

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

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
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **CHESAPEAKE OPERATING, INC** **ATTN: LINDA GOOD**

3a. Address **P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496**
3b. Phone No. (include area code) **405-767-4275**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1950 FNL 1980 FEL, SEC 19-24S-29E

RECEIVED

MAY 25 2006

5. Lease Serial No.

NMNM 17224

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

QUEEN LAKE 19 FEDERAL 1

9. API Well No.

30-015-24292

10. Field and Pool, or Exploratory Area

PIERCE CROSSING

11. County or Parish, 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 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	

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 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.)

Chesapeake, respectfully, request permission to perforate, acidize and frac this well, per the attached procedure.

BLM Nationwide Bond #NM2634.

(CHK PN 891238)

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

LINDA GOOD

Title **PERMITTING AGENT**

Signature

Linda Good

Date

05/17/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

ORIG. SGD.) DAVID R. GLENN

PERMITTING ENGINEER

Date

MAY 23 2006

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

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)

**Queen Lake 19 Federal 1
Plug Back to Cherry Canyon
Eddy County, New Mexico**

May 17, 2006

GENERAL INFORMATION

Location: 1950' FNL & 1980' FEL, Sec 19 – T24S – R29E

API No.: 30-015-24292

WELL INFORMATION

<u>String OD</u>	<u>Weight & Grade</u>	<u>Depth</u>	<u>ID</u>	<u>Drift</u>	<u>Burst</u>	<u>TOC</u>
13-3/8"	48# H40 STC	0' – 530'	12.715"	12.559"	1730	0'
9-5/8"	47/40# P110 LTC	0' - 2630'	8.681"	8.525"	3950	1000'
7"	23# S95 LTC	0' - 11190'	6.366"	6.241"	7530	6480'

Perforations: 7520 – 7636' (OA), 6503 – 13'

TD/PBTD: 13500'/7965'

Recommended Perforations

Cherry Canyon 4921 – 35'

Re-Completion Procedure

1. MIRU Service Rig and requisite equipment. NU BOP. POOH with pump, rods, and tubing.
2. MIRU Wireline Service Co. Run a gauge ring in and out to 6460'. Run strip log and correlate to attached OH log. Set a CIBP at 6460'. Bail 1 sx of cement on plug. Load hole with brine and test to 1000#. Shoot two squeeze holes at 6400'. Set a cement retainer at 6375'. RDMO Wireline Service Co.
3. RIH pressure testing 2-7/8" 6.5# N80 tubing. Sting into retainer. Pressure annulus to 1000#. Break/establish circulation up 7" X 9-5/8" annulus with brine water. Pump 15 bbl of mud sweep and cement with 200 sacks of Class C cement plus additives per squeeze recommendation. Sting out of retainer, reverse clean, and POOH with tubing.
4. Run temperature log to establish TOC. WOC overnight.
5. RU lubricator and RIH w/ 3-3/8" HSD casing gun. Perforate the Cherry Canyon w/ 2 SPF, 120 degree phasing, 23 gram charge, .37" holes from 4921 – 35' (29 holes).
6. RIH w/ 7" treating packer and SN on 2-7/8" tubing. Space out with the EOT at 4935'.
7. RU Acid Service Company. Spot 200 gal of 7-1/2% HCL Acid containing 4 gpt of iron control, 1 gpt each of corrosion inhibitor, surface tension reducer, and non-emulsifier. Pull packer to ~ 4870'. Reverse circulate excess acid into tubing, set packer. Pressure test annulus to 1000#.
8. ND BOP. NU tree. Pressure annulus to 1000 psi. Displace spot acid, establish rate of 3 to 4 BPM w/ 2% KCL. (Keep KCL water usage to a minimum). Acidize w/ 1,300 gal of same acid. Displace w/ 2%

KCL. Do not over-displace. Pump at 3 to 4 BPM max. Launch 40 ball sealers during job. Note rates and pressures. Note ISIP. Max pressure 4000#.

9. Flow/swab back job. Swab test zone.
10. Prep to frac. Kill well with 2% KCL if required. NU frac valve. MIRU Frac Service Company. Pressure annulus to 1000#. Tie on to tubing and establish rate w/ 10,000 pad of 30# XL gel pad containing additives per frac schedule. Frac per frac schedule ramping 16/30 Ottawa from a ¼ lb/gal scour to 6 #/gal of resin coat at tail of job in a 30# XL gel. Total sand 40000 lb of 16/30, 10000 lb of 16/30 resin coat. Obtain rates approaching 12 - 15 BPM, max pr 4000#. Cut resin activator in last tub of sand. Displace to top perf with slickwater. Anticipated treating pressure ~2500#.
11. Obtain 5, 10, and 15 min SI data. RDMO Frac Service Company. Wait on frac overnight.
12. Flow back job. Swab to clean up and test.
13. ND tree, NU BOP. POOH with tubing and packer.
14. RIH w/ MA, PS, SN, TAC (at ~ 4600') and 2-7/8" tubing. Space out and land SN ~4950'. Swab to clean up.
15. RIH w/ 1-1/2" pump and a high strength tapered rod string. Run pump, 350' of 1-1/2" sinker bars, 95 – ¾", and 88 – 7/8". Space out/seat pump. Load and test. PWOP.