



PLUG AND ABANDON PROCEDURE

05/17/95

API # 05-017-6483
Permit #: 841459

PMS # 11640
List 10 #:
Account #: 5435

#21 McCormick 31-3
NWNE Sec 3-T14S-R49W
East Sorrento Field
Cheyenne County, Colorado

Well Information:

UPRC WI: 100.0000%

RI: 97.5000%

Formation: Morrow

TD: 5714 '

PBTD: 5690 '

KBM: 4469 '

GL: 4461 '

Surface Csg String: 9 5/8", 40# J55, STC @ 335' with 250 sx Float Collar 5669 '

Production Csg. String: 5 1/2", 15.5 # & 17#, J & K-55 @ 5712 with 300 sx.

TOC @: 4176 ' Basi CBL-VDL-W/GR

EOC @: '

Current Perforations: 5658-66
5508-11 Squeezed

Top of Dakota: 1831'
Top of Cheyenne: 2156'
Top of Day Creek: 2702'
Top of Blaine: 2913'

CIBP @ 5584.5' with 2 sacks cmt on top
Did not pressure test

Procedure:

- 1.) TIH and perforate 1 foot w/4 jsfp @ 2700'. RD wire line unit.
- 2.) Establish Injection rate into perforations via casing. Mix and pump 100 sack plug. (Leave minimum of 100' cement inside production casing.
- 3.) Set 5 sack plug in top of production casing. Set 5 sack plug in top of surface casing. Cut casing off minimum 5" below ground level and cap with steel plate.
- 4.) Reclaim location to as near original condition as possible.

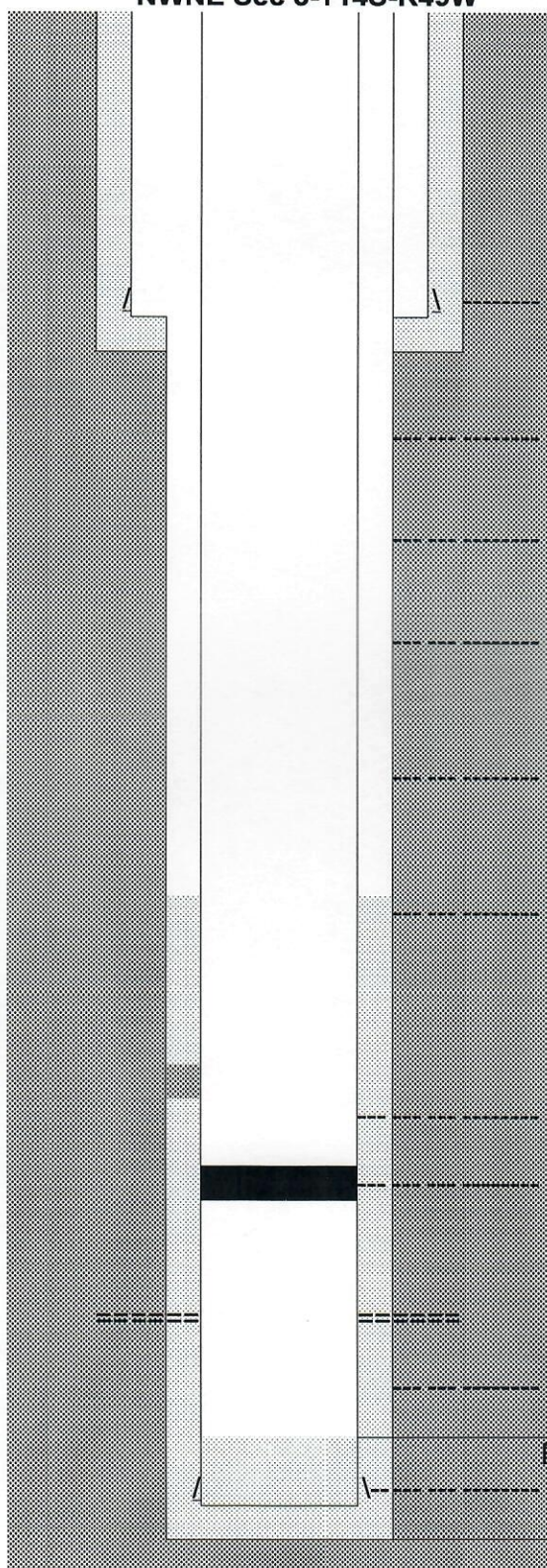
****NOTE**** If bradenhead (surface casing) has any pressure or gas flow rate, perforate 50' below surface casing and squeeze with 100 sacks. (Leave 100' inside casing).
THIS MUST BE DONE BEFORE STEP 5.

#21 McCormick 31-3
East Sorrento Field

12/06/84 Perf Morrow 5508-5511 4 jspf
12/12/84 BHP 728#
12/16/84 Ran rods, pump
01/06/85 Squeezed perfs w/ 1.5 bbl cmt; drill out
01/09/85 Perf Morrow 5508-10 4 jspf
01/11/85 Reperf Morrow 5508-10 4 jspf
01/12/85 Acidize
10/28/86 Perforate Morrow 5510-14 4 jspf
11/07/86 Squeeze Perfs; drill out
11/13/86 Perf lower Morrow Lime 5658-66 4 jspf; acidize
11/20/86 SI & TA

EXISTING WELL BORE SCHEMETIC

#21 McCormick 31-3
NWNE Sec 3-T14S-R49W



Surface Casing: 9 5/8", 40# J55, STC @ 335' with 250 sx

Dakota Top: 1831' '

Cheyenne Top: 2156' '

Day Creek Top: 2702' '

Blaine Top: 2913' '

Cement Top: 4176' '

Squeezed perfs 5508-5514

CIBP @ 5584.5' with 2 sacks cmt. on top

Formation: **Morrow**

Perforations: 5658-66' '

Prod. Csg.: 5 1/2", 15.5 # & 17#, J & K-55 @ 5712 wit

FLOAT COLLAR: 5669' '

EOC : 0' '

TD : 5714' '

PROPOSED PLUGGING SCHEMATIC

#21 McCormick 31-3
NWNE Sec 3-T14S-R49W

