

WORK OVER PROCEDURE

WELLNAME:	Furrow #1
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API # 05-123-05181

Location: SWSW 18 5N 61W 6th 660' FSL Lat: 40.395477
660' FWL Long: -104.259345

SPUD DATE: 5/28/1956

SURFACE CASING SIZE: 10 3/4"

SURFACE CASING DEPTH: 106'

AQUIFER DEPTH: 31'

ORIGINAL COMPLETION: SURFACE HOLE DRILLED, 10 3/4" CASING SET AT 106" AND CEMENTED WITH 150 SACKS
8 3/4" hole drilled to 6597', 7 7/8" hole drilled to 6816'.

TD: 6816'

Formations:	Parkman	3214'
Framtions:	Niobrara	5914'
	Ft Hays	6208'
	D Sand	6602'
	J Sand	6667'

ORIGINAL PLUGGING PROCEDURE: **NO PLUGGING RECORDS AVAILABLE ON COGCC WEBSITE**

? SX CEMENT IN OPEN HOLE ACROSS J SAND, 6600-6700'?

20 SX CEMENT IN BOTTOM OF SURFACE PIPE, 106'?

10 SX IN TOP SURFACE PIPE?

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 7-7/8" BIT, SUB, DC ON TUBING
- 7) DRILL OUT SURFACE CEMENT, PLUG AT BASE SURFACE @ 106', WITH WATER
- 8) WASH HOLE DOWN TO 3300', WITH WATER/POLYMER AS NEEDED
- 9) CIRCULATE AND CLEAN UP HOLE
- 10) SPOT 200 SX CEMENT PLUG (500 ft) @ 3200', PULL TUBING TO 2600'. REVERSE OUT TUBING AND CLEAN UP EXCESS C
- 11) SHUTDOWN OVERNIGHT
- 12) TIH & TAG CEMENT PLUG, RECORD TAG. CIRCULATE MUD TO SURFACE.
- 13) TOOH WITH BIT TO 400'. LAY DOWN TUBING ON TOOH
- 14) PUMP 200 SX CEMENT PLUG @ 400' 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

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