

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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 KILL OR TO SHUT IN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT TO KILL OR TO SHUT IN OR TO PLUG BACK" FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name
2. Name of Operator <i>Midland Corporation</i>	8. Farm or Lease Name <i>North Vacabo Unit</i>
3. Address of Operator <i>Box 633, Midland Texas 79701</i>	9. Well No. <i>212</i>
4. Location of Well UNIT LETTER <i>P</i> <i>795</i> FEET FROM THE <i>South</i> LINE AND <i>795</i> FEET FROM THE <i>East</i> LINE, SECTION <i>24</i> TOWNSHIP <i>17 S</i> RANGE <i>34 E</i> E.M.P.M.	10. Field and Pool, or Wildcat <i>North Vacabo</i>
11. Elevation (Show whether DE, RT, GR, etc.) <i>4013 GR</i>	12. County <i>Lea</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 FLUFS ☐

OTHER *Consent to WIW* ☒

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.

Consent 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 C. 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 URGENT ABO UNIT Well No. 212
Field: NORTH URGENT (ABO)
County: LEA State: NEW MEXICO

RECOMMENDED PROCEDURE:

1. MUOVE IN A PULLING UNIT AND RILL THE PRODUCING EQUIPMENT

2. SET A CEMENT TAP PLUG AT APPROXIMATELY 2,675'. SET
A CEMENT RETAINER AT 8,586' AND SQUEEZE THE ABO PER-
FORATIONS (8,594' - 8,640') (4 HOLES - 4 HOLES) WITH 150 SY OF CLASS
C NEXT CEMENT. ALLOW THE CEMENT TO SET 24 HRS.

3. SPOT 500 GALS OF 15% HYDROLYSIS, HCL ACID IN THE BOTTOM
OF THE WELL AND PERFORATE THE FOLLOWING INTERVALS IN THE
ABO FORMATION WITH 1 JET SHOT PER PLUG:

8,501'	8,504'	8,535'	8,540'	8,548'	8,555'	8,559'
8,502'	8,505'	8,538'	8,541'	8,549'	8,557'	8,572'
8,503'	8,528'	8,539'	8,547'	8,550'	8,552'	TOTAL - 71' OR - 20 HOLES

PERFORATIONS WERE SELECTED FROM PLAC'S SONIC LOG DATED 3-17-62.
(MIN. CORRELATION - COLLAR LOG WILL BE REQUIRED.)

4. TREAT THE ABO PERFORATIONS (8,479' - 8,579') (100' OR - 38 HOLES)
WITH 1,000 GALS OF THE FOLLOWING CLEANOUT SOLUTION:

A. 800 GALS OF XYLENE BOTANIS,

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 FIRST TO MIXING THE ACID & XYLENE BOTANIS
DISPLACE 800 GALS OF THE CLEANOUT SOLUTION INTO THE FORMATION AND ALLOW

5-17-73 JW

Oper. Engr.
Form - 1/73

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

Lease: NORTH UNCLINCH APO UNIT Well No. 212
Field: NORTH UNCLINCH (APO)
County: LEA State: NEW MEXICO

RECOMMENDED PROCEDURE:

THE FOLLOWING 200 GALS. TO SOAK THE FORMATION FIVE FOR 24 HRS.

5. SURF AND CLEAN UP THE WELL UNTIL ALL THE
CLEANOUT SOLUTION HAS BEEN REMOVED.

6. FILL THE RED PERFORATIONS (8,400' - 8,500') (125' OR - 38 HOLES)
WITH 5000 GALS OF 15% NON-FERROUS, IRON-STABILIZED, HCL
ACID. TREAT AT 2 TO 5 PPM AND INJECT A SUFFICIENT
QUANTITY OF PUMPER-COUPLED NYLON BALL SEALERS TO OBTAIN
A COMPLETE BALL-OUT. APPROXIMATELY 70 BALL SEALERS WILL
BE REQUIRED. RELEASE THE BALL SEALERS AND INJECT 15000 G.
OF FRESH WATER TREATED WITH 2 GALS. OF BLANDED / 1000 GALS. OF WATER

7. RUN 2" (BUTTERFLY THREAD COUPLING, N-80) INJECTION TUBING AND
A MODEL "NB" PACKER. * LOAD THE TUBING-COUPLING ANNULUS
WITH FRESH WATER TREATED WITH 10 GALS. OF CORROS 2207 AT
1000 GALS. OF WATER. SET THE PACKER APPROXIMATELY 50'
ABOVE THE INJECTION INTERVAL.

8. PUT THE WELL ON INJECTION. NOTE: A HIGH PRESSURE
ALTERNATE GDS AND WATER INJECTION PROJECT IS PLANNED.
* REFER TO ATTACHED SKETCH FOR PACKER HOOK-UP DETAILS.

5-17-73 JW
Oper. Engr.
Form - 1/73

Page 2 of 2,

DIAG. ANIMATIC WELL SKETCH
NORTH VACUUM FILL UNIT Well No. 212
NORTH Vacuum (DEO) Pool
LEA COUNTY, NEW MEXICO

GL ELEV = 3,997'
 DF ELEV = 4,013'

13 3/8" - 48 #/ft. H-40 Set w/ 400 s.x.
 Min. Burst Press. = 1730 Circ.

353'

Cement Top
 (Temp Survey)

590'

Liner Top

4,708'

9 5/8" - 36,40 #/ft. J-55 Set w/ 1240 s.x.
 Min. Burst Press. = 3520

5,016'

Paddock Perfs (Sazd. w/ 130 s.x.)
 6,116' - 6,144' - 12 Holes

Abo Perforations
 8,479' - 8,640' - 161' OA - 22 Holes

2 1/2" Tubing

8,716'

C.I.B.P.

8,730'

C.I.B.P.

9,483'

9,400'

Wolfcamp Perforations
 9,967' - 9,983' - 9 Holes

7" - 26 #/ft J-55 N-80 29 #/ft. N-80
 Set w/ 1350 s.x. circ.
 Min. Burst Press. = 4,980

10,072'

10,200' T.D.

4-16-73
 LEW

(SHELL OIL Co. STATE "C" No. 2)