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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.
E 8-8166

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 YATES PETROLEUM CORPORATION	8. Farm or Lease Name Marathon State Gas
3. Address of Operator 399 Carper Building, Artesia, New Mexico 88210	9. Well No. 1
4. Location of Well UNIT LETTER P 990 FEET FROM THE South LINE AND 990 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 19S RANGE 26E NMPM.	10. Field and Pool, or Wildcat Atoka - Penn
15. Elevation (Show whether DF, RT, GR, etc.) 3370' KBE	12. County Eddy

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 ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

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.

See attached record of remedial work.

RECEIVED

DEC 15 1965

T. C. C.
ARTESIA, OFFICE

Carbon copy to Commissioner of Public Lands

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

SIGNED R. L. Norman TITLE Geologist DATE 12/14/65
APPROVED BY M. L. Armstrong TITLE Geologist DATE DEC 15 1965
CONDITIONS OF APPROVAL, IF ANY:

REMEDIATION WORK RECORD

- 10/15/65 - Prior to following the tubing pressure was nil and casing pressure was 1300 psig, bled off with 1 barrel of mud, and was 150 psig next day. Perforated first joint above packer or at 8827' (KBE). Perforation size slightly over $\frac{1}{4}$ ". Pumped down tubing and it took 300 psig on surface to push mud up the annulus. Circulated out mud with 162 barrels.
- 10/16/65 - Swabbed down to 3500'. Flowing back mud, gas and distillate.
- 10/17/65 - Tested for increase, no visible increase.
- 10/17/65 - Set Halliburton Straddle Packer at 8912' and 8933' (KBE). Pumped 700 gallons regular acid, with 1,000 gallons super acid and 24# of fish eggs into well, flushed with distillate. Purpose of this treatment was to clean out formation.
- 10/21/65 - Swabbed dry and making little gas. At end of treatment pressure was 2500#.
- 10/23/65 - Shut-in Pressure 400# in 16 hours. Flowing 40,000 CFDPD Testing.
- 10/24/65 - Shut-in Pressure 650 psig - Flowed at rate of 54,000 CFDPD - initially bled down to atmospheric pressure in 7 hours.
- 10/25/65 - Shut-in Pressure 650 psig, had 3 barrels of liquid in hole - mostly mud and water. Swabbed bone dry, continued swabbing, swabbed twice an hour for 5 hours, remained dry.
- 10/28/65 - Testing results as follows:
- | Time | Choke Size | Pressure | Rate |
|-------|-----------------|----------|----------|
| 9:00 | $\frac{3}{4}$ " | 775 psig | 62 MCFPD |
| 10:00 | " | 675 " | 56 " |
| 11:00 | " | 600 " | 46 " |
| 12:00 | " | 500 " | 25 " |
| 1:00 | " | 500 " | 25 " |
| 2:00 | " | 500 " | 25 " |
| 3:00 | " | 500 " | 25 " |
| 4:00 | " | 500 " | 25 " |
| 5:00 | " | 500 " | 25 " |
| 6:00 | " | 500 " | 25 " |
- 11/1/65 - Data Weight Pressure Test after 72 hours Shut In. Pressure 1678# - Flowed on $\frac{3}{4}$ " choke down to 50#.
- 11/8/65 - Pulled Straddle Packers, set drillable Baker Plug at 8940' (KBE). Tubing open end @ 8835' (73' above perforation).
- 11/11/65 - Treated with 2,000 barrels of water with 6,000# 20-40 sand.
- 11/12/65 - Flowed back 110 BW at 20 BPH wide open on 50# pressure. Fair volume of gas.
- 11/14/65 - Shut in casing pressure after 12 hours 1700#, tubing pressure 1500#. Flowed 12 hours on 1" choke, still flowing back quite a bit of water.
- 11/15/65 - Shut in casing pressure after 12 hours 1730#, tubing pressure 1600#.