

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

Sundry Notices and Reports on Wells

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator MERIDIAN OIL <i>Southland Royalty</i></p> <hr/> <p>3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec., T, R, M 1615'FSL, 900'FEL, Sec 31, T-32-N, R-11-W, NMPM, San Juan County</p> | <p style="text-align: right;">API # (assigned by OCD)</p> <p>5. Lease Number Fee</p> <p>6. State Oil&Gas Lease Fee</p> <p>7. Lease Name/Unit Name Vasaly Federal</p> <p>8. Well No. 2</p> <p>9. Pool Name or Wildcat Fruitland Sand</p> <p>10. Elevation:</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

| | |
|-------------------------------------------------|-------------------------------------------------|
| <input checked="" 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 Injectio |
| <input type="checkbox"/> Other | |

13. Describe Proposed or Completed Operations

It is intended to plug & abandon this well per the attached procedure and wellbore diagram.

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SIGNATURE *[Signature]* (TJM) Regulatory Affairs January 9, 1994

(This space for State Use)

Approved by *[Signature]* Original Signed by CHARLES GHOLSON

DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date JAN 12 1994

Displacing hole with mud to 1400' NOT NECESSARY

VASALY FEDERAL #2 FSS
P & A Procedure
I Sec 31 T32N R11W
San Juan County, New Mexico

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1. Comply with all NMOCD, BLM, & MOI rules and regulations. Test rig anchors & MI blow pit. MOL and RU completion rig. NU BOP and stripping head. Test operation of rams. Install 2-3/8" relief line. Blow well down.
2. Run 2-7/8" csg scraper on 1-1/4" rental string to 2700'. TOH.
3. TIH w/ cmt retainer, set @ 2600'; pressure test tbg to 1500#. Establish rate into perforations. Plug #1 from 2942' to 2470' w/ 29 sxs Class B cmt (100% excess over the productive interval and 50% excess in the csg). Squeeze 24 sxs cmt under CR and spot 5 sxs above.
4. TOH to 2470' and spot ~~9 DIS 8-4# 40~~ vis mud to 1400'. TOH. Pressure test casing to 500#. (If casing leaks then use a cement retainer)
5. Perforate 4 holes at 1400'. PU 2-7/8" cement retainer and TIH to 1250', set CR; establish rate into holes.
- 6a. If able to pump into the holes at 1400'; then Plug #2 from 1400' to 1120' with 135 sxs of cement outside and 8 sxs inside the casing.
- 6b. If unable to pump into holes at 1400' then perforate 2 holes @ 1300' and attempt to establish rate into the holes. Plug #2 from 1300' to 1200' with 48 sxs of cement outside and from 1450' to 1200' with 10 sxs of cement inside the 2-7/8" casing. WOC and tag cement if cement retainer is not used.
- 7a. Pressure test the casing to 500#. If casing does not hold, attempt to circulate out of the bradenhead valve. Determine depth of casing leak. Plug #3 from casing leak to surface with sufficient cement to circulate to surface.
- 7b. If casing holds pressure then perforate 2 holes at 200'. Establish circulation out of the bradenhead valve. Plug #3 from 200' to surface with approximately 61 sxs class "B" cement, circulate cement to surface. Shut the well in.
8. ND BOP and cut off wellhead below ground level and install dry hole marker according to BLM specs.
9. Restore location to BLM specs.

Approve: _____
J. B. Fraser

N. D. Rogers

TJM:tjm

Pertinent Data Sheet - Vasaly Federal #2

Location: I Section 31, T-32-N R-11-W, San Juan County, NM

Field: Fruitland Sandstone

Elevation: 6460' GL

TD: 3252'

PBTD: 3242'

Spud: 10/08/79

Completed: 12/11/79

Initial Potential: 1065 MCF/D - Pitot Tube Test

Casing Record:

| <u>Hole Size</u> | <u>Casing Size</u> | <u>Weight & Grade</u> | <u>Depth Set</u> | <u>Cement</u> | <u>Top/Cement</u> |
|------------------|--------------------|---------------------------|------------------|---------------|-------------------|
| 12-1/4" | 8-5/8" | 24.0# K-55 | 145' KB | 195 sx | Surface Circ |
| 7-7/8" | 2-7/8" | 6.5# J-55 | 3252' KB | 570 sx | Surface Circ |

Tubing Record:

| <u>Tubing Size</u> | <u>Weight & Grade</u> | <u>Depth Set</u> |
|--------------------|---------------------------|------------------|
| N/A | | |

| <u>Formation Tops:</u> | | |
|------------------------|-------|--|
| Ojo Alamo | 1305' | |
| Kirtland | 1345' | |
| Fruitland | 2660' | |
| Pictured Cliffs | 3180' | |

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Logging Record: CDL, Induction, GR, CBL

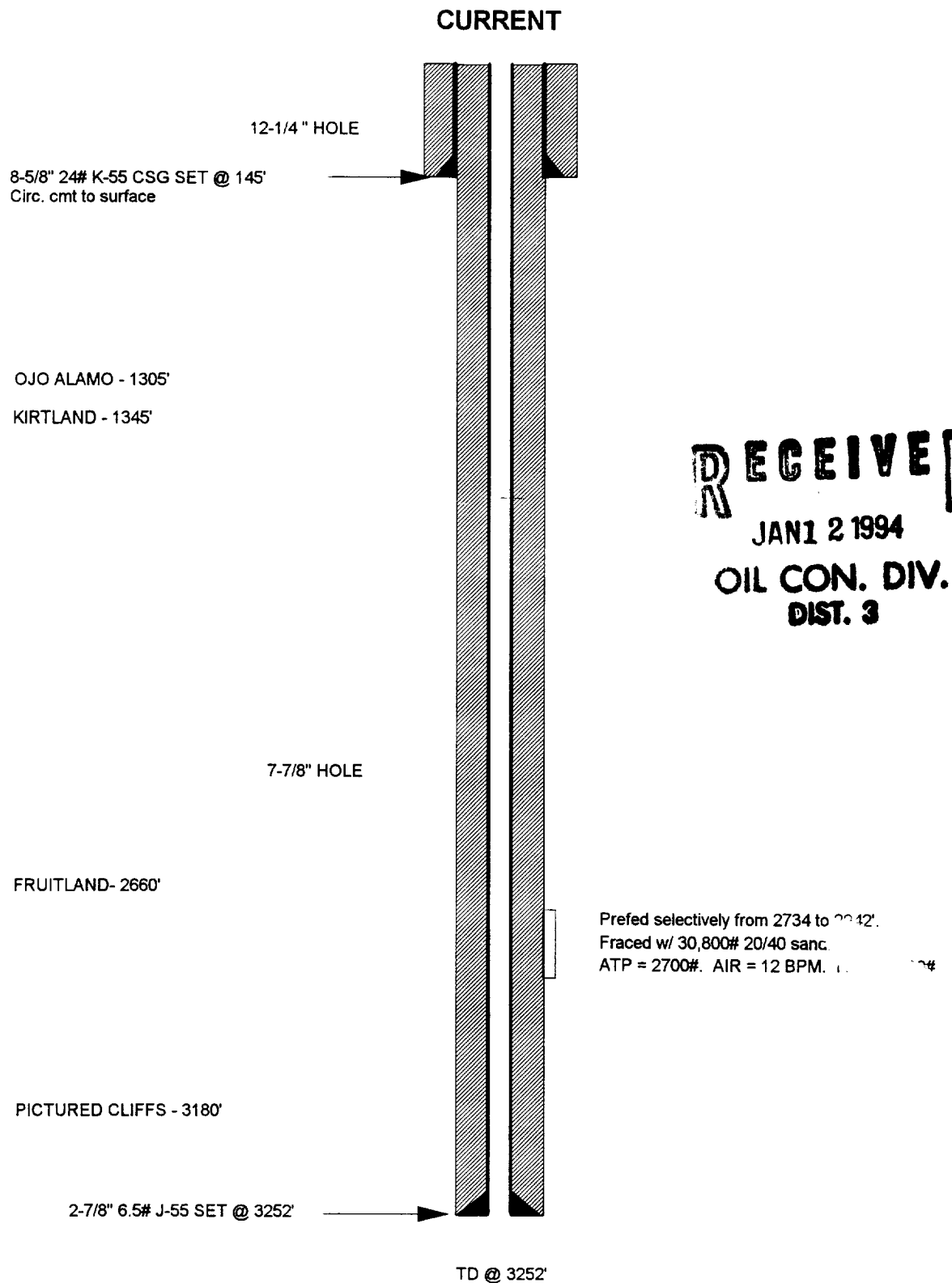
Stimulation: Perfs @ 2734', 2739', 2926', 2932', 2937' & 2942'. Fraced w/ 30,800# 20/40 Sand & 34,103 gallons water. ATP = 2700#. AIR = 12 BPM. ISIP = 1000#.

Workover History:

None

Production History:

VASALY FEDERAL #2
I SECTION 31, T32N, R11W
SAN JUAN COUNTY, NEW MEXICO
WELLBORE SCHEMATIC



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I SECTION 31, T32N, R11W
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