

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires March 31, 2007

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED

JAN 9 2008

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

Energen Resources Corporation

## 3a. Address

2010 Afton Place, Farmington, NM 87401

## 3b. Phone No. (include area code)

(505) 325-6800

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 800' FNL, 540' FEL (H)

EHL: 1100' FNL, 2530' FEL (G)

Sec.10 T32N, R5W

## 5. Lease Serial No.

NM 76832

## 6. If Indian, Allottee or Tribe Name

## 7. If Unit or CA/Agreement, Name and/or No

Carracas Unit

## 8. Well Name and No.

Carracas 10 A 8

## 9. API Well No.

30-039-26420

## 10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

## 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

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

## TYPE OF ACTION

☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☒ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Energen Resources would like to recompletable the Carracas 10 A #8 by drilling a horizontal lateral off of the existing vertical wellbore as indicated on the revised attached C-102 and directional wellplan. A whipstock will be set at 3977' +/- (TVD) and a window milled in the existing 5-1/2" casing from 3965'-3971' +/- (TVD). The lateral will be drilled to 6091' MD, 4165' TVD. A 3.5" 9.3 ppf, J-55, flush joint pre-drilled liner will be ran and set from 3967'-6091' MD. A 2 3/8" tubing string will be landed at 4162' TVD in the 5-1/2" casing. A closed loop system will be implemented during recompletion.

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

RCVD FEB 8 '08

OIL CONS. DIV.

DIST. 3

HOLD 0104 FOR

directional survey & casing  
C-102

SEE ATTACHED FOR

CONDITIONS OF APPROVAL

## 14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Jason Kincaid

Title

Drilling Engineer

Date

1/8/2008

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Petr. Eng.

Date

2/7/08

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

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.

NMOCB

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
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 30-039-26420		<sup>2</sup> Pool Code 71629		<sup>3</sup> Pool Name Basin Fruitland Coal	
<sup>4</sup> Property Code		<sup>5</sup> Property Name Carracas 10A			<sup>6</sup> Well Number #8
<sup>7</sup> OGRID No. 162928		<sup>8</sup> Operator Name Energen Resources Corporation			<sup>9</sup> Elevation 7590' GL

<sup>10</sup> Surface Location

UL or lot no. H	Section 10	Township 32N	Range 5W	Lot Idn	Feet from the 800	North/South line North	Feet from the 540	East/West line East	County Rio Arriba
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. G	Section 10	Township 32N	Range 5W	Lot Idn	Feet from the 1100	North/South line North	Feet from the 2530	East/West line East	County Rio Arriba
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<sup>12</sup> Dedicated Acres 236.72 <i>n/2</i>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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 style="text-align: center;"> <p>16</p> </div>				<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><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></p>	
				<p>Signature: <i>Jason Kincaid</i> Date: 8/30/2007</p> <p>Jason Kincaid Printed Name</p>	
<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p><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></p>				<p>Date of Survey: June 6, 1988</p> <p>Signature and Seal of Professional Surveyor</p> <p>Original Survey Conducted and Recorded By: Neale C. Edwards</p>	
<p>6857</p> <p>Certificate Number</p>					



**Project:** Carson Nat'l Forest - NE S10, T32N, R5W  
**Site:** Carracas Mesa  
**Well:** Carracas 10 A #8  
**Wellbore:** Carracas 10 A #8 ST  
**Plan:** Preliminary Plan (Carracas 10 A #8/Carracas 10 A #8 ST)

**PROJECT DETAILS: Carson Nat'l Forest - NE S10, T32N, R5W**

Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: New Mexico Central Zone

System Datum: Mean Sea Level

T/M

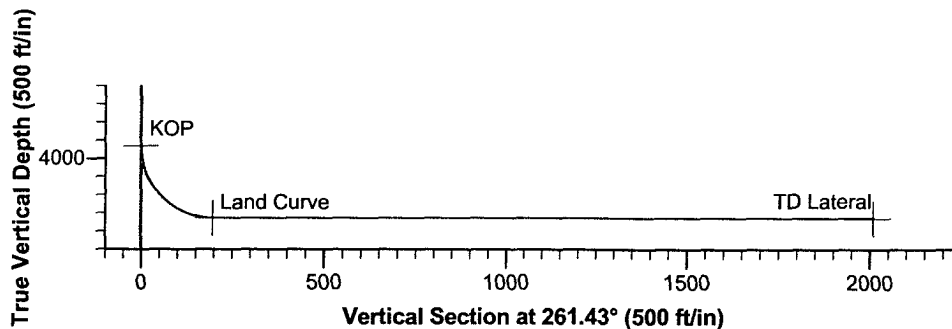
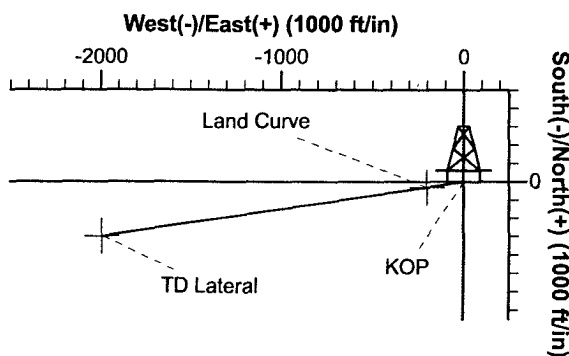


Azimuths to True North  
 Magnetic North: 0.00°

Magnetic Field  
 Strength: 0.0snT  
 Dip Angle: 0.00°  
 Date: 12/26/2007  
 Model: USER DEFINED

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3965.0	0.00	0.00	3965.0	0.0	0.0	0.00	0.00	0.0	KOP
3	4279.2	90.01	261.43	4165.0	-29.8	-197.8	28.65	261.43	200.0	Land Curve
4	6091.6	89.99	261.42	4165.0	-300.0	-1990.0	0.00	-146.93	2012.5	TD Lateral



## ENERGEN RESOURCES

## Pertinent Data Sheet

**Date:** 10/12/2006      **Well Name:** Carracas 10A #8      **API#:** 3003926420      **DP#:** 26420A  
**Unit:** H      **Sec:** 10      **Twp:** 32N      **Rge:** 05W      **Footage:** 800 FNL, 540 FEL  
**County:** Rio Arriba      **State:**NM      **Spud:** 07/18/2000      **Completed:** 8/27/2000  
**Field:** Fruitland Coal      **Elev:** 7590'      **TD:** 4283'      **PBTD:** 4233'      **KB:** 16'  
                                  GL  
**Perfs:** 4151-81' w/ 120-0.42" holes @ 4 SPF

**Frac:** 500 gal 10% formic acid, 103,839 gal 25# Delta 140 fluid w/ 245000# 20/40 sd

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	TOC
12-1/4"	8-5/8"	24# J-55	423'	300 sks	circ
7-7/8"	5-1/2"	17# K-55	4280'	1300 sks	circ

Tube Size	# Joints	Weight & Grade	Depth Set	Seat Nipple	Packer
2-3/8"	134	4.7# J-55	4179'	4179'	
2-3/8" P sub	1	4.7# J-55	8'		
2-3/8" subs	3	4.7# J-55	(10' each w/ notch collar on bottom it)	4208'	

**Rod & Pump Record:** 2"x1-1/2"x16' RWAC and 1"x1' strainer nipple, 2 - 1-1/4" sinker bars, 22' polish rod w/ 10' liner

Rod Size	# Rods	Length	Grade
3/4"	164	4100'	
3/4"	2 subs	(6' & 4")	

**Log Record:** GR-CCL-CNL

### Formation Tops:

Ojo Alamo	3448'	Menefee
Kirtland	3580'	Point Lookout
Fruitland	3887'	Mancos
Pictured Cliffs		Gallup
Lewis		Graneros
Cliffhouse		Dakota

**Work History:** 7/2006 - 11H W/ NOTCH COLLAR, 2 - 2-3/8" TUBING SUBS (10' & 10'), 2-3/8" X 8' PERFORATED SUB, SEAT NIPPLE, STANDING VALVE AND 133 JTS TUBING, 2-3/8" X 10' TUBING SUB AND 1 JT 2-3/8" TUBING. RU SWAB TOOLS. SWAB. BFL 3,600', 6 RUNS, 3 HRS., 7.5 BPW, FFL 4,000'. LD SWAB TOOLS. PU AND RIH WITH FISHING TOOL. CAUGHT STANDING VALVE. LD STANDING VALVE. RIH W/ ENERGEN 1.910" TUBING BROACH TO SEAT NIPPLE. NO TIGHT SPOTS. LD BROACH. SWI. SHUT DOWN FOR NOW. 26 BPWTR. SICP 300 PSIG. SITP 0 PSIG. PUMPED DOWN CASING WITH 10 BBLS OF PRODUCED WATER. RU SWAB TOOLS. SWAB. BFL 3,600', 6 RUNS, 3 HRS., 10 BPW, FFL 4,000'. LD SWAB TOOLS. PU AND RIH WITH FISHING TOOL. CAUGHT STANDING VALVE. LD STANDING VALVE. LANDED TUBING WITH DONUT AS FOLLOWS; SEAT NIPPLE AT 4,179'. END OF TUBING AT