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NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

| | | | | | | | |
|---|--|-----------------------------------|-------------------------|--|---------------------------|---------------------|--|
| Name of Company SUNRAY DX OIL COMPANY | | | | Address 101 University Blvd., Denver, Colorado | | | |
| Lease Central Bisti Unit | | Well No. 23 | Unit Letter H | Section 9 | Township 25N | Range 12W | |
| Date Work Performed 2-2-64 to 2-12-64 | | Pool Bisti Lower Gallup | | | County San Juan | | |

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain): **Repair Casing Leak**
- ☐ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

Pulled pump when well quit producing. Found heavy mud in casing. Set retrievable bridge plug at 4586'. Ran McCullough Corrosion log. It showed bad casing at 2630' - 2660' and 2720' - 2910' and a hole in casing at 2767'. Perforated one hole for squeeze at 2918'. Set Baker retrievable retainer at 2968' and pressured below to 2000 PSI - O.K. Checked holes with retainer at 2907' and 2767'. Set retainer at 2483' and pumped 300 sacks 50-50 Pozmix and 50 sacks regular cement with 0.9 gal. Latex per sack. Final pressure 1400 PSI. Temperature survey showed top of cement behind casing at 2560'. Drilled out cement and pressured up - still had leak at 2918'. Squeezed with 150 sacks regular cement with Latex in last 50 sacks to max. pressure of 3000 PSI. Reversed 15 sacks. W.O.C. Drilled out cement, pressured to 2000 PSI for 30 minutes - O.K. Pulled bridge plug and washed down to T.D. Treated perforations with 250 gallons mud acid. Returned well to production.

| | | |
|-----------------------------------|-------------------------------------|---|
| Witnessed by W. T. Long | Position Drilling Foreman | Company SUNRAY DX OIL COMPANY |
|-----------------------------------|-------------------------------------|---|

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

| ORIGINAL WELL DATA | | | | |
|------------------------|--------------|------------------------|--------------------|-----------------|
| D F Elev. | T D | P B T D | Producing Interval | Completion Date |
| Tubing Diameter | Tubing Depth | Oil String Diameter | Oil String Depth | |
| Perforated Interval(s) | | | | |
| Open Hole Interval | | Producing Formation(s) | | |

RESULTS OF WORKOVER

| Test | Date of Test | Oil Production BPD | Gas Production MCFPD | Water Production BPD | GOR Cubic feet/Bbl | Gas Well Potential MCFPD |
|-----------------|----------------|--------------------|----------------------|----------------------|--------------------|--------------------------|
| Before Workover | 1-23-64 | 38 | 6 | 58 | 155 | |
| After Workover | 2-13-64 | 23 | | 169 | | |

OIL CONSERVATION COMMISSION

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

| | |
|--------------------------------------|---|
| Approved by <i>[Signature]</i> | Name <i>[Signature]</i> |
| Title Supervisor Dist. # 3 | Position D. E. Hall |
| Date 2-28-64 | Company District Engineer |
| | Company SUNRAY DX OIL COMPANY |