

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
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 page 2.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM05470C
2. Name of Operator COG Operating LLC		6. If Indian, Allottee, or Tribe Name
3a. Address 2208 W. Main Street Artesia, NM 88210	3b. Phone No. (include area code) 575-748-6946	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 860' FSL & 1980' FEL, Unit O (SWSE) Sec 13-T19S-R31E		8. Well Name and No. Margaret 13 Federal #1
Lat. Long.		9. API Well No. 30-015-31730
		10. Field and Pool, or Exploratory Area Lusk; Strawn
		11. County or Parish, State Eddy NM

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

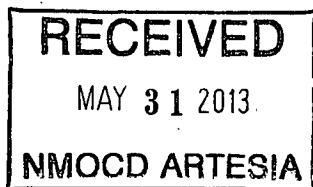
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering 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 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 or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the 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 recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Accepted for record
NMOC

ICF
5/31/2013

COG Operating LLC requests approval to recompleate to the Strawn. The procedure, current schematic & proposed schematic are attached.



SUBJECT TO LIKE
APPROVAL BY STATE

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed)

Stormi Davis	Title: Regulatory Analyst
Signature: <i>Stormi Davis</i>	Date: 5/7/13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by:	Title:
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:

APPROVED
MAY 24 2013
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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 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)

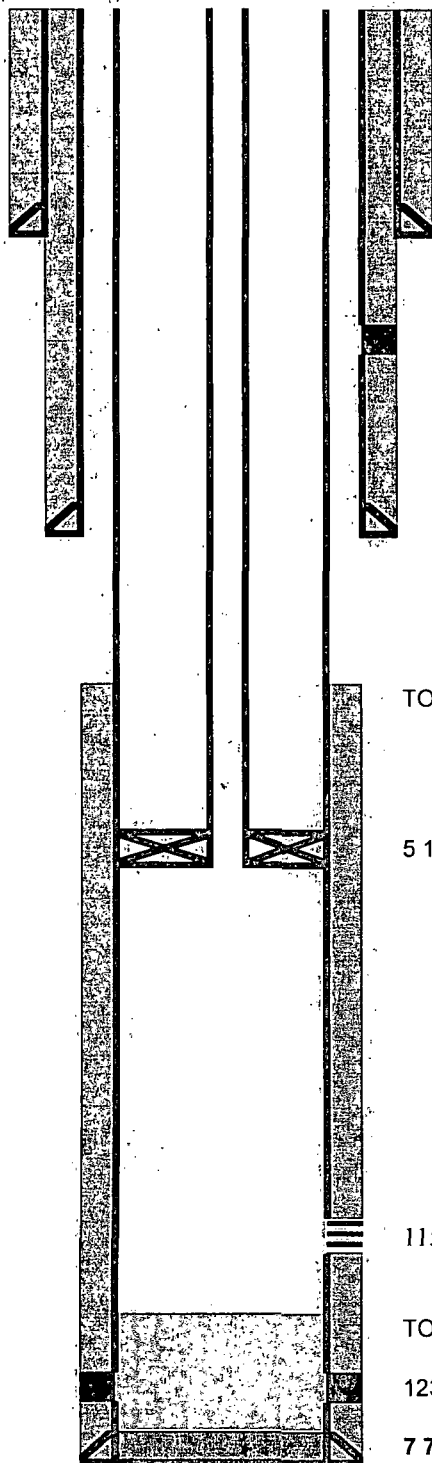
Margaret 13 Federal #1
30-015-31730

Procedure:

- 1) Ensure all permits and plug back procedure have been received
- 2) Test anchors if necessary
- 3) MIRU
- 4) Kill well if necessary.
- 5) Remove wellhead & install BOP.
- 6) Pull tubing and visually inspect. If necessary, utilize workstring
- 7) TIH open ended to 12510'
- 8) Spot Class H cement plug mixed at 16.4 lbs/gal from 12510 – 12200. (Note: Top of Morrow @ 12287')
- 9) Pull above plug & circulate hole clean
- 10) Perforate Strawn @ 11568-74, 11487-92, 11471-75, 11460-66, 11418-28, 11358-71, 11302-13 w/2 spf, 120° phasing utilizing Halliburton openhole log dated 5/1/02.
- 11) TIH w/tubing & packer. Packer to include on/off & profile nipple.
- 12) Spot acid across perms. Set packer at 11200'
- 13) Acidize zone with 8000 gallons 15% NE HCl at 3 – 5 BPM. Drop 100 balls throughout the job. Have 500 psi on backside during job.
- 14) Shut-in 1 hour & flow back
- 15) Swab well if necessary.
- 16) Set plug in packer.
- 17) Get off packer
- 18) Circulate packer fluid
- 19) Latch back onto on/off tool.
- 20) Pressure test the tubing
- 21) Tree up wellhead
- 22) Pull blanking plug
- 23) Place well on test

Author:	Stroup		
Well Name	Margaret 13 Fed	Well No.	#1
Field	Lusk	API #:	30-015-31730
County	Eddy	Prop #:	
State	New Mexico	Zone:	Strawn
Date	5/6/2013		
GL	3553'		
KB	3570'		

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	13 3/8	J55	48	710	700	Surface
Inter Csg	8 5/8	J55	32	4,500	1600	Surface
Prod Csg	5 1/2	P110	17	12,725	600	9200'
Liner						



PROPOSED

17-1/2" Hole

13-3/8" (J55 - 48#) @ 710' w/700 sx
TOC @ surface

DV Tool @ 2474' w/800sx
TOC @ Surface

2-3/8" L80 Tbg - 381 jts

12 1/4" hole

8-5/8" (J55 - 32#) @ 4500' w/1600 sx
TOC @ surface

TOC @ 9200' by CBL

5 1/2" 10K Packer @ 11200'

Strawn

11568-74, 11487-92, 11471-75, 11460-66, 11418-28, 11358-71, 11302-13

TOC @ 12200'

Morrow

12377-81, 12404-06, 12409-16, 12411-13, 12421-28, 12449-57

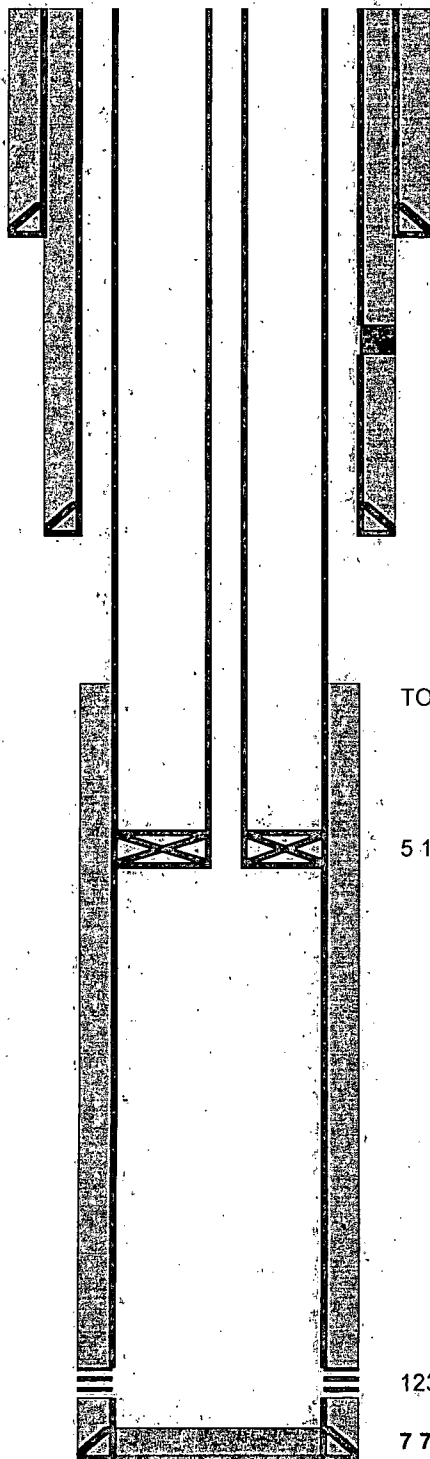
7 7/8" hole

5-1/2" (P110 - 17#) @ 12725' w/600 sx

TD @ 12725'

Author:	Stroup		
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County	Eddy	Prop #:	
State	New Mexico	Zone:	Morrow
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Prod Csg	5 1/2	P110	17	12,725	600	9200'
Liner						



CURRENT

17-1/2" Hole

13-3/8" (J55 - 48#) @ 710' w/700 sx
TOC @ surface

DV Tool @ 2474' w/800sx
TOC @ Surface

2-3/8" L80 Tbg - 381 jts

12 1/4" hole

8-5/8" (J55 - 32#) @ 4500' w/1600 sx
TOC @ surface

TOC @ 9200' by CBL

5 1/2" ASI 10K @ 12300' w/??? Profile

Morrow

12377-81, 12404-06, 12409-16, 12411-13, 12421-28, 12449-57

7 7/8" hole

5-1/2" (P110 - 17#) @ 12725' w/600 sx

TD @ 12725'

**Margaret 13 Federal 1
30-015-31730
COG Operating LLC
May 24, 2013
Conditions of Approval**

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

Work to be completed by August 24, 2013.

- 1. The operator shall place a balance neat class H cement plug from 12510'-12200', as proposed by operator, to seal off the Morrow formation. Tag required.**
- 2. Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.**
3. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
4. Surface disturbance beyond the originally approved pad must have prior approval.
5. Closed loop system required.
6. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
7. Operator to have H2S monitoring equipment on location.
8. A minimum of a 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

9. Subsequent sundry required detailing work done and completion report for the new formation. Operator to include new well plat and well bore schematic of current well condition when work is complete.

JAM 052413