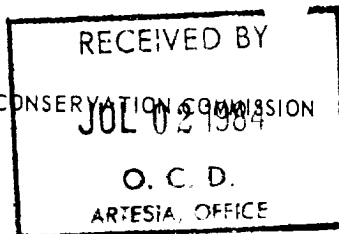


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NEW MEXICO OIL CONSERVATION COMMISSION



Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator N. Dale Nichols ✓	8. Farm or Lease Name Alma Shields
3. Address of Operator P. O. Box 1972, Midland, Texas 79702	9. Well No. 1 4
4. Location of Well UNIT LETTER K 1650 FEET FROM THE South LINE AND 1650 FEET FROM THE West LINE, SECTION 33 TOWNSHIP 75 RANGE 27E N.M.P.M.	10. Field and Pool, or Wildcat Acme San Andres
15. Elevation (Show whether DF, RT, GR, etc.) 4004.5 GL	12. County Chaves

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

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

17. 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.

This amended C-103 as requested in your letter of June 4, 1984, includes all work performed through 6-20-84.

- 1.) Spudded 4-11-84 with 9 7/8" bit and drilled to 280'.
- 2.) Ran 9 joints, 277', 7", 20 lbs. casing cemented @ 278 with 100 sacks class C cement. Circulated an estimated 15 sacks plug down 12:30 pm 4-25-84.
- 3.) Repair rig and WOC 188 hrs. Tested 7" casing 8:30 am 5-2-84, tested to 850 PSI for 30 minutes. Test OK.
- 4.) Drilled out shoe with mud then changed to air. Drilled formation 280' to 304'. Encountered leak around casing shoe.
- 5.) Squeezed 7" casing with 50 sacks class C, squeezed to 600 PSI. Reversed out estimated 22 sacks. Job completed 1:30 pm 5-4-84.
- 6.) WOC 65 1/2 hrs. Tested squeeze w/ 600 PSI for 30 minutes. Test OK.
- 7.) Ran 6 1/4 bit and drilled with air to 887', changed to mud and drilled to total depth of 2118'.
- 8.) Ran 51 joints 2118' of 4 1/2, 11.6 lb casing and cemented with 100 sacks class C with 5 lbs salt per sack. Plug down 1:30 pm 5-18-84.

continued

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

SIGNED N. Dale Nichols

TITLE Operator

DATE June 29, 1984

Original Signed By
Leslie A. Clements

APPROVED BY _____

TITLE Supervisor District II

DATE JUL 02 1984

CONDITIONS OF APPROVAL, IF ANY:

N. Dale Nichols
Alma Shields # 4
New Mexico Oil Conservation Commission
Form C-103 Amended

Item 17 continued

- 9.) Calculated top of cement 1359 based on 50% excess cement.
- 10.) WOC 274 1/2 hrs. Tested casing with 850 PSI for 30 minutes. Test OK.
- 11.) Ran cement bond log. Found cement displaced 550' up hole. Cement located between 1170' and 1550'. No appreciable cement across potential pay.
- 12.) Perforated 4 1/2" casing with 4 holes @ 2095 and r holes @ 1620. Ran RTTS packer and set @ 2098 and tested shoe w/ 1000 PSI. Test OK. Reset RTTS packer @ 2090 circulated KCL water out, perforation 2095 up hole-casing annulus to perforations 1620. Pulled RTTS packer.
- 13.) Ran EZ drill cement retainer on 2 3/8 tubing and set at 2090. Recemented 4 1/2" casing with 100 sacks class C with 5 lbs salt per sack. Pulled stinger out of retainer and pulled up to 1550' and reversed out estimated 20 sacks. Job complete 11:45 am 5-31-84.
- 14.) WOC 68 1/2 hrs.
- 15.) Tested 4 1/2" casing with 850 PSI for 30 minutes. Test OK 6-4-84.
- 16.) Ran 3 7/8 bit on 2 3/8 tubing. Encountered cement @ 1570'. Drilled cement to 1660. Free to 2040. Drilled cement 2040 to 2088.
- 17.) Pull out of hole. Tested 4 1/2" casing at 400 PSI. Test OK.
- 18.) Ran cement bond log. Found cement in place 2090 to 1620 with questionable bonding 2090 to 2010.
- 19.) Perforated 4 1/2" casing with 2 holes @ 2041, 2 holes @ 2050 and 2 holes @ 2060.
- 20.) Ran Halliburton pin point packer and straddled holes @ 2060. Hole in tubing unable to treat. Pulled pin point packer.
- 21.) Ran RTTS packer on 2 3/8 tubing. Tested tubing to 4000 PSI going in the hole. Found collar leak.
- 22.) Set RTTS @ 2055 and had communications with perforations @ 2041 and 2050.
- 23.) Reset RTTS @ 2046 and had communications with perforations @ 2041.
- 24.) Reset RTTS @ 2020 and treated perforations from 2041-2060 w/ 750 gals 22 % HCL. Formation broke @ 1800 PSI and treated @ 2 BPM at 1800 PSI.

N. Dale Nichols
Alma Shields # 4
New Mexico Oil Conservation Commission
Form C-103 Amended

Item 17 continued

- 25.) Flowed and swabbed load and acid water, swabbed formation water @ rate of 4 BPH.
- 26.) Ran EZ drill cement retainer @ 2029 and squeezed perforations 2041-2060 with 75 sacks class C. Squeezed to 2600 PSI. Reversed out estimated 40 sacks. Job complete 12:00 noon 6-14-84.
- 27.) WOC 24hrs. Ran temperature survey. Survey indicated cement entered zone from 2000 to 2029.
- 28.) Perforated P 1 zone of the slaughter 1 hole @ 1930, 1 hole @ 1943, 1 hole @ 1949 and 2 holes @ 1957.
- 29.) Ran RD-1 tension packer on 2 3/8 tubing to 1963. Spotted 2 bbls of acid. Pulled up and set packer @ 1833 and tail pipe at 1865'.
- 30.) Acidized perforations with 3000 gal 22 % HCL in three stages using ball sealers. Formation broke at 2400 PSI and treated @ 2000 PSI @ 3.2 BPM.
- 31.) Swabbed and flowed 42 bbls load and acid water in 3 hrs. Shut down over night.
- 32.) Swabbed 67 bbls load and acid water in 7 hrs. Last hour swabb 3 BPH cutting estimated 25 % oil.
- 33.) Pulled tubing and packer.
- 34.) Ran tubing and seating nipple @ 1927 and bottom of mud anchor at 1941.
- 35.) Ran pump and rods.
- 36.) Waiting on pumping unit.