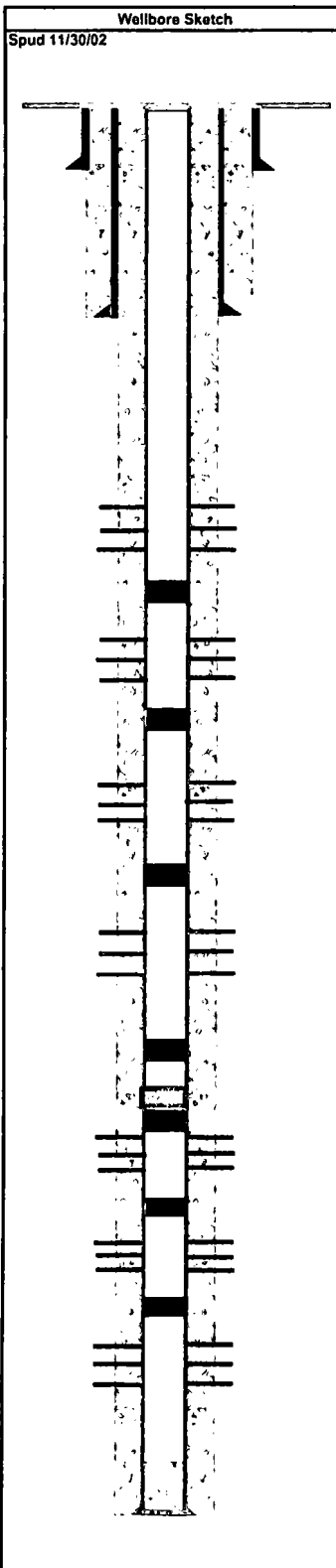
Directional Data:	
KOP	Vertical Well
Max Dev.:	
Dleg sev:	
Dev @ Perfs	
Ret to Vert:	

Drilling / Completion Fluid	
Drilling Fluid:	10.2 PPG Brine / Salt Gel
Drilling Fluid:	
Completion Fluid:	2% KCL
Completion Fluid:	
Packer Fluid:	NA

Tubular Data							
Tubulars	Size	Weight	Grade	Thread	TYE	MD	TOC
Surface	13 3/8"	48#	H40	STC	490'	490'	SURF
Intermediate	8 5/8"	32#	J-55	STC	2,600'	2,600'	SURF
Production	5 1/2"	17#	N-80	LTC	9,773'	9,773'	1080'
Liner							

CEMENT DATA							
	Lbs	Yd	Wt	7/dia	Yd	Wt	XS
Surface	185			530			10 sx
Intermediate	775			200			263 sx
Liner							
Production	575			965			0 SX

Wellhead Data	
Type:	
WP:	
Tree Cap	Flange:
	Thread:
Tbg Hanger:	
8TM Flange:	
BPV Profile:	NA
Elevations:	GL - RKB = 16'
RKB:	3529'
GL:	3513'



Completion Information						
DEPTHS (MD)	FORMATION TOPS / WELL INFO	PERFORATIONS		# of HOLES	DETAILS	
		from	to			
0						
490'	17 1/2" Hole				13 3/8" 48# H40 Surf Csg. Circ 10 sx Cmt to surf	
667'	Queen					
1,004'	Grayburg					
1,436'	San Andres					
2,600'	12.25" Hole				8-5/8" Intermediate Csg Circ 263 sx Cmt to surf	
2,780'	Glorieta					
2,892'	Yeso					
2 7/8" 6.5# L80 Seamless tbg w Desander, 10 Jts MA, and ESP at 2890'. New 1/4" cap string						
Start the ESP at 50 HZ						
	Yeso Stage #4	2,940'	3,241'	29	301'; 1500 g 15% HCL, 7414 bbls water	
	CBP at 3300'				30k # 100 Mesh, 272,580 # 40/70, 80-100 BPM	
	Yeso Stage #3	3,370'	3,593'	26	223'; 1500 g 15% HCL, 5914 bbls water	
	CBP at 3630'				30k # 100 Mesh, 193,620 # 40/70, 80-100 BPM	
	Yeso Stage #2	3,676'	3,951'	30	275'; 1500 g 15% HCL, 7014 bbls water	
	CBP at 4100'				30k # 100 Mesh, 245,280 # 40/70, 80-100 BPM	
	Tubb					
4,282'	Tubb Stage #1	4,270'	4,489'	27	219'; 1500 g 15% HCL, 5714 bbls water	
	CBP at 4700' Do Not Drill				30k # 100 Mesh, 189,210 # 40/70, 50-60 BPM	
	CIBP at 6830' & 25 sks cement on top				New PBTD, Do Not Drill	
	Wolfcamp	6,840'	6,935'	33	95'; 1300 g 15% HCL; 10,000 g 15% gelled acid	
	Completed 10/15/03					
	CIBP at 7600' & 35' cement					
	Wolfcamp	7,628'	7,657'	58	29'; 4000 g 15%	
	Completed 10/15/03					
	CIBP at 9500' & 35' cement					
	Morrow	9,532'	9,557'	72	25'; 260 bbls of 7% KCL water &	
	Completed 1/28/03				3 bbls 10% acetic acid	
					Float Collar	
9,773'	PROD CSG				5-1/2" Prod Csg. TOC 1080"	
Comments: Originally drilled as a Morrow well by Ricks Exploration, Inc.					Plug back Depth:	7600' MD
Chesapeake became operator in 2004 and completed Wolfcamp. Concho became operator in July 2012 and Lime Rock become operator in Nov 2017.					Total Well Depth:	9,790' MD
					Prepared By:	Date:
					Eric McClusky	10-Jan-18

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

Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to Recomplete the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be Recompleted. Failure to do so will result in enforcement action.

The rig used for the Recomplete procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any Recomplete operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat

Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

7. Subsequent Recomplete Reporting: Within 30 days after Recomplete work is completed, file one original and three copies of the Subsequent Report of Recomplete, Form 3160-5 to BLM. The report should give in detail the manner in which the recompletion was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well.

Show date well was recompleted.

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.