

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

2198 Bloomfield Highway, 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: 2430' FNL, 1560' FEL (G)

BHL: 760' FNL, 100' FEL (A)

Sec. 24, T32N, R06W

5. Lease Serial No.

SF-079011

6. If Indian, Allottee or Tribe Name

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

San Juan 32-5 Unit NP

8. Well Name and No.

San Juan 32-5 Unit 103

9. API Well No.

30-039-24269

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 recomple 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 recomple 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 recomplete the San Juan 32-5 Unit # 103 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 2762'+/- (TVD) and a window milled in the existing 7" casing from 2750-2756'+/- (TVD). The lateral will be drilled to 5088' MD, 2960' TVD. A 4.5" 11.6 ppf, J-55, LTC pre-drilled liner will be ran and set from 2758-5088' MD. A 2 3/8" tubing string will be landed at 3036' TVD in the 7" casing.

Top of the Fruitland fm. @ ± 2717'
7" csg. ~~was~~ was cemented to surface

HOLD 0104 FOR directional survey
as Drilled Plat (C-102)

RECEIVED
BLM
210 FARMINGTON NM

2007 SEP -5 AM 11:21

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Jason Kincaid

Title

Drilling Engineer

Date 8/30/2007

RCVD SEP 11/07
OIL CONS. DIV.

DIST. 3

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Petr. Eng.

Date

9/7/07

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.

NMOCB

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 30-039-24269	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code	⁵ Property Name San Juan 32-5 Unit	⁶ Well Number #103
⁷ OGRID No. 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 6313' 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
G	24	32N	6W		2430	North	1560	East	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
A	24	32N	6W		760	North	100	East	Rio Arriba

¹² Dedicated Acres 320 E/2	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

SRBR-S24, 32N, 6W

Eul Canyon

San Juan 32-5 Unit #103

San Juan 32-5 Unit #103 ST

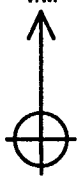
Plan: Preliminary Plan

Plan Design

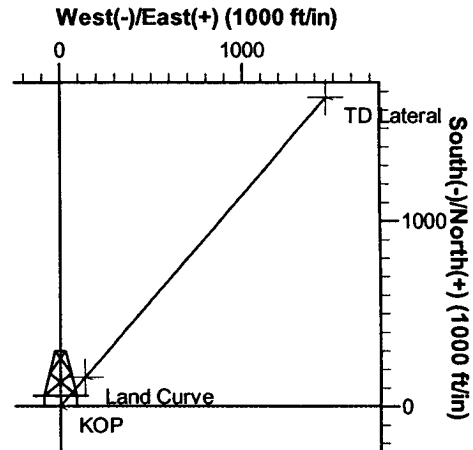
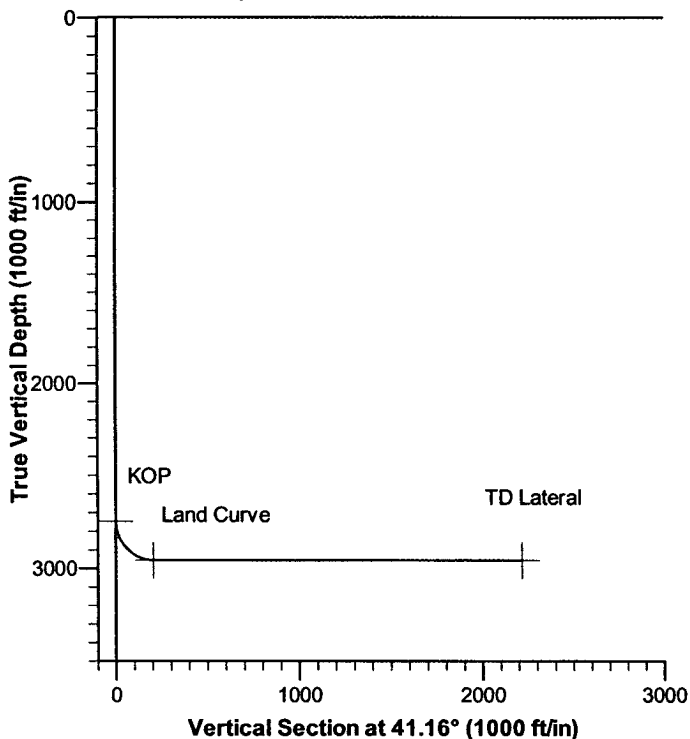
30 August, 2007

Project: SRBR-S24, 32N, 6W
Site: Eul Canyon
Well: San Juan 32-5 Unit #103
Wellbore: San Juan 32-5 Unit #103 ST
Plan: Preliminary Plan (San Juan 32-5 Unit #103/San Juan 32-5 Unit #103 ST)

PROJECT DETAILS: SRBR-S24, 32N, 6W	
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: 8/30/2007	
Model: IGRF200510	

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	2750.0	0.00	0.00	2750.0	0.0	0.0	0.00	0.00	0.0	KOP
3	3079.9	90.00	41.16	2960.0	158.1	138.2	27.28	41.16	210.0	Land Curve
4	5087.9	90.00	41.16	2960.0	1669.9	1459.8	0.00	0.00	2218.0	TD Lateral



Energen

Plan Design

Company: Energen Resources	Local Co-ordinate Reference: Well San Juan 32-5 Unit #103
Project: SRBR-S24, 32N, 6W	TVD Reference: KB @ 6335.0ft (Drilling Rig)
Site: Eul Canyon	MD Reference: KB @ 6335.0ft (Drilling Rig)
Well: San Juan 32-5 Unit #103	North Reference: True
Wellbore: San Juan 32-5 Unit #103 ST	Survey Calculation Method: Minimum Curvature
Design: Preliminary Plan	Database: EDM 2003.16 Single User Db

Project SRBR-S24, 32N, 6W	
Map System: US State Plane 1983	System Datum: Mean Sea Level
Geo Datum: North American Datum 1983	
Map Zone: New Mexico Central Zone	

Site Eul Canyon	
Site Position:	Northing: -11,255,329.28 ft
From: Lat/Long	Easting: 82,308,769.07 ft
Position Uncertainty: 0.0 ft	Slot Radius: "
	Grid Convergence: 0.01 °

Well San Juan 32-5 Unit #103	
Well Position	Northing: -11,255,329.28 ft
+N/-S 0.0 ft	Latitude: 0° 0' 0.000 N
+E/-W 0.0 ft	Easting: 82,308,769.07 ft
Position Uncertainty 0.0 ft	Longitude: 1613° 42' 52.144 E
	Wellhead Elevation: 6,313.0 ft
	Ground Level: 6,313.0 ft

Wellbore San Juan 32-5 Unit #103 ST	
Magnetics	Model Name
	IGRF200510
	Sample Date 8/30/2007
	Declination (°)
	Dip Angle (°)
	Field Strength (nT)

Design Preliminary Plan	
Audit Notes:	
Version:	Phase: PROTOTYPE
	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)
	+N/-S (ft)
	+E/-W (ft)
	Direction (°)
	0.0 0.0 0.0 41.16

Survey Tool Program		Date 8/30/2007
From (ft)	To (ft)	Survey (Wellbore)
0.0	5,087.9	Preliminary Plan (San Juan 32-5 Unit #103
		Tool Name MWD
		Description MWD - Standard

Planned Survey						
MD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
0.0	0.00	0.00	0.00	0.0	0.0	0.0
100.0	0.00	0.00	0.00	0.0	0.0	0.0
200.0	0.00	0.00	0.00	0.0	0.0	0.0
300.0	0.00	0.00	0.00	0.0	0.0	0.0
400.0	0.00	0.00	0.00	0.0	0.0	0.0
500.0	0.00	0.00	0.00	0.0	0.0	0.0
600.0	0.00	0.00	0.00	0.0	0.0	0.0
700.0	0.00	0.00	0.00	0.0	0.0	0.0
800.0	0.00	0.00	0.00	0.0	0.0	0.0
900.0	0.00	0.00	0.00	0.0	0.0	0.0
1,000.0	0.00	0.00	0.00	0.0	0.0	0.0
1,100.0	0.00	0.00	0.00	0.0	0.0	0.0

Energen

Plan Design

Company: Energen Resources
Project: SRBR-S24, 32N, 6W
Site: Eul Canyon
Well: San Juan 32-5 Unit #103
Wellbore: San Juan 32-5 Unit #103 ST
Design: Preliminary Plan

Local Co-ordinate Reference: Well San Juan 32-5 Unit #103
TVD Reference: KB @ 6335.0ft (Drilling Rig)
MD Reference: KB @ 6335.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
1,200.0	0.00	0.00	0.00	0.0	0.0	0.0
1,300.0	0.00	0.00	0.00	0.0	0.0	0.0
1,400.0	0.00	0.00	0.00	0.0	0.0	0.0
1,500.0	0.00	0.00	0.00	0.0	0.0	0.0
1,600.0	0.00	0.00	0.00	0.0	0.0	0.0
1,700.0	0.00	0.00	0.00	0.0	0.0	0.0
1,800.0	0.00	0.00	0.00	0.0	0.0	0.0
1,900.0	0.00	0.00	0.00	0.0	0.0	0.0
2,000.0	0.00	0.00	0.00	0.0	0.0	0.0
2,100.0	0.00	0.00	0.00	0.0	0.0	0.0
2,200.0	0.00	0.00	0.00	0.0	0.0	0.0
2,300.0	0.00	0.00	0.00	0.0	0.0	0.0
2,400.0	0.00	0.00	0.00	0.0	0.0	0.0
2,500.0	0.00	0.00	0.00	0.0	0.0	0.0
2,600.0	0.00	0.00	0.00	0.0	0.0	0.0
2,700.0	0.00	0.00	0.00	0.0	0.0	0.0
2,750.0	0.00	0.00	0.00	0.0	0.0	0.0
2,760.0	2.73	41.16	27.28	0.2	0.2	0.2
2,780.0	8.19	41.16	27.28	1.6	1.4	2.1
2,800.0	13.64	41.16	27.28	4.5	3.9	5.9
2,820.0	19.10	41.16	27.28	8.7	7.6	11.6
2,840.0	24.56	41.16	27.28	14.3	12.5	19.0
2,860.0	30.01	41.16	27.28	21.2	18.5	28.2
2,880.0	35.47	41.16	27.28	29.3	25.6	39.0
2,900.0	40.93	41.16	27.28	38.6	33.8	51.3
2,920.0	46.38	41.16	27.28	49.0	42.9	65.1
2,940.0	51.84	41.16	27.28	60.4	52.8	80.2
2,960.0	57.30	41.16	27.28	72.7	63.5	96.5
2,980.0	62.75	41.16	27.28	85.7	74.9	113.9
3,000.0	68.21	41.16	27.28	99.4	86.9	132.0
3,020.0	73.67	41.16	27.28	113.6	99.3	150.9
3,040.0	79.12	41.16	27.28	128.3	112.1	170.4
3,060.0	84.58	41.16	27.28	143.2	125.2	190.2
3,079.9	90.00	41.16	27.28	158.1	138.2	210.0
3,100.0	90.00	41.16	0.00	173.3	151.5	230.1
3,200.0	90.00	41.16	0.00	248.6	217.3	330.1
3,300.0	90.00	41.16	0.00	323.8	283.1	430.1
3,400.0	90.00	41.16	0.00	399.1	348.9	530.1
3,500.0	90.00	41.16	0.00	474.4	414.7	630.1
3,600.0	90.00	41.16	0.00	549.7	480.5	730.1
3,700.0	90.00	41.16	0.00	625.0	546.3	830.1
3,800.0	90.00	41.16	0.00	700.3	612.2	930.1
3,900.0	90.00	41.16	0.00	775.6	678.0	1,030.1
4,000.0	90.00	41.16	0.00	850.9	743.8	1,130.1

Energen

Plan Design

Company: Energen Resources
Project: SRBR-S24, 32N, 6W
Site: Eul Canyon
Well: San Juan 32-5 Unit #103
Wellbore: San Juan 32-5 Unit #103 ST
Design: Preliminary Plan

Local Co-ordinate Reference: Well San Juan 32-5 Unit #103
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MD Reference: KB @ 6335.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	Inc (°)	Azi (°)	Build ("/100ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
4,100.0	90.00	41.16	0.00	926.2	809.6	1,230.1
4,200.0	90.00	41.16	0.00	1,001.5	875.4	1,330.1
4,300.0	90.00	41.16	0.00	1,076.7	941.2	1,430.1
4,400.0	90.00	41.16	0.00	1,152.0	1,007.0	1,530.1
4,500.0	90.00	41.16	0.00	1,227.3	1,072.8	1,630.1
4,600.0	90.00	41.16	0.00	1,302.6	1,138.7	1,730.1
4,700.0	90.00	41.16	0.00	1,377.9	1,204.5	1,830.1
4,800.0	90.00	41.16	0.00	1,453.2	1,270.3	1,930.1
4,900.0	90.00	41.16	0.00	1,528.5	1,336.1	2,030.1
5,000.0	90.00	41.16	0.00	1,603.8	1,401.9	2,130.1
5,087.9	90.00	41.16	0.00	1,669.9	1,459.8	2,218.0

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Land Curve - plan hits target - Point	0.00	0.00	2,960.0	158.1	138.2	-11,255,466.50	82,308,928.02	0° 5' 29.039 N	1613° 43' 54.696 E
TD Lateral - plan hits target - Point	0.00	0.00	2,960.0	1,669.9	1,459.8	-11,256,778.77	82,310,447.93	0° 57' 56.032 N	1613° 53' 53.043 E
KOP - plan hits target - Point	0.00	0.00	2,750.0	0.0	0.0	-11,255,329.28	82,308,769.07	0° 0' 0.000 N	1613° 42' 52.144 E

Checked By: _____ Approved By: _____ Date: _____