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U.S.G.S.
LAND OFFICE
OPERATOR

NEW MEXICO OIL CONSERVATION COMMISSION

Form O-103
Supersedes O-11
C-102 and C-103
Effective 1-1-61

5a. Indicate Type of Lease
State ☒ Free ☐
5. State Oil & Gas Lease No.

SUNDY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSED TO DRILL OR TO RE-DRILL OR TO PLUG OR TO ABANDON A WELL IN A DIFFERENT RESERVOIR.
USE APPLICATION FOR PERMIT TO DRILL OR TO RE-DRILL OR TO PLUG OR TO ABANDON A WELL.

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name
2. Name of Owner <i>Manoil Corporation</i>	8. Name of Lease Name <i>North Van also named</i>
3. Address of Owner <i>Box 633, Midland, Texas 79701</i>	9. Well No. <i>150</i>
4. Location of Well UNIT LETTER <i>N</i> <i>2020</i> FEET FROM THE <i>West</i> LINE AND <i>611</i> FEET FROM <i>South</i> LINE, SECTION <i>12</i> TOWNSHIP <i>17S</i> RANGE <i>34-E</i> N.M.P.M.	10. Field and Pool, or Allient <i>North Van - also</i>
11. Elevation (Show whether DE, RT, GR, etc.) <i>4022 RL</i>	12. County <i>Tex</i>

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 OPER. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER <i>Connect to WTW</i> ☒	CASING TEST AND CEMENT JOBS ☐	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.

Connect to WTW 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 C. Tucker* TITLE *Secretary 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 ED's, PD's, and Conversions

Lease: NORTH URSULA ABE UNIT Well No. 150

Field: NORTH URSULA (Abe)

County: LFA State: NEW MEXICO

RECOMMENDED PROCEDURE:

1. MAKE TO A PULLING UNIT, PULL THE PRODUCING EQUIPMENT, AND CLEAN THE WELL OUT TO P.B.T.D. OF 8,625'.

2. SPOT 500 GALS OF 15% AHA-EMULSION, HCL ACID AT APPROX-
IMATELY 8,625' AND PERFORATE THE FOLLOWING INTERVALS IN
THE ABE FORMATION WITH 1 SET EACH PER HOLE:

8,538'	8,546'	8,550'	8,551'	8,591'	8,594'	8,603'
8,599'	8,549'	8,571'	8,580'	8,582'	8,601'	8,604'
8,540'	8,548'	8,580'	8,590'	8,590'	8,600'	8,605'

TOTAL - 67' OR - 21 HOLES.

PERFORATIONS WERE SELECTED FROM DEEPER-BITLES GR-N LOG DATED 1-31-71.

3. TREAT THE ABE PERFORATIONS (8,551' - 8,605') (74' OR - 39 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 ADOFORM (10 GALS OF ADOFORM / 1000 GALS OF ACID).

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

DISPLACE 800 GALS OF THE CLEANOUT SOLUTION INTO THE
FORMATION AND ALLOW THE PERFORATIONS 200 GALS TO SOAK
THE FORMATION FACE FOR 24 HRS.

5-23-73 JN

Oper. Engr.
Form - 1/73

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

Lease: NORTH USQUIMA TRACT UNIT Well No. 150
Field: NORTH USQUIMA (HPS)
County: LEA State: NEW MEXICO

RECOMMENDED PROCEDURE:

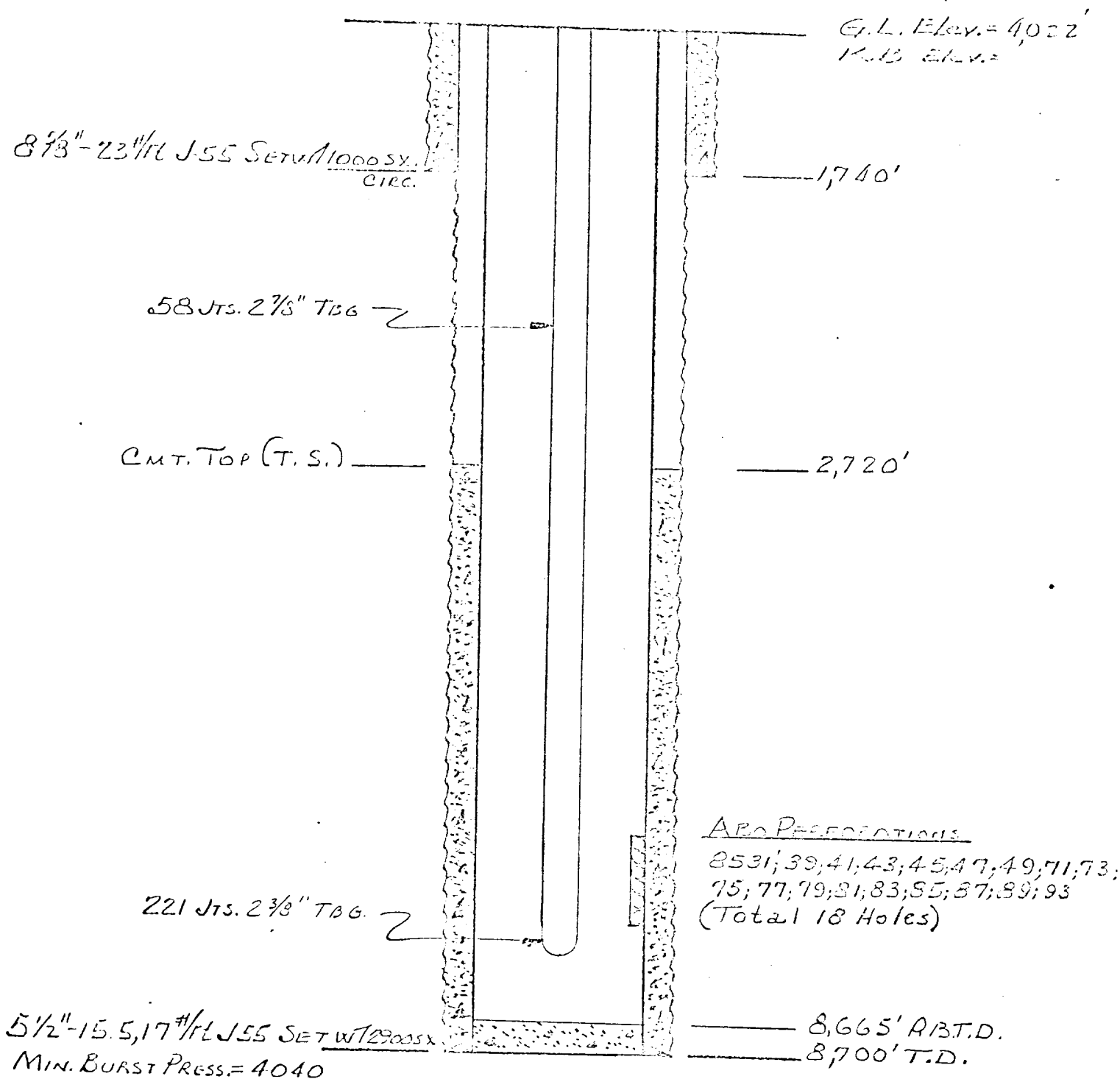
4. TROP AND CLEAN UP THE WELL UNTIL ALL THE CLEAN-OUT SOLUTION HAS BEEN REMOVED.
 5. ACIDIZE THE ARA PERFORATIONS (2,500' - 8,145') (74' AP - 20 HLES) WITH 5000 GALS OF 15% NON-IRONED SULFURIC ACID. TREAT AT 2 TO 5 GPM/MIN AND INJECT A SUFFICIENT QUANTITY OF RUBBER-CONCRETE NYLIN BALL STAMMERS TO OBTAIN A COMPLETE FILL-OUT. REPLACE THE BALL STAMMERS AND INJECT 15,000 GALS OF FRESH WATER TREATED WITH 2 GALS OF ADOMALL / 1000 GALS OF WATER.
 6. RUN 2" (OUTPRESS. THREADED COUPLING, N-30) INJECTION TUBING AND A MODEL "NB" PACKER*. LOAD THE TUBING-GASTING ANNULUS WITH FRESH WATER TREATED WITH 10 GALS OF COPTRON 2207 PER 1000 GALS OF WATER. SET THE PACKER AT APPROXIMATELY 50' ABOVE THE INJECTION INTERVAL.
 7. PUT THE WELL ON INJECTION.
- NOTE: A HIGH PRESSURE ALTERNATE GAS AND WATER INJECTION PROTECT IS PLANNED.

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

5-23-73 JN

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Form - 1/73

DII - ANNUAL Well Sp. H.
 NORTH VACUUM ARO UNIT Well No. 150
 NORTH VACUUM (VAC) Bldg.
 LEO COUNTY, New Mexico



5-1-73
 16W