

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: 1655' FNL, 1185' FWL (E)

BHL: 760' FNL, 2530' FWL (C)

Sec. 21 T32N, R4W

RECEIVED

MAR 03 2008

3b. Phone No. (include area code)
Fax (505) 325-6800

5. Lease Serial No.

NM 30014

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 21 B 5

9. API Well No.

30-039-24421

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 21 B #5 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 3987' +/- (TVD) and a window milled in the existing 5-1/2" casing from 3975'-3981' +/- (TVD). The lateral will be drilled to 5704' MD, 4175' TVD. A 3.5" 9.3 ppf, J-55, flush joint pre-drilled liner will be ran and set from 3977'-5704' MD. A 2 3/8" tubing string will be landed at 4172' TVD in the 5-1/2" casing. A closed loop system will be implemented during recompleation.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RCVD MAR 7 '08

OIL CONS. DIV.

DIST. 3

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

Pet. Eng.

Date

3/6/08

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 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 30-039-24421	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code	⁵ Property Name Carracas 21B	⁶ Well Number #5
⁷ OGRID No. 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 7333' GL

¹⁰ Surface Location

UL or lot no. E	Section 21	Township 32N	Range 4W	Lot Idn	Feet from the 1655	North/South line North	Feet from the 1185	East/West line West	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. C	Section 21	Township 32N	Range 4W	Lot Idn	Feet from the 760	North/South line North	Feet from the 2530	East/West line West	County Rio Arriba
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

¹⁶	¹⁷ 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: <i>Jason Kincaid</i> Date: 8/30/2007 Jason Kincaid Printed Name
	¹⁸ 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

Energen Resources

Carson Nat'l Forest - NW S21, T32N, R4W

Carracas Mesa

Carracas 21 B #5

Carracas 21 B #5 ST

Plan: Preliminary Plan

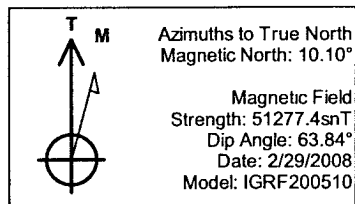
Plan Design

29 February, 2008

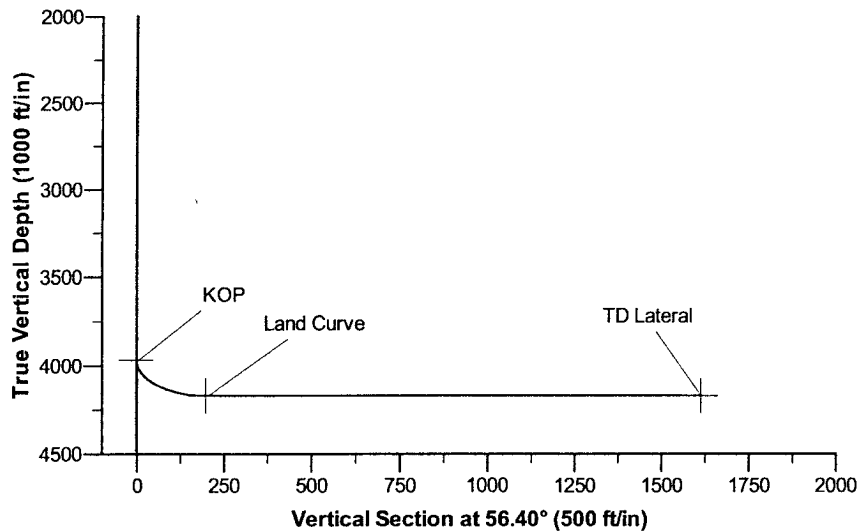
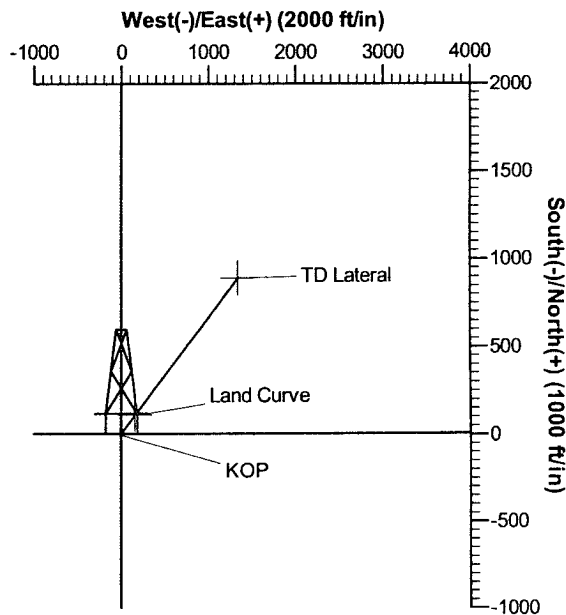


Project: Carson Nat'l Forest - NW S21, T32N, R4W
Site: Carracas Mesa
Well: Carracas 21 B #5
Wellbore: Carracas 21 B #5 ST
Plan: Preliminary Plan (Carracas 21 B #5/Carracas 21 B #5 ST)

PROJECT DETAILS: Carson Nat'l Forest - NW S21, 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									



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	3975.0	0.00	0.00	3975.0	0.0	0.0	0.00	0.00	0.0	KOP
3	4289.2	90.01	56.40	4175.0	110.7	166.6	28.65	56.40	200.0	Land Curve
4	5704.7	89.99	56.40	4175.0	894.0	1345.6	0.00	153.77	1615.5	TD Lateral



ENERGEN RESOURCES

Pertinent Data Sheet

Date: 10/12/2006 **Well Name:** Carracas 21 B 5 **API#:** 3003924421 **DP#:** 24421A
Unit: E **Sec:** 21 **Twp:** 32N **Rge:** 4W **Footage:** 1655' FNL, 1185' FWL
County: Rio Arriba **State:** NM **Spud:** 7/6/1989 **Completed:** 9/12/1989
Field: Fruitland Coal **Elev:** 7333' **TD:** 4300' **PBTD:** 4193' **KB:** 13'
GL

Perfs: Original: 4166-4193' w/108-0.5" holes @ 4 SPF

Frac: Cavitated in Oct 1999

Original: 1661 bbls GWX-30, 48,000# 40/70 sd & 102,000# 20/40 sd

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	TOC
12 1/4"	9 5/8"	36# J-55	311'	174 cu ft	surface
8 3/4"	5 1/2"	15.5# K-55	4295'	1450 cu ft	surface
8 1/2"	3 1/2" Liner	9.3# J-55	4092-4196'	none	

Tubing Size	# Joints	Weight & Grade	Depth Set	Seat Nipple	Packer
2 3/8"	125	4.7 # J-55		4072'	
2-1/16"	3	3.25# J-55			
2-1/16"	1MA, 1 P Sub	3.25# J-55	4082'		

Rod & Pump Record: 1-1/2"x1-1/4"x16' RWBC, 1-1/4"x22' Polish Rod w/ 1-1/2"x10' Liner. 1 - 8' and 1 - 6' pony sub.

Rod Size	# Rods	Length	Grade
3/4"	155	3875'	
5/8"	6		

Log Record: Dual Induction SFL, Fm Density w/High Resolution, Microlog, Dual Ind-SFL, Coal Log, GR-CCL

Formation Tops:

Ojo Alamo	3510'	Menefee
Kirtland	3660'	Point Lookout
Fruitland	4166'	Mancos
Pictured Cliffs		Gallup
Lewis		Graneros
Cliffhouse		Dakota

Work History: June 2006-PU PUMP ASSY AS FOLLOWS, 2 1/16" NTCH/CLR, 2 1/16 X 6' MA, 2-1/16 X 4' PERF SUB, 2 1/16" S/N, 3- JTS 2 1/16" TBG, 2 1/16 X 2 3/8" X-O, 125 JTS 2 3/8" TBG.

Sep.2005: Pumped heavy sweepers to clean out the well.

Sep 2004: RIH w/ production tbg, pump and rod as follows 1-1/2 X 1 X 16' CPID pump-
#EW 6736 - 7 - 25 X 5/8"rods, 159 25' X 152 Rods- 1-1/4" X 20' Polish rod w/
liner space out.

Oct 2001-CO 10' fill to PBTD. Downsized tbg from 2-7/8" to 2-3/8", set @ 4075'.

Oct 1999-Section milled 5-1/2" casing from 4162-4196'. Under-reamed hole to 8-1/2".

Cavitated coal from 4166-4193'. PBTD inside 3-1/2" liner is 4193' KB. Perf'd
liner from 4166-4193' w/108-0.43" holes @ 4 SPF. Ran 2-7/8" tbg, set @ 4075'.