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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. <i>B-1520</i>
7. Unit Agreement Name
8. Form or Lease Name <i>Bridges State</i>
9. Well No. <i>20</i>
13. Field and Pool, or Wildcat <i>Vac - G - A.A.</i>
12. County <i>Lea</i>

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 <i>WFW</i>
2. Name of Operator <i>Mahle Oil Corporation</i>
3. Address of Operator <i>Box 633, Midland, Texas 79701</i>
4. Location of Well UNIT LETTER <i>E</i> <i>660</i> FEET FROM THE <i>West</i> LINE AND <i>1980</i> FEET FROM THE <i>Trux</i> LINE, SECTION <i>24</i> TOWNSHIP <i>17-2</i> RANGE <i>34-E</i> NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) <i>4029 GR</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 ☐	CASING TEST AND CEMENT JOB ☐	

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.

Set a liner, perforate and acidize to improve the injection profile as per attached recommendation

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

SIGNED Original Signed by: <i>(Mrs.) Christine O. Tucker</i>	TITLE <i>Production Clerk</i>	DATE <i>9-12-73</i>
APPROVED BY	TITLE	DATE

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

Lease: BRIDGES STATE Well No. 20

Field: UNCULIN (GRRK - S.H.)

County: LIN State: NEW MEXICO

RECOMMENDED PROCEDURE:

1. MAKE UP A PILING UNIT AND PULL THE JOINTHOOD EQUIPMENT

2. RUN A 5", 13.0 LB/FT, K-55, FLUSH JOINT LINER FROM
APPROXIMATELY 4,150' TO T.D. OF 4,190'. CEMENT WITH
CLASS C. NEAT CEMENT (14.8 LBS/GAL) SLURRY CONTAINING
0.2% GEP-2 (HALLIBURTON'S FRICTION REDUCING AGENT),
CEMENT AT APPROXIMATELY 5 BBL/MIN. APPROXIMATELY 100
SK OF NEAT CEMENT WILL BE REQUIRED. USE A PACK-OFF
TYPE LINER-HANGER IN SETTING THE LINER.

3. DRILL OUT PLUGS AND CEMENT TO P.B.T.D. OF 4,670'
AFTER 24 HRS. WAIT.

4. RUN A GAMMA RAY-COMPENSATED NEUTRON-COLLAR LOG FROM
P.B.T.D. OF 4,670' THROUGH THE MINIMUM LOGGING INTERVAL.

5. SPOT 200 GALS OF 15% NON-EMULSION, IRON-STABILIZED,
HCl ACID IN THE BOTTOM OF THE HOLE AND PERFORM THE
THE SPUR ANDRICK FORMATION WITH 1 JET SHOT PER

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

Lease: BRIDGES STATE Well No. 20
Field: URCUM (GRACE - E.A.)
County: LFA State: NEW MEXICO

RECOMMENDED PROCEDURE:

PLAN: IS DIRECTED BY THE GEOLOGIST (ULTIMATE RESPONSIBILITY EXT.)

6. TREAT THE SAN ANDRES PERFORATIONS WITH 1,000 GALS
OF THE FOLLOWING CLEAN-OUT SOLUTION:

A. 800 GALS OF XYLENE SOLUTION,

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

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

NOTE: BLEND THE ADDFORM INTO THE ACID PRIOR TO MIXING
THE ACID AND XYLENE SOLUTIONS.

DISPLACE 200 GALS OF THE CLEAN-OUT SOLUTION INTO
THE FORMATION ALLOWING THE REMAINING 200 GALS TO
SORP THE FORMATION FOR 24 HRS.

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

8. ACIDIFY THE SAN ANDRES PERFORATIONS WITH 1,000
GALS OF 15% NON-EMULSION, IRON-STABILIZED, HCL ACID
TREAT AT 3 TO 5 PPM AND INJECT A SUFFICIENT
QUANTITY OF RUBBER-COVERED NYLON BALL SEALERS TO
OBTAIN A COMPLETE BALL-OUT. APPROXIMATELY 45 BALL
SEALERS WILL BE REQUIRED. RELEASE THE BALL SEALERS

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

Lease: BRIDGES STATE Well No. 30
Field: UACUM (GREG - S.R.)
County: LFA State: NEW MEXICO

RECOMMENDED PROCEDURE:

RAND INJECT 7,500 GALS OF FRESH WATER TREATED
WITH 2 GALS OF FERRIC PER 1,000 GALS OF WATER.

9. LIFTOUT AND RUN THE 2 1/2" CEMENT LINED INJECTION
TUBING (PER THE ATTACHED RECOMMENDATIONS) AND RUN
INJECTION PACKER. LOAD THE TUBING Casing-PAVING WITH
FRESH WATER TREATED WITH 10 GALS OF FERRIC PER
1,000 GALS OF WATER. SET THE INJECTION PACKER
APPROXIMATELY 50' ABOVE THE LUMP TOP.

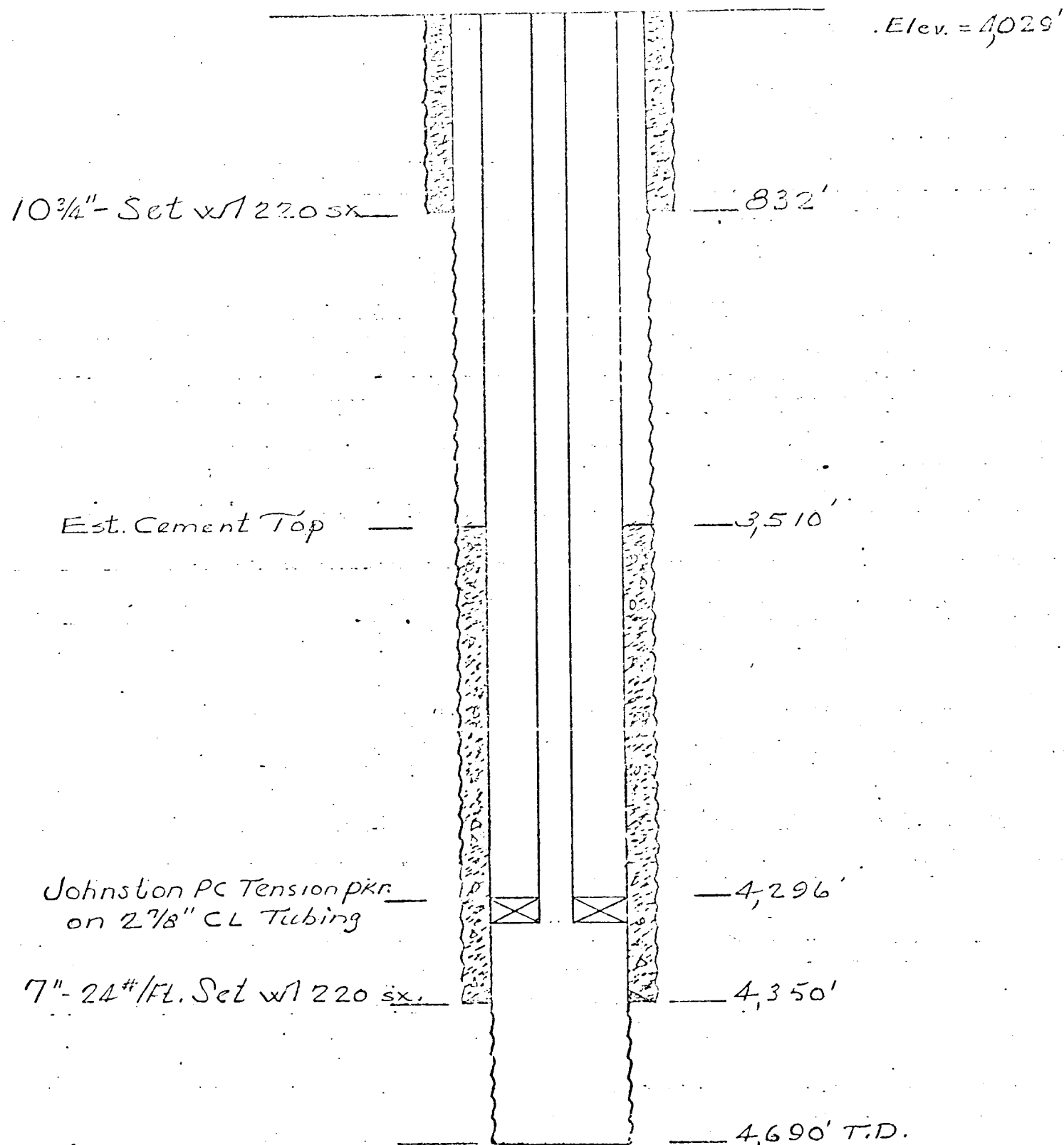
10. RETURN THE WELL TO INJECTION.

Diagrammatic Well Sketch

Bridge State Well No. 29 NW

Vacuum/Gelco-S.A. Field

Lea County, New Mexico



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