12131415167 Oil Cons. N.M. DIV-Dist. 2 Form 3160-5 DEPARTMENT OF THE INTERIOR 1301 W. Grand Avenue FORM APPROVED OMB No. 1004-0135 Expires July 31, 1996 (November 1999) 4567 Artesia, NM 88219. Lease Serial No. RECEIVED **BUREAU OF LAND MANAGEMENT** OCD - ARTESIA SUNDRY NOTICES AND REPORTS ON WELLS NM - 38458Do not use this form for proposals to drill or to re-enter an 6. If Indian, Allottee or Tribe Name abandoned well. Use Form 3160-3 (APD) for such proposals. 7. If Unit or CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE . Other Instructions on reverse side Type of Well Oil Well Gas Well Other 8. Well Name and No. Federal 8 #1 Name of Operator API Well No. H.L. Brown Operating L.L.C. OGRID # 213179 30 - 015 - 23098 3b. Phone No. (include area code) 3a. Address 10. Field and Pool, or Exploratory Area 300 W. Louisiana, Midland, Texas 79701 915-688-3726 Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980 FNL & 660 FWL Foster Draw Delaware 11. County or Parish, State Unit E, Sec 8, T-21-S, R-27-E Eddy Co., NM 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION **□** Water Shut-Off Acidize Deepen Production (Start/Resume) Notice of Intent Well Integrity ☐ Alter Casing Fracture Treat ☐ Reclamation Other add pay in the Subsequent Report Casing Repair **New Construction** Recomplete lower Cherry Canyo ☐ Change Plans Plug and Abandon Temporarily Abandon ☐ Final Abandonment Notice Convert to Injection ☐ Plug Back 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'. RU Apollo wireline and perforated from 3644 to 3656' using 4" casing gun at 4 SPF, 120° phasing - shot 49 holes. 02-20-03: RD wireline and RIH with Arrow 1X packer on 2-3/8" CS Hydril tubing. Set packer at 3607'. Swabbed dry. RU Cudd, acidized perfs from 3644' to 3656' with 4,500 gals 7.5% MSR and 60 ball sealers. Left flowing to the tank. 02-21-03: 02-24-03: RU swab and tagged FL at 3000'. Made 9 runs and recovered 5 BW and 1 BO. SI to evaluate. RDMO. RU swab. Made 9 runs and recovered 9 BO, 0 BW and a trace of gas. 03-18-03: 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. MIRU Eunice Well Service. Pumped KCI down the casing, ND wellhead and NU BOP. Released the packer, 04-11-03: POOH 45' and the packer stuck at 3570'. SION. Ran free-point, cut tubing and POH. RIH with several shoes and washed over packer and recovered all tubing and 04-12/23-03: on/off tool. Milled on packer and pushed down to 3659' - 3' below bottom perf. LD fishing tools. Killed well and ran production equipment. Set TAC at 3470' and SN at 3468'. Placed on production. 04-24-03: 04-25-03: Pumped 38 BO, 57 Bw & 37 Mcf 14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Title Petroleum EnAGGEPTED FOR RECORD Robert McNaughton Signature 5-30-0B THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by Date S BABYAK 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.

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.

Federal 8 #1

1980' FNL & 660' FWL, Unit E, Sec 8, T-21S, R-27E, Eddy Co, NM

PBTD @ 3792'

TD @ 11,675'

Field: Foster Draw - Delaware Gas

API # 30-015-23098

Elev: 3221' GL, KB = 3239'

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 Status: pumping oil

Original Completion: 03/07/80
Current Completion: 04/25/03

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', PBTD tagged at 3792' - (02/03)

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

Retainer @ 8650', 40 sx 'H', TOC \sim 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

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