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to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION  
2040 Pacheco St.  
Santa Fe, NM 87505

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. <b>30-025-32244</b>
Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
Name of Operator <b>SAGE ENERGY COMPANY</b>		State Oil & Gas Lease No. <b>K4606</b>
Address of Operator <b>P.O. DRAWER 3068, MIDLAND, TX. 79702</b>		Lease Name or Unit Agreement Name <b>NORTH VACUUM ABO NORTH UNIT "3"</b>
Well Location Unit Letter <b>I</b> : <b>1980</b> Feet From The <b>SOUTH</b> Line and <b>660</b> Feet From The <b>EAST</b> Line Section <b>1</b> Township <b>17-S</b> Range <b>34-E</b> NMPM <b>LEA</b> County		Well No. <b>2</b>
Elevation (Show whether DF, RKB, RT, GR, etc.) <b>4034' KB</b>		Pool name or Wildcat <b>NORTH VACUUM (ABO)</b>

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
 PULL OR ALTER CASING ☐  
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS. ☐ PLUG AND ANBANDONMENT ☐  
 CASING TEST AND CEMENT JOB ☒  
 OTHER: ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

SEE ATTACHED 3 PAGES.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE George M. Harris, Jr. TITLE ENGINEER DATE 1/08/01  
 TYPE OR PRINT NAME GEORGE M. HARRIS, JR. TELEPHONE NO. 915-683-5271  
 (This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

# **SUMMARY OF RECOMPLETION FOR** **NMOCD**

## **SAGE ENERGY COMPANY** **NVANU 3#2**

Prior to moving in the horizontal completion rig, the casing was squeezed from 6126' to 5184' with 250 sacks of Class 'C' cement. This was drilled out and the casing was tested to 1000 psi.

The completion rig was moved in and a RBP was set in the 4-1/2" casing at 8704', above existing perforations from 8725' to 8828'. A whipstock was set on this plug and the 226° azimuth lateral was drilled. The casing window was cut from 8689' to 8696'. This lateral was extended to a measured depth of 10,094' (1401'). The lateral was then acidized. Our first two attempts at removing this whipstock failed, so we set the second plug for the second whipstock, leaving the first whipstock assembly in the hole.

The second RBP was set at 8682'. The whipstock was set on top of this and the second lateral, oriented at 310°, was drilled. This casing window is cut from 8667' to 8674'. This lateral was extended to a measured depth of 10,036' (1300). The lateral was then acidized and the whipstock and second RBP were removed.

The first whipstock was then grabbed with an overshot, moved up hole about 5 feet and would not come any further up or down. A tapered mill was run and about 2-1/2' were milled. A packer was then set below the upper window and swabbing efforts resulted in hydraulic communication with the lower lateral. The well was then hung on, leaving a whipstock and a retrievable bridge plug in the hole.

The first RBP is set from 8704'-06' and the whipstock is estimated to be from 8686' to 8699'. All measurements in the vertical wellbore are wireline depth measurements while lateral extensions are based on pipe measurements.

**SUMMARY OF RECOMPLETION FOR**  
**NMOCD**

**SAGE ENERGY COMPANY**  
**NVANU 3#2**

10-31-00

RIG UP CAPITAN CORP. AND PERFORATE 4 SQUEEZE HOLES AT 6,126'. RIH WITH TUBING AND PACKER TO 5,779' AND SET PACKER. PUMP DOWN TUBING UNTIL BREAK CIRCULATION ON 8-5/8" CASING WITH 47 BBLS PUMPED. CEMENT WITH 250 SXS CLASS "C" NEAT AND FLUSH WITH 24 BBLS FRESH WATER. WOC. RELEASED PACKER AND PULLED 5 STANDS, THEN REVERSED TUBING CLEAN. SET PACKER AND PRESURE UP ON SQUEEZE. SWI AND WOC.

11-1-00

UNSET PACKER AND POOH WITH TUBING. RU ARC PRESURE DATA TO RUN TEMPERATURE SURVEY FIND TOC @ 5184'.

11-2-00

DRILL TO 6130' TO BOTTOM OF CEMENT. TEST CASING TO 1000 PSI.

11-8-00

POOH WITH DRILL PIPE. SET WEATHERFORD RBP @ 8704.00' KB, WITH WIRELINE. RIH WITH DRILL PIPE AND TAG PLUG @ 8689.59 TALLIED DEPTH, POOH, WAIT FOR TOOL OPERATOR TO SET WHIPSTOCK. (11pm-Wait on Weatherford)

11-9-00

Dir. Days on Well: 3. RIH WITH WHIPSTOCK, RUN GYRO, ORIENT TOOL TO 226° AZIMUTH AND SET. TOP OF WHIPSTOCK AT 8675.83'.

11/28/00

Dir. Days on Well: 20. Depth this AM: 10094', cut 144' in last 24 hours. Operations this AM (11/29): POOH. Finished lateral #1.

11/30/00

Run stimulation assembly into lateral. Acidize well with 1000 G 15% HCl and 27,500 G 20% gelled acid. ATP=5800# @ AIR=12.4 bpm, ISIP=2500#. Flow well back immediately, POOH with stimulation assembly. RIH with hook to retrieve whipstock, unable to catch. TOOH (6am-12/1/00)

**SUMMARY OF RECOMPLETION FOR**  
**NMOCD**

**SAGE ENERGY COMPANY**  
**NVANU 3#2**

12/1/00

RIH w/ tapered tap to retrieve whipstock. POOH, recovered 9" of whipstock and lost 7" of jagged pieces of tap in hole. RIH w/ wireline and Atlas RBP, run GR-CCI and set RBP at 8682'. Test RBP to 500#. RIH w/ whipstock on drill pipe.

12/9/00

Dir. Days on Well: 28. Depth this AM: 10036', cut 440' in last 24 hrs.  
Operations this AM: Tripping. **Finished lateral #2.**

12/13/00

RIH with 46 joints of drill pipe and set packer at 8404', end of treating assembly at 9930'. Acidize with 40,000 G 20% gelled acid. ISIP: 1822#, 15 min: 156#. ATP: 5750# @ 13 bpm. Release packer and pull 24 stands and SD, leave well open to frac tank on 8/64 chk.

12/18/00

RIH with swab, made two runs, well KO flowing. Initial FL at 2400'. Well flowing at 20 bph. Pumped 120 bfw down tubing to kill. Hooked whipstock, unset, and POOH. Laid down whipstock, SWI & SD.

12/19/00

RIH with retrieving tool, release RBP and POOH. RIH with 3-7/8" box tap, four drill collars, jars and bumper sub. Catch whipstock, unseat and PUH 5 feet, go no further. Pull 10 points over weight and SD.

12/21/00

POOH with tubing. PU tapered mill, RIH and mill from 8673' to 8675.25' for a total of 2 feet 4 inches. SWI & SD.

12/22/00

POOH and laid down tools. RIH with Model 'R' packer and set at 8665', below upper window. Made 8 swab runs, IFL @ 2200', FFL @ 4800'. Last three runs fluid level remained the same, had a 5% oil cut. Unset packer and pulled 15 stands and SWI and SD for holiday.