

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

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

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 L.L.C.

OGRID # 213179

3a. Address

300 W. Louisiana, Midland, Texas 79701

3b. Phone No. (include area code)

915-688-3726

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL & 660' FWL

Unit E, Sec 8, T-21-S, R-27-E

5. Lease Serial No.

NM - 38458

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Federal 8 #1

9. API Well No.

30 - 015 - 23098

10. Field and Pool, or Exploratory Area

Foster Draw Delaware

11. County or Parish, State

Eddy Co., NM

12. CHECK 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"/> 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>add pay in the lower Cherry Canyon</u>
	<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

- 02-17/19-03: MIRU Pool rig and POH with tubing. Tested tubing in hole and tagged PBTD at 3792'.
- 02-20-03: RU Apollo wireline and perforated from 3644 to 3656' using 4" casing gun at 4 SPF, 120° phasing - shot 49 holes. RD wireline and RIH with Arrow 1X packer on 2-3/8" CS Hydril tubing. Set packer at 3607'. Swabbed dry.
- 02-21-03: RU Cudd, acidized perms from 3644' to 3656' with 4,500 gals 7.5% MSR and 60 ball sealers. Left flowing to the tank.
- 02-24-03: RU swab and tagged FL at 3000'. Made 9 runs and recovered 5 BW and 1 BO. SI to evaluate. RDMO.
- 03-18-03: RU swab. Made 9 runs and recovered 9 BO, 0 BW and a trace of gas.
- 04-10-03: RU BJ and fraced lower Cherry Canyon with 9700 gals Spectra Frac 25 and 18,850# 12/20 Super LC sand. Well screened out at 2900 psi during middle of 6 PPG stage. SD and cleaned out lines. RDMO BJ services.
- 04-11-03: MIRU Eunice Well Service. Pumped KCl down the casing, ND wellhead and NU BOP. Released the packer, POOH 45' and the packer stuck at 3570'. SION.
- 04-12/23-03: Ran free-point, cut tubing and POH. RIH with several shoes and washed over packer and recovered all tubing and on/off tool. Milled on packer and pushed down to 3659' - 3' below bottom perf. LD fishing tools.
- 04-24-03: Killed well and ran production equipment. Set TAC at 3470' and SN at 3468'. Placed on production.
- 04-25-03: Pumped 38 BO, 57 Bw & 37 Mcf

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Robert McNaughton

Signature

Title

Petroleum Engineer

Date

5-30-03

THIS 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, makes 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 reverse)

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

Federal 8 #1	
1980' FNL & 660' FWL, Unit E, Sec 8, T-21S, R-27E, Eddy Co, NM	
Field: Foster Draw - Delaware Gas	API # 30-016-23098

Elev: 3221' GL, KB = 3239'

Status: pumping oil

Spud: 12/29/79

Original Completion: 03/07/80

Current Completion: 04/25/03

12-3/4", 34# @ 600'
665 sx, DNC
pumped 450 sx- 4 stages, circ
17-1/2" hole

8-5/8", 24/32#, J-55 @ 2800'
1125 sx, toc @ 1100' by temp
1" to surface w/ 375 sx
11" hole

110 jts 2-3/8", 4.6#, J-55, 8rd EUE, TAC @ 3470', SN @ 3468'

Cherry Canyon Perfs: 3532' - 3554'
@ 2 SPF, 45 holes, 1000 gal 7.5%, 13/17 foam frac

Cherry Canyon Perfs: 3644' - 3656'
@ 4 SPF, 49 holes, 4500 gal 7.5%, 10/19 frac- 12/20 RCS (03/03)
junked Arrow 1X packer pushed to 3659'

Retainer @ 3858', 315 sx 'C', TOC @ 3120' by CBL
Squeeze perfs @ 3940', PBDT tagged at 3792' - (02/03)

Retainer @ 4666', 75 sx 'C', ~ 150' fill
Squeeze perfs @ 4827'

Retainer @ 8650', 40 sx 'H', TOC ~ 8314'
Squeeze perfs @ 8800', could no pump in

CIBP @ 10,050' w/ 35' cement

Strawn Perfs: 10,150' - 10,574'
@ 1 SPF, 42 holes, 7500 gal 20% NEFE
@ 4 SPF, 208 holes, 12,000 gals 20% NEFE, 4 stages

25 sx "C" on top of packer, EOT at 10,834'
Baker Model "D" packer w/ F nipple at 10,842'

Morrow Perfs: 10,902' - 11,348'
@ 1 SPF, 19 holes, 4K acid, 12/14.5 frac

Baker Model "D" packer w/ F nipple at 11,360'

Morrow Perfs: 11,422' - 11,468'
@ 1 SPF, 24 holes, 2K acid, 15/20 KCl frac

5-1/2", 17#, K55/N80 @ 11,675'
875 sx, TOC @ 9450' by temp.
7-7/8" Hole

PBDT @ 3792'

TD @ 11,675'