

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

RECEIVED

MAY 14 2013

NM OOD ARTESIA

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. NMNM101079
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) 1650' FSL & 2550' FWL, Unit K (NESW) Sec 12-T21S-R24E		8. Well Name and No. Zarafa FF Federal #2
Lat. Long.		9. API Well No. 30-015-32976
10. Field and Pool, or Exploratory Area Deadman Draw; Bone Spring		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 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 checked="" type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

(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 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 recompleat 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.)

COG Operating LLC proposes to abandon the Morrow and recompleat to the Bone Spring as follows:

- 1) Test anchors if necessary. MIRU. Kill well. Install back pressure valve. Remove WH & install BOP.
- 2) Attempt to release from on/off tool. (If cannot release, punch hole in tbq & if necessary, cut off.)
- 3) Pull tbq & inspect. If necessary, utilize workstring.
- 4) Make bit & scraper run to top of pkr.
- 5) Set CIBP @ 9700' & cap w/35' cmt. Set any other required CIBP's.
- 6) Set CIBP @ 7300'.
- 7) TIH w/tbg & circ 2% KCl until clean.
- 8) Pressure test csg to 8000#.
- 9) Perf Bone Spring @ 7180' (12), 7132' (14), 7076' (10) & 7048' (10) w/6 spf, 60° phasing, utilizing Halliburton open hole log dated 9/16/03.
- 10) TIH w/tbg & pkr. Spot acid across perfs. Set pkr @ 7000'. Acdz w/3000 gal 15% HCl @ 3-5 BPM.
- 11) SI 1 hr & flow back. Pull tbq & pkr. Set frac valve & prepare for frac. Frac well. SI for 24 hrs. Flow back until dead.
- 12) TIH w/tbg & check for sand. TOH. TIH w/tbg & rods. Set pmpp unit w/gas engine if electrical power is not nearby.
- 13) Place well on test.

(Current and proposed schematics attached.)

Accepted for record
NM OOD LRD 5/15/2013

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

Name (Printed/ Typed)

Stormi Davis

Title: Regulatory Analyst

Date: 3/18/13

Signature: *Stormi Davis*

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by:

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.

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)

APPROVED

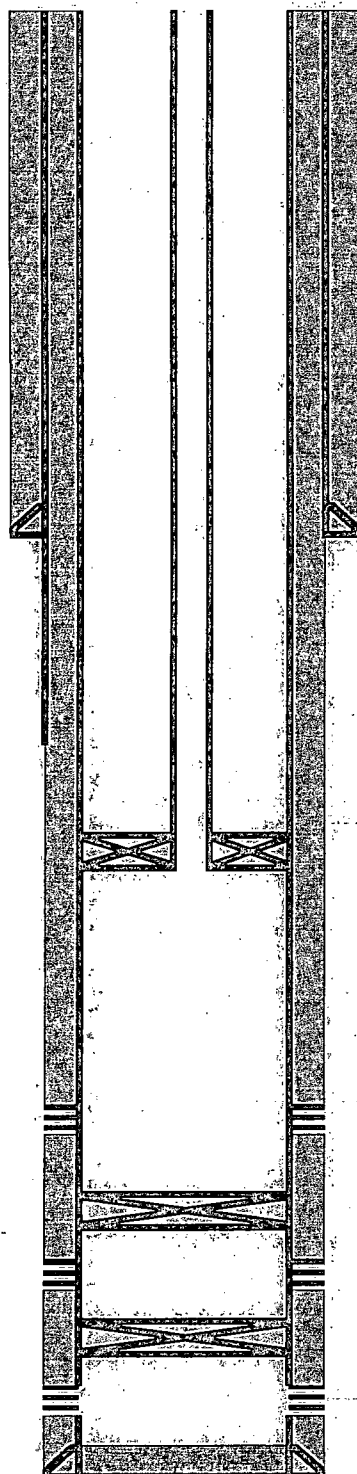
MAY 16 2013

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Submit C102

Author:	Stroup		
Well Name	Zarafa FF Fed	Well No.	#2
Field	Cemetary East	API #:	30-015-32976
County	Eddy	Prop #:	
State	New Mexico	Zone:	Morrow
Date	3/5/2013		
GL	3591'		
KB	3608'		

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	9 5/8	J55	36	1,535	750	Surface
Inter Csg						
Prod Csg	5 1/2	P110	17	10,335	1,720	Surface
Liner						



CURRENT

12 1/4" hole
9-5/8" (J55 - 36#) @ 1535' w/750 sx
TOC @ surface

2 3/8" tbg & 5 1/2" pkr @ 9779'

9877' - 9887' Morrow

CIBP @ 9930'

9955' - 10051' Morrow

CIBP @ 10125'

10146' - 10153' Morrow

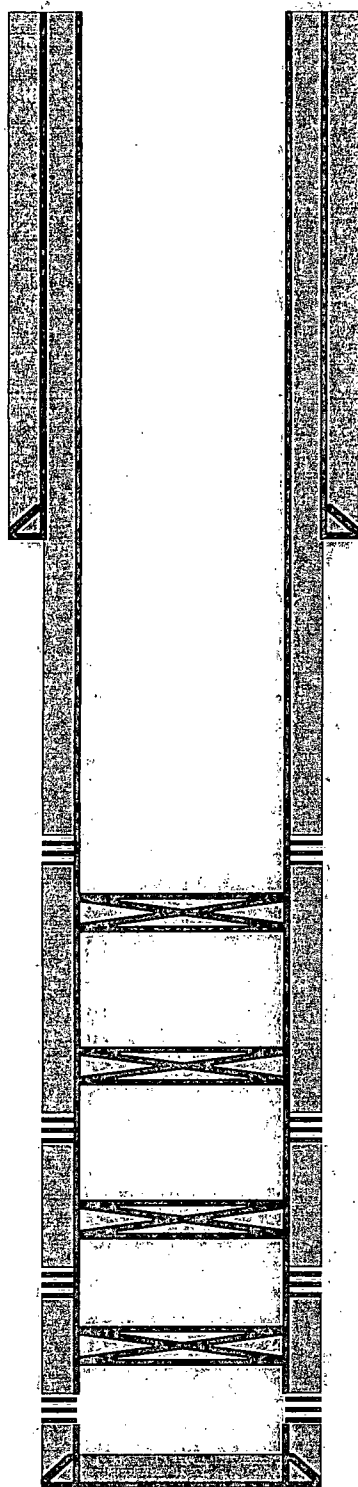
8 3/4" hole
5-1/2" (P110 - 17#) @ 10335' w/1720 sx
TOC @ Surface

TD @ 11900'

Author:	Stroup		
Well Name	Zarafa FF Fed	Well No.	#2
Field	Deadman Draw	API #:	30-015-32976
County	Eddy	Prop #:	
State	New Mexico	Zone:	Bone Spring
Date	3/18/2013		
GL	3591'		
KB	3608'		

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	9 5/8	J55	36	1,535	750	Surface
Inter Csg						
Prod Csg	5 1/2	P110	17	10,335	1,720	Surface
Liner						

PROPOSED



12 1/4" hole

9-5/8" (J55 - 36#) @ 1535' w/750 sx

TOC @ surface

7048' - 7180' Bone Spring

CIBP @ 7300'

CIBP @ 9700' + 35' cmt

9877' - 9887' Morrow

CIBP @ 9930'

9955' - 10051' Morrow

CIBP @ 10125'

10146' - 10153' Morrow

8 3/4" hole

5-1/2" (P110 - 17#) @ 10335' w/1720 sx

TOC @ Surface

TD @ 11900'

**Zarafa FF Federal 2
30-015-32976
COG Operating LLC
May 10, 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 10, 2013.

- 1. The operator shall place CIBP at 9800'. Place 200' of neat class H cement on top to seal off the Morrow Formation. Tag required.**
- 2. The operator shall place a balance neat class H cement plug from 7380'-7200' to seal off the Wolfcamp formation.**
- 3. Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing per Onshore Oil and Gas Order 2.III.B.1.h. Make arrangements 24 hours before the test for BLM to witness. E-mail Paul R. Swartz pswartz@blm.gov or phone 575-200-7902, if there is no response, 575-361-2822. If no answer, leave a voice mail or email with the API#, workover purpose, and a call back phone number. Note the contact, time, & date in your subsequent report.**
- 4. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.**
- 5. Surface disturbance beyond the originally approved pad must have prior approval.**
- 6. Closed loop system required.**
- 7. 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.**
- 8. Operator to have H2S monitoring equipment on location.**

9. 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.
- 10. 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 051013