

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

2007 FEB - 7 AM 6:21

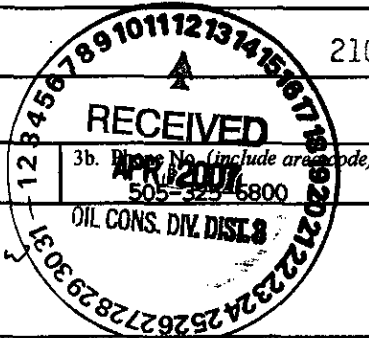
SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Energen Resources Corporation

3a. Address
2198 Bloomfield Hwy, Farmington, NM 87401

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
At surface: 735' fnl, 310' fel 19 - 32N-4W
At bottom: 2630' fnl, 1980' fel



5. Lease Serial No.
NM 30015

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Carracas Canyon #1R

9. API Well No.
19 B

10. Field and Pool, or Exploratory Area
30-039-27457

11. County or Parish, State
Basin Fruitland Coal

Rio Arriba NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<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 recompleat 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 recompleat 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 recompleat of the Carracas Canyon 19 B #1R as follows:

- Set a bridge plug and retrievable mechanical set whipstock at 3882' 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 4112' TVD.
- Drill remaining lateral to TD of 6538' MD, 4112' TVD according to the attached directional plan.
- Run a 3 1/2" 9.3 ppf, J-55 pre-drilled uncemented liner from 3885'-6538' MD.
4 1/2" J-55, STC, 11.6 ppf

No below grade drilling pit will be constructed. This recompleat lateral will be drilled using a closed loop system.

HOLD G104 FOR directional survey

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 06 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.

NMOCD

5280.00

Energen Resources

Carson Nat'l Forest; S19, T32N, R4W

Carracas Mesa

Carracas 19 B #1R

Carracas 19 B #1R ST

API No.: 30-039-27457

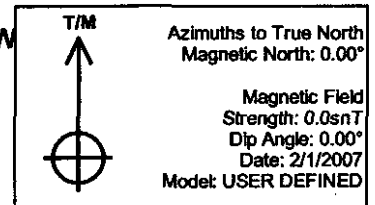
Plan: Preliminary Design

Energen Resources - Survey

01 February, 2007



Project: Carson Nat'l Forest; S19, T32N, R4W
Site: Carracas Mesa
Well: Carracas 19 B #1R
Wellbore: Carracas 19 B #1R ST
Plan: Preliminary Design (Carracas 19 B #1R/Carracas 19 B #1R 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	3882.0	0.00	0.00	3882.0	0.0	0.0	0.00	0.00	0.0	KOP
3	4243.3	90.00	221.39	4112.0	-172.6	-152.1	24.91	221.39	230.0	Land Curve
4	6538.3	90.00	221.39	4112.0	-1894.3	-1669.5	0.00	0.00	2525.0	TD Lateral

