

**MUDGE LS 16**  
**CONVERSION TO SALTWATER DISPOSAL**  
**REMEDIAL CEMENTING, CONT. AND PERF. OF MORRISON**

5/17/91 FORWARD

SET RBP AT 7372'

PUMP 42 SX CLASS G CEMENT (BALANCED PLUG FROM 7372' - 7002'). TOH REVERSED OUT. PRESSURE TESTED TO 1000 PSI. HELD

SET RBP AT 4248'. PUMPED 7.25 SX CLASS G (BALANCED PLUG FROM 4248' - 4184'). REVERSED OUT. PRESSURE TESTED TO 1050 PSI. HELD.

DRILL CEMENT PLUG 6'. FELL FREE TO 2210'. PRESSURE TESTED TO 1000 PSI. BLED OFF 210 PSI IN 15 MIN. TAGGED CEMENT AT 7049'. SET PACKER AT 4250'. PRESSURE TESTED CASING TO CEMENT PLUG TOP AT 7049' TO 1000 PSI. HELD.

RESET PACKER AT 4218'. PRESSURE TESTED TO 1000 PSI. BLED OFF AND HELD AT 940 PSI. RESET PACKER AT 4187'. PRESSURE TESTED TO 1010 PSI. HELD. PRESSURE TESTED ANNULUS TO 1000 PSI. HELD.

TAGGED CEMENT AT 7049'. DRILL TO 7386'. PRESSURE TEST CASING TO 1015 PSI. HELD. RAN CBL/GR/CCL FROM 7390' TO SURFACE. ESTIMATE CEMENT TOP AT 800'.

RAN GR/CCL FROM 7586' - 7000'.

**PERFORATE MORRISON FORMATION:**

7520' - 7570'

7484' - 7542' W/4 JSPF .54 IN. DIAM., OPEN

7428' - 7456'

6/29/91. RAN STEP RATE TEST - WITNESSED BY NMOCD.