

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Energen Resources Corporation

Bureau of Land Management

3a. Address

2010 Afton Place, Farmington, NM 87401

3b. Phone Number (include area code)

(505) 325-6800

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

SHL: 230' FSL, 380' FWL (M)

BHL: 1880' FSL, 2530' FWL (K)

Sec. 14 T32N, R5W

5. Lease Serial No.

NM 29760

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 14 A 13

9. API Well No.

30-039-24447

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 14 A #13 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 3627'+/- (TVD) and a window milled in the existing 5-1/2" casing from 3615'-3621'+/- (TVD). The lateral will be drilled to 6439' MD, 3815' TVD. A 3.5" 9.3 ppf, J-55, flush joint pre-drilled liner will be ran and set from 3617'-6439' MD. A 2 3/8" tubing string will be landed at 3812' 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.

DIST. 3

HOLD C104 FOR directional survey
as drilled 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.

NMOCD

District I16¹/₂ S 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

¹ API Number 30-039-24447	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code	⁵ Property Name Carracas 14A	⁶ Well Number #13
⁷ OGRID No. 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 7275' GL

¹⁰ Surface Location

UL or lot no. M	Section 14	Township 32N	Range 5W	Lot Idn	Feet from the 230	North/South line SOUTH	Feet from the 380	East/West line WEST	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section 14	Township 32N	Range 5W	Lot Idn	Feet from the 1880	North/South line SOUTH	Feet from the 2530	East/West line WEST	County Rio Arriba
¹² Dedicated Acres 320 S/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

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

Project: Carson Nat'l Forest - SW S14, T32N, R5W
Site: Carracas Mesa
Well: Carracas 14 A #13
Wellbore: Carracas 14 A #13 ST
Plan: Preliminary Plan (Carracas 14 A #13/Carracas 14 A #13 ST)

PROJECT DETAILS: Carson Nat'l Forest - SW S14, 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

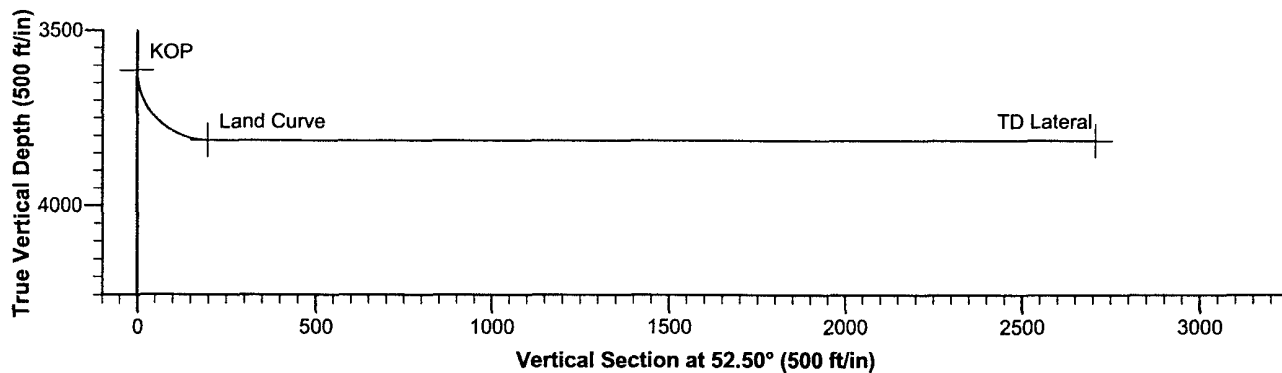
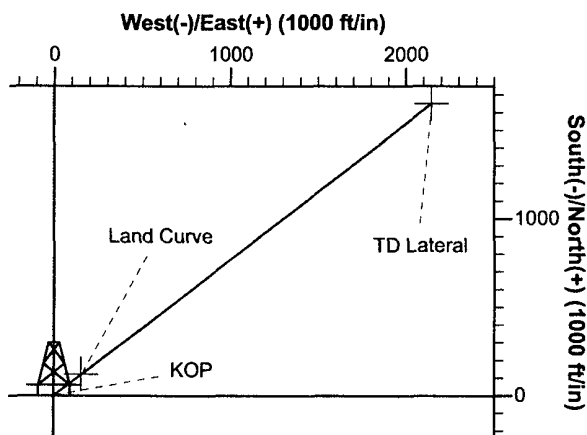


Azimuths to True North
 Magnetic North: 0.00°

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	3615.0	0.00	0.00	3615.0	0.0	0.0	0.00	0.00	0.0	KOP
3	3929.1	89.97	52.50	3815.0	121.7	158.6	28.65	52.50	199.9	Land Curve
4	6439.3	90.03	52.49	3815.0	1650.0	2150.0	0.00	-9.02	2710.2	TD Lateral



ENERGEN RESOURCES

Pertinent Data Sheet

Date: 3-5-2005 **Well Name:** Carracas 14A 13 **API#:** 30-039-24447 **DP#:** 24447A
Unit: M **Sec:** 14 **Twp:** 32N **Rge:** 5W **Footage:** 230' FSL 380' FWL
County: Rio Arriba **State:** NM **Spud:** 9/7/89 **Completed:** 10/16/89
Field: Basin Fruitland Coal **Elev:** 7275' **TD:** 4,024' KB **PBTD:** 3,972' KB **KB:** 7,287' KB
GL
Perfs: (initial) 10/89 3,804' -3,826' KB w/ 0.45EHD 4SPF Total 88 holes
(Reperf 6/2000) 3,804'-3,826' 0.42"EHD w/ 4 SPF total 88 holes

Frac: (initial Frac) 500 gal. 15%HCL 1734 bbl 35# GW-X fluid 48,000# 40/70 sand 170,000# 20/40 sand
(Refrac 6/2000) 500 gallon 10% Formic, 82,012 gal. Delta 140 w/ SandWedge 173,000# 20/40 Brady.

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	TOC
12-1/4"	9-5/8"	36# J55	312' KB	184 cuft	circ
8-3/4"	5-1/2"	15.5# K55	4,021' KB	1229 cuft	circ

Tubing Size	# Joints	Weight & Grade	Depth Set	Seat Nipple	Packer
2-3/8"	119	4.7#J55 EUE	3,815'	3,784'	

Rod & Pump Record:

Rod Size	# Rods	Length	Grade
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Log Record: Spectral Density, Dual Induction, Microlog, GR-CCL

Formation Tops:

Ojo Alamo	3,170'	Menefee
Kirtland	3,300'	Point Lookout
Fruitland	3,615'	Mancos
Pictured Cliffs		Gallup
Lewis		Graneros
Cliffhouse		Dakota

Work History: (Note: TOP FRC@3,803'(10/89) initial completion-see above TIH w/ 2-7/8" tbg w/ SN@3,807' KB, RIH w/ API 66 rodstring & 2-1/2"X2"X12' RWAC Pump. (11/27/89) Pump stuck - cleaned out and reset at original depth TIH w/ 2-1/2"X2"X12' RWAC pump.(10/92) POOH/Rods parted at 75' - cleaned out hole and placed a "filter" on tbg intake TIH and set SN@3,798' TAC @3,735' - filters at 3,829' RIH w/ API 66 rod string and 2-1/2"X2"X12' pump(4/23/93) Rods parted POOH w/ Rods and TBG - rplaced filters - set TAC@3,735'SN@3,807'(5/93) RODs parted - replaced 7 rods. SN@3,798' filters @ 3,829'-same pump size as before(9/15/93) Rods parted - LD rods and pump TIH w/ notch collar@ 3,829', SN@3,798' - swab well 8 times kicked off flowing.(8/98) LD old 2-7/8" tbg TIH w/ new 2-7/8" EOT@3,825' SN@3,793' - swab well in - kicked off flowing.(6/2000) reperf/Refrac - see above cleaned out fill from 3,588'-3,972' PBTD after frac. TIH w/ 3,738' of 1.90" IJ EOT@3,784'.(8/2002) LD 1.90" IJ and TIHw/ 2-3/8"(8/2003) Tag fill@3,869 TIH w/ 2-3/8" 4.7#J55 EUE as follows: 1-MA, 1-SN, 119 jts 2-3/8" TBG, 1-10' 2-3/8" pup jt, 1-2' 2-3/8" pup jt, EOT@3,815' SN@3,784'.