

N.M. Oil Cons. DIV-Dist. 2

1301 W. Grand Avenue

Alamogordo, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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 RECEIVED

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Chesapeake Operating, Inc.

3a. Address
P. O. Box 11050 Midland TX 79702-8050

3b. Phone No. (include area code)
(432)687-2992

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1961' FNL & 2113' FWL Sec. 17, T22S, R26E

5. Lease Serial No.
NM 9545

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Federal AA #2

9. API Well No.
30-015-32575

10. Field and Pool, or Exploratory Area
Undesignated; Canyon Lime

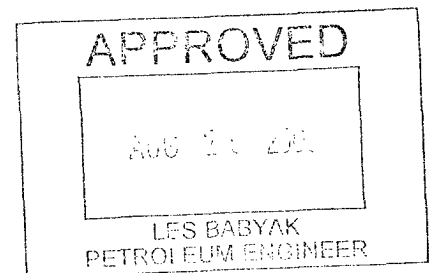
11. County or Parish, State
Eddy
New Mexico

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 recompleat horizontally, give subsurface locations 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, request permission to plug back from the Morrow to the Canyon Lime per the attached workover procedure:



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

Name (Printed/Typed)
Brenda Coffman

Title
Regulatory Analyst

Signature

Date
08/18/2005

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

Title 18 U.S.C. Section 1001, makes 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 reverse)

Federal AA #2 WORKOVER PROCEDURE

GENERAL INFORMATION

Location: 1961' FNL & 2113' FWL, Sec 17 – T22S – R26E
API No.: 30-015-32575

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# H-40	0' – 690'	12.715"	12.559"	2730	0'
9-5/8"	40# J-55	0' - 2594'	8.835"	8.679"	3520	0'
5-1/2"	17# S95&N80	0' - 12385'	4.892"	4.767"	7740	1804'
2-7/8"	6.5# N-80	0 – 11642'	2.441"	2.347"	10570	NA

Existing Morrow perms: 11775 – 792'
Proposed Canyon Lime perms: 9726 - 40'
TD/PBTD: 12,385'/11,870'

Note: Parted Sand Line left in tubing.

Re-Completion Procedure

1. MIRU Service Rig and requisite equipment. NU BOP.
2. Release packer. POOH w/ tubing and packer to top of fish. Pull sand line from tubing. Finish POOH with tubing and packer.
3. MIRU Wireline Service Company. Correlate to OH CN/D Log dated 05/07/2003. Set a CIBP @ 11,725'. Bail 2 sx of cement on plug. POOH w/ wireline.
4. RIH w/ open-ended tubing. Circulate hole clean with 2% KCL. Load and test hole to 3000#. POOH w/ tubing.
5. Perforate the Canyon Lime 9726 – 40' w/ 4 SPF (57 holes) via 3-1/2" casing gun, .36" hole, 34 gram charge. Correlate to OH CN/D log dated 05/07/2003.
6. RIH w/ treating packer and tubing as follows: Re-entry guide, 4' sub, 'XN' nipple, 10' sub, 'X' nipple, 4' sub, Arrow Set packer, on/off tool w/ 'X' profile nipple. Space out with the EOT at 9740'.
7. RU Acid Service Company. Spot 200 gal of 15% HCL Acid containing 200 gpt methanol, 4 gpt of iron control, 1 gpt each of corrosion inhibitor, surface tension reducer, and non-emulsifier. Pull packer to ~ 9760'. Reverse circulate excess acid into tubing, set packer. Pressure test annulus to 3000#.
8. ND BOP. NU tree. Pressure annulus to 2000 psi. Displace spot acid, establish rate of 3 to 4 BPM w/ 2% KCL. (Keep KCL water usage to a minimum). Acidize w/ an additional 1,300 gal of 15% HCL. Acid to contain 200 gpt of methanol, 4 gpt of iron control, 1 gpt each of corrosion inhibitor, surface tension reducer, and non-emulsifier. Displace w/ 7% KCL. Do not over-displace. Drop 70 ball sealers during job. Pump at 4 to 5 BPM max. Note rates and pressures. Note ISIP. Max pressure 6000#.
9. Swab/flow test zone.
10. Re-treat as warranted. Move in Service Company. Perform Gel/Xlink frac per proposal. Pressure annulus to 2000#. Monitor backside for any pressure communication.
 - a) Establish rate w/ 2000 gal of gelled 20% acid pad.

- b) Pump 6000 gal of 20% crosslinked acid.
 - c) Pump 2000 gal of gelled 20% acid.
 - d) Pump 6000 gal of 20% crosslinked acid.
 - e) Pump 1500 gal of gelled 20% acid.
 - f) Pump 6000 gal of 20% crosslinked acid.
 - g) Pump 1500 gal of gelled 20% acid.
 - h) Flush to perfs w/ 2% KCL.
 - i) Max pr 8000#.
11. Wait on acid ~ 4 hours. Flow and swab back to clean up and kick off well.
12. Put well on production.