

WORK OVER PROCEDURE

WELLNAME: **Pronghorn 31-17**
 API #: 05-123-22765
 Location: 660 FNL1990 FEL NWNE 17 5N 61W 6th PM
 SPUD DATE: 5/6/2005
 SURFACE CASING SIZE: 8.625", 24#/ft Wt, Grade, 362', 12.25" hole
 SURFACE CEMENT: Cemented to surface w/ 140 sxs
 TD: 6850
 AQUIFER DEPTH: N/A -- Outcrop, Depth to water in 1 mile radius
 ORIGINAL COMPLETION: Completed in D Sand originally in June 2005. Later completed in Niobrara (12/2005). Also tested J Sand but was plugged back.

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| FORMATIONS: | As found in well: | Pronghorn 31-17 |
| | Niobrara | 5946 |
| | Fort Hayes | 6200 |
| | Codeil | 6254 |
| | D Sand | 6651 |
| | J Sand | 6724 |

- REPLUGGING PROCEDURE:
- 1) MIRU ON LOCATION. ND WH, NU BOP, RU WORK FLOOR, CONTROL WELL, TOO H WITH 2 3/8TH" TBG
 - 2) MIRU WIRELINE, TIH W/CIBP & CCL. SET CIBP 800'. RDMO WIRELINE
 - 3) REMOVE CSG SLIPS AND DETERMINE CSG STRETCH
 - 4) MIRU WIRELINE. SET CSG IN TENSION, TIH WITH JET CUTTER AND CUT CSG AT 700'
 - 5) TOO H W/CUT 4 1/2" CSG. LAY DOWN CSG
 - 6) TIH WITH 2 3/8THS TBG AND TAG CASING STUB. STING INSIDE CSG 75'.
 - 7) MIRU CEMENTERS. ESTABLISH CIRCULATION, PUMP 375 SXS CEMENT TO SURFACE. TOO H, LAY DOWN TBG
 - 8) ND BOP. CUT OFF BELL NIPPLE & CASING TO 4' BELOW GROUND LEVEL. FILL TOP OF CASING WITH READY MIX AS NEEDED
 - 9) WELD ON PLATE. OPERATOR NAME, API NO., LOCATION
 - 10) FILL SURFACE HOLE, MAKING SURE TO REPLACE TOP SOIL LAST
 - 11) RIG DOWN AND MOVE OUT ALL EQUIPMENT