orm 3160-5 (April 2004)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires March 31, 2007

5. Lease Serial No.

29340

SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals, FFR 7. If Unit or CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE - Other instructions on reverse side Type of Well 8: Well Name and No. Oil Well X Gas Well Other 210 Ft #1R Carracas Canyon 2. Name of Operator 36 A Energen Resources Corporation 9. API Well No. 3b. Phone No. (include area code) 3a. Address 30-039-27455 2198 Bloomfield Hwy, Farmington, NM 87401 505-325-6800 10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Basin Fruitland Coal At surface: 365' fnl, 740' fel 36 - 32 IV - 5W 11. County or Parish, State At bottom: 2630' fsl, 1200' fel CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF SUBMISSION TYPE OF ACTION X Notice of Intent Acidize Deepen Production (Start/Resume) Water Shut-Off Alter Casing Fracture Treat Reclamation Well Integrity Subsequent Report New Construction Casing Repair Recomplete Other Change Plans Plug and Abandon Temporarily Abandon Final Abandonment Notice Convert to Injection Plug Back Water Disposal 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 recomplete 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 do a recompletion of the Carracas Canyon 36 A #1R as follows: -Set a bridge plug and retrievable mechanical set whipstockat 3480' TVD. -Mill a 6 1/4" window in the existing 7" 23 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 3710' TVD. -Drill remaining lateral to TD of 5922' MD, 3710' TVD according to the attached directional plan. -Run a 3-1/2" FJ 9.3 ppf, J-55 pre-drilled uncemented liner from 3482'-5922' MD. 4 1/2" J-55, STC, 11.6 ppf No below grade drilling pit will be constructed. This recompletion lateral will be drilled using a CVV Vey DIST. 3 closed loop system. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Title Nathan Smith Drilling Engineer

Date 2/5/07 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Title Approved by Original Signed: Stephen Mason APR 0 2 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 leas

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.

which would entitle the applicant to conduct operations thereon.

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

MAMENDED REPORT

		W	ELL LO	CATIO	N AND ACR	EAGE DEDIC	ATION PLAT			
30-	r 55		'Pool Code 'Pool Name 71629 Basin Fruitland Coal							
'Property			'Property Name Carracas Canyon 36A					'Well Number #1R		
'OGRID 16292	1			'Operator Name Energen Resources Corporation					'Elevation 6975 '	
					<sup>10</sup> Surface 1	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West lin	e County	
A	36	32N	05W		365'	North	740'	East	Rio Arriba	
			<sup>11</sup> Bo	ttom Ho	le Location If	Different Fron	1 Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West lir	e County	

H 36 32N 05W 2630' South 1200' East Rio Arriba
"Dedicated Acres 320.00 E/2 "Joint or Infill "Consolidation Code "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.

_	2640.0		2640.		
	16	36		SHL 740'	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 entired by the filesion.  1/9/2007  Signature  Date  Nathan Smith  Printed Name
		36		BHL 1200	
					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.  April 17, 2003 Date of Survey
					Signature and Seal of Professional Surveyor:  Original survey conducted and recorded by Jason C. Edwards  15269  Certificate Number

## Energen Resources Carson Nat'l Forest; S36, T32N, R5W

Carson Nat'l Forest; S36, T32N, R5W Carracas Mesa Carracas Canyon 36 A #1R Carracas Canyon 36 A #1R ST API No.: 30-039-27455

Plan: Preliminary Design

# **Energen Resources - Survey**

01 February, 2007



Project: Carson Nat'l Forest; S36, T32N, R5V

Site: Carracas Mesa

Well: Carracas Canyon 36 A #1R Wellbore: Carracas Canyon 36 A #1R ST

Plan: Preliminary Design (Carracas Canyon 36 A #1R/Carracas Canyon 36 A #1R ST)



Azimuths to Grid North True North: 4.40° Magnetic North: 4.40°

Magnetic Field Strength: 0.0snT Dip Angle: 0.00° Date: 2/1/2007 Model: USER DEFINED

**SURFACE LOCATION** 

Easting: Northing: 0.00 0.00

### PROJECT DETAILS: Carson Nat'l Forest; \$36, T32N, R5W

Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsold: GRS 1980

Zone: New Mexico Western Zone

System Datum: Mean Sea Level

### **SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	<b>TFace</b>	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	•
2	3480.0	0.00	0.00	3480.0	0.0	0.0	0.00	0.00	0.0	KOP
3	3841.3	90.00	191.48	3710.0	-225.4	-45.8	24.91	191.48	230.0	Land Curve
4	5922.3	90.00	191.48	3710.0	-2264.8	-459.9	0.00	0.00	2311.0	TD Lateral



