Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENTO COLOR

FORM APPROVED OMB NO. 1004-0137 Expires March 31, 2007

5. Lease Serial No.

NMCT	079483

N	1SF	079	483				
6.	If In	dian.	Allott	ee or	Tribe	Name	

Do not use this	form for propos	als to drill	or to re-ente	r an 🗒
Do not use this abandoned well.	Use Form 3160-	3 (APD) fo	r such próp	sals!
		12		

SUNDRY NOTICES AND REPORTS ON WELLS

abandoned well. Use For	m 3160-3 (APD) for such propagals.	20 PM 2 28
SUBMIT IN TRIPLICATE -	Other instructions on reverse side	7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well Oil Well X Gas Well Other 2. Name of Operator	0.70 FA	RMINGTON #42078
Energen Resources Corporation		9. API Well No.
3a. Address	3b. Phone No. (include a	rea code) 30-039-27580
2198 Bloomfield Highway, Farmington		10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey I	Description)	Basin Fruitland Coal
1085' fsl, 1585' fwl, Sec 08, T30N	, RO4W, N.M.P.M	
se/nw		11. County or Parish, State
		Rio Arriba NM
12. CHECK APPROPRIATE	BOX(ES) TO INDICATE NATURE OF	NOTICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION	ТҮ	PE OF ACTION
X Notice of Intent	Acidize Deepen	Production (Start/Resume) Water Shut-Off
4 -	Alter Casing Fracture Treat	Reclamation Well Integrity
Subsequent Report	Casing Repair New Construction	Recomplete Other
AT _	X Change Plans Plug and Abandon	Temporarily Abandon
Final Abandonment Notice		<u> </u>
	Convert to Injection Plug Back	Water Disposal
testing has been completed. Final Abandonment I determined that the final site is ready for final insperences plans to make the third that the drilling plan from a sindicated on the attached C-102 at the Change the setting depth of the (MD) and cement with 600 sks of I	Notices shall be filed only after all requirements, in ction.) The following changes to the Carson vertical completion to a horizon and directional survey plan. To intermediate casing string followed by 125 sks of tail	ntal drill plan and completion as
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Nathan Smith	Title	ectional survey
A (s a THI	S SPACE FOR FEDERAL OR STATE O	FICE USE
Approved by Area Brunker	Title Pet.	they Date 4/22/05
Conditions of approval, if any, are attached. Approval certify that the applicant holds legal or equitable title which would entitle the applicant to conduct operations	of this notice does not warrant or Office of those rights in the subject lease thereon.	ŦÓ

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 68240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

Submit to Appropriate District Office

DISTRICT II 811 South First, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, NM 87505 2005 JUN 20 PM 2 28

State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	² Pool Code 71629	RECEIVED Pool Name 070 FARMIN (BASIN FRUITLAND COAL	•
⁴ Property Code		Property Name	* Well Number
		CARSON	207\$
TOGRID No.		• Elevation	
162928	ENERGEN RE	SOURCES CORPORATION	7294'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County	
С	8	30N	4W		1085'	NORTH	1585'	WEST	RIO ARRIBA	l

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	Bast/West line	County
M	8	30N	4W		660'	SOUTH	660'	WEST	RIO ARRIBA
12 Dedicated Acre	8		18 Joint or	infill	¹⁴ Consolidation C	ode	¹⁵ Order No.		
320.00 A	Acres -	(W/2)				,			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	DARD UNII HAS BEEN APPROVED BI	THE DIVIDION
FD B.L.M. BC N89°59°W S 89°59°34" W S 89°59°34" W S SURFACE LOCATION LAT. 36°49°50°N LONG. 107°16°53°W	5280.00' (R) FD B.L.M. BC 1953	17 OPERATOR CERTIFICATION i hereby certify that the information confidend herein is true and complete to the best of my knowledge and belief
1585' DATUM (NAD 1927)	S280.00' (R)	Signature Nathan Snith Printed Name Drilling Engineer Title 6/20/05 Date
N OCTOG" W S 14.56.30 W	× .50.00 ×	18 SURVEYOR CERTIFICATION I hereby certify that the soull location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
860' BH LOCATION S 89'59' W	5277.36' (R)	Signature and Seal of Marganions subreyor:

Drilling Plan Revised June 16, 2005

Carson #207S

General Information

Location 1085' fnl. 1585' fwl

nenw S08, T30N, R04W

Rio Arriba County, New Mexico

Elevations 7294' GL

Total Depth 4040' (TVD), 7447' (MD) Formation Objective Basin Fruitland Coal

Formation Tops

San Jose Surface
Nacimiento 2119'
Ojo Alamo Ss 3419'
Kirtland Sh 3619'

Fruitland Fm 3889' (TVD), 3944' (MD)
Intermediate Casing 4040' (TVD), 4445' (MD)
Top Coal 3989' (TVD), 4139' (MD)

Bottom Coal 4069' (TVD)
Pictured Cliffs Ss 4069' (TVD)

Total Depth 4040' (TVD), 7447' (MD)

Drilling

The 12 1/4" wellbore will be drilled with a fresh water mud system.

The 8 ¾" wellbore will be drilled with a low solids fresh water/polymer mud system. Weighting materials will be drill cuttings and if needed barite. Mud density is expected to range from 8.3 ppg to 8.9 ppg. The 6 ¼" wellbore will be drilled with a brine water system from intermediate casing point to total depth. Blowout Control Specifications:

A 3000 psi minimum double ram or annulus BOP stack will be used following nipple up of casing head. During air drilling operations, a Shaffer Type 50 or equivalent rotating head will be installed on top of the stack. A 2" nominal, 2000 psi minimum choke manifold will also be used. An upper Kelly Cock valve handle and drill string valve should be available to fit each drill string and be available on the rig floor during drilling operations.

Logging Program:

Open hole logs: None

Mud Logs: From Intermediate TD to total depth.

Coring: None

Natural Gauges: Surface casing point and/or every 500' to TD.

Tubulars

Casing, Tubing, & Casing Equipment:

String	Interval	Wellbore	Casing	Csg Wt	Grade
Surface	0'-200'	12 ¼"	9 5/8"	32.3 ppf	H-40 ST&C
Intermediate	200'-4040' (T 4445' (N	,	7"	23.0 ppf	J-55 LT&C
Production	4040'-4040 [°] (4380'-7447' (,	5 ½"	15.5 ppf	J-55 LT&C
Tubing	0'-4025 +/-'		2 3/8"	4.7 ppf	J-55

Casing Equipment:

Surface Casing: Depending on wellbore conditions, a Texas Pattern Guide Shoe on bottom. Casing centralization with standard bow spring centralizers to achieve optimal standoff.

Intermediate Casing: Depending on wellbore conditions, a Cement nose guide shoe with self fill insert float collar on top of bottom joint and casing centralization with standard bow spring and rigid centralizers to optimize standoff. Two turbolating centralizers at the base of the Ojo Alamo are recommended.

Wellhead

11" x 9 5/8" 3000 psi Casing Head. 11" x 7 1/16" 3000 psi Christmas Tree.

Cementing

Surface Casing: 125 sks Std (class B) with 1.0 % CaCl₂ and ¼ #/sk Flocele (15.6 ppg, 1.18 ft³/sk 147.5 ft³ of slurry, 100% excess to circulate to surface). WOC 12 hours. Pressure test surface casing to 600 psi for 30 min.

Intermediate Casing: Before cementing, circulate hole at least 1 ½ hole volumes of mud and reduce funnel viscosity to minimum to aide in hole cleanout. Depending on wellbore conditions, cement may consist of 600 sks 65/35 with 6.0 % Bentonite, 2.0 % CaCl₂, 10 #/sk Gilsonite, and ½ #/sk Flocele (12.3 ppg, 1.96 ft³/sk) and a tail of 125 sks of Standard (Class B) cement with 5 #/sk Gilsonite, and ½ #/sk Flocele (15.2 ppg, 1.24 ft³/sk). (1331 ft³ of slurry, 100 % excess to circulate to surface). WOC 12 hrs. Test casing to 1200 psi for 30 min.

Liner: NO CEMENT

Other Information

- 1) This well will be an open hole completion.
- 2) If lost circulation is encountered, sufficient LCM will be added to the mud system to maintain well control. The intermediate string may need to be cemented in multiple stages with a slurry design deviated from that listed above.
- 3) If high reservoir pressures or water flows are encountered slurry design may need to be deviated to from those listed above to satisfy wellbore and formation conditions.
- 4) No abnormal temperatures are anticipated, however reservoir pressures may be 1200 psi.
- 5) This gas is dedicated.

