

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
June 19, 2008

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-039-24077
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Carracas Mesa 14
8. Well Number 1
9. OGRID Number 162928
10. Pool name or Wildcat Basin Fruitland Coal/Carracas PC

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other
2. Name of Operator Energen Resources Corporation
3. Address of Operator 2010 Afton Place, Farmington, NM 87401
4. Well Location Unit Letter <u>D</u> : <u>1100'</u> feet from the <u>North</u> line and <u>1100'</u> feet from the <u>West</u> line Section <u>14</u> Township <u>32N</u> Range <u>04W</u> NMPM County <u>Rio Arriba</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6270' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: Plug Fruitland Coal & Pay add PC ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Energen Resources plans to plug the Fruitland Coal perforations and pay add the Pictured Cliffs. See attached for procedure.

This will be a closed loop operation.

# Notify Aztec District office 24hrs prior to pressure test of the Fruitland plug so it can be witnessed

OIL CONS. DIV DIST. 3

MAY 21 2014

Notify NMOCD 24 hrs prior to beginning operations

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Justin Anchors TITLE District Engineer DATE 5/21/2014  
Type or print name Justin Anchors E-mail address: janchors@energen.com PHONE 505-325-6800

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE 6-13-14  
Conditions of Approval (if any): AR

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State of New Mexico  
Energy, Minerals & Natural Resources Department

MAY 30 2014

Form C-102

Revised October 12, 2005

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-24077	<sup>2</sup> Pool Code 96154	<sup>3</sup> Pool Name Carracas Pictured Cliffs
<sup>4</sup> Property Code 32903	<sup>5</sup> Property Name Carracas Mesa	
<sup>7</sup> OGRID No. 162928	<sup>8</sup> Operator Name Energen Resources Corporation	<sup>6</sup> Well Number 14 1  <sup>9</sup> Elevation 6270'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	14	32N	4W		1100	North	1100	West	Rio Arriba

<sup>11</sup> 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
Same									
<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.					

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.

	14	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Signature Date 5/29/2014 Justin Anchors Printed Name
		<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>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.</i>  Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number

**Energen Resources Corp.  
Carracas Mesa 14 #1  
API# 30-039-24077  
DP#3124077A  
AFE# SJ14-121**

Recommended Plugging Procedure:

1. MIRU WSU. POOH w/ rods. ND WH. NU BOP. PU extra TBG and tag PBTD. TOO H and lay down TBG while scanning.
2. PU scraper and TIH w/ 2-3/8" N-80 workstring to PBTD. POOH.
3. PU 7" cement retainer and TIH to 2870' (NOTE: Fruitland perms from 2880'-2923'). Establish injection rate.
4. Pump squeeze according to Halliburton procedure.
5. Sting out of cement retainer, pull up hole and WOC.
6. PU bit, drill collars, and drill out cement retainer and cement. Roll hole with clean fluid.
7. Pressure test CSG to 550 psi while charting for 30 minutes. Contact office if test fails.

**Energen Resources Corp.**  
**Pay Add Schedule – Carracas Mesa 14 #1**  
**API# 30-039-24077**  
**DP#3124077B**  
**AFE# SJ14-122**

Recommended Completion Procedure:

1. MIRU wireline. Load hole and pressure up to 500 psi. Run CBL from PBTD to surface. NOTE: If there is insufficient cement coverage, notify engineer to design plan for a cement squeeze.
2. TIH w/ packer and 3-1/2" J-55 frac string. Pressure test packer.
3. NU 5k frac valve and fracmaster compaction isolation tool. Pressure test frac valve, isolation tool, casing, frac liner and CBP to 3800psi. RDMO.
4. MIRU Wireline. TIH and perforate PC formation from 2945'-2950'. RDMO Wireline.
5. MIRU slickline and Halliburton. TIH and set BHP gauges. Pump D-FIT per Halliburton procedure. RDMO slickline and Halliburton. NOTE: Leave well shut-in for at least 7 days.
6. MIRU slickline. Retrieve BHP gauges. RDMO slickline.
7. MIRU WSU. Swab back fluid from D-FIT. RDMO WSU.
8. MIRU Wireline. Perforate PC from 2942'-2960' and 2980'-2990' at 3 SPF w/ 120° phasing. RDMO Wireline.
9. MIRU Halliburton. Fracture the PC per Halliburton procedure. Note: The Max treating pressure will be 80% yield press. This will use 20/40 as proppant. RDMO Halliburton.
10. MIRU WSU. ND WH. NU BOP. POOH and lay down 3-1/2" frac string and packer.
11. PU and TIH w/ 2-3/8" workstring. Swab and flowback well sufficiently.
12. Cleanout to PBTD w/ air mist.
13. TOOH and lay down 2-3/8" workstring. TIH w/ production TBG and land.
14. ND BOP. NU WH. RDMO WSU. Turn the well over to production.

# ENERGEN RESOURCES

## Pertinent Data Sheet

**Date:** 3/14/2013      **Well Name:** Carracas Mesa 14 #1      **API#:** 30-039-24077      **DP#:** 3124077A  
**Unit:** D      **Sec:** 14      **Twp:** 32N      **Rge:** 4W      **Footage:** 1100' FNL 1100' FWL  
**County:** Rio Arriba      **State:**NM      **Spud:** 9/16/1988      **Completed:** 3/29/1989  
**Field:** Fruitland Coal      **Elev:** 6270'      **TD:** 8225'      **PBTD:** 4062'      **KB:** 12'  
    GL  
**Perfs:** 2880'-96, 2919'-23' w/ 80 0.42" holes

NOTE: Well was originally completed in Dakota. Cement Plugs as follows: 7874'-8193', 6793'-6893', 4062'-4162'. No subsequent sundry was submitted to verify the depths.

**Frac: Refrac - 85,612 gal 25# Delta 140 fluid w/ sandwedge, 185,000# 20/40 sand**

\*TBG Details: 1- JT, 1- 10' SUB, 1- 8' SUB, 90- JTS, S/N, 2- 10' SUBS, 1- KEVINS DESANDER, 1 JT TBG FOR MUD ANCHOR, 1- PURGE VLV. LANDED EOT = 2918', SEATING NIPPLE = 2861'.

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	TOC
12-1/4"	9-5/8"	36# J-55	369'	236 cu.ft	circ
8-3/4"	7"	23# J-55	5847'	2987 cu.ft	circ
6-1/4"	4-1/2"	11.6# N-80	5674'-8227'	510 cu.ft.	circ

<b>Tubing Size</b>	<b># Joints</b>	<b>Weight &amp; Grade</b>	<b>Depth Set</b>	<b>Seat Nipple</b>	<b>Packer</b>
2-7/8"	*See Above	6.5# J-55 EUE	2918'	2861'	N/A

**Rod & Pump Record:**MU 2-1/2' X 2" X 18' RWAC PUMP W/ STRAINER NIPPLE SN: ENG: 547;  
(SURFACE TEST PUMP -OK)-TIH W/ PUMP, W/ 2 X 1-1/4" SINKER BARS, 51 X 3/4" GUIDED RODS, 60  
X 3/4" RODS, SPACE OUT AND SEAT PUMP W/ 4' & 2' X 3/4" PONY RODS, W/ 1-1/4" POLISH ROD &  
1-1/2" POLISH ROD LINER-

Rod Size	# Rods	Length	Grade
3/4"	111	2775'	D

Log Record: Dipmeter, Density/Neutron, Dual Induction, GR, Coal Log

### Formation Tops:

<b>Ojo Alamo</b>	2254'	<b>Menefee</b>	5200'
<b>Kirtland</b>	2420'	<b>Point Lookout</b>	5450'
<b>Fruitland</b>	2790'	<b>Mancos</b>	5782'
<b>Pictured Cliffs</b>	2933'	<b>Gallup</b>	6509'
<b>Lewis</b>	3388'	<b>Graneros</b>	
<b>Cliffhouse</b>	5108'	<b>Dakota</b>	7848'

**Work History:** (10/11 to 10/12/2007) FINAL REPORT-SAFETY MEETING-PUMPING TBG AND CASING PRESSURE 80 PSIG-SHUT DOWN PUMPING UNIT-SPOT AUXILARY EQUIPMENT-STROKE PUMP T/ 340 PSIG W/ SLOW BLEED DOWN-UNSEAT PUMP-TOOH W/ 1-1/4" POLISH ROD/1-1/2" POLISH ROD LINER-2', 4' X 3/4" PONY RODS, 60 X 3/4" RODS, 51 X 3/4" GUIDED RODS, W/ 2 X 1-1/4" SINKER BARS-LAYDOWN 2-1/2" X 2" X 18' RWAC PUMP ENG: 1005 ( NO VISIBLE SIGNS OF WEAR, SOME COAL FINES)-MU 2-1/2' X 2" X 18' RWAC PUMP W/ STRAINER NIPPLE SN: ENG: 547; (SURFACE TEST PUMP -OK)-TIH W/ PUMP, W/ 2 X 1-1/4" SINKER BARS, 51 X 3/4" GUIDED RODS, 60 X 3/4" RODS, SPACE OUT AND SEAT PUMP W/ 4' & 2' X 3/4" PONY RODS, W/ 1-1/4" POLISH ROD & 1-1/2" POLISH ROD LINER-SEAT PUMP-LOAD AND PT