

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED

JAN 9 2008

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Energen Resources Corporation

Bureau of Land Management
Farmington Field Office

3a. Address

2010 Afton Place, Farmington, NM 87401

3b. Phone No. (include area code)

(505) 325-6800

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

SHL: 790' FSL; 900' FWL (M)

BHL: 2530' FSL, 760' FWL (L)

Sec.18 T32N, R4W

5. Lease Serial No.

NM 30015

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 18 B 13

9. API Well No.

30-039-24282

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 18 B #13 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 3862'+/- (TVD) and a window milled in the existing 5-1/2" casing from 3850'-3856'+/- (TVD). The lateral will be drilled to 5767'MD, 4150'TVD. A 3.5" 9.3 ppf, J-55, flush joint pre-drilled liner will be ran and set from 3852'-5767' MD. A 2 3/8" tubing string will be landed at 4147' TVD in the 5-1/2" casing. A closed loop system will be implemented during recompleation.

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RCVD FEB 8 '08
OIL CONS. DIV.

DIST. 3

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

Date

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

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

Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-24282	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code	⁵ Property Name Carracas 18B	⁶ Well Number #13
⁷ OGRID No. 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 7420' GL

10 Surface Location

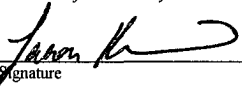
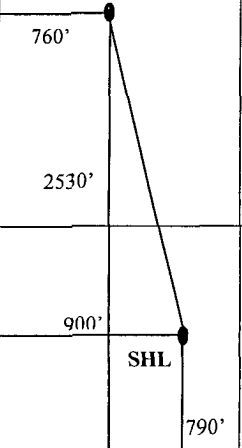
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	18	32N	4W		790	South	900	West	Rio Arriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	18	32N	4W		2530	South	760	West	Rio Arriba

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				<div data-bbox="1050 974 1498 1211"><p>17 OPERATOR CERTIFICATION</p><p><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></p><div data-bbox="1050 1203 1498 1299"><div> Signature</div><div>8/30/2007 Date</div></div><div data-bbox="1050 1318 1498 1362"><div>Jason Kincaid Printed Name</div></div></div>
<div data-bbox="66 1425 308 1444"><p>BHL</p><p>760'</p><p>2530'</p><p>900'</p><p>SHL</p><p>790'</p></div>				<div data-bbox="1050 1451 1498 1917"><p>18 SURVEYOR CERTIFICATION</p><p><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></p><p>June 6, 1988</p><div data-bbox="1050 1673 1498 1770"><p>Date of Survey</p><p>Signature and Seal of Professional Surveyor.</p><p>Original Survey Conducted and Recorded By. Neale C. Edwards</p></div><div data-bbox="1050 1848 1498 1917"><p>6857</p><p>Certificate Number</p></div></div>

Project: Carson Nat'l Forest - SW S18, T32N, R4W
Site: Carracas Mesa
Well: Carracas 18 B #13
Wellbore: Carracas 18 B #13 ST R
Plan: Preliminary Plan (Carracas 18 B #13/Carracas 18 B #13 ST R)

PROJECT DETAILS: Carson Nat'l Forest - SW S18, 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

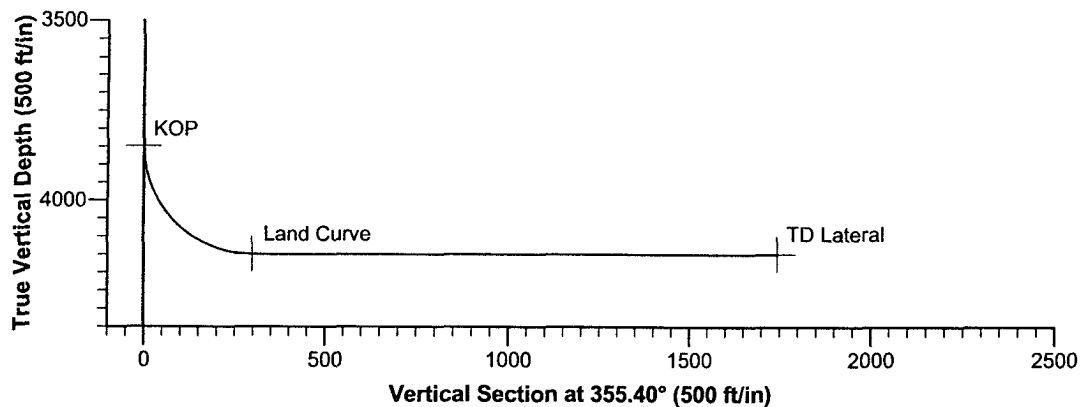
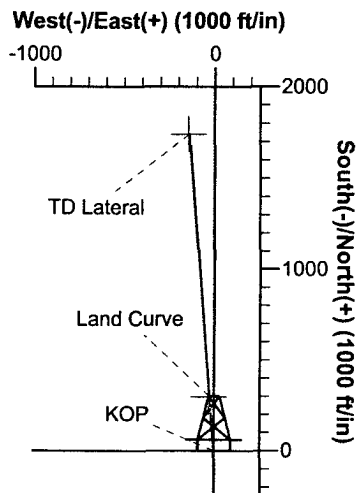


Azimuths to True North
 Magnetic North: 0.00°

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	3850.0	0.00	0.00	3850.0	0.0	0.0	0.00	0.00	0.0	KOP
3	4321.2	89.99	355.39	4150.0	299.0	-24.1	19.10	355.39	300.0	Land Curve
4	5766.9	90.01	355.41	4150.0	1740.0	-140.0	0.00	59.36	1745.6	TD Lateral



ENERGEN RESOURCES

Pertinent Data Sheet

Date: 3/1/06 **Well Name:** Carracas 18B 13 **API#:** 30-039-24282 **DP#:** 24282A
Unit: M **Sec:** 18 **Twp:** 32N **Rge:** 4W **Footage:** 790' fsl 900' fwl
County: Rio Arriba **State:** NM **Spud:** 10/12/88 **Completed:** 4/14/88
Field: Basin Fruitland Coal **Elev:** 7420' **TD:** 4,270' **PBTD:** 4,221' **KB:** 7,432' KB
GL or 12'

Perfs: (original) 4,141' - 4,163' 4 SPF FRC Top @ 4,140'
(2000-reperf) 4,141' to 4,163' w 4 spf - 88 holes w/ 0.42" EHD

NOTE: (7/11/2005) Casing leak located at 3,623' to 3,628' rate/P 1 BPM@1,200 psig produced FRC water,
(9/27 to 10/8/2005) sqz'd off casing leak.

Frac: (original) 4,141' to 4,163': 500 gal 7-1/2% HCL 3,011 bbl gelled wtr, 11,000# 40/70 sd and 32,300 #
12/20 sd.

(2000-REFRAC) 1,000 gal 10% formic w/ 105,718 gal 25# Delta 140 w/ sandwedge w 221,000# 20/40
Brady sd

Hole Size	Casing Size	Weight & Grade	Depth Set	Cement	TOC
12-1/4"	9-5/8"	36# J55	360' KB	224 cuft	Circ
8-3/4"	5-1/2"	17#,15.5# J55	4,267' KB	1598 cuft	Circ

Tubing Size	# Joints	Weight & Grade	Depth Set	Seat Nipple	Packer
*2-3/8"	130	4.7# J55	4,177'	4,139	

Rod & Pump Record: 2" x 1-1/2" x 12' RWAC (DV) PUMP (ENERGEN #549) AND 1" x 1' STRAINER
NIPPLE. TIH w/ PUMP, 2 - 1-1/4" SINKER BARS FROM WEATHERFORD

Rod Size	# Rods	Length	Grade
3/4"	39 Guided	975'	D
3/4"	125	3,125'	D

Log Record: CN-FD, Coal Log, digital Sonic, GR-CBL
* Tubing BHA -PURGE VALVE, 2 - 2-3/8" TUBING SUBS (10' & 4'), CAVINS
DESANDER, 2 - 2-3/8" x 10' TUBING SUBS, SEATING NIPPLE AND 130 JTS 2-3/8"
TUBING

Formation Tops:

Ojo Alamo	3,287'	Menefee
Kirtland	3,542'	Point Lookout
Fruitland	3,984'	Mancos
Pictured Cliffs		Gallup
Lewis		Graneros
Cliffhouse		Dakota

Work History:

10/8/05 SICP 0 PSIG. SICP 0 PSIG. PU AND LOADED 2" x 1-1/2" x 12' RWAC (DV) PUMP (ENERGEN #549) AND 1" x 1'
STRAINER NIPPLE. TIH w/ PUMP, 2 - 1-1/4" SINKER BARS FROM WEATHERFORD, 39 - 3/4" RODS WITH 4 GUIDES
PER ROD, 125 - 3/4" RODS, 2 - ROD SUBS (6' & 6') AND 22' POLISH ROD w/10' LINER. SEATED PUMP. PRESSURE
TEST TUBING TO 750 PSIG FOR 15 MINUTES WITH 10 BBLs PRODUCED WATER. TESTED OK. RELEASE PRESSURE.
LONG STROKE PUMP w/RIG TO 750 PSIG. GOOD PUMP ACTION. HANG WELL OFF 3" ABOVE TAG. RIG DOWN
MOVE OFF MESA RIG #207. 10 BPWTR. FINAL REPORT.