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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 ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name
2. Name of Operator <i>Midland Oil Corporation</i>	8. Farm or Lease Name <i>North Vac also Unit</i>
3. Address of Operator <i>Box 633, Midland, Texas 79701</i>	9. Well No. <i>146</i>
4. Location of Well UNIT LETTER <i>H</i> <i>460</i> FEET FROM THE <i>East</i> LINE AND <i>1980</i> FEET FROM THE <i>North</i> LINE, SECTION <i>10</i> TOWNSHIP <i>17S</i> RANGE <i>34E</i> NMPM.	10. Field and Pool, or Wildcat <i>North Vac also</i>
15. Elevation (Show whether DE, RT, GR, etc.) <i>4051 GR</i>	12. County <i>Dea</i>

16.

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 ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

PULL OR ALTER CASING ☐

CHANGE PLANS ☐

CASING TEST AND CEMENT JOB ☐

OTHER ☐

OTHER *Convert to WIW* ☒

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.

Convert to WIW as per attached procedure

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

SIGNED

Christine O. Tucker

TITLE

Production Clerk

DATE

6-7-73

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

WELL WORK RECOMMENDATIONS
Proposals for Well Reconditioning and Subsurface Maintenance
Workovers, Expense DD's, PB's, and Conversions

Lease: NORTH URGUIN ARO UNIT Well No. 166
Field: NORTH URGUIN (ARO)
County: LEA State: NEW MEXICO

RECOMMENDED PROCEDURE:

1. MOVE IN A PULLING UNIT AND RAIL THE PRODUCING EQUIPMENT.

2. SPOT A CEMENT TRAIL FINGER PING AT DEPTH OF 8,800'. SET A CEMENT RETAINER AT 8,765' AND SQUEEZE THE ARO PERFORATIONS (8,715' - 8,781') (66' OR - 11 HOLES) WITH 150 SXS OF CLASS C MESH CEMENT. ALLOW THE CEMENT TO SET 24 HRS.

3. SPOT 500 GALS OF 15% NON-FORMULATED HCL ACID IN THE BOTTOM OF THE WELL AND PERFORATE THE FOLLOWING INTERVALS IN THE ARO FORMATION W/135/FL.

8,640'	8,666'	8,670'	8,675'	8,684'
8,662'	8,667'	8,672'	8,682'	8,685'
8,664'	8,668'	8,674'	8,683'	TOTAL - 45' OR - 14 HOLES

PERFORATIONS WERE SELECTED FROM DRESSER ATLAS SNP LOG DATED.

8-6-71. MIN. CORRELATION - COLLAP LOG WILL BE REQUIRED.

4. TREAT THE ARO PERFORATIONS (8,628' - 8,693') (45' OR - 3 HOLES) WITH 1000 GALS OF THE FOLLOWING CLEANOUT SOLUTION:

A. 800 GALS OF XYLENE BOTTOMS,

B. 200 GALS OF 15% REGULAR HCL ACID,

C. 2 GALS OF ADDEAM (10 GALS OF ADDEAM / 1,000 GALS OF ACID).

NOTE: BLEND THE ADDEAM INTO THE ACID PRIOR TO MIXING THE ACID & XYLENE BOTTOMS. DISPLACE 800 GALS OF THE CLEANOUT SOLUTION INTO THE FORMATION AND ALLOW THE REMAINING 200 GALS TO SOAK THE FORMATION FACE FOR 24 HRS.

5. SWAB AND CLEAN UP THE WELL UNTIL ALL THE CLEANOUT

5-22-73 JN

Oper. Engr.
Form - 1/73

page 1 of 2.

WELL WORK RECOMMENDATIONS
Proposals for Well Reconditioning and Subsurface Maintenance
Workovers, Expense DD's, PB's, and Conversions

Lease: NORTH VACUUM PEO UNIT Well No. 166
Field: NORTH VACUUM (PEO)
County: LEA State: NEW MEXICO

RECOMMENDED PROCEDURE:

SOLUTION HAS BEEN REMOVED.

6. ACIDIFY THE PEO PERFORATIONS (8,128' - 8,131') (53' OA - 142 HOLES)
WITH 5,000 GALS. OF 15% NON-EMULSION, IRON-STABILIZED, HCL ACID.
TREAT AT 2 TO 5 BBL/MIN AND INJECT A SUFFICIENT QUANTITY
OF RUBBER-COVERED 1 INCH BALL STAINERS TO OBTAIN A COMPLETE
BALL-OUT. RELEASE THE BALL STAINERS AND INJECT 15,000 GALS OF
FRESH WATER TREATED WITH 2 GALS OF BORAX / 1,000 GALS OF WATER.

7. RUN 2" (BUTRESS THREAD COUPLING, N-30) INJECTION TUBING
AND A MODEL "NR" PACKER.* LOAD THE TUBING-CASING ANNULUS
WITH FRESH WATER TREATED WITH 10 GALS OF CAPTRIN 2207
PER 1,000 GALS OF WATER. SET THE PACKER APPROXIMATELY
50' ABOVE THE INJECTION INTERVAL.

8. PUT THE WELL ON INJECTION.

NOTE: A HIGH PRESSURE ALTERNATE GAS AND WATER
INJECTION PROJECT IS PLANNED.

*REFER TO ATTACHED SKETCH FOR PACKER HOOK-UP DETAILS.

DIAGRAMMATIC WELL SKETCH
NORTH VACUUM ARO UNIT WELL NO. 166
NORTH VACUUM (P&G) CO.
LEA COUNTY, NEW MEXICO

