

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 13 2017

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED

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
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Pecos River Operating, Inc.

3a. Address
PO Box 1433, Roswell, NM 88202-1433

3b. Phone No. (include area code)
5756221001

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660FSL1980FWL, Section 9, T7S, R26E

5. Lease Serial No.
NM 38342

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Helen Collins Federal #3

9. API Well No.
30-005-62072

10. Field and Pool, or Exploratory Area
Pecos Slope Abo

11. County or Parish, State
Chaves, 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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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 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 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.)

See COAS
Set a CIBP @ 4008' & dump 40sx of CMT on top to cover the perforated interval. The hole will then be loaded with 9# fluid pursuant to BLM Regulations. WOC&Tag. 1792. *see COA*
Set a CIBP @ 1692' & dump 40sx of CMT on top to cover the top of the Glorietta Formation @ 1692'. WOC&TAG
Perf & Sqz holes @ 750' & attempt to get Circ. If not Circ, perf & Sqz holes @ 700' & attempt to get Circ around 5-1/2" after determining Circ or not, Perf Sqz holes @ 60'.
Depending on outcome of previous step;
If no Circulation @ 700'-750' fill casing from 815' to surface inside & out of annulus
If Circulation was obtained at 700'-750', pump a 50sx plug @ 815'. WOC&TAG, If TAG is below 715'. repump & re-tag plug.
After plugging is complete, a dry hole marker will be installed and the location cleared & leveled.

See COAS, as changes have been made to meet regulations.

Accepted for record

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Name (Printed/Typed)

Leslie Olivarez

Title P&A Specialist

Signature

Date

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

Office

OCT 16 2017

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.

(Instructions on page 2)

Pecos River Operating, Inc.

WELL BORE DIAGRAM

PROPOSED PLUG PROGRAM

Squeeze holes @ 60'

Either a Solid plug from 815 to Surface
OR

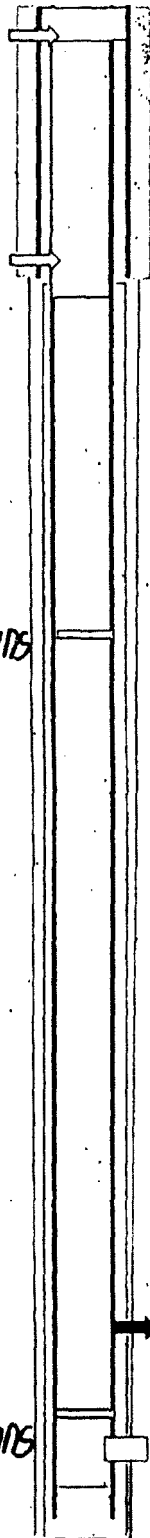
A plug from 815 tagged higher than 715'
and a plug from 60 to surface, inside and
out of 5 1/2".

Squeeze holes @ 765 and poss 700

If circulation through these holes is
not possible, it must be assumed that
there is cement behind the 5 1/2"

CIBP @ 1692' w/ 34 cmt

CIBP @ 4080 w/ 33 cmt



Helen Collins Fed #3

Formation Tops

San Andres 595'

R 5/8" 24# J-55 @ 765'; 200 sx; Circulated

TOC by temp survey in 1982 @ 770'

Note, the second stage of the cement job pumped 1328 ft³ of cement, the annulus calculates to hold 644 ft³.
It is assumed that cement filled the entire annulus

Glorietta

1692

DV Tool @ 3718, second stage 970 sx

Perforations 4132 to 4156

PBTD

5 1/2 17 5/8 J-55 @ 4300, 1st stage 100 sx

Abo

4298

**Helen Collins Federal 3
30-005-62072
Pecos River Operating, Inc.
October 10, 2017
Conditions of Approval**

Work to be completed by January 10, 2018.

- 1. Operator shall place CIBP at 4,032' (50-100' above top most perf) and place Class C cement on top as proposed. WOC and tag a minimum of 3660' to seal the top of the Abo and the DV tool.**
- 2. Operator shall set a CIBP at 1,792' and place Class C cement as proposed on top to seal the Glorieta formation. WOC and tag.**
- 3. Perf and squeeze as proposed.**
- 4. Operator shall set a balanced Class C cement plug from 815'-surface to seal the shoe and salt formation. WOC and tag.**
- 5. See Attached for general plugging stipulations.**

JAM 101017

BUREAU OF LAND MANAGEMENT
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201
(575) 627-0272

Permanent Abandonment of Production Zone Conditions of Approval

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 BLM Roswell Field Office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, during office hours or after office hours call (575) 627-0205. Engineer on call during office hours phone (575) 627-0275 or phone (after hours) call (575) 626-5749.**

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. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth.**

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.