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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-55

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No. <i>B-1520</i>	
7. Unit Agreement Name	
8. Farm or Lease Name <i>North Vac also Unit</i>	
9. Well No. <i>109</i>	
10. Field and Pool, or Wildcat <i>North Vac - also</i>	
12. County <i>Lea</i>	

SUNDY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL UP 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-	2. Name of Operator <i>Marl Oil Corporation</i>
3. Address of Operator <i>Box 633, Midland, Texas 79701</i>	4. Location of Well UNIT LETTER <i>N</i> <i>610</i> FEET FROM THE <i>South</i> LINE AND <i>1230</i> FEET FROM THE <i>West</i> LINE, SECTION <i>24</i> TOWNSHIP <i>17 S</i> RANGE <i>34-E</i> N.M.P.M.
15. Elevation (Show whether DF, RT, GR, etc.) <i>4116</i>	

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 ☐

PLUG AND ABANDON ☒
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

OTHER *Convert to WIU* ☒

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.

*Abandon Vac. Wolfcamp and Vac. Upper Penn
And recomplate as water injection in the
North Vac also Unit*

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 *Marathon Clerk*

DATE *5-23-73*

APPROVED BY *John W. Rangan*
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

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

Lease: ROYAL ANCHORAGE DPO UNIT Well No. 101

Field: ROYAL ANCHORAGE (LPO)

County: LEO State: NEW MEXICO

RECOMMENDED PROCEDURE:

1. MOVE IN A PILING UNIT AND ROLL THE PRODUCING EQUIPMENT.

2. RUN 2" PRODUCTION TUBING AND SET IN THE GRINDER-CON TYPE "A" DICKER AT 10,000'. CEMENT THE UPPER FEET DEEPERATIONS (10,000' - 10,100' - 10,100' - 10,200') WITH CLASS "C" NEFT CEMENT CONTAINING 0.3% OF HALHYDROGENS HELD-9. APPROXIMATELY 100 SY OF CEMENT WILL BE REQUIRED.

3. SET A CRR AT APPROXIMATELY 9,500'. CRR THE BRIDGE PLUG WITH 100' (25 SY) OF CLASS "C" NEFT CEMENT.

4. SPOT 500 GALS OF 15% AM-EMULSION, HCL ACID FROM 8,500'. DEEPERATE THE FOLLOWING INTERVALS IN THE RBO FORMATION WITH 1 JET CHASE PER PLUG:

8,444'	8,454'	8,464'	8,476'
8,445'	8,455'	8,465'	8,477'
8,446'	8,461'	8,468'	8,482'
8,452'	8,462'	8,469'	8,483'
8,453'	8,462'	8,475'	8,481'

TOTALS - 40' OF - 20 HOURS

REMARKS: WORK SELECTED FROM SUMMARY SHEET LOG DATED 4-12-66.

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

Lease: NORTH UNCOMB (P&H) Well No. 109

Field: NORTH UNCOMB (P&H)

County: LEA State: NEW MEXICO

RECOMMENDED PROCEDURE:

5. TREAT THE P&H PERFORATIONS (8427'-9450'-57'OP - 41 HRS) WITH 1000 GALS OF THE FOLLOWING CLEAN-OUT SOLUTION:

A. 800 GALS OF XYLENE BATHING,

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

C. 2 GALS OF DENSOL (10 GALS OF DENSOL/1000 GALS OF HCL).

NOTE: BLEND THE DENSOL WITH THE ACID PRIOR TO MIXING THE ACID AND XYLENE BATHING.

DISPLACE 700 GALS OF THE CLEAN-OUT SOLUTION INTO THE FORMATION AND ALLOW THE REMAINING 300 GALS TO SOAK THE FORMATION FOR 24 HRS.

6. SURE RAD CLEAN UP THE WELL UNTIL ALL THE CLEAN-OUT SOLUTION HAS BEEN REMOVED.

7. ACIDIZE THE P&H PERFORATIONS (8427'-9450') (57'OP - 41 HRS) WITH 5000 GALS OF 15% PERFORMER, HCL ACID. TREAT AT 2 TO 5 PPM/INCH AND USE A SUFFICIENT QUANTITY OF RUPPED-COVERED NYLON BALL SEALERS TO OBTAIN A COMPLETE BALL-OUT. APPROXIMATELY 55 BALL SEALERS WILL BE REQUIRED. REFURGE THE BALL SEALERS AND INJECT 1500 GALS OF FRESH WATER TREAT WITH 2 GALS OF BAYBALL PER 1000 GALS OF WATER.

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

Lease: NORTH CANTON 100 AC Well No. 100
Field: NORTH CANTON 100 AC
County: LER State: NEW MEXICO

RECOMMENDED PROCEDURE:

8. RUN 2" (BUTTRESS THREADED TUBING 11-21 TPI) INTERIOR
TUBING AND A SMALL "NB" PACKER. LOAD THE TUBING-
CAGING HANGING WITH BRISTLE BRUSHES TREATED WITH 10
GALS OF COCAINE 50% 100 GALS OF WATER. SET THE
PACKER APPROXIMATELY 50' ABOVE THE INTENTION INTERVAL.

9. PUT THE WELL ON INTENTION.

NOTE: A HIGH PRESSURE ALTHRODATE GAS AND WATER
INJECTION PROPORTION IS REQUIRED.

* REFER TO ATTACHED SKETCH FOR REQUIRED HOOD-UP DETAILS.

4-15-73 JAV

Oper. Engr.
Form - 1/73

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Due to the North Star
North Star Drilling Co. No. 102
North Star Drilling Co.
Los Angeles, California

G.L. SURF = 4,016'
 K.S. SURF =

13 3/8" - 42 1/2' L.H. 40 SET W/ 135 SSX
 CIRC.

365'

C.M.T. TOP
 (TEMP. SURVEY)

1,500'

9 3/8" - 36,40' / L. SET W/ 126 SSX

4,890'

4,980'

C.M.T. TOP (TEMP. SURVEY)
 6043-6105'

2 3/8" GST TBG

ABO PERFS

8427'-8466'-39' CA - 21 HOLES

TRIPLE ANCHOR

8,500'

2 3/8" GST N-80 TBG

GUID. DIAL RDC - 2 PKP.
 (RETRIEVABLE)

9,500'

2 3/8" CS HYDRIL

(TUBING PERFS 9,995'-10,000' - 12 HOLES)

MECH. S. N. 9920'

WOLF CAMP PERFS

9,532'-10,049' - 40 HOLES

GUIDE TYPE "A" PKP.

10,100'

(PERFS 10,117'-10,168' SET W/ 115 SSX)

UPPER PENN PERFS

10,114'-10,124' - 12 HOLES

7" - 23 1/2' L.S. 95 SET W/ 112 SSX.
 MIN. BURST PRESS = 3830

10,129' R.B.T.D.

10,366'

4-16-73
 L.E.W.

12,470' T.D.

Recommended Typical Packer Hook-up for Injection Wells North Vacuum Abo Unit

Cost

Packer	\$ 607
Seal Assembly	328
"B" Guide	110
Coupling	17
5' sub	35
Seating Nipple	239
Flow tube	35

Sub Total \$1,361

Tax 68

Misc. & Handling 171

Total \$1,600 For 5 1/2" Casing
\$1,550 For 4 1/2" Casing
\$1,700 For 7" Casing
\$1,750 For 7 1/2" Casing

