

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0136
Expires: November 30, 2000

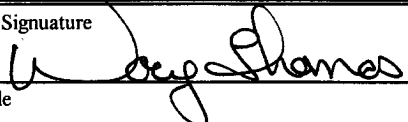
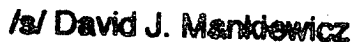
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF-079483-A	
1b. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. Indian, Allottee or Tribe Name	
2. Name of Operator Energen Resources Corporation		7. Unit or CA Agreement Name and No. San Juan 30-4 Unit 21994	
3a. Address 2198 Bloomfield Highway Farmington, New Mexico 87401		8. Lease Name and Well No. San Juan 30-4 Unit 55	
3b. Phone No. (include area code) (505)325-6800		9. API Well No. 30039 27280	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 1640' FSL, 1020' FEL At proposed prod. zone		10. Field and Pool, or Exploratory Blanco PC/Basin Fruitland Coal	
14. Distance in miles and direction from nearest town or post office* 10 miles Northeast of Ggobernador, New Mexico		11. Sec., T., R., M., or Blk. and Survey or Area I Sec. 9, T30N, R4W, N.M.P.M.	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 1020'		12. County or Parish Rio Arriba	
16. No. of Acres in lease 1178.30		13. State NM	
17. Spacing Unit dedicated to this well 5E/4 PC E/2 FC		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1400'	
19. Proposed Depth 4778'		20. BLM/BIA Bond No. on file	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7471' GL		22. Approximate date work will start* July 2003	
		23. Estimated duration 14 Days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

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| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Doug Thomas	Date 12/30/02
Title Drilling & Completion Foreman		
Approved by (Signature) 	Name (Printed/Typed) David J. Mandewicz	Date JUN 26 2003
Title Office		

Application approval 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.
Conditions of approval, if any, are attached.

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.

*(Instructions on Reverse)

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-27280	² Pool Code 72400 \ 71629	³ Pool Name Blanco Pictured Cliffs, East \ Basin Fruitland Coal
⁴ Property Code 21994	⁵ Property Name SAN JUAN 30-4 UNIT	
⁶ GRID No. 162928	⁷ Operator Name ENERGEN RESOURCES CORPORATION	⁸ Well Number 55
		⁹ Elevation 7471'

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
I	9	30N	4W		1640	SOUTH	1020	EAST	RIO ARriba

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	East/West line	County

¹² Dedicated Acres 160.0 Acres (SE/4) - PC 320.0 Acres (E/2) - FC	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

<div><p>16</p><p>5280.00'</p><p>5280.00'</p><p>1640'</p><p>1020'</p><p>9</p><p>070 Farmington, NM</p><p>2003 JAN - 6 AM 10:05</p><p>RECEIVED</p><p>5280.00'</p></div>	<div><p>¹⁷ OPERATOR CERTIFICATION</p><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p><p><i>Don Graham</i></p><p>Signature</p><p>Don Graham</p><p>Printed Name</p><p>Production Superintendent</p><p>Title</p><p>1-2-03</p><p>Date</p></div> <div><p>¹⁸ SURVEYOR CERTIFICATION</p><p>I hereby certify that the well 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.</p><p>Survey Date: NOVEMBER 20, 2002</p><p>Signature and Seal of Professional Surveyor</p><div><p>JASON C. EDWARDS</p><p>Certificate Number 15269</p></div></div>
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OPERATIONS PLAN

WELL NAME: San Juan 30-4 Unit #55

LOCATION: 1640' FSL, 1020' FEL, Section 9, T30N, R4W, Rio Arriba County, NM

FIELD: Basin Fruitland Coal/Blanco Pictured Cliffs

ELEVATION: 7471' GL

FORMATION TOPS:

Surface	San Jose
Nacimiento	2358
Ojo Alamo	3638
Kirtland	3823
Fruitland	4108
Pictured Cliffs	4258

Total Depth **4778**

LOGGING PROGRAM:

Open Hole Logs:

Surface to TD: HRI/SP/GR, CNT/LDT/MLT, MRIL

Mud Logs:	None
Coring:	None
Natural Gauges:	None

MUD PROGRAM: Fresh water low solids mud from surface to T. D. 9.0-9.2 PPG.

CASING PROGRAM:

<u>HOLE SIZE</u>	<u>DEPTH</u>	<u>CSG SIZE</u>	<u>WT.</u>	<u>GRADE</u>
12 1/4"	200'	9 5/8"	32.3#	H-40
7 7/8"	4778'	5 1/2"	15.5#	J-55

TUBING PROGRAM:

4700'	2 3/8"	4.7#	J-55
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WELLHEAD: 11" 3000 x 9 5/8" casing head. 11" 3000 x 7 1/16" 3000 xmas tree.

BOP SPECIFICATIONS:

An 11" 2000 psi minimum double gate BOP stack (Figure 1) 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 be used. An upper Kelly Cock valve with handle available and drill string valve to fit each drill string will be available on the rig floor during drilling operations.

CEMENTING:

9 5/8" surface casing - Cement with 110 sks Class B Cement with 1/4# flocele/sk and 2% calcium chloride (130 cu. ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing to 600# for 30 minutes.

Texas Pattern Guide Shoe on bottom.

5 1/2" production casing:

First Stage - cement with 160 sks Class B with 2% Calcium Chloride, 10% Gilsonite and 1/4# flocele/sks (202 cu. ft. of slurry, 50% excess to circulate stage tool @ 4000).

Second Stage - cement with 510 sks 65/35 Class B Poz with 6% gel, 2% calcium chloride, 10% gilsonite, and 1/4# flocele/sk. Tail with 50 sks Class B w/2% calcium chloride, 10% gilsonite and 1/4# flocele/sk. (1040 cu. ft. of slurry, 50% excess to circulate to surface). WOC 12 hrs.

Cement nose guide shoe on bottom with a self-fill insert float valve on top of shoe joint. 8 bow spring centralizers spaced every 3rd joint off bottom. One bow spring centralizer below and eight above stage tool at 4000. Two turbolating centralizers at the base of the Ojo Alamo.

OTHER INFORMATION:

- 1) No abnormal temperatures or pressures are anticipated.
- 2) If lost circulation is encountered, sufficient LCM will be added to the mud system to maintain well control.
- 3) This gas is dedicated.
- 4) Anticipated pore pressure for the Fruitland is 900 psi and the Pictured Cliffs is 1000 psi.