

ALL WORK RECOMMENDATIONS

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

Lease: LANGLIE MATTIX QUEEN UNIT Well No. 25
Field: LANGLIE MATTIX (QUEEN)
County: LEA State: NEW MEXICO

RECOMMENDED PROCEDURE:

1. RUN WELL ANALYSIS CO. INC.'S (WACO) RADIOACTIVE SURVEY TO DETERMINE CURRENT INJECTION DISTRIBUTION.
2. PULL THE INJECTION EQUIPMENT.
3. CLEAN THE WELL OUT TO T.D. (3510').
4. RUN TUBING TO A SQUEEZE DEPTH OF 3380'. SQUEEZE INTERVAL WILL BE 3380' TO 3510' - 130'.
5. INJECT RADIOACTIVE TAGGED WATER DOWN THE TUBING-CASING ANNULUS AND HALLIBURTON'S INJECTROL L DOWN THE TUBING. INJECT 120 BBL'S OF INJECTROL L OVER THE INTERVAL TO BE PLUGGED. SHUT THE WELL IN FOR 2 HRS. INJECT 50 BBL'S OF INJECTROL L OVER THE INTERVAL TO BE PLUGGED.
6. SHUT THE WELL IN FOR 24 HRS.
7. CLEAN OUT TO T.D. 3510'.

(cont.)

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RECOMMENDED PROCEDURE:

8. Plug the well back to 3380' with sand and a
10' HYDROMITE CAP.

9. Run 2" CEMENT LINED TUBING AND INJECTION PACKER
SET THE PACKER AT 3150'. LOAD THE TUBING-CASING
ANNULUS WITH FRESH WATER TREATED WITH 10 GALS
of CORTON 2207 PER 1000 GALS of WATER.

10. PUT THE WELL ON INJECTION.

NOTE: THIS WORKOVER HAS BEEN DISCUSSED WITH WACO
AND HALL-CORTON AND BOTH COMPANIES ARE THOROUGHLY
FAMILIAR WITH THE PROCEDURES TO BE EMPLOYED.