

WORK OVER PROCEDURE

WELLNAME: **McPhearson #2**

API # 05-123-05180

Location: 660' FNL1980 FEL NWNE 19 5N 61W 6th PM

SPUD DATE: 10/26/1956

SURFACE CASING SIZE: 10.75", Wt, Grade, 89', 12.25" hole

SURFACE CEMENT: Cemented to surface w/ 150 sx.

TD: 6744

AQUIFER DEPTH: No Fox Hills, Depth to water in 1 mile radius

ORIGINAL PLUGGING PROCEDURE: TD(6709),Sand(TD-6662), 5sx cmt(6662-6631),pulled csg(5800-0),mud(6631-89),mud(53-18),5 sx cmt surf plug

FORMATIONS: As found in well: W Riverside 20-1, API 05-123

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| Parkman | 3197 ' |
| Niobrara | 6086 ' |
| Carlisle | 6258 ' |
| D Sand | 6638 ' |
| J Sand | 6700 ' |

REPLUGGING PROCEDURE:

- 1) LOCATE WELL
- 2) DIG OUT CASING WITH BACKHOE & INSPECT CASING PLATE, RESERVE TOPSOIL FOR RECLAMATION
- 3) IF SEALED, HOT TAP CASING TO CHECK FOR PRESSURE
- 4) CUT-OFF PLATE, TRIM UP CASING FOR BELL NIPPLE FOR BOPE
- 5) MIRU WORKOVER RIG, PUMP AND TANK. NU BOPE W/ ROTATING HEAD, RIG UP POWER SWIVEL
- 6) PU 6 1/8" BIT, SUB, DC ON TUBING
- 7) DRILL OUT SURFACE CEMENT, IF ANY AND PLUG AT BASE SURFACE WITH WATER
- 8) WASH HOLE DOWN TO 3500', WITH WATER/POLYMER AS NEEDED
- 9) CIRCULATE AND CLEAN UP HOLE
- 10) SPOT 200 SX CEMENT PLUG (590 ft) @3400', PULL TUBING TO 2800'. REVERSE OUT TUBING AND CLEAN UP EXCESS CEMENT
- 11) SHUTDOWN OVERNIGHT
- 12) TIH & TAG CEMENT PLUG, RECORD TAG
- 13) TOO H WITH BIT TO 700'. LAY DOWN TUBING ON TOO H
- 14) PUMP 235 SX CEMENT PLUG @ 700' TO SURFACE. PULL TUBING OUT OF HOLE.
- 15) ND BOPE. CUT OFF BELL NIPPLE & CASING TO 4' BELOW GROUND LEVEL. FILL TOP OF CASING WITH READY MIX
- 16) WELD ON PLATE. OPERATOR NAME, API NO., LOCATION
- 17) FILL SURFACE HOLE, MAKING SURE TO REPLACE TOP SOIL LAST
- 18) RIG DOWN AND MOVE OUT ALL EQUIPMENT