

NMOC

February 23, 1994

CONOCO INC

Johns #1 (MV)
NE, Sec. 18, T32N, R11W
San Juan County, New Mexico

PLUG AND ABANDONMENT PROCEDURE:

*(All cement volumes use 100% excess outside pipe an 50' inside;
mud will be 8.4 ppg with a 40 sec vis.)*

1. Install and/or test rig anchors. Prepare blow pit. Comply to all NMOC, BLM and Conoco safety rules and regulations.
2. MOL and RUSU. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP. POH and tally 2-3/8" EUE tubing (5185').
3. **Plug #1 (MV perfs):** PU 7" cement retainer and RIH; set at 5000'; pressure test tubing to 1000#; establish rate into perfs. Mix 77 sxs Class B cement and squeeze below retainer into open hole; sting out of retainer a and load well with water; circulate clean then pressure test casing to 500#.
4. **Plug #2 (MV top):** With tubing above retainer mix 22 sxs Class B cement and spot balance plug from 5000' to 4938'. Pull above cement and spot mud to 3328'. POH with setting tool.
6. **Plug #3 (PC top & Ft outside):** Perforate 4 holes at 3328'. Establish rate into holes if casing tested. PU 7" cement retainer and RIH; set at 3280'; establish rate into holes. Mix 177 sxs Class B cement and squeeze 158 sxs outside casing to cover Ft top at 2757'; then leave 29 sxs inside casing from 3328' to 3128'. POH to 2807'.
7. **Plug #4 (Ft top):** Mix 29 sxs Class B cement and spot a balance plug from 2807' to 2707' inside casing. POH above cement; mix and spot mud to 2190'. POH with setting tool.
8. **Plug #5 (Kt & OA tops):** Perforate 4 holes at 2190'. Establish rate into holes if casing tested. PU 7" cement retainer and RIH; set at 2140'; establish rate into holes. Mix 148 sxs Class B cement and squeeze 79 sxs outside casing to cover OA top at 1930'; then leave 69 sxs inside casing from 2190' to 1880'. POH above cement; mix and spot mud to 263'. POH with setting tool and tubing.
9. **Plug #6 (Surface):** Perforate 2 holes at 262'. Establish circulation out bradenhead valve. Mix approximately 120 sxs Class B cement and pump down 7" casing, circulate good cement to surface. Shut in well and WOC.
10. ND BOP and cut off well head below surface casing flange and install P&A marker to BLM specs. RD and MOL. Cut off anchors.
11. Restore location per BLM stipulations.

EXISTING WELL

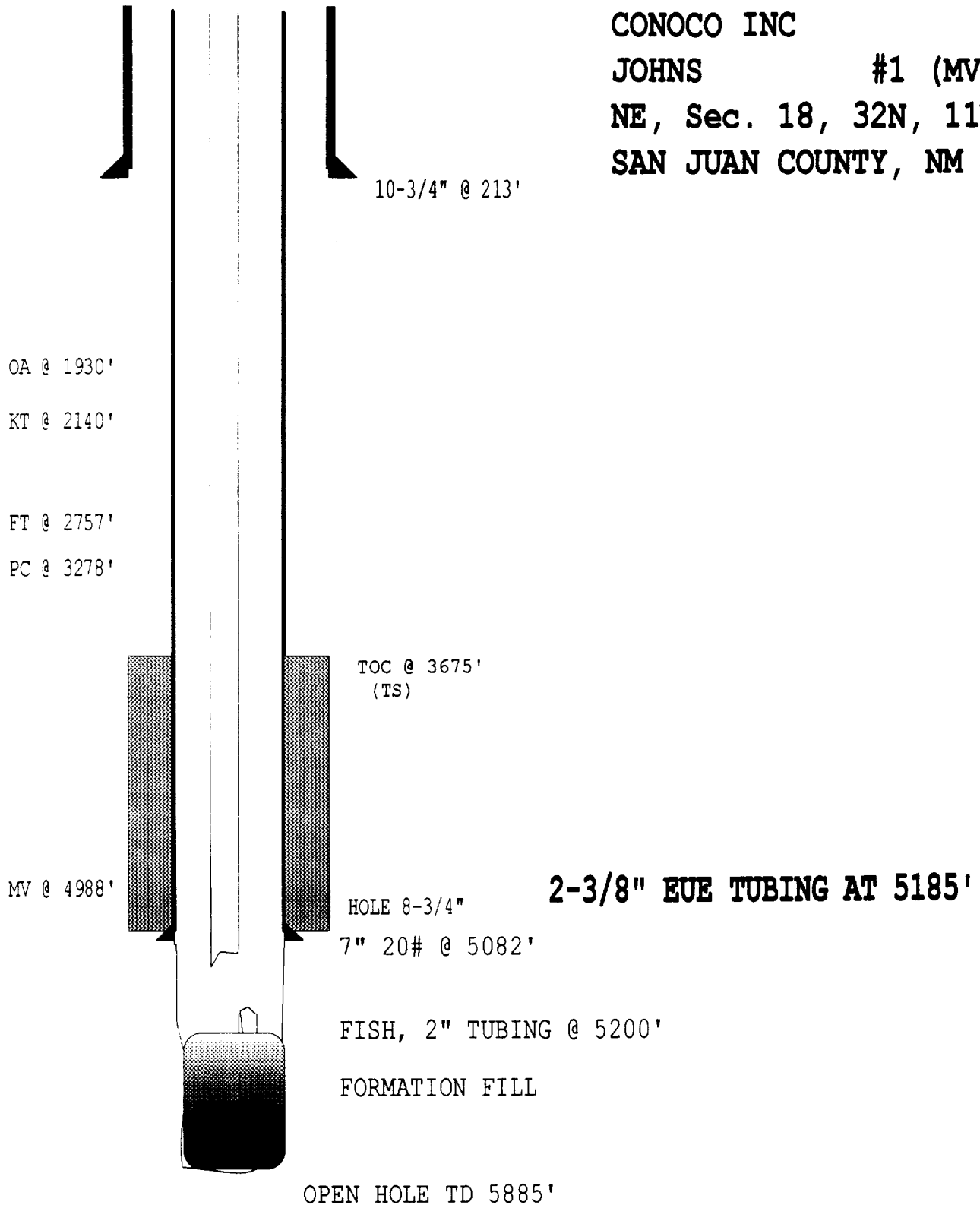
23 FEB 94

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NE, Sec. 18, 32N, 11W

SAN JUAN COUNTY, NM

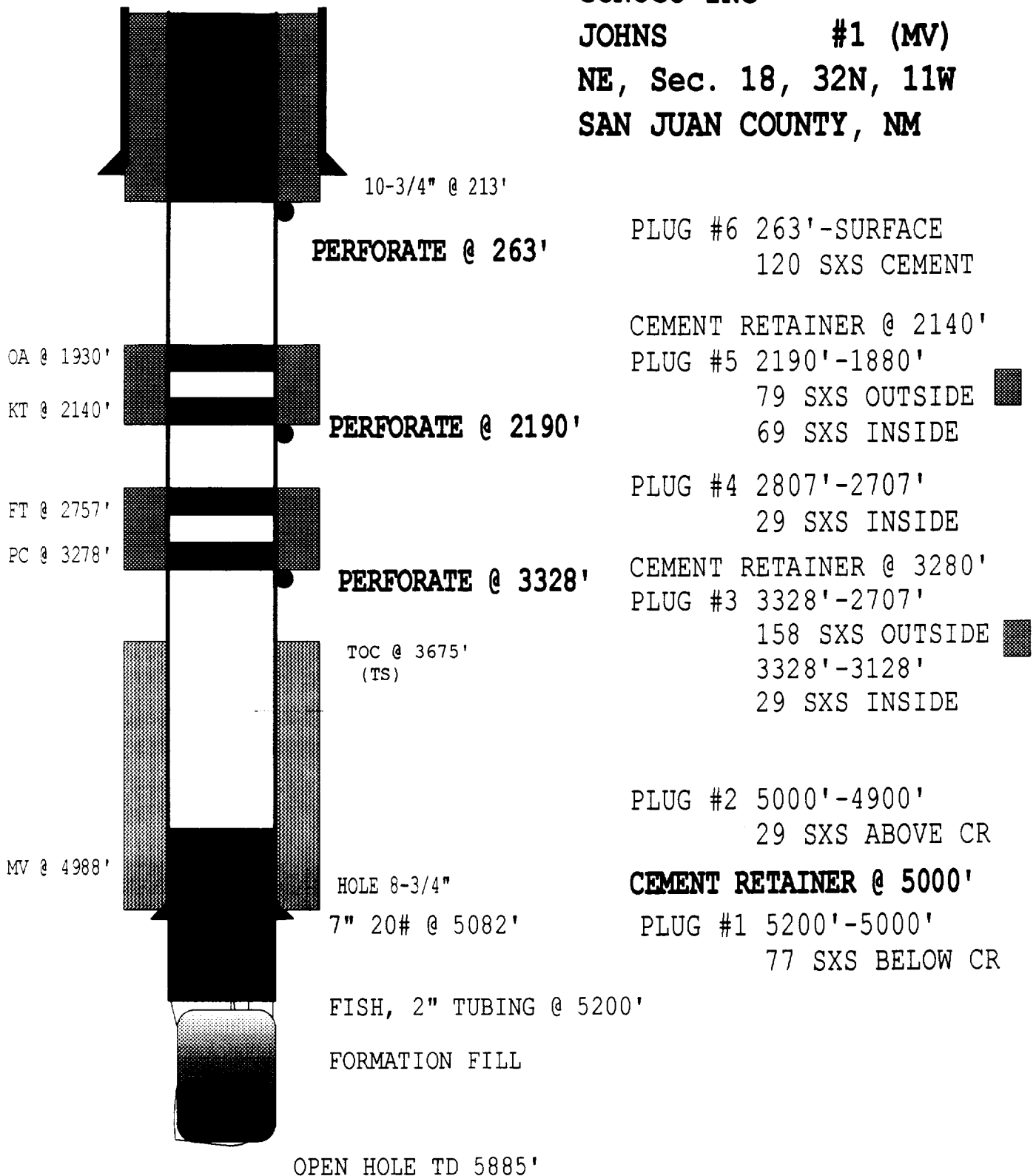


PLUGGED WELL

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NE, Sec. 18, 32N, 11W
SAN JUAN COUNTY, NM



IN REPLY REFER TO:
(07337)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 La Plata Highway
Farmington, New Mexico 87401

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

Well: #1 Johns

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
2. Mike Flaniken with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made (when applicable):

1.) Perforate @ 1171' and place a cement plug from 1171' to 1071' inside & outside the casing, plus 100% excess cement in the annular space and 50 linear feet excess inside the casing. (bottom of Nacimiento or top of Kirtland @ 1121')

Note: The cement plug from 2190' to 1830'

Office Hours: 7:45 a.m. to 4:30 p.m.

is Not Necessary. Ojo Alamo Not present in well.