

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

5. Lease Serial No.
NM 0555078

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS

Contact: PEGGY COLE

E-Mail: pbradfield@br-inc.com

3a. Address

3401 EAST 30TH
FARMINGTON, NM 87402

3b. Phone No. (include area code)

Ph: 505.326.9727
Fx: 505.326.9563

8. Well Name and No.

HELMS FEDERAL 1E

9. API Well No.

30-045-25047

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

Sec 22 T30N R10W Mer NWNW 805FNL 790FWL

10. Field and Pool, or Exploratory

BLANCO MESAVERDE/BASIN DAKOT

11. County or Parish, and State

SAN JUAN COUNTY, 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 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 recompleate 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 recompleation 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.)

(7-23-01) MIRU. ND WH. NU BOP. TOOH w/2-3/8" tbg. TIH w/CIBP, set @ 7200'. TIH w/pkr, isolate hole in csg @ 5715-5746'. SDON.
(7-24-01) Set pkr @ 2965'. PT annulus to 1000 psi, OK. TOOH w/pkr. TIH w/RBP & pkr. Set RBP @ 5715', pkr @ 5715'. Isolate holes in 4-1/2" csg @ 4708-4968'. Pump into formation. Isolate holes in casing @ 5684-5746'. Pump into formation. TOOH w/RBP & pkr.
(7-25-01) (Verbal approval from Wayne Townsend, BLM, to squeeze) TIH w/4-1/2" cmt ret, set @ 5549'. Sqz holes in csg @ 5684-5746' w/200 sx Class "G" neat cmt. Circ out 65 bbls cmt. SDON.
(7-26-01) Ran GR/CCL/CBL @ 5380-4086', no cmt behind pipe. TIH w/CIBP, set @ 4846'. Perf 2 sqz holes @ 4394'. TIH w/cmt ret, set @ 4641'. PT lines to 3000 psi, OK. Cmt sqz holes @ 4394' w/500 sx Class "B" neat cmt. TOOH to 4332'. Circ csg volume down tbg, recovered 3 bbls gray cmt wtr. TOOH. SDON.
(7-27-01) TIH w/cmt ret, set @ 4350'. Cmt sqz perf holes @ 4394' w/150 sx Class "B" neat cmt. Reve circ 2.5 bbls gray cmt wtr. Perf 2 sqz holes @ 3560'. TIH w/pkr, set @ 3231'. Cmt sqz perf holes @ 3560' w/150 sx Class "B" neat cmt. WOC. Rls pkr. TOOH w/pkr. SDON.
(7-28-01) PT 4-1/2" csg to 3000 psi, OK. TIH w/bit, tag cmt @ 3380'. Drill hard cmt @ 3380-3560'. PT sqz holes @ 3560' to 1000

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

Electronic Submission #6666 verified by the BLM Well Information System
For BURLINGTON RESOURCES OIL & GAS, sent to the Farmington

Name (Printed/Typed) PEGGY COLE

Title REPORT AUTHORIZER

Signature

Date 08/22/2001

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 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.

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Additional data for EC transaction #6666 that would not fit on the form

32. Additional remarks, continued

psi, OK. TIH to 4336'. Drill hard cmt to 4356'. Drill on cmt ret @ 4356'. SDON.
(7-30-01) TOOH w/mill. TIH w/mill. Mill out cmt ret @ 4356'. Drill hard cmt to 4641'. PT sqz holes @ 4394', OK. Drill out cmt ret @ 4641'. Drill hard cmt to 4791'. Circ hole clean. SDON.
(7-31-01) Drill hard cmt to 4846'. PT csg to 1000 psi, OK. TIH to 5430'. Mill hard cmt to 5437'. PT csg to 1000 psi, OK. TOOH w/mill. Ran GR/CCL/CBL @ 5437-3000', good isolation on bottom & top w/no cmt in Lewis @ 3600-4110', TOC @ 3250'. TIH w/mill, mill out cmt to 5439'. TOOH w/mill. SDON.
(8-1-01) TIH w/mill to 5437'. Mill out to 5545'. Circ hole clean. PT csg to 1000 psi, OK. TOOH w/mill. SDON.
(8-2-01) Perf Point Lookout @ 5200, 5206, 5215, 5225, 5257, 5276, 5292, 5297, 5312, 5317, 5323, 5327, 5355, 5363, 5378, 5382, 5389, 5403, 5410, 5418, 5434, 5444 w/0.28" diameter holes. Brk dwn Point Lookout perfs.
(8-3-01) PT lines to 4000 psi, OK. Attempt to frac Point Lookout, unable to est. injection rate. TIH w/mill, tag fill @ 5410'. CO well.
(8-4-01) CO sand to 5544'. Circ hole clean. TOOH w/mill. PT lines to 4000 psi, OK. Frac Point Lookout w/6500 gals slk wtr pad, 14500 gals 25# lnr gel, 62000# sand. TIH w/CIBP, set @ 5150'. PT CIBP to 1000 psi, OK. Perf Menefee @ 4879, 4885, 4893, 4915, 4923, 4962, 4973, 4978, 4983, 5001, 5020, 5026, 5032, 5057, 5068, 5109, 5114, 5118 w/0.28" diameter holes. Brk dwn Menefee perfs. SDON.
(8-5-01) PT lines to 4000 psi, OK. Frac Menefee w/9800 gals slk wtr pad, 71000# 20/40 Brady sand. TIH w/CIBP, set @ 4380'. PT CIBP to 1000 psi, OK. Perf Lewis @ 3704, 3706, 3708, 3736, 3738, 3740, 3742, 3812, 3814, 3816, 3818, 3886, 3888, 3928, 3930, 3932, 3934, 3972, 3974, 4033, 4035, 4037, 4039, 4108, 4110, 4112, 4114, 4166, 4168, 4170, 4190, 4192, 4194, 4246, 4248, 4250, 4293, 4295, 4297, 4299 w/0.28" diameter holes. Spot acid. Frac Lewis w/10,000 gal 75 quality foam pad, 20# lnr gel, 200,000# 20/40 Brady sand, 1,124,500 SCF N2. Flow back well.
(8-6-01) Flow back well.
(8-7-01) TIH w/mill, tag up @ 4280'. CO to CIBP @ 4380'. Mill out CIBP @ 4380'. Blow well.
(8-8-01) Blow well. CO to 5150'. Mill out CIBP @ 5150'. Blow well overnight.
(8-9-01) CO to 5545'. Drill out cmt @ 5545-5549'. Mill out cmt ret @ 5549'. Drill out cmt @ 5549-5562'. TOOH w/mill. Flow well.
(8-10-01) Alternate blow & flow well.
(8-11-01) Flow test well.
(8-12-01) Flow test well.
(8-13-01) TIH, tag sand @ 5365'. CO sand @ 5365-5549'. Alternate blow & flow well.
(8-14-01) Alternate blow & flow well.
(8-15-01) TIH, tag sand @ 5538'. CO sand @ 5538-5569'. Drill hard cmt @ 5569-5715'. TIH to CIBP @ 7200'. Mill on CIBP @ 7200'. Circ hole clean. TOOH. Mill indicated downhole fire.
(8-16-01) TIH w/mill, tag tight spot @ 5327'. Est circ. Mill out tight spot @ 5327-5337'. Tag @ 7140'. TOOH. SDON.
(8-19-01) TIH, CO sand to 7200'. Mill out CIBP @ 7200'. Tag fill @ 7398'. CO to PBDT @ 7449'. Circ hole clean. TOOH w/mill. TIH w/221 jts 2-3/8" 4.7# J-55 tbg, set @ 6945'. SN @ 6913'. ND BOP. NU WH. RD. Rig released.

Well will produce as a Mesaverde/Dakota commingle under R11363.