



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD 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. NMNM17224
2. Name of Operator CHESAPEAKE OPERATING, INC. Contact: LINDA GOOD E-Mail: linda.good@chk.com	6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 18496 OKLAHOMA CITY, OK 73154-0496	7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 405-935-4275	8. Well Name and No. QUEEN LAKE 19 FEDERAL 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T24S R29E NWNE 1950FNL 1980FEL	9. API Well No. 30-015-24292
	10. Field and Pool, or Exploratory PIERCE CROSSING
	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 recomplete 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 recompletion 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.)

CHESAPEAKE, RESPECTFULLY, REQUESTS, PERMISSION TO RECOMPLETE THIS WELL PER THE FOLLOWING PROCEDURE.

- MIRU PU. NU BOP.
- RIH w/2 7/8" tbg to 10,800'. Establish circulation and place 200' cement plug from 10,800 to 10,600'.
- Pull tbg up to 9,000'. Place 200' cement plug from 9,000' to 8,800'.
- Pull tbg up to 7,700'. Place 250' cement plug from 7,700' to 7,450'.
- Pull tbg up to 6,600'. Place 200' cement plug from 6,600' to 6,400'.

**RECEIVED**  
OCT 07 2010  
NMOCD ARTESIA

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

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

**Electronic Submission #91561 verified by the BLM Well Information System  
For CHESAPEAKE OPERATING, INC., sent to the Carlsbad**

Name (Printed/Typed) LINDA GOOD	Title SR. REGULATORY COMPLIANCE SPEC
Signature (Electronic Submission)	Date 08/20/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By	Title	Date
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**  
OCT 5 2010  
/s/ Dustin Winkler

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

## Additional data for EC transaction #91561 that would not fit on the form

### 32. Additional remarks, continued

6. Pull tbg up to 5,000'. Place 200' cement plug from 5,000' to 4,800'.
7. POH w/tbg.
8. Rig up wireline co. Perforate 4 squeeze holes at 4,700'.
9. RIH w/packer to 4,600'. Set packer and establish circulation back to surface between 7" and 9 5/8" casing. POH w/packer.
10. RIH w/cement retainer and set at 4,600'. Pump 350 sxs Class C cement to bring cement up into 9 5/8" casing. Sting out of retainer, reverse circulate clean, POH w/tubing.
11. Run CBL log from 4,600' back to 2,000' to determine TOC.
12. Perforate Ramsey Sand from 2788-2802' (14') and 2808-21' (13') with 2 spf.
13. RIH w/packer on 2 7/8" tbg to 2825'. Spot acid across perfs and pull packer back up to 2650'. Set packer and acidize Ramsey Sand perfs with 3,000 gal 15% NEFE acid dropping 81 perf balls evenly throughout job. SI 1 hour. Swab back acid and test.
14. If warranted, frac Ramsey sand down tubing per frac recommendation (anticipate 30,000# in x-linked fluid at 30 BPM). Swab back and test. Release packer and drop down below perfs to make sure perfs are clear. POH w/packer.
15. RIH w/2 7/8" production tubing w/TAC and SN. Set SN @ 2,750' just above perfs and TAC at 2600'. RIH w/rods and pump.
16. ND BOP. NU WH. Rig down.

(CHK PN 891238)

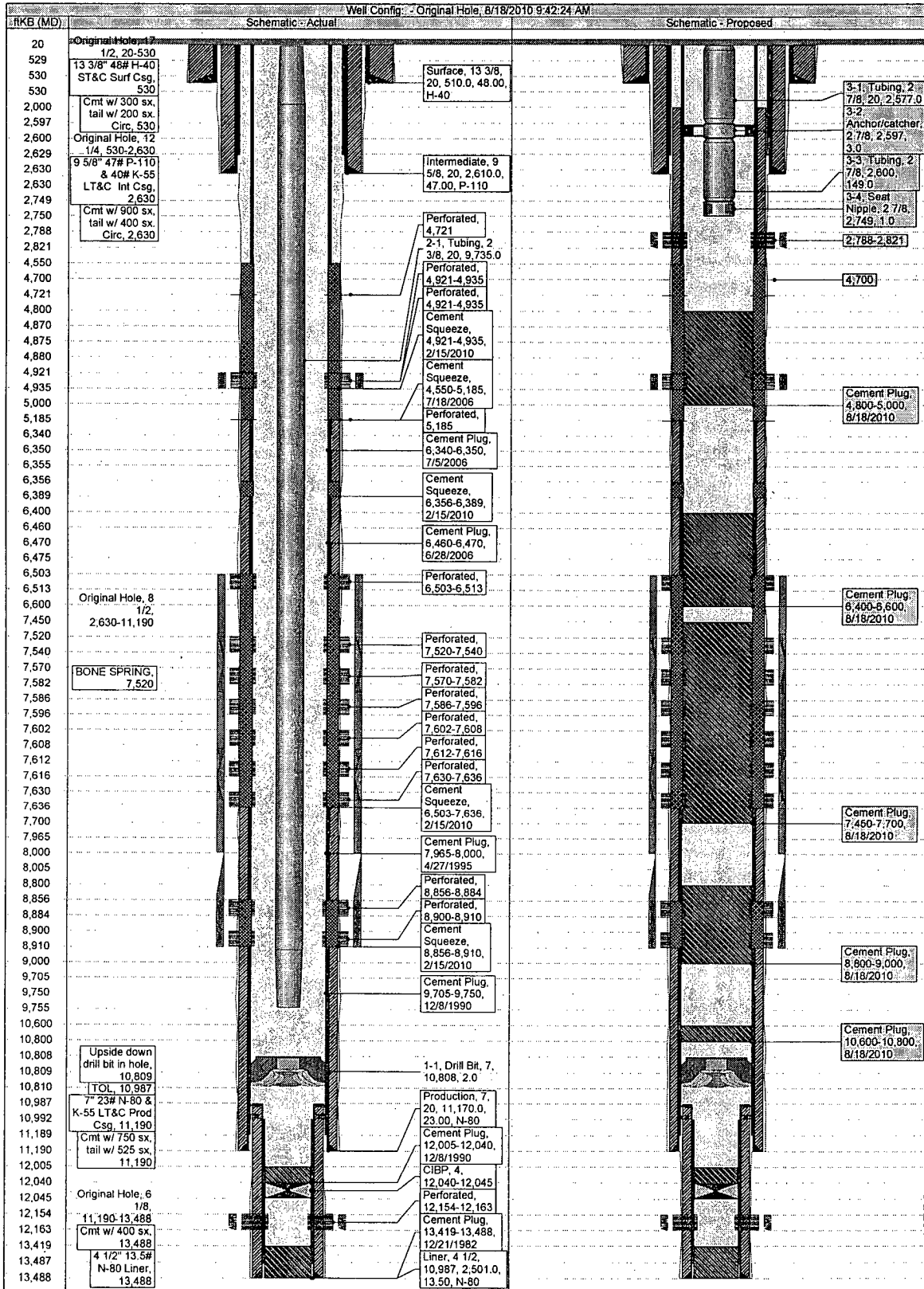


# Proposal for Workover

## QUEEN LAKE 19 FED 1

Field: Pierce Crossing  
 County: EDDY  
 State: NEW MEXICO  
 Location: SEC 19, 24S-29E, 1950 FNL & 1980 FEL  
 Elevation: GL 2,956.00 KB 2,976.00  
 KB Height: 20.00

Spud Date: 10/20/1982  
 Initial Compl. Date:  
 API #: 3001524292  
 CHK Property #: 891238  
 1st Prod Date: 12/1/2004  
 PBTD: Original Hole - 10809.0  
 TD: 13,488.0



**Queen Lake 19 Federal 1  
Eddy County, New Mexico  
Ramsey Sand (Delaware) Recompletion Procedure**

**Date:** August 9, 2010

**Location:** 1950' FNL & 1980' FEL Sec. 19-T24S-R29E

**Casing:** 7" 23# S-95 0-11,190' ID - 6.366", Drift - 6.241", Burst - 7,530 psi

**Liner:** 4 1/2" 13.5# N-80 10,987-13,488' ID - 3.92", Drift - 3.795", Burst - 9,020 psi  
(Note: Seal Assembly on top of liner)

**PBTD/TD:** 10,809' (Upside Down Bit)/13,488'

**Current Perfs:** Delaware 4,921-4,935' (Squeezed)  
Bone Spring 6,503-8,910' (Squeezed)  
Atoka 12,154-63' (below CIBP)

**Proposed Perfs:** Ramsey Sand (Delaware) 2788-2802', 2808-21'

**Recommended Procedure:**

1. MIRU PU. NU BOP.
2. RIH w/ 2 7/8" tbg to 10,800'. Establish circulation and place 200' cement plug from 10,800 to 10,600'.
3. Pull tbg up to 9,000'. Place 200' cement plug from 9,000' to 8,800'.
4. Pull tbg up to 7,700'. Place 250' cement plug from 7,700' to 7,450'.
5. Pull tbg up to 6,600'. Place 200' cement plug from 6,600' to 6,400'.
6. Pull tbg up to 5,000'. Place 200' cement plug from 5,000' to 4,800'.
7. POH w/ tbg.
8. Rig up wireline co. Perforate 4 squeeze holes at 4,700'.
9. RIH w/ packer to 4,600'. Set packer and establish circulation back to surface between 7" and 9 5/8" casing. POH w/ packer.
10. RIH w/ cement retainer and set at 4,600'. Pump 350 sxs Class C cement to bring cement up into 9 5/8" casing. Sting out of retainer, reverse circulate clean, POH w/ tubing.
11. Run CBL log from 4,600' back to 2,000' to determine TOC.
12. Perforate Ramsey Sand from 2788-2802' (14') and 2808-21' (13') with 2 spf.
13. RIH w/ packer on 2 7/8" tbg to 2825'. Spot acid across perfs and pull packer back up to 2650'. Set packer and acidize Ramsey Sand perfs with 3,000 gal 15% NEFE acid dropping 81 perf balls evenly throughout job. SI 1 hour. Swab back acid and test.
14. If warranted, frac Ramsey sand down tubing per frac recommendation (anticipate 30,000# in x-linked fluid at 30 BPM). Swab back and test. Release packer and drop down below perfs to make sure perfs are clear. POH w/ packer.
15. RIH w/ 2 7/8" production tubing w/ TAC and SN. Set SN @ 2,750' just above perfs and TAC at 2600'. RIH w/ rods and pump.
16. ND BOP. NU WH. Rig down.

Chesapeake Operating, Inc.  
NM-17224: Queen Lake 19 Federal #1  
API: 30-015-24292  
Eddy County, New Mexico

RE: Plug-Back – Conditions of Approval

There is to be no surface disturbance beyond the originally approved pad. A closed loop system is to be used. H2S monitoring and protection equipment is to be on site.

3M BOP is to be used for this well. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

1. OK (Cover Drill Bit – Spacer)
2. Minimum 210' (approx 45sx of Class H) – Otherwise OK (Perfs)
- 2a. Spot a cement plug (Class H, approx 45sx), from 9725'-9525'. (Wolfcamp)
3. Cement to be Class H (approx 45sx). WOC and tag at 8800' or shallower – Otherwise OK (Perfs)
4. Cement to be Class H (approx 55sx). WOC and tag at 7450' or shallower – Otherwise OK (Perfs)
5. Cement to be Class C (approx 35sx). WOC and tag at 6400' or shallower – Otherwise OK (Perfs – Bone Spring)
6. Cement to be Class C (approx 35sx). WOC and tag at 4800' or shallower – Otherwise OK (Perfs)
- 7-16. OK

Submit subsequent report and completion report once work is completed.

DHW 092110