

State of New Mexico  
Energy, Minerals and Natural Resources  
District I  
1005 South First, Hobbs, NM 87401  
District II  
1005 South First, Artesia, NM 87210  
District III  
1005 South First, Las Cruces, NM 88001  
District IV  
1005 South First, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources  
OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-103  
Revised March 28, 1990

WELL API NO.

30-025-03849

Indicate Type of Lease

STATE ☒ FEDERAL ☐

State Oil & Gas Lease No.

Lease Name or Unit Agreement Name

ABO SWD "C"

Well No.

2

Pool name or Wildcat

Lovington-Abo

1. Type of Well

Oil Well ☐ Gas Well ☐ Other ☐ Disposal Well ☐

2. Name of Operator

Rice Operating Company

3. Address of Operator

122 West Taylor, Hobbs, NM 88240

4. Well Location

Unit Letter C 2310 feet from the West line and 990 feet from the North line

Section 2 Township 17S Range 36E NM/M County LEA

Elevation Shore Another DR RKB RT GL  
RKB 3863' GL 3842'

II. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERING CASING ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPNS ☐ PLUG AND ABANDONMENT ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐ CASING TEST AND CEMENT JOB ☐

OTHER ☐ OTHER ☐

12. Describe proposed or completed operations. Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. SEE RULE 113 for Multiple Completions. Attach wellbore diagram of proposed completion or recompletion.

ABO SWD C-2 failed bradenhead test on October 1, 1999

Intend to perform remedial work to stop waterflow between production casing and intermediate casing by circulating cement behind the production casing to the surface as per attached procedure. Wellbore schematic is also attached.

Estimated start date: OCTOBER 18, 1999

I hereby certify that the information given is true and correct to the best of my knowledge.

SIGNED BY Carolyn Doran Haynes Operations Engineer

10/14/99

Typed Name: Carolyn Doran Haynes

Telephone No. 505-393-9174

This space for State use ORIGINAL SIGNED BY

GARY WINK

APPROVED BY GARY WINK

OCT 18 1999

Condition of Approval

DATE

990' FNL & 2310' FWL, SEC.2, T17S, R36E, LEA COUNTY, NEW MEXICO

KB ELEV.:3863' GL ELEV.:3842'

13-3/8" OD, 48# CSG SET  
AT 396'  
CMT CIRC.

TUBING: 3-1/2" OD 9.2# J-55 (264 jts) & 4 jts NUE  
(tubing coated with TUBOSCOPE TK75)

9-5/8" OD, 36 & 40# CSG  
SET AT 3348'  
CMT CIRC.

TOP OF CEMENT at 4370'

- T/GLORIETA 6095'

T/PADDOCK 6160'

- T/TUBBS 7670'

- T/ABO 8350'

BOT Model "DL" packer set at 8338'

PERFS 8337'-8468' (SQUEEZED)

PERFS 8442'-8446'

5-1/2" OD 17# CSG SET AT 8530'  
W/1380 SX CMT.

4-3/4" OPEN HOLE 8530'-8879'

TD at 8879'

DWN	3-9-88	SAB	APPROVED	SAB	ABO SWD SYSTEM SWD WELL C-2	SCALE NONE
					Rice Engineering Corporation	DWG. NO.
					Great Bend, Kansas	

## ABO SWD SYSTEM SWD WELL C-2

UNIT LETTER C, SEC. 2, T17S, R36E, LEA COUNTY, NEW MEXICO

Cement Circulation and Squeeze to Stop Intermediate Casing (bradenhead) Water Flow.

On October 1, 1999, NMOCD conducted an annual bradenhead test on the SWD well C-2. The production casing was 0 psi, surface casing was 0 psi and intermediate casing was 450 psi. After relieving the pressure, the test revealed a water flow from the intermediate casing. The NMOCD inspector designated the well failed the test and must be repaired.

1. MIRU Pool Well Service pulling unit. Conduct on-site pre-job safety meeting.
2. ND Wellhead. NU BOP. Unseat Baker Model "DL" packer set at 8338'. POOH with 264 jts 3 1/2" J-55 NUE tbg. Visually inspect, lay down on racks and protect ends. Tbg is IPC.
3. Unload and tally 2 7/8" workstring. RIH w/packer and RBP. Set RBP at approx. 6000'. Load hole and test RBP. POOH w/ packer and dump 2 sacks sand on RBP.
4. Rig-up Haliburton for Cement Bond Log. Perforate csg w/2 shots at 180° @ 5-25' above TOC.
5. RIH w/ packer and workstring and set packer 250' above new perfs
6. Rig-up pump truck and establish circulation to surface through 5 1/2" and 8 5/8" casing annulus. Record rate (<1.5bpm) and pressure. May use dye caliper to check cement volume requirement.
7. Rig-up Haliburton. Circulate cement to surface, close valves on annulus and squeeze 50-75 sacks into formation. Stage as necessary to achieve 500-1500 psi.
8. If pressure is holding, release packer, pull 2 jts then reverse around packer to clean up and reset. Pressure up on tbg and shut in overnight.
9. POOH w/ workstring and packer.
10. Rig-up reverse unit. RIH w/ 4 3/4" bit, 6 drill collars, workstring, tag cement. Drill out cement. Test casing to 500 psi for 15 minutes. It will hold. I know it will. RIH w/additional tbg and tag sand. Wash sand off RBP POOH I HOPE SO!
11. Pick up Retrieving head, RIH and Retrieve Bridge Plug, POOH laying down workstring
12. RIH w/ injection packer, 3 1/2" tbg, testing tubing into hole to 1000#
13. Displace annulus with packer fluid and set packer
14. ND BOP and NU wellhead. Test casing to 500# for 15 minutes with chart recorder.
15. Put well back on disposal. Release pulling unit. Rig down.

