

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.

AD7 FEB -7 AM

5. Lease Serial No.

NM 30015

6. If Indian, Allottee or Tribe Name

6: 22

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

210 FEB 7 2007

2. Name of Operator

Energen Resources Corporation

3a. Address

2198 Bloomfield Hwy, Farmington, NM 87401

3b. Phone No. (include area code)

505-325-6800

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

At surface: 2620' fsl, 1235' fwl 19 - 32 N - 4 W

At bottom: 660' fsl, 1816' fwl

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

8. Well Name and No.

Carracas 19 B #11

9. API Well No.

30-039-27564

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

- |                                               |                                           |                                                    |                                         |
|-----------------------------------------------|-------------------------------------------|----------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input checked="" type="checkbox"/> Recomplete     | <input type="checkbox"/> Other _____    |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |                                         |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |                                         |

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 do a recompleation of the Carracas 19 B #11 as follows:

- Set a bridge plug and retrievable mechanical set whipstock at 3783' TVD.
- Mill a 6 1/4" window in the existing 7" 20 ppf intermediate casing.
- Drill a 6 1/4" wellbore with a build up rate of 24.9 deg/100 ft.
- Land curve at 90 deg in the Fruitland Coal at 4013' TVD.
- Drill remaining lateral to TD of 5958' MD, 4013' TVD according to the attached directional plan.
- Run a 4 1/2" J-55 11.6 ppf, J-55 pre-drilled uncemented liner from 3785'-5958' MD.

No below grade drilling pit will be constructed. This recompleation will be done using a closed loop system.

NOV 01 2007 FOR directional  
Survey

RCVD APR 3 '07  
OIL CONS. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Nathan Smith

Title

Drilling Engineer

Date 2/5/07

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date APR 02 2007

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.

NM 000

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 30-039-27564	<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 19 B	<sup>6</sup> Well Number #11
<sup>7</sup> OGRID No. 162928	<sup>8</sup> Operator Name Energen Resources Corporation	<sup>9</sup> Elevation 7318'

<sup>10</sup> Surface Location

UL or lot no. L	Section 19	Township 32N	Range 04W	Lot Idn	Feet from the 2620'	North/South line South	Feet from the 1235'	East/West line West	County Rio Arriba
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. N	Section 19	Township 32N	Range 04W	Lot Idn	Feet from the 660'	North/South line South	Feet from the 1816'	East/West line West	County Rio Arriba
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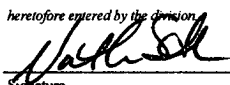
<sup>12</sup> Dedicated Acres 300.52 W/2	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
---------------------------------------------	-------------------------------	----------------------------------	-------------------------

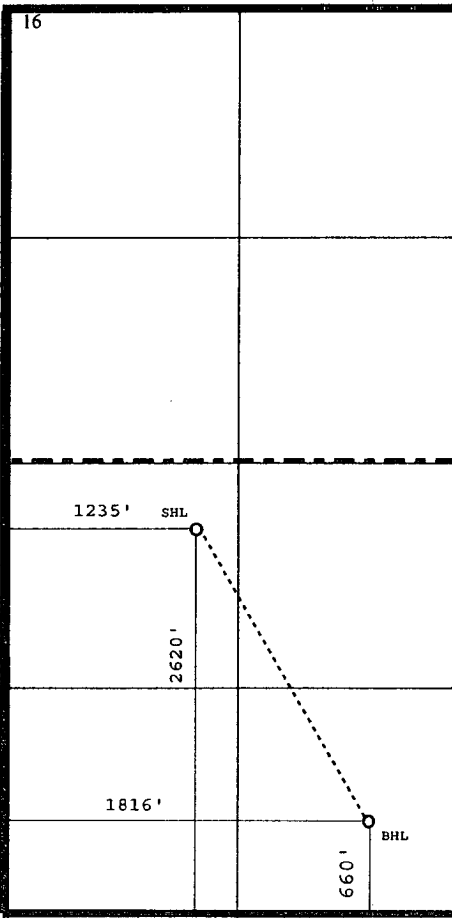
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

1156.98

1320.00

2640.00

16	19	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 1/9/2007 Date Nathan Smith Printed Name



5280.00

# **Energen Resources**

**Carson Nat'l Forest-S19, T32N, R4W**

**Carracas Mesa**

**Carracas 19 B #11**

**Carracas 19 B #11 ST**

**API No.: 30-039-27564**

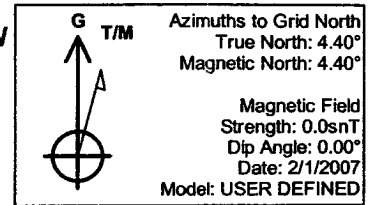
**Plan: Preliminary Design**

## **Energen Resources - Survey**

**01 February, 2007**



**Project:** Carson Nat'l Forest-S19, T32N, R4W  
**Site:** Carracas Mesa  
**Well:** Carracas 19 B #11  
**Wellbore:** Carracas 19 B #11 ST  
**Plan:** Preliminary Design (Carracas 19 B #11/Carracas 19 B #11 ST)

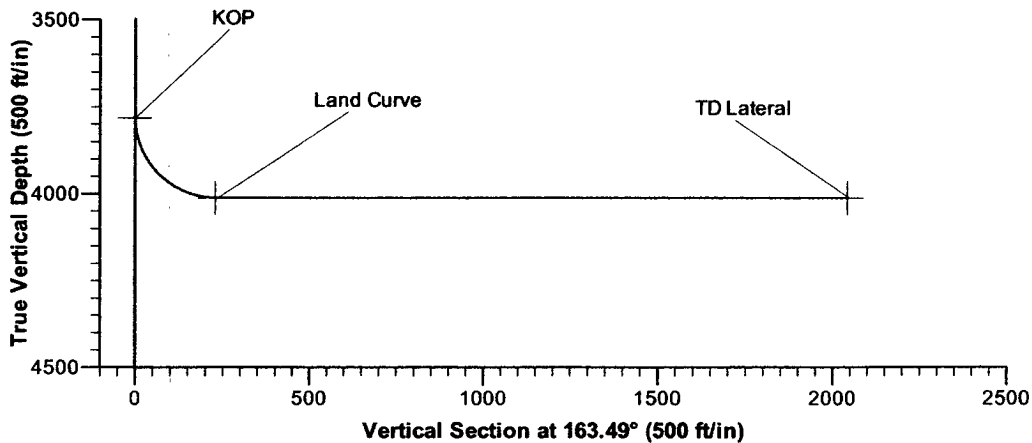
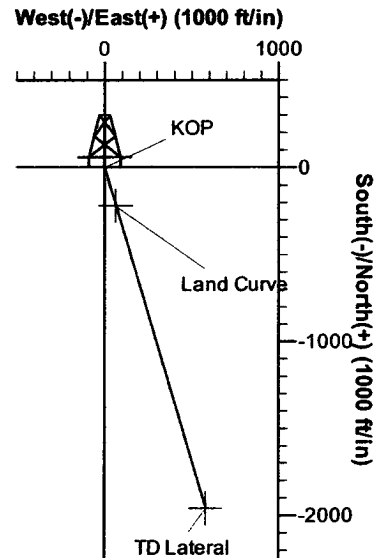


PROJECT DETAILS: Carson Nat'l Forest-S19, T32N, R4W	
Geodetic System:	US State Plane 1983
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	New Mexico Western Zone
System Datum:	Mean Sea Level

SURFACE LOCATION	
Easting:	0.00
Northing:	0.00

#### 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	3783.0	0.00	0.00	3783.0	0.0	0.0	0.00	0.00	0.0	KOP
3	4144.3	90.00	163.49	4013.0	-220.5	65.4	24.91	163.49	230.0	Land Curve
4	5958.3	90.00	163.49	4013.0	-1959.7	580.9	0.00	0.00	2044.0	TD Lateral



# Energen

## Energen Resources - Survey



**Company:** Energen Resources  
**Project:** Carson Nat'l Forest-S19, T32N, R4W  
**Site:** Carracas Mesa  
**Well:** Carracas 19 B #11  
**Wellbore:** Carracas 19 B #11 ST  
**Design:** Preliminary Design

**Local Co-ordinate Reference:** Well Carracas 19 B #11  
**TVD Reference:** KB @ 7333.0ft (Drilling Rig)  
**MD Reference:** KB @ 7333.0ft (Drilling Rig)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Single User Db

**Project** Carson Nat'l Forest-S19, T32N, R4W

**Map System:** US State Plane 1983  
**Geo Datum:** North American Datum 1983  
**Map Zone:** New Mexico Western Zone  
**System Datum:** Mean Sea Level

**Site** Carracas Mesa

**Site Position:**  
**From:** None  
**Position Uncertainty:** 0.0 ft  
**Northing:** ft  
**Easting:** ft  
**Slot Radius:** "  
**Latitude:**  
**Longitude:**  
**Grid Convergence:** 0.00 °

**Well** Carracas 19 B #11

**Well Position** +N/-S 0.0 ft **Northing:** 0.00 ft **Latitude:** 30° 42' 36.034 N  
 +E/-W 0.0 ft **Easting:** 0.00 ft **Longitude:** 116° 28' 58.264 W  
**Position Uncertainty** 0.0 ft **Wellhead Elevation:** 7,318.0 ft **Ground Level:** 7,318.0 ft

**Wellbore** Carracas 19 B #11 ST

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	2/1/2007	0.00	0.00	0

**Design** Preliminary Design

**Audit Notes:**

**Version:** Phase: PROTOTYPE Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	163.49

**Survey Tool Program** Date 2/1/2007

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	5,958.3	Preliminary Design (Carracas 19 B #11 ST)	MWD	MWD - Standard

**Planned Survey**

MD (ft)	TVD (ft)	Inc (°)	Azi (°)	V. Sec (ft)	N/S (ft)	E/W (ft)
0.0	0.0	0.00	0.00	0.0	0.0	0.0
100.0	100.0	0.00	0.00	0.0	0.0	0.0
200.0	200.0	0.00	0.00	0.0	0.0	0.0
300.0	300.0	0.00	0.00	0.0	0.0	0.0
400.0	400.0	0.00	0.00	0.0	0.0	0.0
500.0	500.0	0.00	0.00	0.0	0.0	0.0
600.0	600.0	0.00	0.00	0.0	0.0	0.0
700.0	700.0	0.00	0.00	0.0	0.0	0.0
800.0	800.0	0.00	0.00	0.0	0.0	0.0
900.0	900.0	0.00	0.00	0.0	0.0	0.0
1,000.0	1,000.0	0.00	0.00	0.0	0.0	0.0
1,100.0	1,100.0	0.00	0.00	0.0	0.0	0.0