

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.*

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. JIC98
2. Name of Operator ENERGEN RESOURCES CORP		6. If Indian, Allottee or Tribe Name JICARILLA APACHE
Contact: VICKI DONAGHEY E-Mail: vdonaghe@energen.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 2198 BLOOMFIELD HIGHWAY FARMINGTON, NM 87401	3b. Phone No. (include area code) Ph: 505.325.6800 Ext: 238 Fx: 505.326.6112	8. Well Name and No. JICARILLA 98 12A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T26N R3W SESW 1160FSL 1920FWL		9. API Well No. 30-039-27312-00-X1
		10. Field and Pool, or Exploratory BLANCO TAPACITO
		11. County or Parish, and State RIO ARRIBA 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 type="checkbox"/> Recomplete	<input checked="" 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 recompleat 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 recompleat 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.)

03/25/03 Loaded hole with water. NU frac valve. Pressure test casing to 3500 psi-ok. RU wireline. Ran cement bond log from 6046' to 3100'. TOC @ 5694'

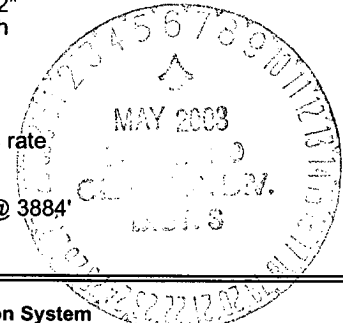
03/26/03 Received verbal approval from Brian Davis, BLM, to squeeze cement and repair 4-1/2" liner. MIRU. Perforate 2 squeeze holes @ 5674' & 3980'. Set cement retainer @ 4000'. TIH with tubing.

03/27/03 Sting into retainer and establish circulation. Squeeze cement with 150 sks 50/50 poz, 3#/sk gilsonite, 0.5% Halad-9. Good circulation to surface. Stung out of retainer. Reverse out drilling mud & LCM. Job witnessed by Bryce Hammond, Jicarilla Oil & Gas. WOC.

03/28/03 TOH. TIH with bit. Tag retainer @ 4000'. Pressure test squeeze hole 3980'. Establish rate 2 bbls/minute @ 800 psi. TOH. TIH w/packer, set @ 3800'.

03/29/03 Squeeze with 50 sks Class B, 0.3% Halad-9. Release packer. Reverse out. WOC.

03/31/03 Test squeeze to 2600 psi-ok. Release packer. TOH. TIH with 6-1/8" bit, tag cement @ 3884'



14. I hereby certify that the foregoing is true and correct.	
<p align="center"><b>Electronic Submission #20806 verified by the BLM Well Information System For ENERGEN RESOURCES CORP, sent to the Rio Puerco Committed to AFMSS for processing by Angie Medina-Jones on 04/24/2003 (03AMJ0400SE)</b></p>	
Name (Printed/Typed) VICKI DONAGHEY	Title PRODUCTION ASSISTANT
Signature (Electronic Submission)	Date 04/18/2003

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

Approved By <b>ACCEPTED</b>	BRIAN W DAVIS Title DIVISION OF MULTI-RESOURCES	Date 05/01/2003
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 Rio Puerco

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**Additional data for EC transaction #20806 that would not fit on the form**

**32. Additional remarks, continued**

and drill out to 3896'. TOH. TIH with 3-7/8" bit and drill cement @ 3980'. TIH and tag retainer. Circulate hole clean. Pressure test casing to 2900 psi-ok. Drill out retainer.

04/01/03 Drill out retainer. Clean out to 5476'. TOH.

04/03/03 TIH with new bit. Clean out to 6094'. Circulate hole clean.

04/04/03 Circulate hole with 2% KCL water. TOH.

04/07/03 RU wireline. Ran CBL log. Good cement to 4990' & from 4230' to 3980'. Perforate 5732' to 5907' with 38 holes. TIH with packer.

04/08/03 TIH with packer, set @ 5488'. Acidize perms with 1000 gals 15% HCL. TOH. NU frac valve.

04/09/03 Frac well with 94,527 gals 70Q 20# linear gel foam & 140,000# 20/40 sand. Set frac plug @ 5400'. Test to 3000 psi-ok. Perforate PC from 3660' to 3690' with 30 holes. Acidize with 1000 gals 15% HCL and frac with 45,654 gals 70Q 20# linear gel foam & 60,000# 20/40 sand. Flow well back to pit. Continue with well completion operations.