

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30 2000

5. Lease Serial No.

NM-020501

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

OHIO "C" GOVT.

2

9. API Well No.

300450115

10. Field and Pool, or Exploratory Area

KUTZ CANYON

Basin Dak.

11. County or Parish, State

SAN JUAN

NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other SEE BELOW

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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat 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 final site is ready for final inspection.)

PROPOSE TO CLEAN OUT OPEN HOLE SECTION, RUN A PRODUCTION LINER AND FRACTURE STIMULATE THE PICTURED CLIFFS AS PER THE ATTACHED PROCEDURE

RECEIVED
JUN 29 1999

OIL CON. DIV.
DIST. 3

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

R. J. LONGMIRE

Title

DRILLING SUPERINTENDENT

Date

6/9/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Duane W. Spencer

Title

Team Lead, Petroleum Management

Date

JUN 25 1999

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)

WORKOVER PROCEDURE

Ohio "C" Government #2

Kutz Canyon Field

1850' FNL & 990' FWL

Section 26, T-28-N, R-11-W

San Juan County, New Mexico

Date: April 28, 1999

Purpose: Recomplete to the Pictured Cliffs

GWI: 100%

NRI: 87.5%

AFE #: 308099

AFE Amount: \$100,000

AFE Days: 7

Elevations: KB: 5582

GL: 5574'

TD: 6249'

PBTD: 6100'

Surface Csg: 10-3/4" 40# J-55 10V & 32.75# H-40 8rd @ 251' cmt'd w/ 200 sks (circulated)

Production Csg: 5-1/2" 15.5# J-55 ST&C @ 6249' cmt'd w/ 525 sks in 2 stages w/ DV tool @ 1599'
(Did not circulate 1st stage, TOC @ 900' by CBL on 2nd stage)
[Drift = 4.825" 80% Burst = 3848 psi]

Tubing: 191 jts 2-3/8" 4.7# EUE 8rd tbg @ 6043' w/ SN @ 6005' and TAC @ 5688'

Rods & Pump: None

Wellhead: 10" x 6" Nominal Series 900 Casing Spool

Perforations: Graneros: 5970-86', 5994-6010' (3 SPF)

Dakota: 6052-6100' (3 SPF)

[6134-58' & 6162-82' - Squeezed w/ 100 sks cement 2/68]

Anticipated BHP: 150 psi in the Pictured Cliffs
400 psi in the Dakota

Comments: 1) Use 2% KCl in all workover fluids.

2) Use 2-3/8" 4.7# J-55 tubing for production. [Drift = 1.901", 80% Burst = 6160 psi]

3) Use 3-1/2" 9.3# J-55 tubing for workstring. [Drift = 2.867", 80% Burst = 5584 psi]

PROCEDURE

1. Inspect location and improve if necessary. Test safety anchors to 22,500#.
2. MIRU PU. ND wellhead. NU 7-1/16" BOP w/ pipe rams for 2-3/8" tbg on top & 2 valves below blind rams on bottom. Function test BOP. POOH & LD 2-3/8" tubing and send in for inspection. 2-3/8" tubing will be reused as production string if it inspects OK.
3. RU WL. RIH w/ gauge ring to $\pm 5950'$. RIH w/ CIBP & set @ $\pm 5950'$. Dump bail 20' cement on CIBP. Load hole w/ 2% KCl water. RIH w/ another CIBP & set @ $\pm 3000'$ (above Mesaverde), then dump bail 20' cement on it. Close blind rams & pressure test BOP and casing to 500 psi.
4. Run GR-CNL across interval $\pm 1600'$ -surface (or log minimum). Correlate with Halliburton Cement Bond Log dated 7/27/95. Perforate the Pictured Cliffs interval(s) $\pm 1515-30'$ (based on Schlumberger IEL dated 9/15/60, CBL depth may be different) w/ 4" casing guns loaded 2 SPF @ 120" phasing w/ 23 gram 317T charges. RD WL.
5. Change pipe rams to 3-1/2". RIH with 5-1/2" packer on 3-1/2" tubing and set @ $\pm 1550'$. Hydrotest tubing in hole to 5000 psi. Pressure test CIBP to 1000 psi, then PUH & set packer @ $\pm 1450'$. Close pipe rams & test BOP to 500 psi.
6. RU stimulation company. Pump 500 gallons 15% HCl spearhead acid to breakdown Pictured Cliffs perms, then sand fracture stimulate perms as per recommendation with approximately 75,000# 20/40 Arizona sand using 70 quality nitrogen foam @ 30-35 BPM and 3500 psi maximum pressure. Actual job design may vary slightly depending on exact interval perforated. RD stimulation company.
7. Flow back load. POOH w/ packer & LD 3-1/2" tubing.
8. Change pipe rams to 2-3/8". RIH w/ 2-3/8" production tubing (including sand screen) & land same w/ SN @ $\pm 1525'$. ND BOP. NU wellhead. RIH with rods and pump w/ gas anchor on bottom. Space out pump plunger. RDMO PU.
9. Install compression and place well on production.

XC: D. K. Barker
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