

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

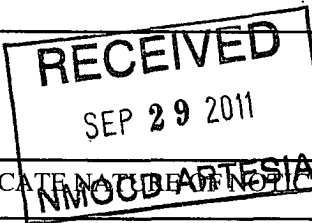
COO Artesia

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.

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. NMNM102912
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
3a. Address 2208 W MAIN ST ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 575-748-6958		8. Well Name and No. ALMOST HEROES 1 FEDERAL 4H
4. Location of Well (Footage, Sec, T., R., M., or Survey Description) Sec 1 T24S R29E SWSW 375 FSL 375FWL ULM		9. API Well No. 30-015-39212
		10. Field and Pool, or Exploratory WILDCAT; BONE SPRING
		11. County or Parish, and State EDDY COUNTY, NM



12. CHECK APPROPRIATE BOX(ES) TO INDICATE NOTIFICATION, 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"/> 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	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 recompleat 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.)

COG OPERATING, LLC, RESPECTFULLY REQUESTS TO MAKE THE FOLLOWING CHGS TO THE ORIGINAL APD:

Will not drill a pilot hole. See attached directional plan.

Drill 7-7/8" lateral to approx 12,530' MD / 8135' TVD to approved BHL of 330' FNL & 375' FWL. Run 5-1/2" 17# P110 LTC csg.

Cmt in 1 stg with:

Lead: 900 sx 35:65:6 H + Salt + Gilsonite + CF + CFR-3 @ 12.7 ppg/1.89 yield

Tail: 1150 sx 50:50:2 H + Salt + GasStop + CFR-3 @ 14.4/1.25 yield

Tie back cmt to 2700'

Approval Subject to General Requirements
& Special Stipulations Attached

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

Electronic Submission and 185 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad

Name (Printed/Typed) DEBORA WILBOURN

Title OPERATIONS ASSISTANT - NM

Signature (Electronic Submission)

Date 09/02/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Ed M Morgan

Title

PETROLEUM ENGINEER

Date

SEP 23 2011

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

BLM-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 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 **

Accepted For Record - NMDCD
10-3-2011

Almost Heroes 1 Federal 4H APD/Sundry Comparison

ITEM	APD	1 st SUNDRY (9/2/2011)	2 nd SUNDRY (9/13/2011)	NOTES
SECRETARY'S POTASH				
MEDIUM KARST				
ESTIMATED TOP BONE SPRINGS AT 7046' TVD; WOLFCAMP AT 10,500' TVD				
Field and Pool	WILDCAT; BONE SPRING	No Change	No Change	No Change
Intended Completion Formation	ESTIMATED TOP BONE SPRINGS AT 7046' TVD	No Change	No Change	No Change
SHL	375' FSL, 375' FWL	No Change	No Change	No Change
BHL	330' FNL, 375' FWL	No Change	No Change	No Change
Directional Plan	KOP at 7800' Azimuth 359° Build to 90° & Hold DHEP at 477' VS DHEP TVD = 8250'		KOP 7627' Azimuth 360° Build to 71° Hold Build to 90° DHEP at 732' VS DHEP TVD = 8255'	<i>Directional Plan changed (from "Build and Hold" to "Build, Hold, Build", with Shorter Drainhole).</i>
Pilot Hole	3200'-10675' (into Wolfcamp). Operator estimated BHP for Pilot Hole at 4665 psi.	Pilot Hole Deleted	No Change	<i>Pilot Hole Changed (deleted).</i>
Drainhole Entry Point and TD	7-7/8" Bit 8522'-12624' MD DH Length = 4102'	No Change ? -12530' MD	No Change 8854'-12701' MD DH Length = 3847'	<i>TD MD Changed (from 12624' MD to 12701' MD.)</i>
	8250' TVD	8135' TVD	8254' TVD	No Change
	1 st BSS	No Change	No Change	No Change
5-1/2" Production Casing	0' - 12625' 5-1/2" 17# P-110 LTC TOC 500' Above 9-5/8" Shoe at 3200'DV 2Stage -Tool at 7600' Collapse DF = 1.125 Burst DF = 1.125 Tension DF = 1.6	0' - 12530' No Change Slurries Changed (GasStop Additive) No Other Changes	5-1/2" Casing Point changed to 12701' MD 8255' TVD.	<i>TD (5-1/2" Casing Point) Changed.</i> Single stage cement job <i>5-1/2" Slurries Changed.</i>
BOPE	2M (Hydril) on 13-3/8" Surface Casing BS SBHP at 3600 psi.	No Change	No Change	No Change
	3M System on 9-5/8" Intermediate Casing	No Change	No Change	No Change

P. L. F. 9/23/11

**Almost Heroes 1 Federal 4H
COG Operating LLC
30-015-39292
Sep 24, 2011
Conditions of Approval**

Summary of Current Status:

- Well Spud Aug 30, 2011
- Secretary's Potash Well

Requests of Sundry dated 9/02/2011:

ORIGINAL PLAN

Pilot hole to 10675' in Wolfcamp

KOP at 7800'. Build to 90° at 8250' TVD
TD at 11624'.

2 stage cement job on 5-1/2" casing to TD

REVISED PLAN

Delete Pilot Hole

(No Drilling planned below Bone Springs)

KOP at 7627'. Build to 90° at 8255' TVD
TD at 12701'. BHL not changed.

Single Stage cement job on 5-1/2" casing to TD

Conditions of Approval:

The previous COA dated 8/3/2011 shall remain applicable, with the following inclusions.

1. Due to recent H2S encounters in the salt formation, it is recommended that monitoring equipment be onsite for potential Hydrogen Sulfide prior to drilling out the surface shoe. If Hydrogen Sulfide is encountered, please report measurements and formations to the BLM.
2. **Wait on cement (WOC) time prior to drilling out for a primary cement job will be a minimum 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string.**
3. TOC for 5-1/2" casing will be 500' above 9-5/8" shoe as described in Original APD. Operator is responsible to confirm TOC. If Top of Cement does not reach the required minimum depth (at least 200' above the shoe), call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822. Operator is responsible to have a remedial cementing plan if one is needed. **Should the Operator decide to revert to the 2 stage cement job, then a sundry must be provided in advance for approval.**
4. BOPE remains as originally approved.

TMM 09/23/2011