

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

3a. Address

2010 Afton Place, Farmington, NM 87401

Bureau of Land Management

3b. Phone Number (include area code)

(505) 325-6800

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

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

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

Sec. 22 T32N, R5W

5. Lease Serial No.

NM 29341

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 22 A 16

9. API Well No.

30-039-24405

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 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 recompleate the Carracas 22 A #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 3557' +/- (TVD) and a window milled in the existing 5-1/2" casing from 3545'-3551' +/- (TVD). The lateral will be drilled to 5399' MD, 3745' TVD. A 3.5" 9.3 ppf, J-55, flush joint pre-drilled liner will be ran and set from 3547'-5399' MD. A 2 3/8" tubing string will be landed at 3742' TVD in the 5-1/2" casing. A closed loop system will be implemented during recompletion.

NOTIFY AZTEC CDD 24 HRS.
PRIOR TO CASING & CEMENT

RCVD FEB 8 '08

OIL CONS. DIV.

DIST. 3

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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.

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 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

¹ API Number 30-039-24405		² Pool Code 71629		³ Pool Name Basin Fruitland Coal	
⁴ Property Code		⁵ Property Name Carracas 22A			⁶ Well Number #16
⁷ OGRID No. 162928		⁸ Operator Name Energen Resources Corporation			⁹ Elevation 7065' GL


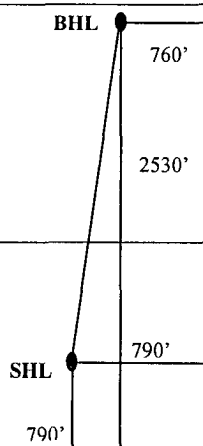
¹⁰ Surface Location

UL or lot no. P	Section 22	Township 32N	Range 5W	Lot Idn	Feet from the 790	North/South line South	Feet from the 790	East/West line East	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. I	Section 22	Township 32N	Range 5W	Lot Idn	Feet from the 2530	North/South line South	Feet from the 760	East/West line East	County Rio Arriba
¹² Dedicated Acres 8 1/2		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.

<div>¹⁶</div>					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> <div> Signature</div> <div>8/30/2007 Date</div> <div>Jason Kincaid Printed Name</div>	
					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	
<div></div>						



Project: Carson Nat'l Forest - SE S22, T32N, R5W
Site: Carracas Mesa
Well: Carracas 22 A #16
Wellbore: Carracas 22 A #16 ST
Plan: Preliminary Plan (Carracas 22 A #16/Carracas 22 A #16 ST)

PROJECT DETAILS: Carson Nat'l Forest - SE S22, 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



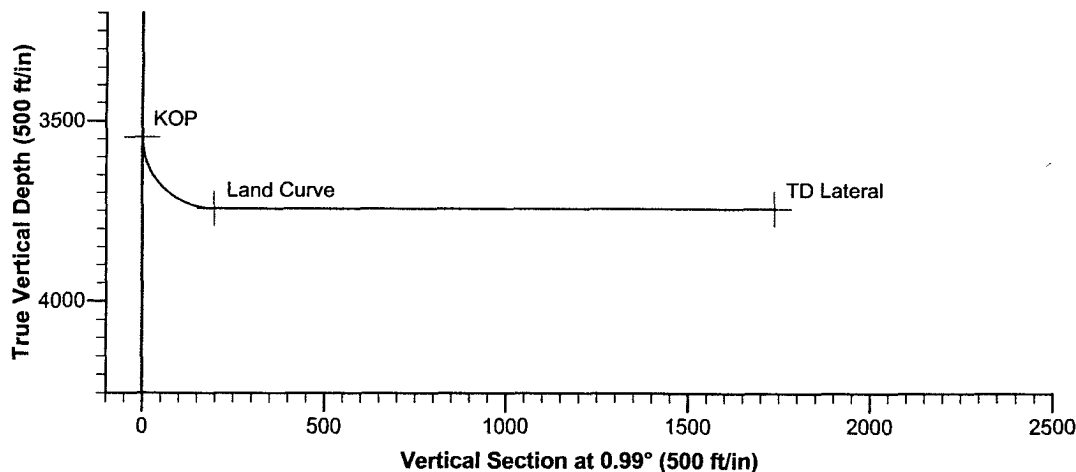
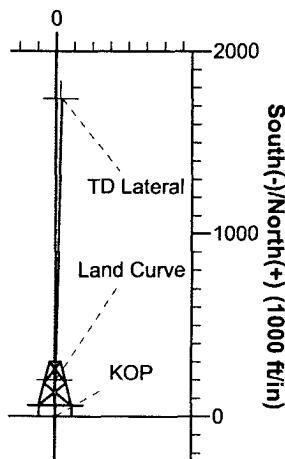
Azimuths to True North
Magnetic North: 0.00°

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	3545.0	0.00	0.00	3545.0	0.0	0.0	0.00	0.00	0.0	KOP
3	3859.2	90.01	1.00	3745.0	200.0	3.5	28.65	1.00	200.0	Land Curve
4	5399.4	89.99	0.97	3745.0	1740.0	30.0	0.00	-117.66	1740.3	TD Lateral

West(-)/East(+) (1000 ft/in)



ENERGEN RESOURCES

Pertinent Data Sheet

Date: 2/28/05 **Well Name:** Carracas 22A#16 **API#:** 30-039-24405 **DP#:** 24405A
Unit: P **Sec:** 22 **Twp:** 32N **Rge:** 5W **Footage:** 790' fsl 790' fel
County: Rio Arriba **State:** NM **Spud:** 8-30-89 **Completed:** 10/12/89
Field: Basin Fruitland Coal **Elev:** 7,065' **TD:** 3,952' KB **PBTD:** 3,945' KB **KB:** 7,078' GL

Perfs: (Interval 3,726' to 3,769') - 3,736'-3,762' 0.5" EHD w/ 4 spf and 3,767'-3,769' 0.5" EHD w/ 4 spf a total of 102 perfs.

Frac: 1. September 1989 stim 500 gallons 15% HCL, 1677 bbls 35# GWX-9 fluid, 48,000# 40/70 sand and 170,000# 20/40 sand
 2. August, 2000 stim (Reperfed coal 3,736'-3,770' w/ 4 spf 0.42" EHD 116 holes) 500 gal formic acid 72,242 gallons 25&20# delta 140 193,500 # 20/40 Brady

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	TOC
12-1/4"	9-5/8"	36# K-55	316'	178 CUFT	Circ
8-3/4"	5-1/2"	15.5# K-55	3,951' KB	1310 CUFT	Circ

Tubing Size	# Joints	Weight & Grade	Depth Set	Seat Nipple	Packer
2-3/8"	114	4.7#J-55 EUE	3,705.61		
2-3/8"X 1.70	1	F-nipple	3,706.54	1.7" ID F-nipple	
2-3/8"	1	4.7# J-55 EUE	3,738.08'		

Rod & Pump Record:

Rod Size	# Rods	Length	Grade
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Log Record: (TOP FRC @ 3,736') Dual Induction, SFL, Litho-Density w/ High Resoultion, Microlog, GR-CCL-CBL

Formation Tops:

Ojo Alamo	3123	Menefee
Kirtland	3204	Point Lookout
Fruitland	3562	Mancos
Pictured Cliffs		Gallup
Lewis		Graneros
Cliffhouse		Dakota

Work History: 9/89 intial com frac - RIH w/ 149 3/4" rods 1-2-1/2"X2"X12' RWAC TIH w/ 2-7/8" tbg to 3,781' sn@ 3,750' TAC at 3,656'.(5/16/90) POOH repar tbg leak SN @ 3,749' EOT @3,780' TAC@3,685'(4/4/91) POOH repar tbg leak -wear sn@ 3,749' EOT@3,780' TAC @ 3,685'(4/3/92) POOH repair tbg leak -corrosion SN@ 3,741' EOT@3,774' TAC@3,614'.(4/19/93) POOH repair tbg leak-wear SN@ 3,741',EOT 3,774', TAC@ 3,614' -well converted to gas lift in may 1994, May of 1997 well converted to PC pump (9/1997) removed PC pump and rods - TIH w/ 119jt. 2-7/8" EUE EOT@ 3,755' and SN@ 3,723' w/ notched collar on end of tbg -swabbed w/ 3 runs well kicked off following(9/1998) laid down 112 joints of tbg - tallied and TIH w/ 116 jts. 2-7/8" 6.5#EUE EOT@ 3,766' SN@ 3,734'(8/2000) re-perf and frac -see above -after frac C/O fill to 3,930' -TIH w/ 114 jt. 1.9" 2.76#J-55 IJ tbg EOT@ 3,743' (8/2002)Tagged fill @ 3,930'Laydown 1-1/2" IJ TIH w/ 114 jt. of 2-3/8" 4.7# EUE J-55 Land tbg @ 3,738'