

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM

Sundry Notices and Reports on Wells

95 NOV 22 AM 10:52

1. Type of Well

GAS

2. Name of Operator

SOUTHLAND ROYALTY COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

820' FNL, 810' FWL, Sec. 31, T-32-N, R-11-W, NMPM

5. Lease Number

SF-07 **8118**

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Lawson #4

9. API Well No.

30-045-23407

10. Field and Pool

Glades Fruitland Sd/
Blanco Pictured Cliffs

11. County and State

San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other -
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
DEC - 8 1995
OIL CON. DIV.
DIST. 3

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

Signed *Donna Sharp* (LWD4) Title Regulatory Administrator Date 11/20/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

DEC 04 1995

DISTRICT MANAGER

NMOCD

PLUG & ABANDONMENT PROCEDURE

October 25, 1995

Lawson #4
Fruitland & Pictured Cliffs
DPNO 42185 & 42186
NW, Section 31, T-32-N, R-11-W
San Juan Co., 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. Prepare blow pit. Comply to all BLM, and MOI safety regulations.
2. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and install cementing valve. Test BOP.
3. Open bradenhead valve. Establish a rate down Pictured Cliffs 2 7/8" casing with 20 bbls water, record pump rate and pressure. Monitor bradenhead for flow or blow. Pump 2 frac balls in additional water and monitor pressure, rate, and volumes pumped, to confirm perforations taking water and casing does not leak. Repeat pumping procedure for the Fruitland 2 7/8" casing.
4. If the Pictured Cliffs casing does not leak then pump as follows:

Plug #1 Pictured Cliffs Casing (Pictured Cliffs perfs & Fruitland top, 3118' -- 1850'): Establish rate into Pictured Cliffs perforations with water. Mix and bullhead 42 sxs Class B cement (20% excess) down 2 7/8" casing and displace to 1850' with water. Shut in Pictured Cliffs casing valve and WOC.

5. If the Fruitland does not leak then plug as follows:

Plug #2 Fruitland Casing (Fruitland perfs, and top, 2898' -- Surface): Establish rate into Fruitland perforations with water. Mix and bullhead 96 sxs Class B cement (20% excess) down 2 7/8" casing from 2898' to Surface. Shut in Fruitland casing valve and WOC.

6. If the casing leaks then plug as follows:

Install and test location rig anchors. MOL and RU daylight pulling unit. Run 2 7/8" gauge ring to 50' above perforations. Wireline set 2 7/8" CIBP 50'--100' above the perforations. PU 1 1/4" IJ tubing workstring and RIH and tag bridge plug. Spot cement on CIBP to cover Fruitland (2533'), and plug well accordingly.

7. **Plug #3 (Ojo Alamo and Kirtland tops 1759' -- 1598'):** Perforate 4 squeeze holes through PC 2 7/8" casing. Establish rate into squeeze holes. Mix and pump 110 sxs Class B cement. Bullhead 90 sxs outside and leave 20 sxs inside casing, displace to 1000' with water.
8. **Plug #4 Surface (195' --- Surface):** Perforate 2 squeeze holes through PC casing at 195'. Establish circulation out bradenhead valve. Mix approximately 65 sxs Class B cement and pump down 2 7/8" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
9. ND BOP and cut off wellhead below surface casing. Note the cement level in the casing and annulus; fill as necessary. Install P&A marker to comply with regulations.
10. If necessary, rig down, cut off anchors, move off location, and restore location.

Recommended: _____
Operations Engineer

Approval: _____
Production Superintendent

LAWSON #4

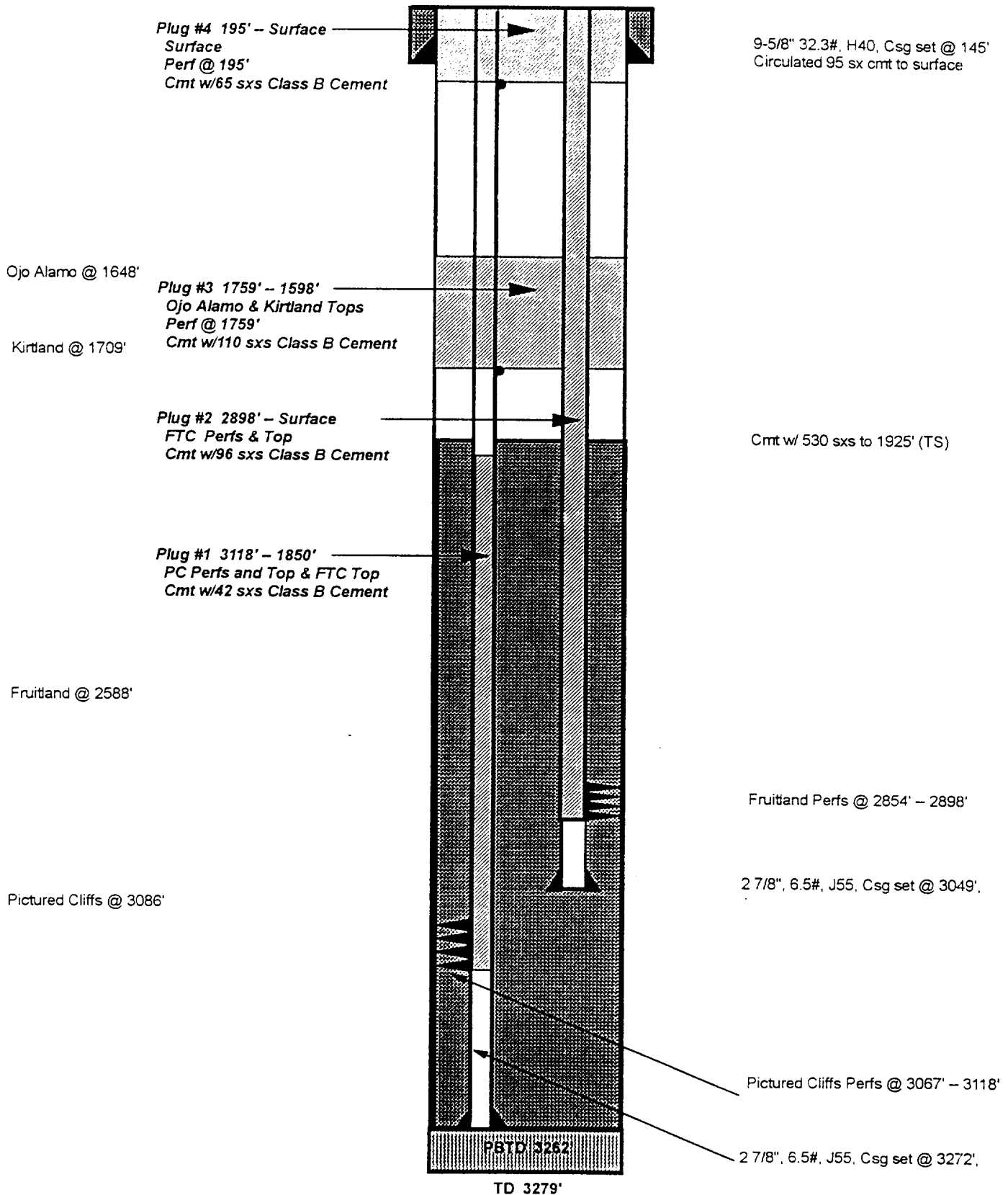
CURRENT 10-24-95

Fruitland & Pictured Cliffs
DPNO 42185 & 42186

820' FNL, 810' FWL,
Section 31, T-32-N, R-11-W, San Juan County, CO

Spud: 4-18-79

Completed: 6-27-79



Lawson #4

CURRENT 10-24-95

Fruitland & Pictured Cliffs
DPNO 42185 & 42186

820' FNL, 810' FWL.
Section 31, T-32-N, R-11-W, San Juan County, CO

Spud: 4-18-79

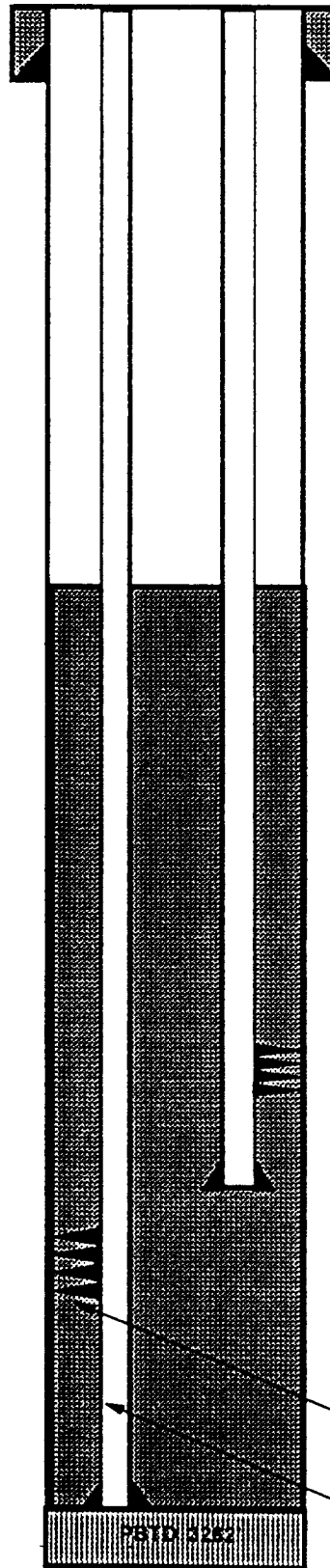
Completed : 6-27-79

Ojo Alamo @ 1648'

Kirtland @ 1709'

Fruitland @ 2588'

Pictured Cliffs @ 3086'



9-5/8" 32.3# H40, Csg set @ 145'
Circulated 95 sx cmt to surface

Cmt w/ 530 sxs to 1925' (TS)

Fruitland Perfs @ 2854' - 2898'

2 7/8", 6.5# J55, Csg set @ 3049'

Pictured Cliffs Perfs @ 3067' - 3118'

2 7/8", 6.5# J55, Csg set @ 3272'

TD 3279'