

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

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2 Name of Operator

Energen Resources Corporation

3a Address

2010 Afton Place, Farmington, NM 87401

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

SHL: 1100' FSL, 790' FEL (P)

BHL: 760' FSL, 2530' FEL (O)

Sec. 30 T32N, R4W

RECEIVED

JAN 9 2008

Bureau of Land Management  
Farmington Field Office  
(505) 325-6800

5. Lease Serial No.

NM 30015

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 30 B 16

9. API Well No.

30-039-24406

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 recompleate 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 recompleation 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 recompleate the Carracas 30 B #16 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 3792'+/- (TVD) and a window milled in the existing 5-1/2" casing from 3780'-3786'+/- (TVD). The lateral will be drilled to 5667' MD, 3980' TVD. A 3.5" 9.3 ppf, J-55, flush joint pre-drilled liner will be ran and set from 3782'-5667' MD. A 2 3/8" tubing string will be landed at 3977' TVD in the 5-1/2" casing. A closed loop system will be implemented during recompleation.

**NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT**

**RCVD FEB 8 '08  
OIL CONS. DIV.**

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

**DIST. 3**

**HOLD C104 FOR directional survey  
As drilled C-102**

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.

NMOC

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 30-039-24406	<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 30 B	<sup>6</sup> Well Number #16
<sup>7</sup> OGRID No. 162928	<sup>8</sup> Operator Name Energen Resources Corporation	<sup>9</sup> Elevation 7240' GL

<sup>10</sup> Surface Location


UL or lot no. P	Section 30	Township 32N	Range 4W	Lot Idn	Feet from the 1100	North/South line South	Feet from the 790	East/West line East	County Rio Arriba
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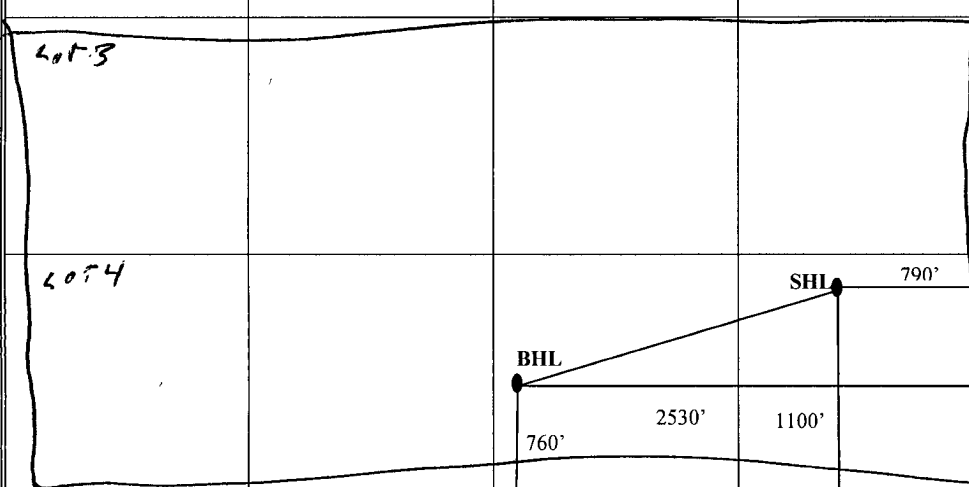
<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. O	Section 30	Township 32N	Range 4W	Lot Idn	Feet from the 760	North/South line South	Feet from the 2530	East/West line East	County Rio Arriba
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<sup>12</sup> Dedicated Acres 310.55	<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.

<sup>16</sup> Lot 1				<sup>17</sup> OPERATOR CERTIFICATION 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  Signature 8/30/2007 Date Jason Kincaid Printed Name
Lot 2				
Lot 3				<sup>18</sup> SURVEYOR CERTIFICATION 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. June 6, 1988 Date of Survey Signature and Seal of Professional Surveyor. Original Survey Conducted and Recorded By Neale C Edwards 6857 Certificate Number
Lot 4				





Project: Carson Nat'l Forest - SE S30, T32N, R4W  
Site: Carracas Mesa  
Well: Carracas 30 B #16  
Wellbore: Carracas 30 B #16 ST  
Plan: Preliminary Plan (Carracas 30 B #16/Carracas 30 B #16 ST)

**PROJECT DETAILS: Carson Nat'l Forest - SE S30, T32N, R4W**

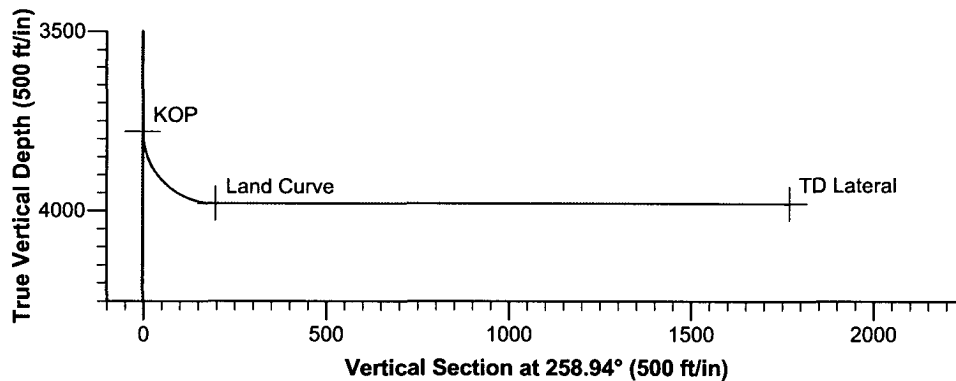
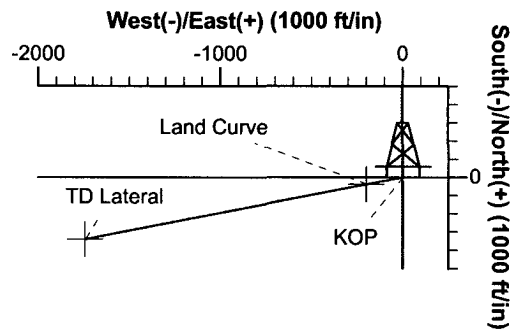
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Central Zone  
System Datum: Mean Sea Level



Azimuths to True North  
Magnetic North: 0.00°  
Magnetic Field  
Strength: 0.0snT  
Dip Angle: 0.00°  
Date: 12/27/2007  
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	3780.0	0.00	0.00	3780.0	0.0	0.0	0.00	0.00	0.0	KOP
3	4094.2	90.01	258.93	3980.0	-38.4	-196.3	28.65	258.93	200.0	Land Curve
4	5667.1	89.99	258.96	3980.0	-340.0	-1740.0	0.00	113.67	1772.9	TD Lateral



# **Energen Resources Pertinent Data Sheet**

**Date:** 10/30/2003

**Well Name:** Carracas 30 B 16      **API No.:** 3003924406  
**DP#:** 24406A  
**Location:** SE/4 (P) Sec 30- T32N-R4W  
**Footage:** 1100' FSL, 790' FEL  
**Co./State:** Rio Arriba, NM  
**Operator:** Energen Resources

**Field:** Fruitland Coal      **Elevation:** 7240' GL      **TD:** 4200'  
**KB:** 12'      **PBTD:** 4129'

**Spud Date:** 4/29/1990  
**Completed:** Original: 6/27/1990      Refrac: July 2000

**Perfs:** 3971-91', 4029-32' w/ 92 - 0.42" at 4 SPF

**Frac:** Original: 2021 bbls. 35# YF 135 x-link gel w/ 21650# 40/70 sd & 209270# 20/40 sd.  
Refrac: 69,662 gal Delta 25# gel w/sandwedge, 150,500# 20/40 sand

## **Casing Record:**

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>TOC</u>
12 1/4"	9 5/8"	36#	J-55	360'	190 sx	circ
8 3/4"	5 1/2"	15.5#	K-55	4180'	650 sx	circ

## **Tubing Record:**

<u>Tubing Size</u>	<u>#Joints</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Seat Nipple</u>
2 3/8"	127	4.7#	J-55	4009'	3976'

**Rods & Pump:** None

## **Formation Tops:**

Ojo Alamo	3348'
Kirtland	3495'
Fruitland	3767'
Fruitland Coal	3970'

**Log Record:** Dual Induction; GR-CCL

**Pump:** Pump removed in '93

**Work History:** June 2001-lay down 1 1/2" tbg & GLM, CO from 3957' to 4130', run 2 3/8" tbg as above.  
July 2000-reperf & refrac coal. Ran 1 1/2" tbg w/ 2 3/8" GL Mandrels @ 3382' & 2567'  
Aug 1993-pulled rods, pump & tbg., replaced bads tbg jts., TIH w/ 2 7/8" tbg, set at 4040'.  
Well was originally on Rod Pump