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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>Maril 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>159</i>
4. Location of Well UNIT LETTER <i>P</i> <i>660</i> FEET FROM THE <i>South</i> LINE AND <i>660</i> FEET FROM THE <i>East</i> LINE, SECTION <i>12</i> TOWNSHIP <i>17N</i> RANGE <i>34-E</i> NMPM.	10. Field and Pool, or Wildcat <i>North Vac - also</i>
15. Elevation (Show whether DF, RT, GR, etc.) <i>4015 G.R.</i>	12. County <i>Lea</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 ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☒ <i>Convert to WIW</i>	CASING TEST AND CEMENT JOB ☐	OTHER ☐

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*

Orig. Signed by
John Runyan
Geologist

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 VACUUM ABO UNIT Well No. 159
Field: NORTH VACUUM (A30)
County: LEA State: NEW MEXICO

RECOMMENDED PROCEDURE:

1. MOVE IN A PULLING UNIT, PULL THE PRODUCING EQUIPMENT,
AND CLEAN THE WELL OUT TO T.D. 8,750'.

2. SPOT 500 GALS OF 15% NON-EMULSION, HCL ACID AT APPROX-
IMATELY 8,625' AND PERFORATE THE FOLLOWING INTERVALS
IN THE ABO FORMATION WITH 1 JET CHOT PFP PLUGS:

<u>8,561'</u>	<u>8,572'</u>	<u>8,581'</u>	<u>8,605'</u>	<u>8,612'</u>
<u>8,568'</u>	<u>8,573'</u>	<u>8,603'</u>	<u>8,610'</u>	<u>8,613'</u>
<u>8,569'</u>	<u>8,580'</u>	<u>8,604'</u>	<u>8,611'</u>	<u>8,614'</u>

TOTAL - 53'OA - 15 HOLES

PERFORATIONS WERE SELECTED FROM SCHLUMBERGER'S PDC LOG DATED 5-9-7

3. TRIERT THE ABO PERFORATIONS (8,561'-8,621') (60'OA - 33 HOLES)
WITH 1,000 GALS OF THE FOLLOWING CLEANOUT SOLUTION:

A. 800 GALS OF XYLENE BOTTOMS,

B. 200 GALS OF 15% REGULAR, HCL ACID,

C. 2 GALS OF ADOFOAM (10 GALS OF ADOFOAM / 1000 GALS OF ACID).

NOTE: BLEND THE ADOFOAM INTO THE ACID PRIOR TO MIXING
THE ACID AND XYLENE BOTTOMS.

DISPLACE 800 GALS OF THE CLEANOUT SOLUTION INTO THE
FORMATION AND ALLOW THE REMAINING 200 GALS TO SOAK
THE FORMATION FACE FOR 20 HRS.

5-23-73 JN

Oper. Engr.
Form - 1/73

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

Lease: NORTH URGUUM ABO UNIT Well No. 159
Field: NORTH URGUUM (ABO)
County: LER State: NEW MEXICO

RECOMMENDED PROCEDURE:

4. SWAB AND CLEAN UP THE WELL UNTIL ALL THE CLEAN-OUT SOLUTION HAS BEEN REMOVED.

5. ACIDIZE THE ABO PERFORATIONS (8,561' - 8,601') (60' OR - 33 HOLES) WITH 5,000 GALS OF 15% NON-FILLING, IRON STABILIZED, HCL ACID. TREAT AT 2 TO 5 BBL/S/MIN AND INJECT A SUFFICIENT QUANTITY OF RUBBER-COVERED NYLON BALL SEALERS TO OBTAIN A COMPLETE BALL-OUT. RELEASE THE BALL SEALERS AND INJECT 15,000 GALS OF FRESH WATER TREATED WITH 2 GALS OF ADMALL PER 1000 GALS OF WATER.

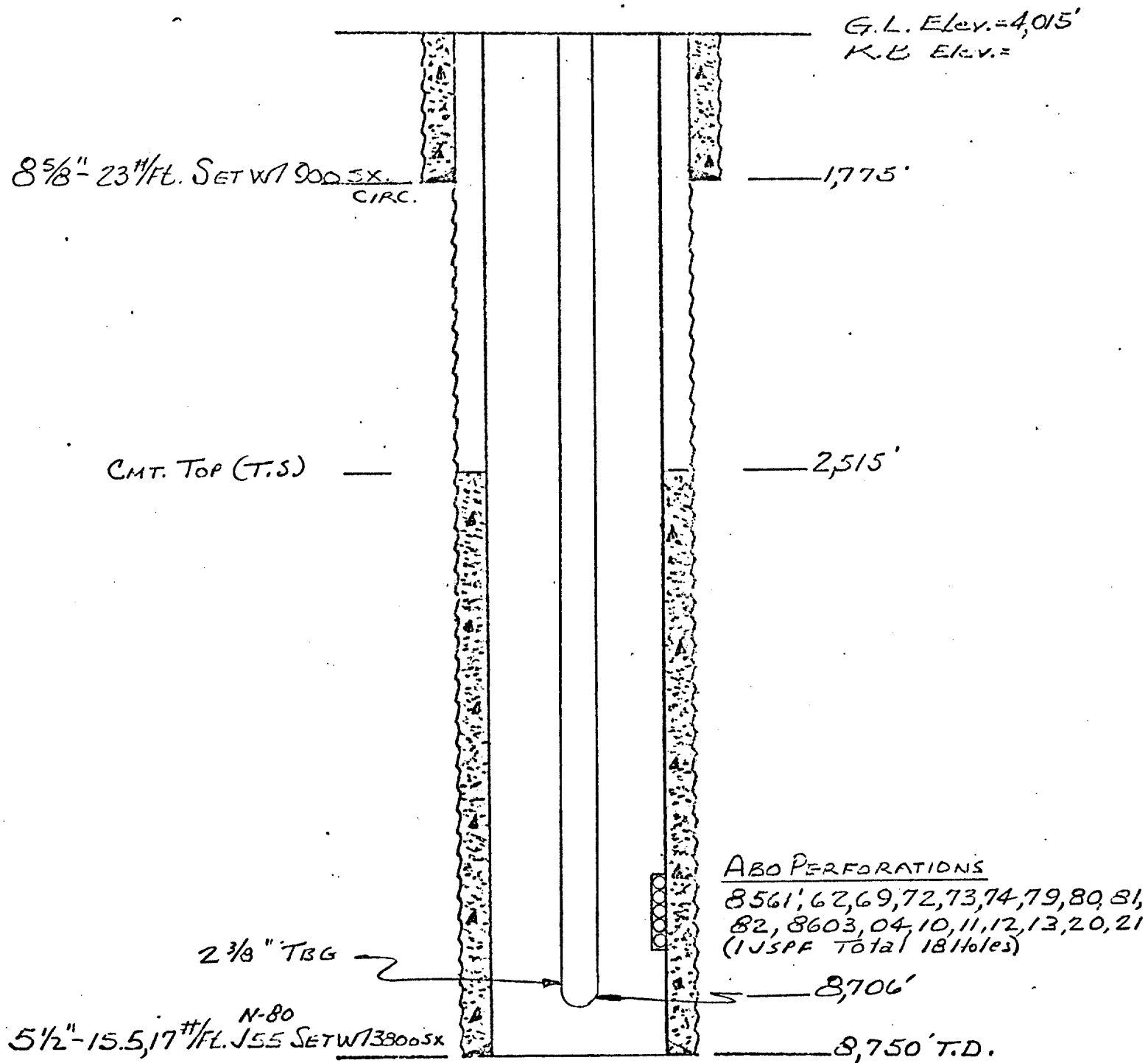
6. RUN 2" (BUTTRESS THREAD COUPLING, N-80) INJECTION TUBING AND A MODEL "NB" PACKER*. LOAD THE TUBING-CRSG ANNUBUS WITH FRESH WATER TREATED WITH 10 GALS OF GORTON 2207 PER 1000 GALS OF WATER. SET THE PACKER APPROXIMATELY 50' ABOVE THE INJECTION LEVEL.

7. PUT THE WELL ON INJECTION.

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

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

DIAPHRAGMATIC WELL SKETCH
NORTH VACUUM ABO UNIT WELL No. 159
NORTH VACUUM (1800) POOL
LEA COUNTY, NEW MEXICO



4-27-73
 LEW