

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

SF 078194

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

070 FARMINGTON, NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
CONOCO INC
CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424

4. Location of Well (Footage, Sec., T. R. M. or Survey Description)

Section 31, T-30-N, R-10-W, A
938' FNL & 1038' FEL

Well Name and No.

Ludwick LS #4

API Well No.

30-045-09061

Field and Pool, or Exploratory Area

Aztec Pictured Cliffs (71280)

11. County or Parish, State

San Juan, NM

1a. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Repon
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracrunng
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Repon results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Conoco, Inc. proposes to plug and abandon this well using the attached procedure.

14. I hereby certify that the foregoing is true and correct

Signed

Kay Maddox

Title

Regulatory Agent

Date

May 10, 1999

(This space for Federal or State office use)

Approved by

/S/ Duane W. Spencer

Title

Team Lead, Petroleum Management

Date

MAY 17 1999

Conditions of approval if any:

BLM(6), NMOCD(1), SHEAR, PONCA, COST ASST, FILE ROOM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

NMOCD

PLUG AND ABANDONMENT PROCEDURE

4-22-99

Ludwick LS #4
Aztec Pictured Cliffs
938' FNL, 1038' FEL, NE Sec. 31, T30N, R10W
San Juan County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Conoco safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and LD 1" tubing (2466'). Prepare and tally a 2-3/8" tubing workstring. Round-trip 5-1/2" gauge ring or casing scraper to 2368'.
3. **Plug #1 (Pictured Cliffs interval and Fruitland top, 2368' – 1977')**: Set 5-1/2" wireline CIBP at 2368'. TIH with open ended tubing and tag CIBP. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. Mix 50 sxs Class B cement and spot a balanced plug inside casing above the CIBP to isolate the Pictured Cliffs and to cover Fruitland. TOH with tubing.
4. **Plug #2 (Kirtland and Ojo Alamo top, 1280' – 1115')**: Perforate 3 HSC squeeze holes at 1280'. Establish rate into squeeze holes if casing tested. Set 5-1/2" cement retainer at 1230'. Pressure test tubing to 1000#. Establish rate below retainer into squeeze holes. Mix 95 sxs Class B cement, squeeze 71 sxs cement outside 5-1/2" casing and leave 24 sxs cement inside casing to cover Ojo Alamo top. TOH and LD tubing.
5. **Plug #3 (9-5/8" Surface casing at 131')**: Perforate 3 HSC squeeze holes at 181'. Establish rate out bradenhead valve. Mix and pump approximately 75 sxs Class B cement down 5-1/2" casing and circulate good cement out bradenhead valve. Shut well in and WOC.
6. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Ludwick LS #4

Current

Aztec Pictured Cliffs

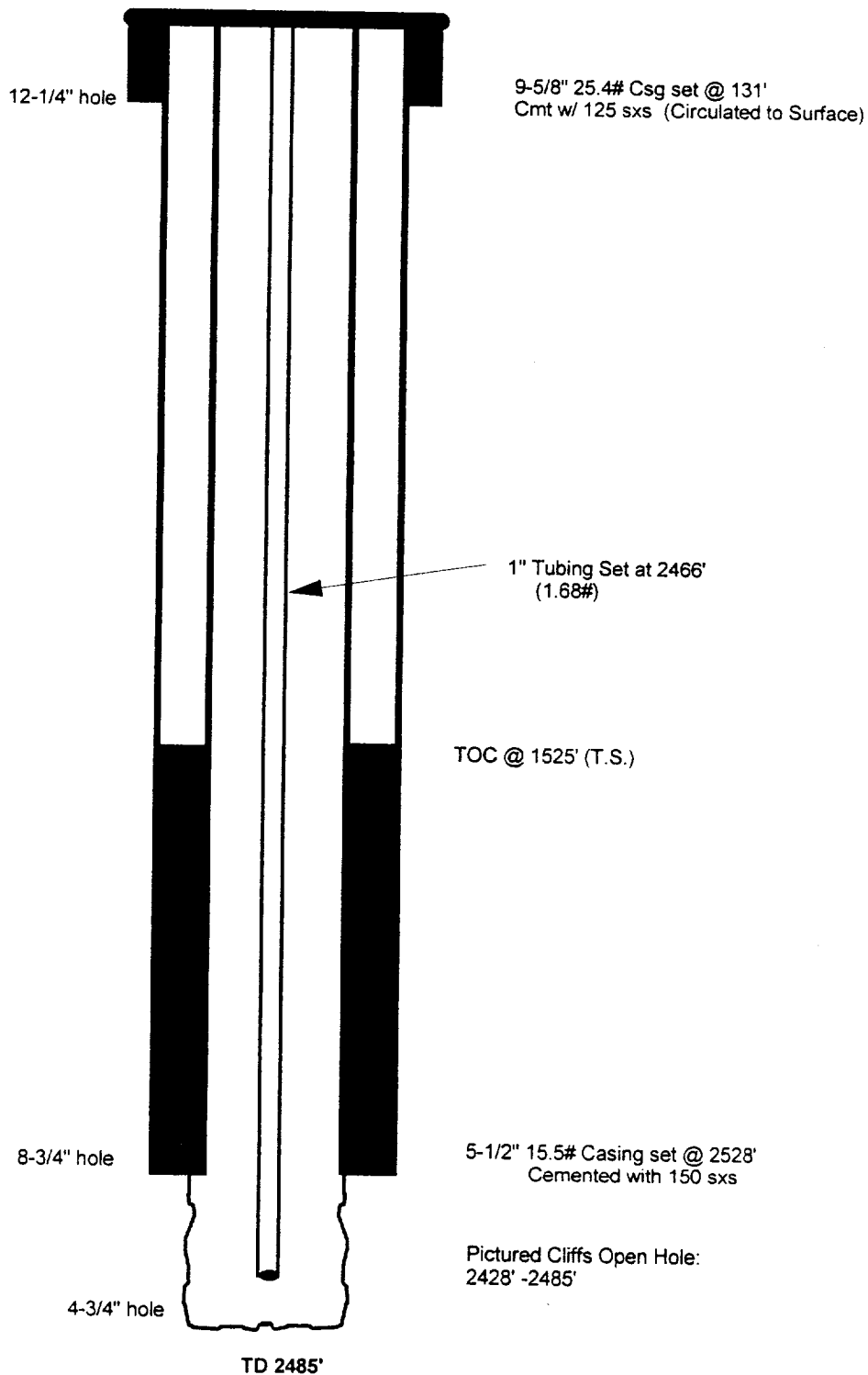
NE, Section 31, T-30-N, R-10-W, San Juan County, NM

Today's Date: 4/22/99

Spud: 2/2/55

Completed: 2/13/55

Elevation: 6006' (GL)
6016' (KB)



Ludwick LS #4

Proposed P&A

Aztec Pictured Cliffs

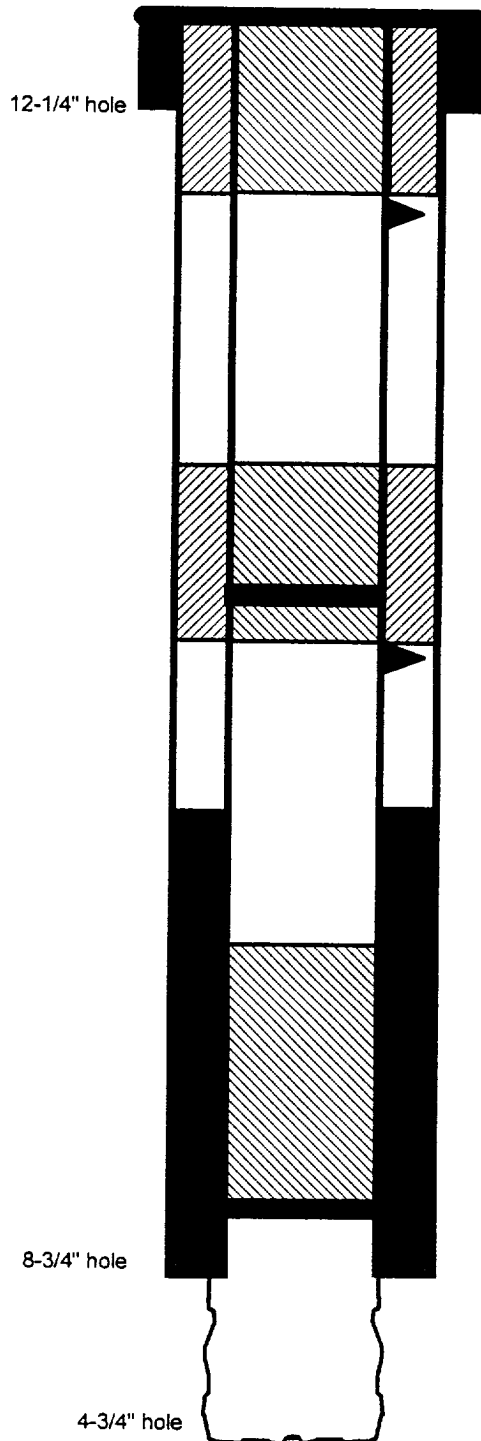
NE, Section 31, T-30-N, R-10-W, San Juan County, NM

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9-5/8" 25.4# Csg set @ 131'
Cmt w/ 125 sxs (Circulated to Surface)

Perforate @ 181'

Plug #3 181' - Surface
Cmt with 75 sxs Class B

*CONTACTED STEVE
MASON ABOUT TOP*

Plug #2 1280' - 1115'
Cmt with 95 sxs Class B,
71 sxs outside casing
and 24 sxs inside.

Cmt Retainer @ 1230'

Perforate @ 1280'

TOC @ 1525' (T.S.)

Plug #1 2368' -1977'
Cmt with 50 sxs Class B

Set CIBP @ 2368'

5-1/2" 15.5# Casing set @ 2418'
Cemented with 150 sxs

Pictured Cliffs Open Hole:
2428' -2485'

Ojo Alamo @ 1105'

Kirtland @ 1230'

Fruitland @ 2027'

Pictured Cliffs @ 2428'

TD 2485'