

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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.  
NMNM108973

6. If Indian, Allottee or Tribe Name

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

**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. HARRIER FEDERAL COM 305H
2. Name of Operator COG OPERATING LLC		9. API Well No. 30-025-45836-00-X1
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287		10. Field and Pool or Exploratory Area JENNINGS
3b. Phone No. (include area code) Ph: 575-748-6952		11. County or Parish, State LEA COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 2 T26S R32E SWSW 330FSL 720FWL 32.065914 N Lat, 103.651924 W Lon		

**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 Drilling Operations	
	<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 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 must 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 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.

**ANNULAR SQUEEZE CEMENTING OPERATION - PLEASE SEE ATTACHED PRESSURE TEST CHARTS**

3/1/20 Test lines to 4000 psi.(good). Open well 1350 psi - Establish rate @ 4 bpm 1400 psi ( pumped 30 bbls.) SD switch over to mix lead cement (550 sxs - @ 14.8 ppg, 1.33 yield - 6.37 gps) 130 bbls pumped, Mix on fly and pump @ 4 BPM - 1400 with pressure dropping to 700 psi once switching to tail cement (250 sxs. - 12.4 ppg. - 2.21 yield - 12.61 gps ) 98 bbls. @ 4 BPM - 320 psi , flush w/ 5 bbls FW. ISIP 0 Shut in well

3/5/20 R/U Fesco logging for SRBL w/ 2 centralizers - Stone Killtruck, Shadow Torq/Test, K/C Light Towers, lights & manlift. Test lub package & BOP's to 3000 psi - good test. Open well - pressure @ 1200 psi. Log from 6010' to surface @ 45 fpm. Tested intermediate casing to 1100 psi for 50 mins - held good test on chart, took 5 gals. to pressure up -- pressure already @

14. I hereby certify that the foregoing is true and correct.	
<b>Electronic Submission #506251 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 03/09/2020 (20PP1374SE)</b>	
Name (Printed/Typed) BOBBIE GOODLOE	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 03/09/2020

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	JONATHON SHEPARD Title PETROELUM ENGINEER	Date 03/12/2020
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 \*\***

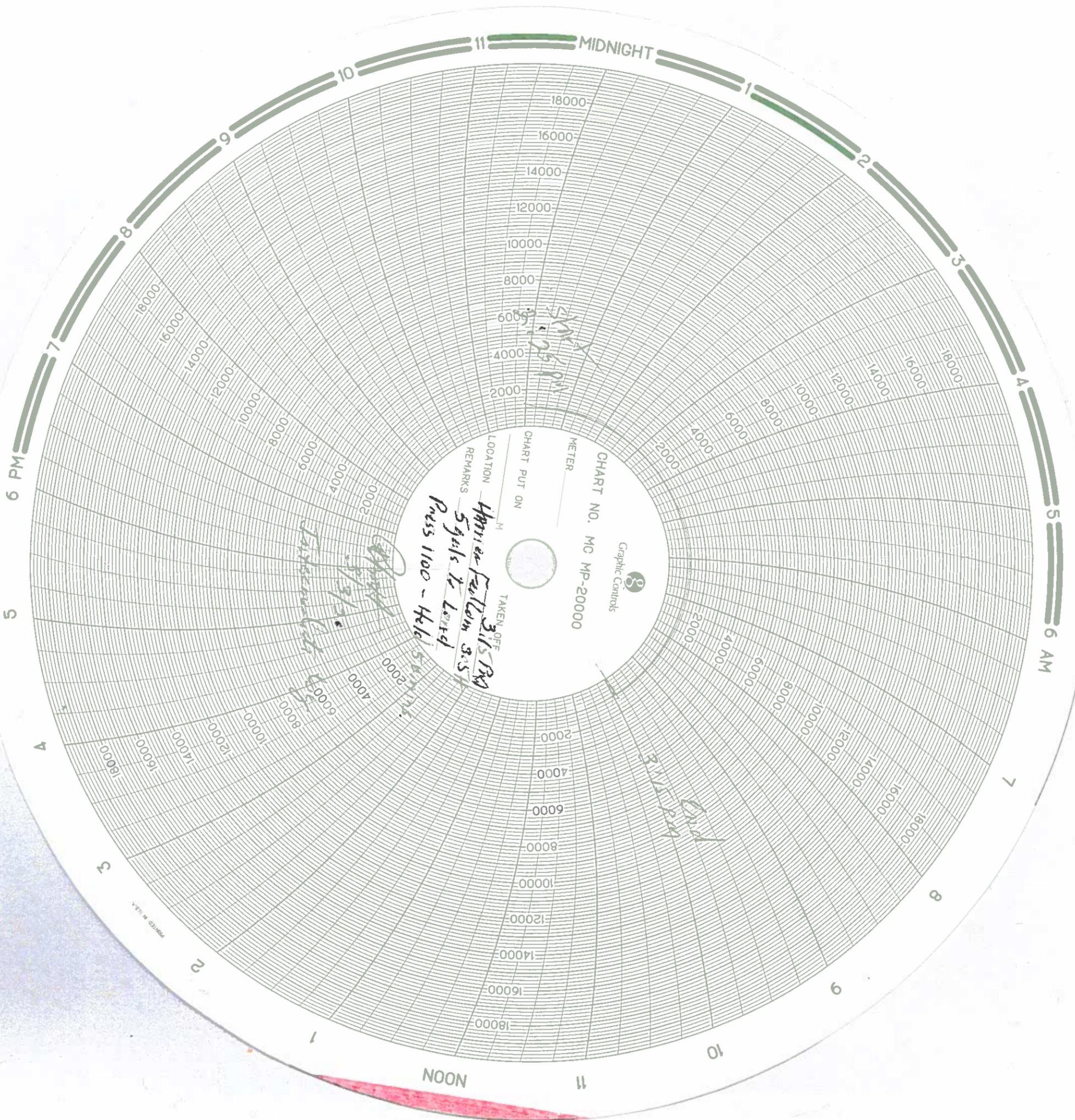
**Additional data for EC transaction #506251 that would not fit on the form**

**32. Additional remarks, continued**

1000 psi.

## Revisions to Operator-Submitted EC Data for Sundry Notice #506251

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	DRG SR	DRG SR
Lease:	NMNM108973	NMNM108973
Agreement:		
Operator:	COG OPERATING ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287 Ph: 575-748-6952	COG OPERATING LLC ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287 Ph: 432.685.4342
Admin Contact:	BOBBIE GOODLOE REGULATORY ANALYST E-Mail: bgoodloe@concho.com  Ph: 575-748-6952	BOBBIE GOODLOE REGULATORY ANALYST E-Mail: bgoodloe@concho.com  Ph: 575-748-6952
Tech Contact:	BOBBIE GOODLOE REGULATORY ANALYST E-Mail: bgoodloe@concho.com  Ph: 575-748-6952	BOBBIE GOODLOE REGULATORY ANALYST E-Mail: bgoodloe@concho.com  Ph: 575-748-6952
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	JENNINGS	JENNINGS
Well/Facility:	HARRIER FEDERAL COM 305H Sec 2 T26S R32E SWSW 330FSL 720FWL 32.065914 N Lat, 103.651924 W Lon	HARRIER FEDERAL COM 305H Sec 2 T26S R32E SWSW 330FSL 720FWL 32.065914 N Lat, 103.651924 W Lon



MIDNIGHT

11

NOON

6 PM

6 AM

18000  
16000  
14000  
12000  
10000  
8000  
6000  
4000  
2000

18000  
16000  
14000  
12000  
10000  
8000  
6000  
4000  
2000

Graphic Controls  
CHART NO. MC MP-20000  
METER  
CHART PUT ON  
TAKEN OFF

LOCATION  
REMARKS

3:15 PM  
Arrive Full Com 3:57  
Signals to Land  
Pass 1100 - Held 5 min

*[Handwritten signature]*  
5/2/54  
J. J. [unclear]

*[Handwritten signature]*  
End

PRINTED IN U.S.A.



# Daily Completion and Workover

Well Name: HARRIER FEDERAL COM #305H

Report # 10.0, Report Date: 3/4/2020

API/UWI 30-025-45836	Surface Legal Location SEC 2, T26S, R 32E	Field Name JENNINGS UPPER SHALE	County LEA	State NM	Well Configuration Type Horizontal
Original KB Elevation (ft) 3,278.60	KB-Tubing Head Distance (ft)	Spud Date 8/30/2019 18:00	Rig Release Date 9/24/2019 04:15	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 9,476.9

Job Category COMPLETION	Primary Job Type INITIAL COMPLETION	Start Date 1/18/2020	End Date
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Job Objective

Contractor	#/Crew	Rig Type	Rig Start Date	Rig Release Date
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AFE Number NDO18253CM	Total AFE + Supp Amount (Cost) 6,345,000.00	Daily Field Est Total (Cost) \$8,350	Cum Field Est To Date (Cost) \$180,023
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### Daily Readings

Report Start Date 3/3/2020	Report End Date 3/4/2020
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Past 24 Hours Operation Summary

Well Prep Ops

Operations at Report Time Well Prep Logging	Operations Next Report Period Well Prep Ops
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### Daily Contacts

Job Contact	Title	Mobile
QUINN CAPPS, WELLSITE SUPERVISOR	WELLSITE SUPERVISOR	(575)390-1875

### Time Log

Start Time	End Time	Dur (hr)	Activity Code	Activity	Com
06:00	07:30	1.50	SN	SHUTDOWN FOR NIGHT	No activity -
07:30	13:30	6.00	LO	LOGGING, EVALUATION, PERFORATING	R/U Fesco logging for SRBL w/ 2 centralizers - Stone Killtruck, Shadow Torq/Test, K/C Light Towers, lights & manlift. Test lub package & BOP's to 3000 psi - good test. Open well - pressure @ 1200 psi. Log from 6010' to surface @ 45 fpm. R/D Fesco and move to Harrier Fed Com 304 for identical logging.  Tested intermediate casing to 1100 psi for 50 mins - held good test on chart, took 5 gals. to pressure up -- pressure already @ 1000 psi.
13:30	06:00	16.50	SN	SHUTDOWN FOR NIGHT	Pending frac operations - well shut in w/1200 on production casing and 1100 on intermediate.

### Daily Pressures

Pressure Type CSG	Pressure (psi) 1,200.0	String Production, 19,850.0ftKB	Note SICP
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