Form 3160-5 (April 2004)

UNITED STATES . DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 RCVD JAN5'0': Expires March 31, 2007 OK CONS. DIL

5. Lease Serial No.

DIST G

SUNDRY NOTICES AND REPORTS ON WELLS				SF077710	
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals 26 PM 3: 1			6. If Indian, Al	llottee or Tribe Name	
SUBMIT IN TRIPLICATE -	Other instructions	s on reverse side	CELVED	7. If Unit or Ca	A/Agreement, Name and/or No.
1. Type of Well Oil Well X Gas Well Other 2. Name of Operator		210 FAR		8. Well Name a	1
ENERGEN RESOURCES CORPORATION		2h Dhone No Gardedo a		9. API Well No.	
3a. Address		3b. Phone No. (include area code)		30-045-082	
2198 Bloomfield Highway, Farmington, NM 87401 505-325-6800 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1180' FSL, 1840' FWL, Sec. 14, T29N, R12W, N.M.P.M.			10. Field and Pool, or Exploratory Area Basin Dakota 11. County or Parish, State San Juan NM		
12. CHECK APPROPRIATE	BOX(ES) TO IND	DICATE NATURE OF	NOTICE, REP	ORT, OR OT	HER DATA
TYPE OF SUBMISSION	TYPE OF ACTION				
Notice of Intent X Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injection		Reclamation Recomplet Temporari Water Disp	te ly Abandon posal	Water Shut-Off Well Integrity Other
13. Describe Proposed or Completed Operation (clearly if the proposal is to deepen directionally or recomp Attach the Bond under which the work will be perfollowing completion of the involved operations. It testing has been completed. Final Abandonment is determined that the final site is ready for final inspectional procedure.	plete horizontally, give s rformed or provide the If the operation results i Notices shall be filed on ction.)	subsurface locations and mea Bond No. on file with BLM in a multiple completion or a ally after all requirements, in	asured and true ver M/BIA. Required s recompletion in a recluding reclamation	rtical depths of a subsequent report new interval, a Fo on, have been co	all pertinent markers and zones. Its shall be filed within 30 days orm 3160-4 shall be filed once impleted, and the operator has

14. I hereby certify that the foregoing is true and correct Name (Printed Typed)	Title	
Vicki Donaghey	Regulatory An	alyst
Vicio Donackey	Date 12/21/06	MOREIMIEAN
() THIS SPACE FOR I	FEDERAL OR STATE OFFICE US	E IAN 0 3 2007
Approved by	Title	Date FARAGON PAR POSFICE
Conditions of approval, if any, are attached. Approval of this notice does n certify that the applicant holds legal or equitable title to those rights in the which would entitle the applicant to conduct operations thereon.	ot warrant or subject lease	Su

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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.



A-PLUS WELL SERVICE, INC.

P.O. BOX 1979 Farmington, New Mexico 87499 505-325-2627 * fax: 505-325-1211

Energen Resources Corporation Hardie F #1

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1180' FSL & 1840' FWL, Section 14, T-29-N, R-12-W San Juan County, NM Lease Number: SF 077710 API #30-045-08237

Plug and Abandonment Report

Notified BLM / NMOCD on 11/10/06

Work Summary:

- 11/10/06 Move on location. RU rig. Check well pressures: 15 PSI on tubing and casing; 50 PSI on bradenhead. Lay relief lines to pit. SDFD.
- 11/13/06 Finish laying relief lines to pit. ND wellhead. NU BOP, test. Well unloaded paraffin / drip. TOH with 199 joints 2.375" tubing, SN, 1 joint and saw tooth collar, 6159'. Note: tight joints; had to heat collars on break. RIH with 4.5" gauge ring to 4073'; unable to continue further. Procedure showed squeeze job from 4125' to 3391'. Round trip 4.5" scraper through tight spot at 4073' and to 6096'. TIH with 4.5" DHS CR to 5786'. Rig died. Approximately 400 gallons of diesel stolen over weekend. Notify San Juan County Sherriff. Shut in well. SDFD.
- 11/14/06 TIH with tubing and set 4.5" DHS CR at 6075'. Load tubing with 19 bbls of water. Pressure test to 1500 PSI, held OK. Sting into CR. Load casing and establish circulation with 70 bbls of water. Shut in. Attempt to pressure test casing, establish rate 2 bpm at 750 PSI.

Plug #1 with CR at 6075', spot 12 sxs Type III cement (16 cf) inside the casing above the CR to 5899' to isolate the Dakota perforations and top.

PUH and WOC. Perforate 3 holes at 5332'. TIH with 4.5" DHS CR and set at 5282'. Load casing with 4 bbls of water. Attempt to pressure test casing, establish rate 2 bpm at 750 PSI. Sting into CR and establish rate into squeeze holes 1 bpm at 1000 PSI.

Plug #2 with CR at 5282', mix and pump 46 sxs Type III cement (61 cf), squeeze 35 sxs outside the casing and leave 11 sxs inside the casing up to 5179' to cover the Gallup top.

PUH and WOC. Shut in well. SDFD.

11/15/06 TIH with tubing and tag cement at 5163'. TOH with tubing. Load casing with water. Attempt to pressure test casing, establish rate 2 bpm at 750 PSI. Perforate 3 holes at 3264'. TIH with 4.5" DHS CR and set at 3214'. Load casing with water and pressure test to 800 PSI, held OK.

Plug #3 with CR at 3214', mix and pump 46 sxs Type III cement (61 cf), squeeze 35 sxs outside the casing and leave 11 sxs inside the casing up to 3111' to cover the Mesaverde top.

TOH with tubing. Perforate 3 holes at 2607'. TIH with 4.5" DHS CR and set at 2557'. Load casing with water. Establish rate below CR into squeeze holes 1 bpm at 800 PSI.

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Work Summary – Continued:

Plug #4 with CR at 2557', mix and pump 46 sxs Type III cement (61 cf), squeeze 35 sxs outside the casing and leave 11 sxs inside the casing up to 2553' to cover the Chacra top.

PUH to 1728'. Load casing with water.

Plug #5 spot 7 sxs Type III cement (10 cf) inside the casing from 1728' up to 1631'. Need more cement. TOH with tubing. Shut in well. SDFD.

11/16/06 TIH with tubing and tag cement at 1600'. Load casing with water.

Plug #5a spot 10 sxs Type III cement (13 cf) inside the casing from 1600' up to 1453' to cover the Pictured Cliffs top.

TOH with tubing. Perforate 3 holes at 1360'. Establish rate into squeeze holes 2 bpm at 500 PSI. RIH with 4.5" PlugWell CR and set at 1310'. Establish rate into squeeze holes 2 bpm at 500 PSI.

Plug #6 with CR at 1310', mix and pump 46 sxs Type III cement (61 cf) squeeze 35 sxs outside the casing and leave 11 sxs inside the casing up to 1207' to cover the Fruitland top. Establish circulation out bradenhead during plug.

TOH and LD all tubing. Perforate 3 holes at 524'. Establish circulation out the bradenhead with 100 bbls of water.

Plug #7 with 211 sxs Type III cement (279 cf) down the 4.5" casing from 524' to surface to cover the Kirtland, Ojo Alamo and surface shoe. Establish small trace of cement out the bradenhead annulus. Lost circulation. Connect pump to annulus. Mix and pump 153 sxs Type III cement (202 cf) down the annulus until pressured up to 1000 PSI, held. Pumped a total of 364 sxs cement at surface. WOC overnight. Dig out wellhead. Shut in well. SDFD.

- 11/17/06 ND BOP. Found cement down 8" in the 4.5" casing and at the surface in the annulus. Heard hissing sound from 4.5" casing. Monitored, sound died off. Fill 4.5" casing with water. Establish bubble every few seconds. Check with monitor, no sign of gas. Procedure change approved by BLM to WOC over weekend. SDFD.
- 11/20/06 No pressure. Wait on BLM representative to witness. ND BOP. No sign of air / gas. Okay by BLM to set P&A marker. Fill out Hot Work Permit. Cut off wellhead. Had to chip out cement from 4.5" casing and annulus to cut off wellhead. Mix 25 sxs Type III cement and install P&A marker. RD. MOL.
 - R. Snow and C. Ollom, BLM representatives, were on location.
 - R. Whiteley, A-Plus Rig Superintendent, was on location on 11/17/06 and 11/20/06.