

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 20 2013

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.

CONCHO ARTESIA

Lease Serial No.
NMNM113935

If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit or CA/Agreement, Name and/or No.
2. Name of Operator COG OPERATING LLC Contact: BRIAN MAIORINO E-Mail: bmaiorino@concho.com		8. Well Name and No. HACKBERRY 33 FEDERAL COM 1
3a. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-221-0467	9. API Well No. 30-015-34937
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T21S R26E SWNW 2280FNL 360FWL		10. Field and Pool, or Exploratory HAPPY VALLEY;STRAWN
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK 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"/> 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 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 recompleation 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 respectfully request to abandon the Morrow and complete the Strawn in the Hackberry 33 Federal #1

Test anchors if necessary

MIRU

Kill well if necessary.

Remove wellhead & install BOP.

Pull tubing and visually inspect. If necessary, utilize workstring

TIH open ended to 11100?

Spot Class H cement plug mixed at 16.4 lbs/gal from 11100 ? 10750. (Note: Top of Morrow @ 10835?)

Pull above plug & circulate hole clean

Perforate Strawn @ 9961-68, 9905-10, 9859-63 & 9830-35 w/4 spf, 120o phasing utilizing Halliburton

U20code 9/24/2013
Accepted for record
NMOC

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

**SUBJECT TO LIKE
APPROVAL BY STATE**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #213224 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 07/12/2013 ()	
Name (Printed/Typed) BRIAN MAIORINO	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 07/11/2013
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

SEP 19 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 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 ****

OK [Signature] 8/16/13

Additional data for EC transaction #213224 that would not fit on the form

32. Additional remarks, continued

openhole log dated 8/8/06.

TIH w/tubing & packer. Packer to include on/off & profile nipple.

Spot acid across perms. Set packer at 9770?

Acidize zone with 4000 gallons 15% NE HCl at 3 ? 5 BPM. Drop 50 balls throughout the job. Have 500 psi on backside during job.

Shut-in 1 hour & flow back

Swab well if necessary.

Set plug in packer.

Get off packer

Circulate packer fluid

Latch back onto on/off tool.

Pressure test the tubing

Tree up wellhead

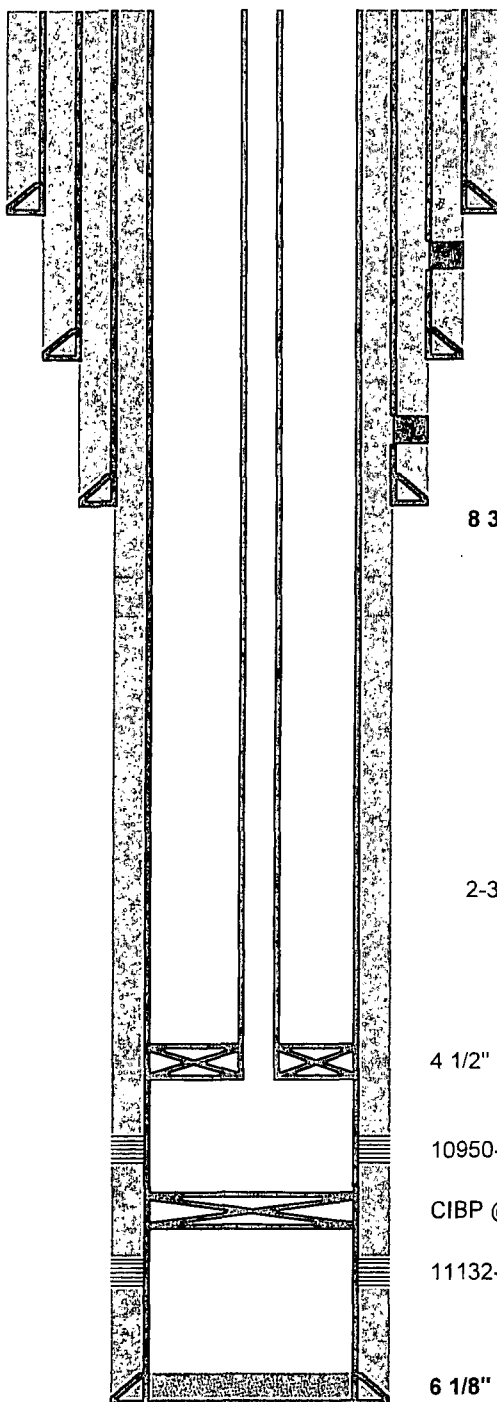
Pull blanking plug

Place well on test

*Please see attached current and proposed wellbore diagrams

Author:	Stroup		
Well Name	Hackberry 33 Fed	Well No.	#1
Field	Happy Valley	API #:	30-015-34937
County	Eddy	Prop #:	
State	New Mexico	Zone:	Morrow
Date	7/9/2013		
GL	3249'		
KB	3266'		

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	20	J55	94	300	750	Surface
Inter Csg	9 5/8	J55	36	1,773	1400	Surface
Prod Csg	7	P110 & L80	23	8,437	1,100	Surface
Liner	4 1/2	P110	11.6	11,470	260	Surface



Current Wellbore

26" Hole
20" (J55 - 94#) @ 300' w/750 sx
TOC @ surface

DV Tool @ ??? w/650 sx

12 1/4" Hole
9 5/8" (J55 - 36#) @ 1773' w/750 sx
TOC @ surface

DV Tool @ ??? w/600 sx

8 3/4" hole
7" (P110 & L80 - 23#) @ 8437' w/500 sx
TOC @ surface

2-3/8" L80 Tbg - 342 jts

3

4 1/2" Packer @ 10975' w/1.81" Profile
On/Off Tool w/1.875" Profile

10950-54, 10995-11003, 11037-40
Upper Morrow

CIBP @ 11110 w/30' cmt

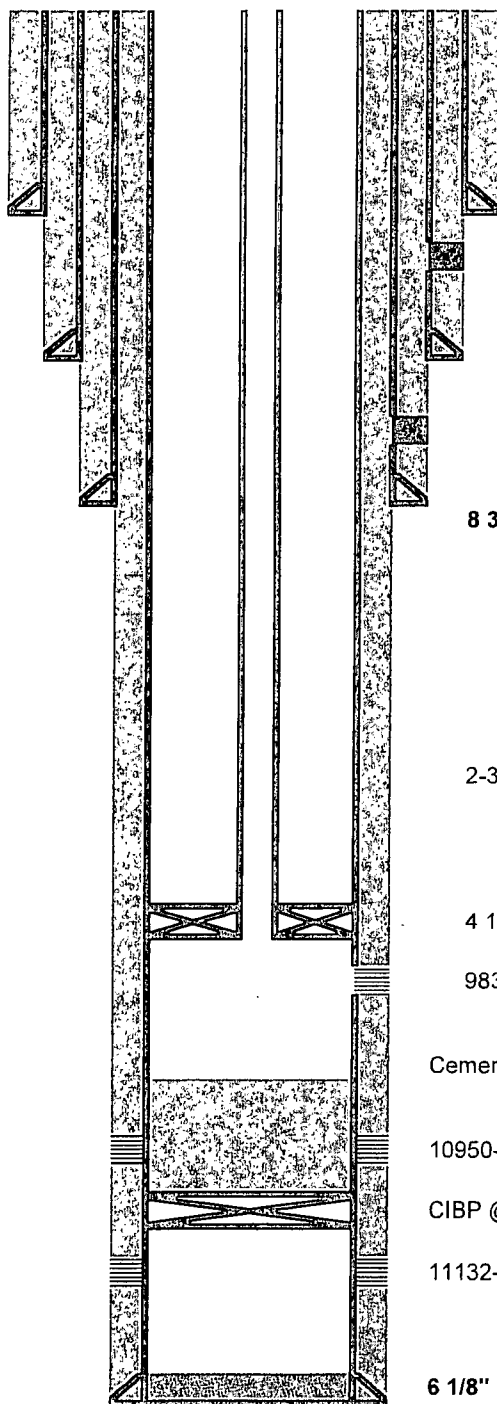
11132-36, 11166-69, 11188-92
Lower Morrow

6 1/8" hole
4-1/2" (P110 - 11.6#) @ 12178' w/260 sx

Top Morrow 10,835'

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Liner	4 1/2	P110	11.6	11,470	260	Surface



Proposed Wellbore

26" Hole

20" (J55 - 94#) @ 300' w/750 sx
TOC @ surface

DV Tool @ ??? w/650 sx

12 1/4" Hole

9 5/8" (J55 - 36#) @ 1773' w/750 sx
TOC @ surface

DV Tool @ ??? w/600 sx

8 3/4" hole

7" (P110 & L80 - 23#) @ 8437' w/500 sx
TOC @ surface

2-3/8" L80 Tbg

4 1/2" Packer @ 9770'

9830-35, 9859-63, 9905-10, 9961-68
Strawn

Cement Top @ 10750'

10950-54, 10995-11003, 11037-40
Upper Morrow

CIBP @ 11110 w/30' cmt

11132-36, 11166-69, 11188-92
Lower Morrow

6 1/8" hole

4-1/2" (P110 - 11.6#) @ 12178' w/260 sx

**Hackberry 33 Federal Com 1
30-015-34937
COG Operating LLC
September 19, 2013
Conditions of Approval**

Work to be completed by December 19 2013.

- 1. Operator shall tag CIBP at approximately 11,080'. Tag CIBP/PBTD and record.**
- 2. Operator shall cement as proposed. Tag at 10,750' or shallower. Must be witnessed by BLM.**
- 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 to max treating pressure. Notify BLM if test fails.**
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.**

11. See attached for general requirements.

JAM 091913

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

General Requirements for Plug Backs

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 this approval.

If you are unable to plug back 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 plugged back. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822.

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.

Before pumping 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.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work 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 work was completed.**

7. **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.