certify that the applicant holds legal or equitable title to the which would entitle the applicant to conduct operations there		ect lease			
(s/ David R. Sitziei Conditions of approval, if any, are attached. Approval of th	is notice does not wa	rrant or Office	ııı-Hesou	rces	. FD 7 7 room
() Tules s	PACE FOR FED	ERAL OR STATE OFF			
Name (Printed/Typed) Vicki Donaghey		Regulat Date 11/8/200	tory Analys	<u>t</u>	
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)		Title			
determined that the final site is ready for final inspection Energen Resources plans to plug & ai	n.)	- -		A SOLITOR OF THE SOLI	originated, and the operator has
13. Describe Proposed or Completed Operation (clearly staff the proposal is to deepen directionally or recomplete Attach the Bond under which the work will be perfor following completion of the involved operations. If the testing has been completed. Final Abandonment Notice.	e horizontally, give sumed or provide the F me operation results in ices shall be filed onl	bsurface locations and meas lond No. on file with BLM/ a multiple completion or re	sured and true ver BIA. Required s scompletion in a s	rtical depths of subsequent reponential a l	all pertinent markers and zones. rts shall be filed within 30 days Form 3160-4 shall be filed once
Final Abandonment Notice	Change Plans Convert to Injection		Water Disp		
Subsequent Report	Alter Casing Casing Repair	Fracture Treat New Construction	Reclamation Recomplete		Well Integrity Other
X Notice of Intent	Acidize	Deepen	Production	(Start/Resume)	Water Shut-Off
TYPE OF SUBMISSION	TYPE OF ACTION				
12. CHECK APPROPRIATE BO	OX(ES) TO IND	ICATE NATURE OF N	OTICE, REP	ORT, OR OT	THER DATA
				11. County or Parish, State San Juan NM	
1760' FNL, 790' FWL Sec. 32, T26N, 1	•			South Bla	nco Pictured Cliffs
2198 Bloomfield Highway, Farmington, 1 4. Location of Well (Footage, Sec., T., R., M., or Survey Des	505.325.6800 I	505.325.6800 Ext.238		10. Field and Pool, or Exploratory Area	
3a. Address	3b. Phone No. (include are	o. Phone No. (include area code)		076	
Energen Resources Corporation				9. API Well N	<u></u>
1. Type of Well Oil Well X Gas Well Other 2. Name of Operator				8. Well Name and No. Jicarilla 123 C 19	
SUBMIT IN TRIPLICATE - Oti	her instructions	on reverse side		7. If Unit or (CA/Agreement, Name and/or No
åbandoned well. Use Form 3160-3 (APD) for such proposals.				Jicarilla	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an				Jic Cont	120 Allottee or Tribe Name
BUREAU OF LAND MANAGEMENT				5. Lease Seri	al No.
(April 2004) DEPARTMENT OF THE INTERIOR				OMB NO. 1004-0137 Expires March 31, 2007	
	D STATES	•		1/	ORM APPROVED

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and will all the property of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator Energen Res. Corp. Well Name Jic 120 C19

- 1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
- 2. For wells on Federal leases, Cole Thomas with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.

For wells on Jicarilla leases notify Bryce Hammond with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-1783 ext. 28.

- 3. Blowout prevention equipment is required.
- 4. The following modifications to your plugging program are to be made :

None

PLUG AND ABANDONMENT PROCEDURE

Jicarilla 120 C #19

South Blanco Pictured Cliffs 1760' FNL & 790' FWL, Section 32, T26N, R4W Rio Arriba County, New Mexico, API #30-039-22076

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

- Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Energen safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
- 2. PU and tally 1-1/4" tubing workstring. Roundtrip 2.875" gauge ring to 3121'.
- 3. Plug #1 (Pictured Cliffs perforations, Fruitland, Kirtland and Ojo Alamo tops, 3121' 2715'):
 TIH and set 2.875" CIBP at 3121'. Load casing with water and circulate well clean. Pressure test casing to 500 PSI. If casing does not test, then spot or tag subsequent plugs as appropriate. Spot 15 sxs Type III cement inside casing above CIBP to isolate the Pictured Cliffs perforations through the Ojo Alamo top. TOH with tubing.
- 4. Plug #2 (Nacimiento top, 1860' 1760'): Perforate 2 squeeze holes at 1860'. If the casing pressure tested after plug #1, then attempt to establish rate into squeeze holes. Mix and pump 53 sxs Type III cement down the 2.875" casing, squeeze 45 sxs outside the casing and leave 8 sxs inside casing, displace to 1500'. If the casing leaks, then set 2.875" wireline cement retainer at 1810'. TIH with stinger and set cement plug, use only 4 sxs inside the casing. TOH and LD tubing.
- 5. Plug #3 (8-5/8" Surface casing, 179' Surface): Perforate 2 squeeze holes at 179'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 60 sxs Type III cement down the 2.875" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
- 6. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

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