

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**NMOCD**  
**Hobbs**

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004

**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 29854 **NM-91048**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
Federal 27 #2

9. API Well No.  
30-041-20871

10. Field and Pool, or Exploratory Area  
Bluitt (Wolfcamp) Gas

11. County or Parish, State  
Roosevelt, NM

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
H. L. Brown Operating, LLC

3a. Address  
P. O. Box 2237, Midland, TX 79702

3b. Phone No. (include area code)  
432-683-5216

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2590' FSL, 330' FWL  
Unit L, Section 27, T-7-S, R37E

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" 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 type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input 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 recomplete 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 performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Propose to recomplete from Wolfcamp to Devonian. Two Devonian zones were tested during the original completion in 1993. The zones were abandoned and the well was completed in the Wolfcamp. Perfs were added in 1997 and in 2018 without adding any additional rate. The well is currently shut in due to being noncommercial.

**Procedure:**

- Squeeze cement Wolfcamp perfs 7945-74', 8007-22', 8094-8102', 8146-52'
- Drill out cement retainer set above the Devonian at 8794' *max test casing see COAs*
- Perforate Devonian 8834-42'. Acidize w/ 1000 gal. 15% HCl. Swab test. Set RBP above perfs.
- Perforate Devonian 8662-8702'. Acidize w/ 3000 gal. 15% HCl. Swab test. Retrieve RBP.
- Produce* Recomplete Devonian zones and put well on pump.

Well will be recompleted to Bluitt (Devonian) field.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)  
Kenneth D. Krawietz Title Operations Manager

Signature *Kenneth D. Krawietz* Date 6/27/19 APPROVED

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

Approved by *[Signature]* Title \_\_\_\_\_ Date JUL 01 2019

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 BUREAU OF LAND MANAGEMENT  
ROSWELL FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 18 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 or to furnish any false, fictitious or fraudulent information.

(Instructions on page 2)

**Provide C102 for Devonian pool  
to NMOCD**

*[Signature]*  
BUREAU OF LAND MANAGEMENT  
ROSWELL FIELD OFFICE

H.L. Brown Operating, L.L.C.

**Federal 27 #2**

2590' FSL & 330' FWL, Unit L, Sec 27, T-7-S, R-37-E, Roosevelt Co, NM  
 Field: Bluit Wolfcamp Elev: 4055', KB: 4066' (11' AGL) API # 30-041-20871

**Spud: 9/28/93**  
**Compl: 10/31/93**

**Production**  
 Initial: 330 MCF/D  
 Current: 0 MCF/D SI  
 Cum: 578 MMCF

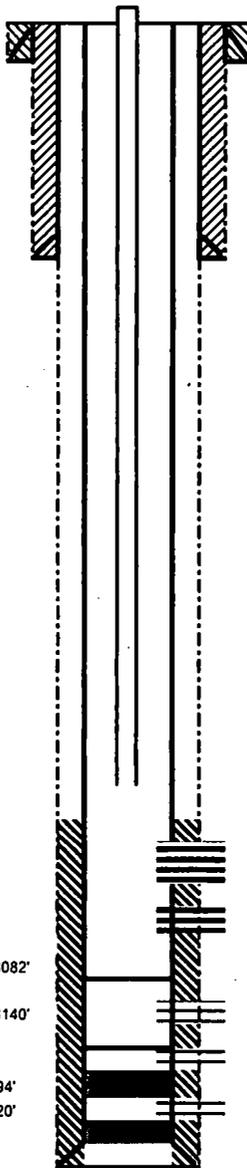
**Current Status: Flowing Gas**

**Surface Casing**

13-3/8", 54.5#, J-55 @ 579'  
 500 sxs, circulated 200 sxs  
 17-1/2" Hole

**Intermediate Casing**

8-5/8", 32#, J-55 @ 3902'  
 1525 sxs, circulated to surf.  
 11" hole



2-7/8" CS-Hyd, N-80 @ 7778' w/ SN on btm.

**Wolfcamp**

112/93 perfed 7945-74' (4spf - 44 holes)  
 Treated w/ 4800gals 15% NEFE w/ 55 balls  
 Acid frac w/ 10kgals gel, 7.5kgals HCl and  
 17.5kgals CO<sub>2</sub>  
 9/18 Perf Wolfcamp 7945-8022  
 9/1/ Acidize all perms w/ 4000 gal 15% NEFE  
 10/97 perfed @ 8094 - 8102 (4spf - 32 holes)  
 Treated w/ 3100 gal 15% HCL  
 10/97 perfed @ 8146-52' (4spf - 24 holes)  
 Treated w/ 750 gal 15% HCL w/ additives  
 Both swb'd 100% wr

**Devonian Perfs**

11/93 perfed 8834-65' (4spf - 52 holes)  
 Treated w/ 250gals xylene & 2325gals 15% HCl  
 Flowed 75% wr  
 11/93 perfed 8926-33' (4spf - 32 holes)  
 Treated w/ 250 gal 15% HCL w/ NEFE  
 Tested 100% wr

CIBP @ 8082'

**Production Casing** CIBP @ 8140'  
 5-1/2" 17-20 J-55 / N-80 @ 9035'  
 700 sxs, TOC @ 7810' by CBL  
 7-7/8" Hole Cmt Retnr @ 8794'  
 Cmt Retnr @ 8920'

PBD @ 8072'  
 TD @ 9035'

**Logs run**

**Open Hole:** 10/93 dipmeter, (7200 - 9018')  
 10/93 GR-FDC-CNL (195 - 9018')

**Mud logs:** 10/93 (7650 - 9035')

**Cores:** None Taken

**Cased Hole:** 10/97 GR-CCL (7772-8130')  
 10/93 GR-CBL-CCL (7700 - 8928')

**Federal 27 2**  
**30-041-20871**  
**H. L. Brown Operating, LLC**  
**July 1, 2019**  
**Conditions of Approval**

**Notify BLM at 575-627-0205 a minimum of 24 hours prior to commencing work.**

**Work to be completed by October 1, 2019.**

1. **Operator shall squeeze perfs as proposed and drill out cement retainer.**
2. **Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.**
3. **Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.**
4. **Surface disturbance beyond the originally approved pad must have prior approval.**
5. **Closed loop system required.**
6. **All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.**
7. **Operator to have H2S monitoring equipment on location.**
8. **A minimum of a 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.**
9. **Subsequent sundry required detailing work done and completion report for the new formations. Operator to include well bore schematic of current well condition when work is complete.**
10. **See attached for general requirements.**

**BUREAU OF LAND MANAGEMENT**  
**Roswell Field Office**  
**2909 W. Second Street**  
**Roswell, New Mexico 88201**  
**575-627-0272**

**General Requirements for Plug Backs**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from this approval.

**If you are unable to plug back the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. Call 575-627-0205.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. **Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.