

Form 3160-5  
(June 2015)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No. **NM-066884-A**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well  
 Oil Well     Gas Well     Other

8. Well Name and No. **Brown 84 #001**

2. Name of Operator **RIDGEWAY ARIZONA OIL CORP.**

9. API Well No. **30-025-23881**

3a. Address **575 N. Dary Ashford, Suite 210, Houston TX 77079**

3b. Phone No. (include area code)

10. Field and Pool or Exploratory Area  
**SAWYER;SAN ANDRES (ASSOC)**

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)  
**N-13-09S-37E 660 FSL 1980 FWL**

11. Country or Parish, State  
**Lea**

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Please see attached procedure and diagrams.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) <b>Ethan Wakefield</b>	Representative Title
Signature	Date

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make 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.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

**Item 4** - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

**Item 13**: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY**: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

**PRINCIPAL PURPOSE**: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

**ROUTINE USES**: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

**EFFECT OF NOT PROVIDING THE INFORMATION**: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT**: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

### Completed Wellbore Diagram

RIDGEWAY ARIZONA OIL CORP.  
Brown 84 #001  
API: 30-025-23881  
Lea County, New Mexico

**Plug 5**  
2055 feet - 1870 feet  
185 foot plug  
31 Sacks of Type I/II Cement

**Plug 4**  
2370 feet - 2070 feet  
300 foot plug  
44 Sacks of Type I/II Cement

**Plug 3**  
2970 feet - 2630 feet  
340 foot plug  
25 Sacks of Type I/II Cement

**Plug 2**  
3924 feet - 3518 feet  
406 foot plug  
31 Sacks of Type I/II Cement

**Plug 1**  
4623 feet - 3960 feet  
663 foot plug  
54 sacks of Type I/II Cement

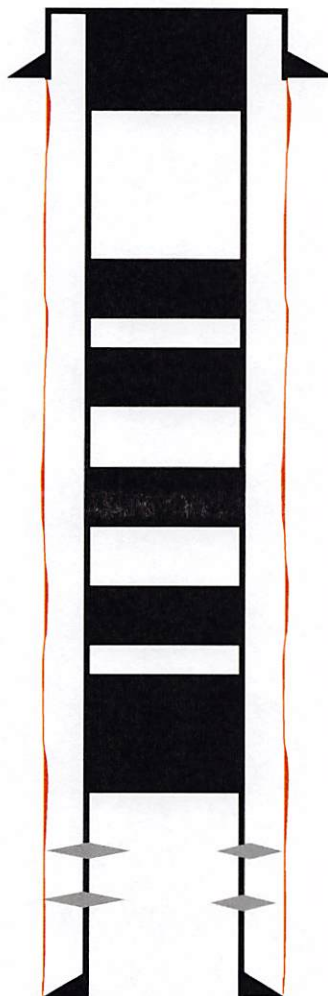
**Perforations**  
4895 feet - 4988 feet

**Surface Casing**  
8.625" 24# @ 415 ft  
OH: 11'

**Estimated Formations**  
Rustler - 2268 feet  
Base of Salt - 2810 feet  
Yates - 2910 feet  
Queen - 3630 feet  
Grayburg - 3820 feet  
San Andres - 4155 feet  
Pi Zone - 4755 feet

**Production Casing**  
4.5" 9.5# @ 5100 feet  
OH: 7.875"

**Plug 6**  
465 feet - surface  
465 foot plug  
179 Sacks of Type I/II Cement



## **Ridgeway Arizona Oil Corp.**

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

**Brown 84 #001**

660' FSL & 1980' FWL, Section 13, 09S, 37E

Lea County, NM / API 30-025-23881

#### **Work Summary:**

- 5/24/24** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 5/25/24** Arrived on location and held safety meeting. Completed spiral gas check. Leveled out location using backhoe. Dug out cellar. Moved pump jack out of the way. Moved rig to location. Set base beam. Spot rig and equipment. R/U unit. R/U cementing services. Attempted to pump 20 bbls down the backside. The pump pressured up after 4 bbls to 440 psi. Unset rod pump. L/D 2 rods. Successfully pumped 20 bbls down the backside. Shutdown due to high winds.
- 5/29/24** Arrived on location and held safety meeting. Completed spiral gas check. Checked well pressures. L/D 197 ¾" rods and pump. N/D WH. N/U BOP and function tested. R/U floor and equipment. Worked on stuck tubing hanger. Released packer or tubing anchor (worked string up and down until it released). TOOH with 145 joints of tubing (no packer). The first 12 tubing joints were dragged at 8k to 10k over string weight. After the 12th joint the packer or tubing hanger became stuck. Worked tubing string up and down to release. When out of the hole no packer or anchor was present. Shut in and secured well for the day.
- 5/30/24** Arrived on location and held safety meeting. Completed spiral gas check. Checked well pressures. P/U 4.5" casing scraper. Round tripped with scraper to 4625'. R/U cementing services. Established circulation with 6 bbls of fresh water. Roll hole with 73 bbls of fresh water. R/U wireline services. Truck experienced issues. Swapped trucks. Shutdown due to heavy rains and lightning.

- 5/31/24** Arrived on location and held safety meeting. Completed spiral gas check. Checked well pressures. R/U wireline services. RIH and logged well. POOH. R/D wireline services. P/U tag tool. TIH and tagged at 4625'. R/U cementing services. Establish circulation with 1 bbl of fresh water. Pumped plug #1 from 4623' to 4000'. L/D 20 joints Reverse circulate with fresh water at 3992'. TOOH. WOC 4 hours. TIH and tagged plug #1 at 4118'. R/U cementing services. Continued pumping plug #1 from 4116' to 4000'. L/D 5 joints. Reverse circulated at 3960'. TOOH. WOC overnight. Shut in and secured well.
- 6/1/24** Arrived on location and held safety meeting. Completed spiral gas check. Checked well pressures. TIH and tagged plug #1 at 3960'. R/U cementing services. Attempted to pressure test casing but the test failed. The surface casing communicated with the production casing at the BH annulus. TOOH. Install 4.5" packer. TIH and set packer at 3455'. Successfully pressure test casing to 800 psi for 30 minutes from 3455' to the top of plug #1 at 3960'. TIH to 3960'. R/U cementing services. Pumped 9.0 ppg mud spacer from 3960' to 3870'. TOOH. While TOOH had to pull over string weight. When at surface packer was missing 2 teeth. R/U wireline services. RIH and perforate at 3870'. POOH. R/D wireline services. TIH. Pumped plug #2 from 3924 to 3530'. L/D 13 joints and reverse circulated at 3518'. TOOH. WOC overnight. Shut in and secured well.
- 6/2/24** Arrived on location and held safety meeting. Completed spiral gas check. Checked well pressures. TIH and tagged plug #2 at 3518'. R/U cementing services. Pumped 9.0 ppg mud spacer from 3518' to 2967'. L/D 17 joints. R/U cementing services. Pumped plug #3 from 2970' to 2644'. L/D 11 joints. R/U cementing services. Reverse circulated at 2600'. TOOH. WOC 4 hours. TIH tagged top of plug #3 at 2630'. R/U cementing services. Pumped 9.0 ppg mud spacer from 2630' to 2318'. L/D 10 joints and TOOH. Successfully pressure tested casing to 800 psi for 30 minutes. R/U wireline services. RIH and perforated at 2318'. POOH. R/D wireline services. Shut in and secured well.
- 6/3/24** Arrived on location and held safety meeting. Completed spiral gas check. Checked well pressures. R/U cementing services. Attempted to establish and injection rate into perforations at 2318'. Casing pressured up to 500 psi. R/U wireline services. RIH and perforated at 2308'. POOH. R/U cementing services. Attempted to establish an injection rate. Casing again pressured up to 500 psi. TIH to 2378'. R/U cementing services. Pumped plug #4 from 2370' to 2070'. L/D 10 joints. Reverse circulated at 2062'. TOOH. WOC overnight. Shutdown for the day.

- 6/4/24** Arrived on location and held safety meeting. Completed spiral gas check. Checked well pressures. TIH and tagged plug #4 at 2340'. R/U cementing services. Continued pumping plug #4 from 2340' to 2070'. L/D 8 joints. Reverse circulated. TOOH. WOC 4 hours. TIH and tagged plug #4 at 2070'. R/U cementing services. Attempted to pressure test casing, test failed. TOOH. R/U wireline services. RIH and perforated at 2065'. POOH. P/U packer. TIH and set packer at 1806'. Attempted to establish an injection rate, but casing pressured up. TOOH. L/D packer. R/U wireline services. RIH and perforated at 2055'. POOH. P/U packer. TIH and set packer at 1806'. Successfully established an injection rate. Shut down and secured well for the day.
- 6/5/24** Arrived on location and held safety meeting. Completed spiral gas check. Checked well pressures. P/U packer. TIH and set packer at 1806'. Successfully established an injection rate into perforations at 2055'. Pumped plug #5 into perforations at 2055' to 1900'. TOOH. WOC. TIH and tagged plug #5 at 1870'. Attempted to pressure test casing, test failed. R/U cementing services. Pumped 9.0 ppg mud spacer from 1870' to 465'. TOOH. R/U wireline services. RIH and perforated at 456'. POOH. R/D wireline. Shut down due to pump issues. Shut down and secured well.
- 6/6/24** Arrived on location and held safety meeting. Completed spiral gas check. Checked well pressures. R/U cementing services. Pumped plug #6 down casing, into perforations at 465' and out BH valve at surface. Used backhoe to safely expose wellhead. Set up welding unit on location. Performed wellhead cutoff. Removed old wellhead. Topped off both casing strings to surface with 26 sx. Welder attached marker per NMOCD regulations. Rig down unit and all equipment. Moved equipment to Roswell yard.

**Plug Summary:****Plug #1: (Perforations, and San Andres Formation Top, 4,623'-3,960', 54 Sacks Type I/II Cement)**

TIH and tagged tubing hanger or packer at 4625'. R/U cementing services. Establish circulation with 1 bbl of fresh water. Pumped plug #1 from 4623' to 4000'. L/D 20 joints Reverse circulate with fresh water at 3992'. TOOH. WOC 4 hours. TIH and tagged plug #1 at 4118'. R/U cementing services. Continued pumping plug #1 from 4116' to 4000'. TIH and tagged plug #1 at 3960'.

**Plug #2: (Grayburg and Queen Formation Tops, 3,924'-3,518', 31 Sacks Type I/II Cement)**

R/U wireline services. RIH and perforate at 3870'. POOH. R/D wireline services. TIH. Pumped plug #2 from 3924 to 3530'. L/D 13 joints and reverse circulated at 3518'. TOOH. WOC overnight. TIH and tagged plug #2 at 3518'.

**Plug #3: (Yates and Base of Salt Formation Tops, 2,970'-2,630', 25 Sacks Type I/II Cement)**

L/D 17 joints. R/U cementing services. Pumped plug #3 from 2970' to 2644'. Pumped plug #3 from 2970' to 2644'. TIH tagged top of plug #3 at 2630'.

**Plug #4: (Rustlers Formation Top, 2,370'-2,070', 44 Sacks Type I/II Cement)**

R/U wireline services. RIH and perforated at 2318'. POOH. R/D wireline services. Attempted to establish and injection rate into perforations at 2318'. Casing pressured up to 500 psi. R/U wireline services. RIH and perforated at 2308'. POOH. R/U cementing services. Attempted to establish an injection rate. Casing again pressured up to 500 psi. TIH to 2378'. R/U cementing services. Pumped plug #4 from 2370' to 2070'. L/D 10 joints. Reverse circulated at 2062'. TOOH. WOC overnight. TIH and tagged plug #4 at 2340'. R/U cementing services. Continued pumping plug #4 from 2340' to 2070'. L/D 8 joints. Reverse circulated. TOOH. WOC 4 hours. TIH and tagged plug #4 at 2070'.

**Plug #5: (2,055'-1,870', 31 Sacks Type I/II Cement)**

R/U wireline services. RIH and perforated at 2065'. POOH. P/U packer. TIH and set packer at 1806'. Attempted to establish an injection rate, but casing pressured up. TOOH. L/D packer. R/U wireline services. RIH and perforated at 2055'. POOH. P/U packer. TIH and set packer at 1806'. Successfully established an injection rate. P/U packer. TIH and set packer at 1806'. Successfully established an injection rate into perforations at 2055'. Pumped plug #5 into perforations at 2055' to 1900'. TOOH. WOC. TIH and tagged plug #5 at 1870'.

**Plug #6: (Surface, 465'-Surface, 179 Sacks Type I/II Cement) (26 sacks for top off)**

R/U wireline services. RIH and perforated at 456'. POOH. R/D wireline. R/U cementing services. Pumped plug #6 down casing, into perforations at 465' and out BH valve at surface. Topped off both casing strings to surface with 26 sx. Performed wellhead cutoff. Removed old wellhead. Topped off both casing strings to surface with 26 sx. Welder attached marker per NMOCD and BLM regulations.



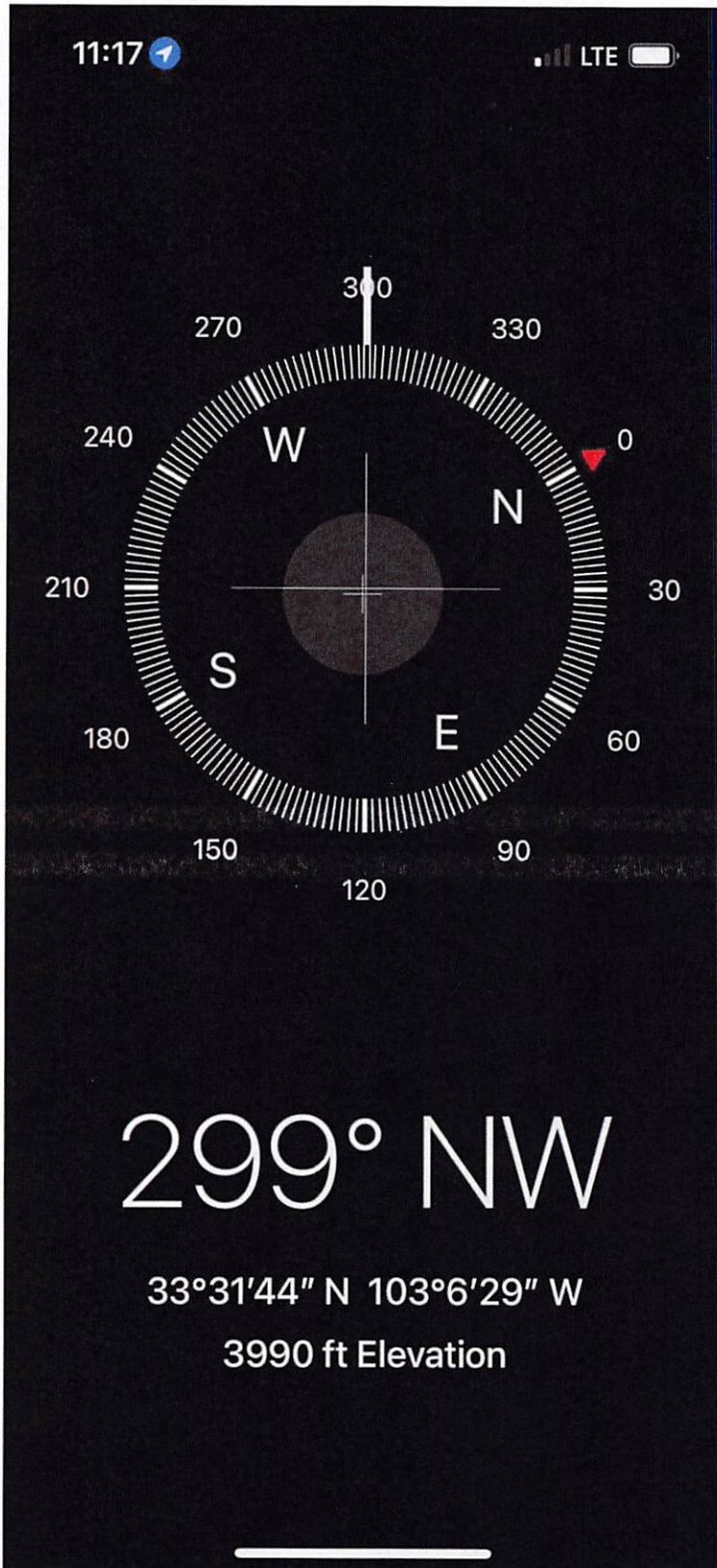


Figure 1: GPS



Figure 2: Top Off



Figure 3: Marker

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 361446

**CONDITIONS**

Operator: J.A. Drake Well Service Inc. 607 W Pinon Farmington, NM 87401	OGRID: 330485
	Action Number: 361446
	Action Type: [C-103] Sub. Plugging (C-103P)

**CONDITIONS**

Created By	Condition	Condition Date
loren.diede	None	8/1/2024