

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

| | |
|---|---|
| 1. Type of Well GAS | API # (assigned by OCD) 30-045-09331 |
| 2. Name of Operator MERIDIAN OIL | 5. Lease Number Fee |
| 3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 | 6. State Oil&Gas Lease Fee |
| 4. Location of Well, Footage, Sec., T, R, M 1550'FSL, 990'FWL Sec.21, T-30-N, R-11-W, NMPM, San Juan County | 7. Lease Name/Unit Name Morris A |
| | 8. Well No. 6 |
| | 9. Pool Name or Wildcat Basin Ft Coal |
| | 10. Elevation: |

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

| | |
|---|--|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut off |
| <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| <input checked="" type="checkbox"/> Other - restimulation | |

13. Describe Proposed or Completed Operations

It is intended to restimulate this well per the attached procedure.

RECEIVED
JUN - 2 1994
OIL CON. DIV.
DIST. 3

SIGNATURE *Frank T. Chavez* (SBD) Regulatory Affairs June 1, 1994

(This space for State Use)

Approved by Original Signed by FRANK T. CHAVEZ

Title SUPERVISOR DISTRICT # 3 Date JUN - 2 1994

Pertinent Data Sheet - MORRIS A #6

Location: 1550' FSL, 990' FWL, Unit L, Section 21, T30N, R11W, San Juan County, New Mexico

Field: Basin Fruitland Coal
(Aztec Pictured Cliffs)

Elevation: 5799' DF
5791' GR

TD: 2197'
PBTD: 2143'

Completed: (FTC) 09/11/89

Spud Date: 02/14/56

DP #: 49494B

Casing Record:

| <u>Hole Size</u> | <u>Csq Size</u> | <u>Wt. & Grade</u> | <u>Depth Set</u> | <u>Cement</u> | <u>Top/Cement</u> |
|------------------|-----------------|------------------------|------------------|---------------|-------------------|
| 13 3/4" | 9 5/8" | 25.4# Armco SW | 133' | 100 sxs | Surface/Circ |
| 8 3/4" | 7" | 20# J-55 | 2152' | 150 sxs | 970' CBL |

Tubing Record:

| <u>Tbg Size</u> | <u>Wt. & Grade</u> | <u>Depth Set</u> | |
|-----------------|------------------------|------------------|------------|
| 1 1/4" | 2.4# J-55 | 2127' | SN @ 2094' |

Formation Tops:

Ojo Alamo 755'
Kirtland: 836'
Fruitland: 1850'
Pictured Cliffs: 2151'

Logging Record: ES, GRL, IND, TS (1956)
GST,CNL-GR, GBL-PAL, CBL (1988)

Stimulation: PC Frac'd: 2152' - 2197' w/39,500 gal water & 50,000# sand.
Flushed w/4,200 gal.

Workover History:

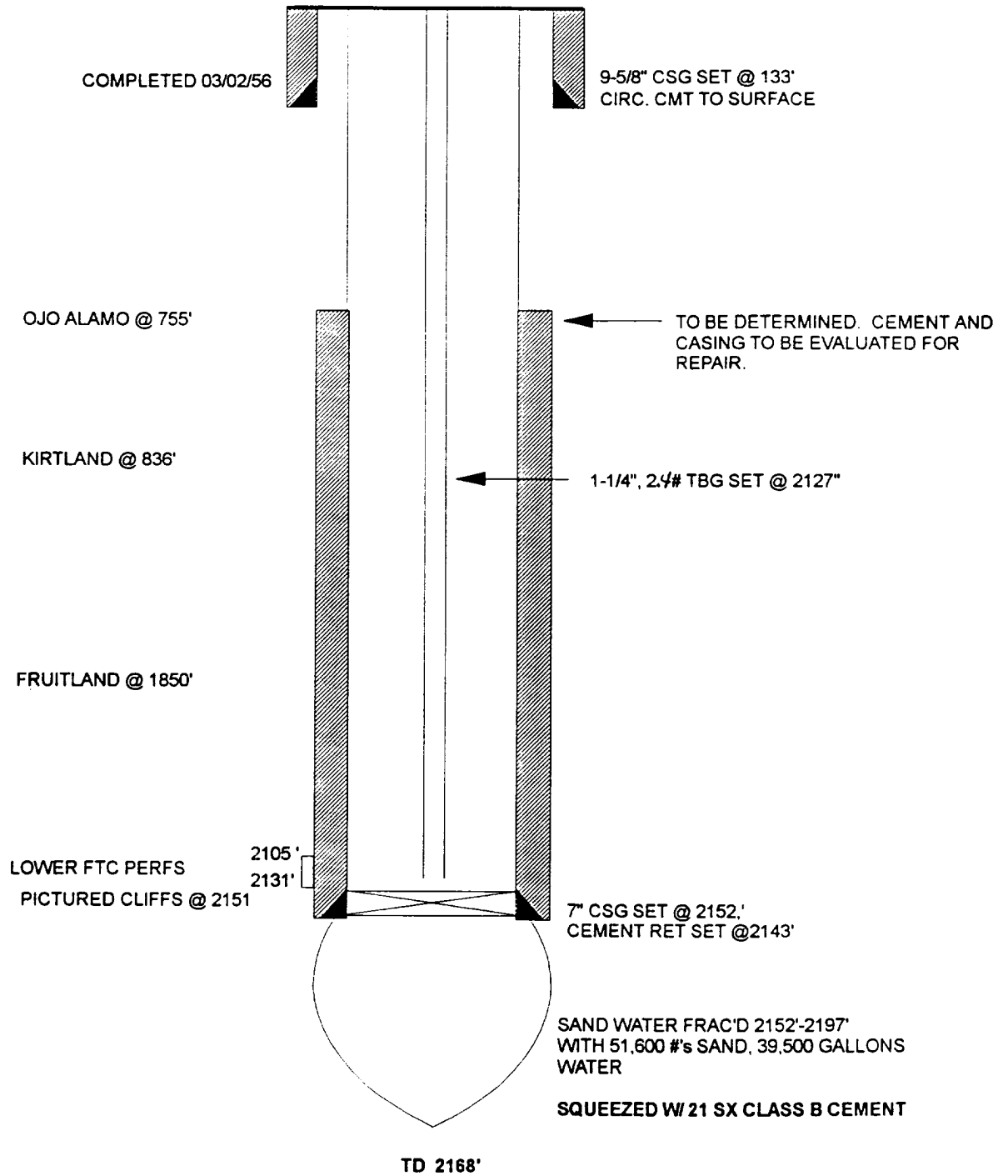
5/88: Pulled 1 1/4" tubing. Set 7" HOWCO cement retainer @ 2143'. Squeezed w/21 sxs cement. Packer @ 1473'. Ran 2 3/8", N-80 tubing.

9/89: Perf'd 4 jets/ft 2105' - 2131'. Frac'd W/ 28,560 gal 30# HPG, 33 Tons CO2.

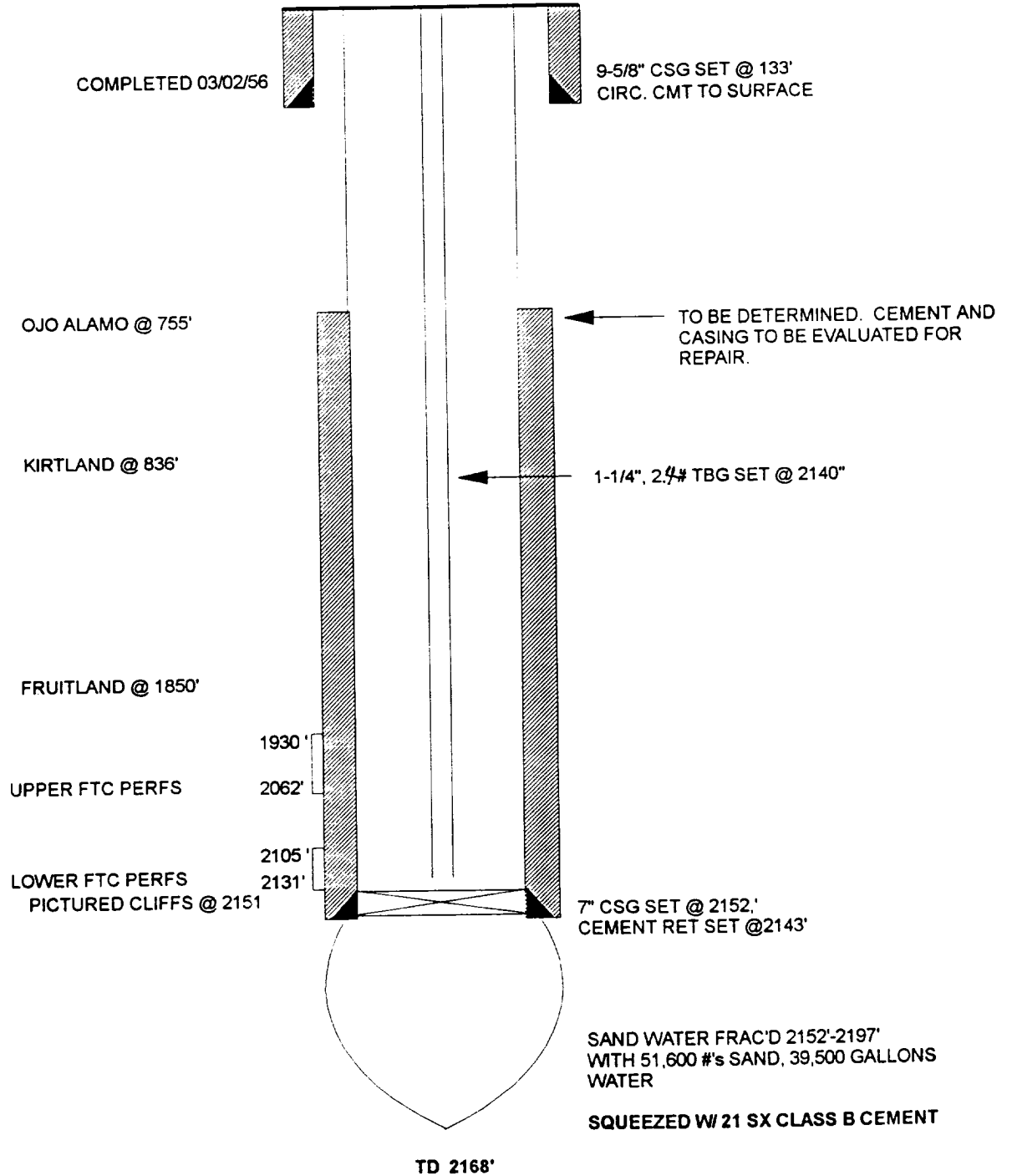
Production History: None

Transporter: EL Paso Natural Gas

MORRIS A #6
CURRENT
BASIN FRUITLAND COAL
UNIT L, SEC 21, T30N, R11W, SAN JUAN COUNTY, NM



MORRIS A #6
PROPOSED
BASIN FRUITLAND COAL
UNIT L, SEC 21, T30N, R11W, SAN JUAN COUNTY, NM



MORRIS A #6
Recommend Completion Procedure
SW/4 SECTION 21 T30N R11W

1. Test rig anchors and repair if necessary. Install 1-400 bbl frac tank on location and fill with 2% KCl water. Filter all water to 25 microns.
2. MOL and RU. Comply to all NMOC, BLM and MOI rules & regulations. Hold safety meeting. ND wellhead. NU BOP. Test operation of rams. NU two relief lines.
3. TOOH w/ 2127' of 1-1/4" tbg, tally & inspect. PU 2-3/8" workstring.
4. TIH w/ 6-1/4" bit and 7" casing scraper on 2-3/8" tbg and clean out to PBTD of 2143'. TOOH.

*****LOWER COAL*****

5. TIH w/ 3-1/2" 9.3# N-80 FJ frac string and set fullbore pkr between 2075' - 2080'. Load backside w/ 2% KCl water. Pressure test annulus to 500 psi. If pressure test fails contact production engineering prior to proceeding with frac procedure.
6. RU treatment company for frac. Hold safety meeting with all personnel. Pressure test surface lines to 5000 psi. Fracture treat lower coal according to attached schedule w/ 70Q foam at 30 BPM with 80,000 lbs of 20/40 mesh Arizona sand and 10,000 #'s 12/20 mesh Arizona sand. Tag sand with 0.4 mCi/1000# Ir-192 tracer. Flush with 16 bbls 2% KCl. Estimated treating pressure is 2800 psi. **MAXIMUM PRESSURE IS LIMITED TO 4000 PSI!** Monitor backside and braden head pressures during frac. Monitor bottomhole and surface treating pressure, rate, foam quality and sand concentration with computer van. Frac during daylight only.
7. SI well for 3 hours for gel break.
8. After gel break, open well through choke manifold & monitor flow. Flow @ 20 bbls/hr, or less if sand is observed.
9. Re-fill 400 bbl frac tank with 2% KCl water and filter to 25 microns.
10. When well ceases to flow, TOOH w/ pkr and frac string. TIH w/ 2-3/8" tbg and csg scraper to 2100'. TOOH. TIH and set 7" RBP @ 2080'.

MORRIS A# 6
Recommend Completion Procedure
SW/4 SECTION 21 T30N R11W
Page 2

*****UPPER COAL*****

11. RU wireline and perf the following coal interval w/ 4" HSC w/ 19.8 gram charges @ 4 SPF (correlate depths to neutron density log).

1930-1936'

1995-2005'

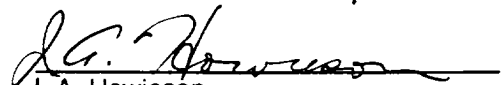
2044-2052

2058-2062'

Total: 28 feet: 112 holes

12. TIH w/ frac string and set pkr @ 2070'. Pressure test BP to 3000 psi surface pressure.
13. Release pkr, PU to 1800', load backside and set pkr @ approx 1800'.
14. RU treatment company for frac. Hold safety meeting with all personnel. Pressure test surface lines to 5000 psi. Fracture treat upper coal according to attached schedule w/ 70Q foam at 30 BPM with 80,000 lbs of 20/40 mesh Arizona sand and 10,000 #'s 12/20 mesh Arizona sand. Tag sand with 0.4 mCi/1000# Ir-192 tracer. Flush with 14 bbls 2% KCl. Estimated treating pressure is 2400 psi. **MAXIMUM PRESSURE IS LIMITED TO 4000 PSII** Monitor backside and braden head pressures during frac. Monitor bottomhole and surface treating pressure, rate, foam quality and sand concentration with computer van. Frac during daylight only.
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18. TIH w/ 2-3/8" tbg and 6-1/4" bit and CO to PBTD. TOOH.
19. Run After-Frac-Gamma-Ray log from PBTD (2143') - Ojo Alamo depth of 1000'.
20. TIH w/ 2140' of 1-1/4" tbg w/ standard seating nipple one jt off bottom and pump-off plug on bottom. Land tbg string.
21. ND BOP and NU independent wellhead. Pump off plug. Take final Pitot gauge. Rig down & release rig.

Approve:


J. A. Howieson

VENDORS:

| | | |
|-------------|---------------|----------|
| Wireline: | Blue Jet | 325-5584 |
| Fracturing: | B.J. Services | 327-6288 |
| RA Tagging: | Protechnics | 326-7133 |

SBD

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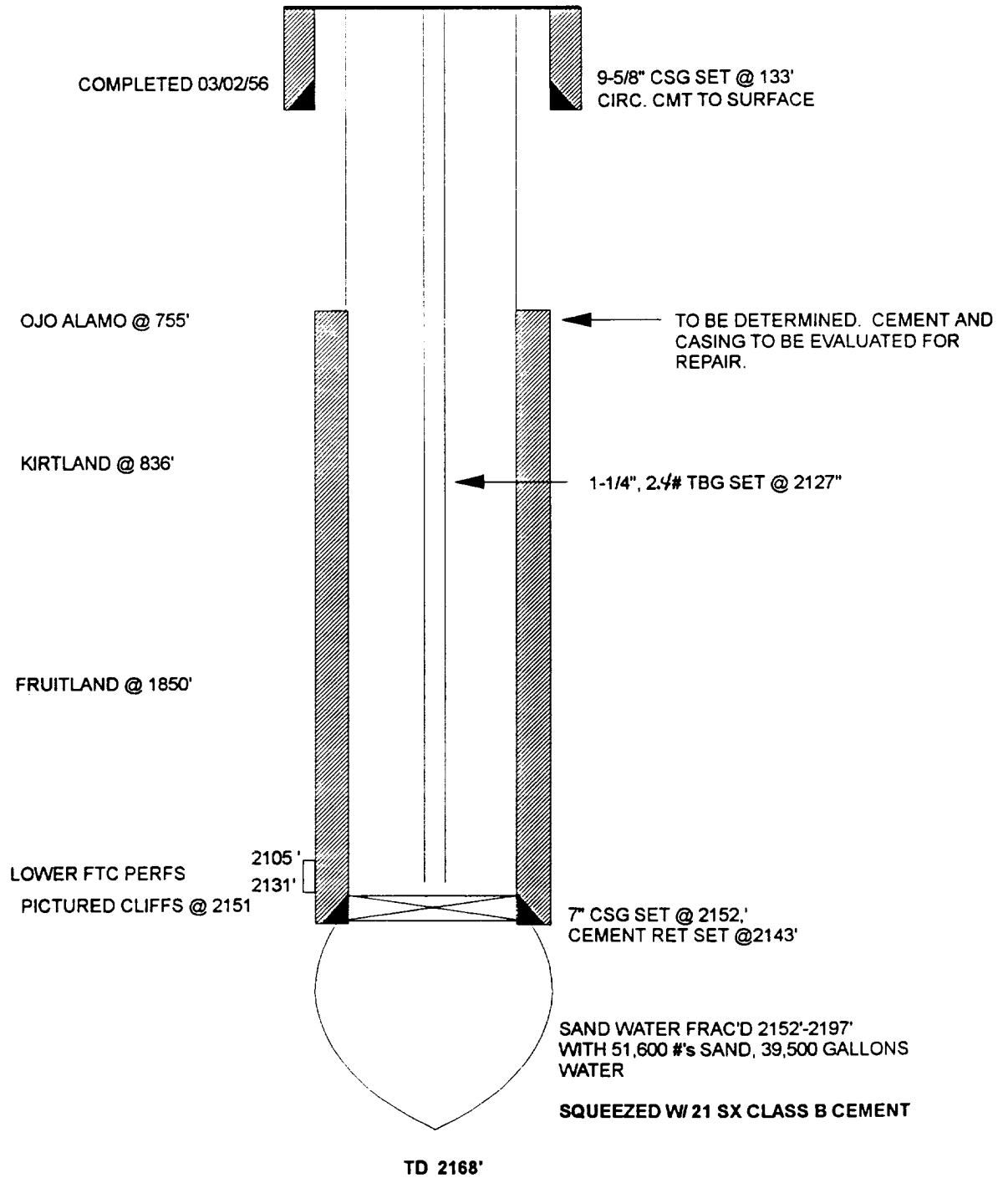
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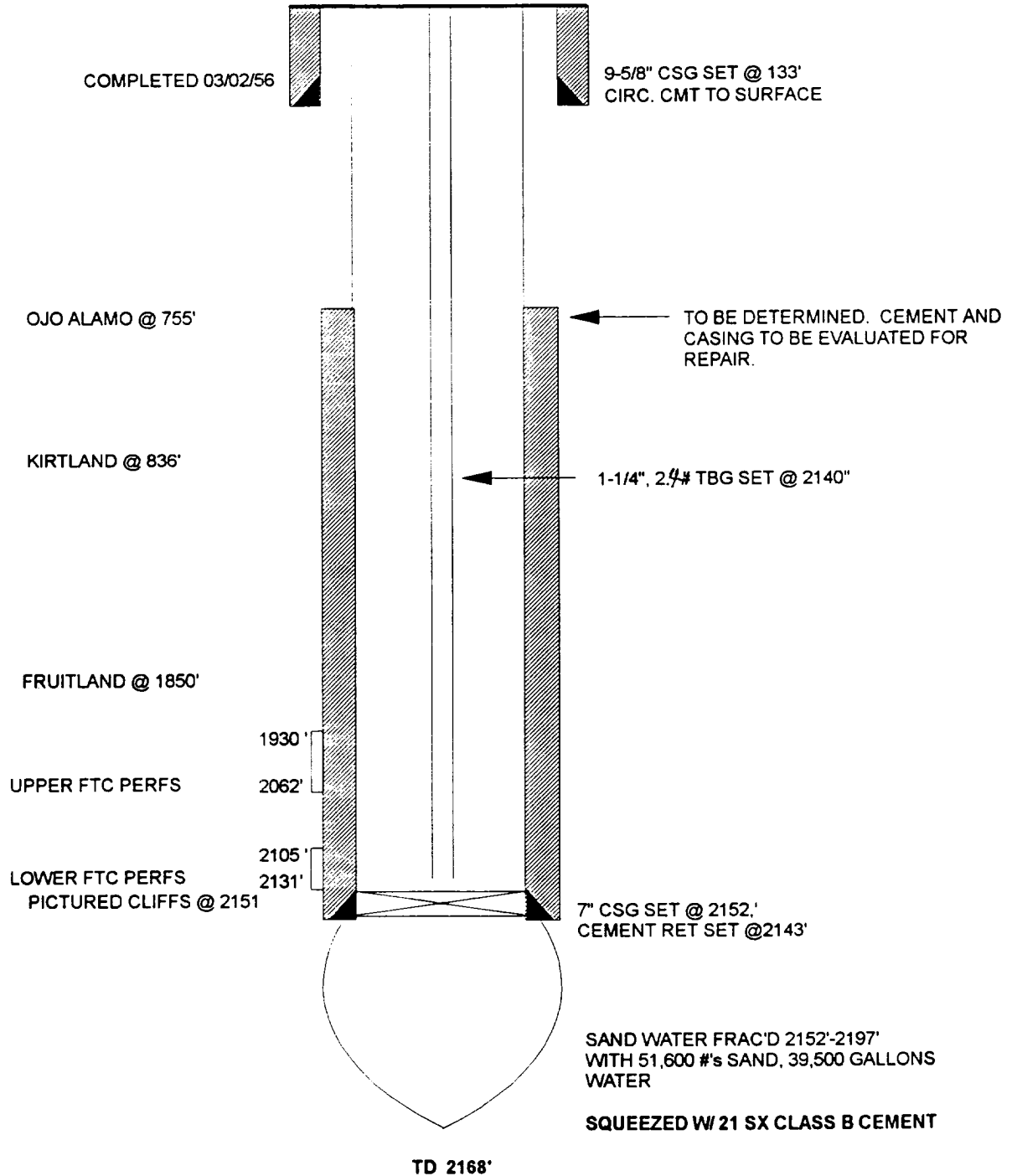
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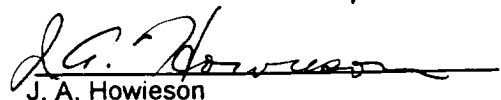
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