



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Sundry Print Report

02/28/2024

<b>Well Name:</b> OAKSON A FEDERAL	<b>Well Location:</b> T7S / R31E / SEC 33 / SESW / 33.6579201 / -103.7815667	<b>County or Parish/State:</b> CHAVES / NM
<b>Well Number:</b> 2	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM15015A	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3000520617	<b>Well Status:</b> Abandoned	<b>Operator:</b> CANO PETRO OF NEW MEXICO INC

### Subsequent Report

**Sundry ID:** 2777124**Type of Submission:** Subsequent Report**Type of Action:** Plug and Abandonment**Date Sundry Submitted:** 02/28/2024**Time Sundry Submitted:** 10:25**Date Operation Actually Began:** 02/21/2024**Actual Procedure:** Please see attached documents and images.

### SR Attachments

#### Actual Procedure

Print\_5\_Location\_20240228102526.jpg

Print\_6\_Cut\_off\_20240228102526.jpg

Print\_8\_Marker\_20240228102524.jpg

Print\_7\_Top\_Off\_20240228102519.jpg

Print\_3\_Completed\_Wellbore\_Diagram\_20240228102315.pdf

Print\_4\_GPS\_20240228102315.png

Print\_2\_EOW\_Report\_20240228102315.pdf

### BLM Point of Contact

**BLM POC Name:** JENNIFER SANCHEZ**BLM POC Title:** Petroleum Engineer**BLM POC Phone:** 5756270237**BLM POC Email Address:** j1sanchez@blm.gov**Disposition:** Accepted**Disposition Date:** 02/28/2024

Signature: Jennifer Sanchez

## **Energy Acumen LLC**

### **Plug And Abandonment End Of Well Report**

#### **Oakson A Federal #002**

660' FSL & 1980' FWL, Section 33, 07S, 31E

Chaves County, NM / API 30-005-20617

#### **Work Summary:**

- 2/21/24** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 2/22/24** Arrived on location. Held safety meeting. Completed radial check for H2S and other gas. Moved in base beam. Spotted base beam and rig. R/U unit. R/U equipment. Checked well pressures. Dug out cellar. Installed valve on WH. Bleed down well. R/U cementing services. Pump experienced issues. Shut down and secured well.
- 2/23/24** Arrived on location. Held safety meeting. Completed radial check for H2S and other gas. Checked well pressures. R/U cementing services. Pumped 7 bbls and string pressured up to 1000 psi. Bleed down well. N/U BOP. R/U floor and equipment. Pick up 4.5" scraper. TIH and tagged at 2713'. TOOH. L/D scraper. TIH and tagged at 2713'. TOOH. P/U packer. TIH. Set packer at 2696'. R/U cementing services. Attempted to pump through perforations. Pressure increased to 1000 psi. Held pressure for 10 minutes. L/D 20 joints. Shut in and secured well for the day.
- 2/24/24** Arrived on location. Held safety meeting. Completed radial check for H2S and other gas. Checked well pressures. TOOH. L/D packer. P/U 4.5" CR. TIH and set CR at 2700'. R/U cementing services. Pressure tested tubing to 1000 psi. Sting out of CR. Roll hole with 27 bbls. Pumped plug #1 from 2700' to 2500'. R/D cementers. L/D 7 joint and TOOH. WOC 4 hours. TIH and tagged plug #1 at 2480'. R/U cementing services. Pumped mud/gel spacer from 2480' to 1914'. R/D cementing services. L/D 27 joints. TOOH. Successfully pressure tested casing to 800 psi. R/U wireline services. RIH and perforated

at 1914'. R/D wireline services. R/U cementing services. Attempted to pump through perforations but casing pressured up. TIH to 985'. Shut in and secured well for the day.

**2/25/24** Arrived on location. Held safety meeting. Completed radial check for H2S and other gas. Checked well pressures. Continue to TIH to 1964'. R/U cementing services. Pumped plug #2 from 1964' to 1655'. R/U cementing services. L/D 9 joints and TOOH. WOC 4 hours. TIH and tagged plug #2 at 1607'. L/D 1 joint and TOOH. R/U wireline services. RIH and perforated at 1593'. POOH. R/D wireline. R/U cementing services. Attempted to pump into perforations but casing pressured up. R/D cementing services. TIH to 1605'. R/U cementing services. Pumped plug #3 from 1605' to 1444'. R/D cementing services. L/D 6 joints and TOOH. WOC overnight. Shut in and secured well.

**2/26/24** Arrived on location. Held safety meeting. Completed radial check for H2S and other gas. Checked well pressures. TIH and tagged plug #3 at 1422'. R/U cementing services. Pumped mud/gel spacer from 1422' to 200'. R/D cementers. L/D tubing. R/U wireline services. RIH and perforated at 200'. POOH. R/D wireline. R/U cementing services. Successfully pumped water down casing, into perforations, and out BH valve. Pumped plug #4 down casing, into perforations, and out BH valve. R/D cementers. R/D floor and equipment. ND and wash BOP. R/D and move rig and base beam. Used backhoe to safely expose wellhead. Set up welding unit on location. Performed wellhead cutoff. Removed old wellhead. Topped off production casing with 12 sx. Cement was to surface in surface casing. Welder attached marker per NMOCD regulations. Filled location. Moved rig and equipment to Cato field.

### **Plug Summary:**

#### **Plug #1: (2,700'-2,480', 15 Sacks Type I/II Cement)**

TIH and set CR at 2700'. R/U cementing services. Pressure tested tubing to 1000 psi. Sting out of CR. Roll hole with 27 bbls. Pumped plug #1 from 2700' to 2500'. R/D cementers. L/D 7 joint and TOOH. WOC 4 hours. TIH and tagged plug #1 at 2480'.

#### **Plug #2: (Yates Formation Top, 1,964'-1,607', 23 Sacks Type I/II Cement)**

R/U wireline services. RIH and perforated at 1914'. R/D wireline services. R/U cementing services. Attempted to pump through perforations but casing pressured up. Shut down. TIH. R/U

cementing services. Pumped plug #2 from 1964' to 1655'. R/U cementing services. L/D 9 joints and TOOH. WOC 4 hours. TIH and tagged plug #2 at 1607'.

**Plug #3: (Surface Casing Shoe, 1,605'-1,422', 12 Sacks Type I/II Cement)**

R/U wireline services. RIH and perforated at 1593'. POOH. R/D wireline. R/U cementing services. Attempted to pump into perforations but casing pressured up. R/D cementing services. TIH to 1605'. R/U cementing services. Pumped plug #3 from 1605' to 1444'. R/U cementing services. L/D 6 joints and TOOH. WOC overnight. TIH and tagged plug #3 at 1422'.

**Plug #4: (Surface, 200'-Surface, 102 Sacks Type I/II Cement (12 sx for top off))**

R/U wireline services. RIH and perforate at 200'. POOH. R/D wireline. R/U cementing services. Successfully pumped water down casing, into perforations, and out BH valve. Pumped plug #4 down casing, into perforations, and out BH valve. R/D cementers. R/D floor and equipment. ND and wash BOP. R/D and move rig and base beam. Used backhoe to safely expose wellhead. Set up welding unit on location. Performed wellhead cutoff. Removed old wellhead. Topped off production casing with 12 sx. Cement was to surface in surface casing. Welder attached marker per NMOCD regulations. Filled location.

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## Completed Wellbore Diagram

CANO PETRO OF NEW MEXICO, INC.

OAKSON A FEDERAL #002

API: 30-005-20617

Chaves County, New Mexico

### Surface Casing

8.625" 28# @ 1494 ft

OH: 12.25'

### Plug 4

200 feet - surface

200 foot plug

102 Sacks of Type I/II Cement

### Plug 3

1605 feet - 1442 feet

163 foot plug

12 Sacks of Type I/II Cement

### Plug 2

1964 feet - 1607 feet

357 foot plug

23 Sacks of Type I/II Cement

### Plug 1

2700 feet - 2480 feet

220 foot plug

15 sacks of Type I/II Cement

### Formations

Yates - 1864 feet

San Andres - 3028 feet

Pi Marker - 3574 feet

Retainer @ 2,700 feet

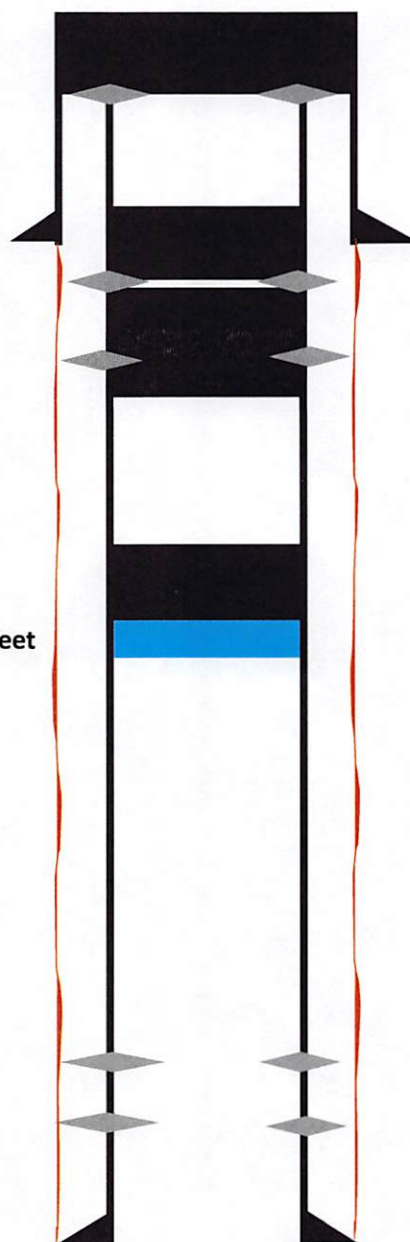
### Perforations

3838 feet - 3960 feet

### Production Casing

4.5" 11.6# @ 4013 feet

OH: 7.875"











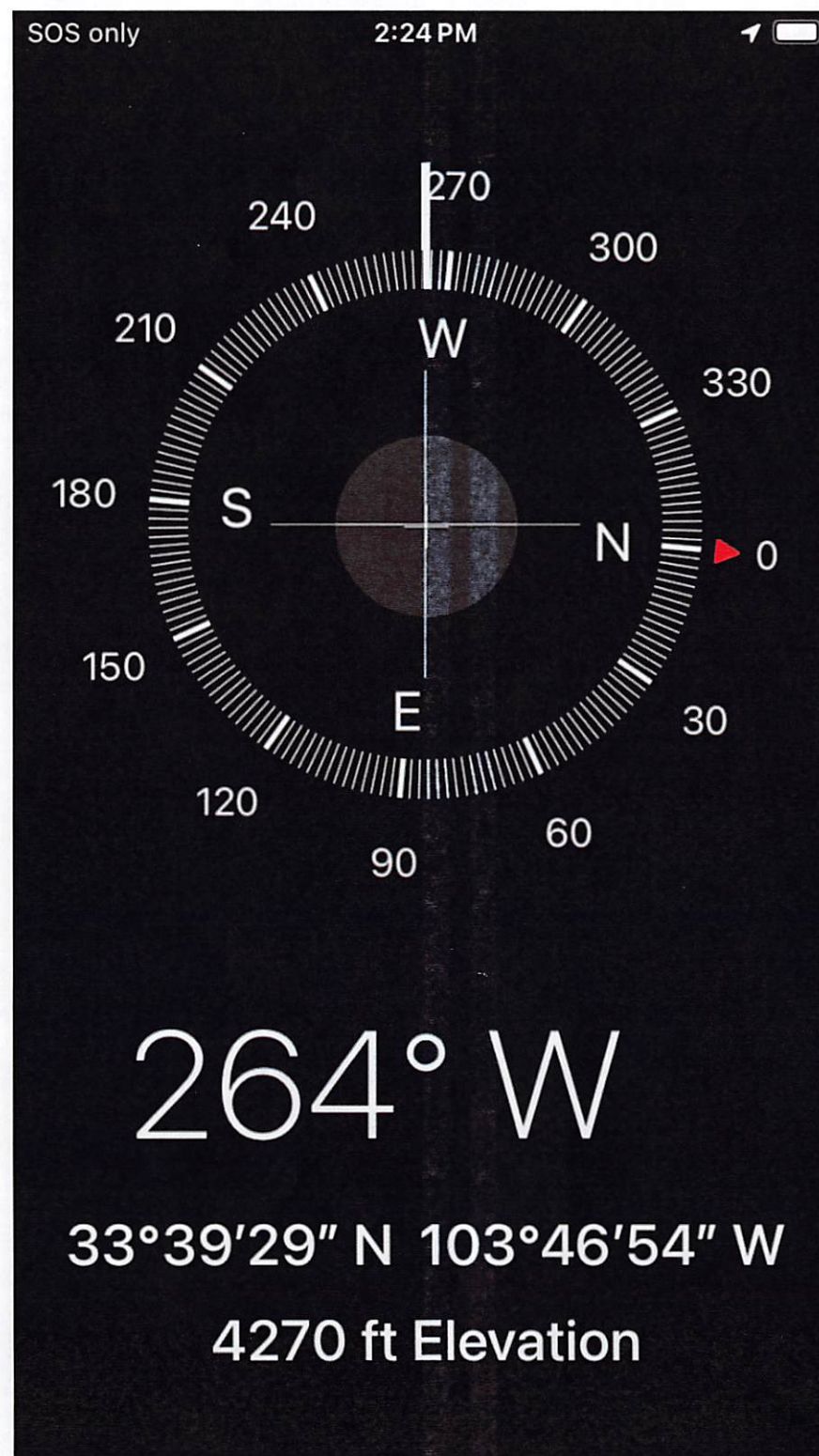














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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
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CONDITIONS  
  
Action 352876

CONDITIONS

Operator: CANO PETRO OF NEW MEXICO, INC. 801 Cherry Street Fort Worth, TX 76102	OGRID: 248802
	Action Number: 352876
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	None	6/11/2024