

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: 1690' FNL, 835' FWL (E)

BHL: 760' FNL, 2530' FWL (C)

Sec. 24, T32N, R6W

## 5. Lease Serial No.

SF-079011

## 6. If Indian, Allottee or Tribe Name

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

## 8. Well Name and No.

SJ 32-5 Unit 102S

## 9 API Well No

30-039-27268

## 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 recompleteness 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 recompleteness 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 # 102S 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 2852' +/- (TVD) and a window milled in the existing 7" casing from 2840-2846' +/- (TVD). The lateral will be drilled to 4893'MD, 3050'TVD. A 4.5" 11.6 ppf, J-55, LTC pre-drilled liner will be ran and set from 2842-4893'MD. A 2 3/8" tubing string will be landed at 3200' TVD in the 7" casing.

RCVD SEP 24 '07

HOLD 0104 FOR directional survey OIL CONS. DIV.

DIST. 3

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING &amp; CEMENT

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

Nathan Smith

## Title

Drilling Engineer

Date 9/20/2007

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

## Approved by

## Title

Petr. Eng.

## Date

9/21/07

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.

**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

RCVD SEP 24 '07

☒ AMENDED REPORT

OIL CONS. DIV.

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-039-27268	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name Basin Fruitland Coal	<b>DIST. 3</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name San Juan 32-5 Unit		<sup>6</sup> Well Number #102S
<sup>7</sup> OGRID No. 162928	<sup>8</sup> Operator Name Energen Resources Corporation		<sup>9</sup> Elevation 6433' GL

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	24	32N	6W		1690	North	835	West	Rio Arriba

<sup>11</sup> 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
C	24	32N	6W		760	North	2530	West	Rio Arriba

<sup>12</sup> Dedicated Acres 320 W/2	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<sup>16</sup>	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> 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 Date 8/31/2007	
	Jason Kincaid Printed Name	
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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. October 9, 2002 Date of Survey Signature and Seal of Professional Surveyor: Original Survey Conducted and Recorded By: Jason C. Edwards	
	15269 Certificate Number	

# **Energen Resources**

**SJBR-S24, 32N, 6W**

**Eul Canyon**

**San Juan 32-5 Unit 102S**

**San Juan 32-5 Unit #102S ST**

**Plan: Preliminary Plan**

## **Planned Wellpath**

**20 September, 2007**

Project: SJBR-S24, 32N, 6W

Site: Eul Canyon

Well: San Juan 32-5 Unit 102S

Wellbore: San Juan 32-5 Unit #102S ST

Plan: Preliminary Plan (San Juan 32-5 Unit 102S/San Juan 32-5 Unit #102S ST)

PROJECT DETAILS: SJBR-S24, 32N, 6W

Geodetic System: US State Plane 1927 (Exact solution)

Datum: NAD 1927 (NADCON CONUS)

Ellipsoid: Clarke 1866

Zone: New Mexico Central 3002

System Datum: Mean Sea Level

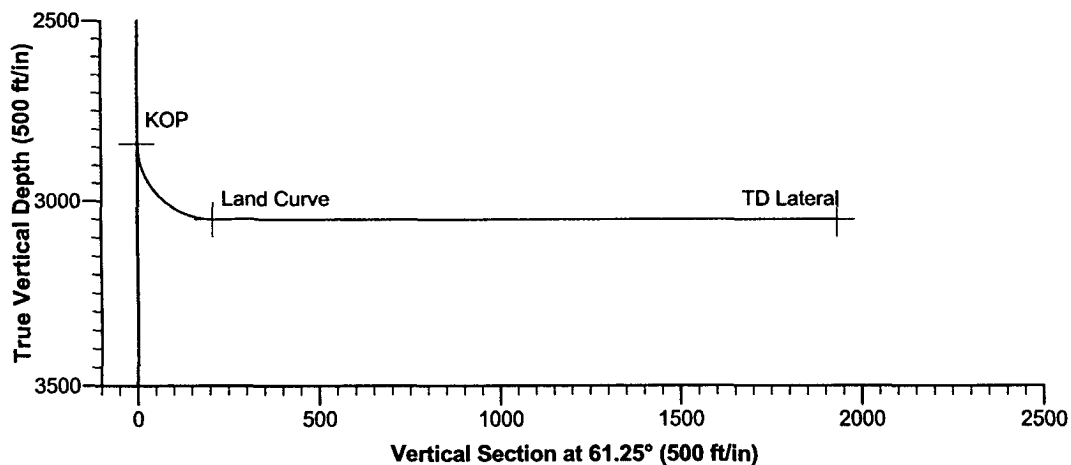
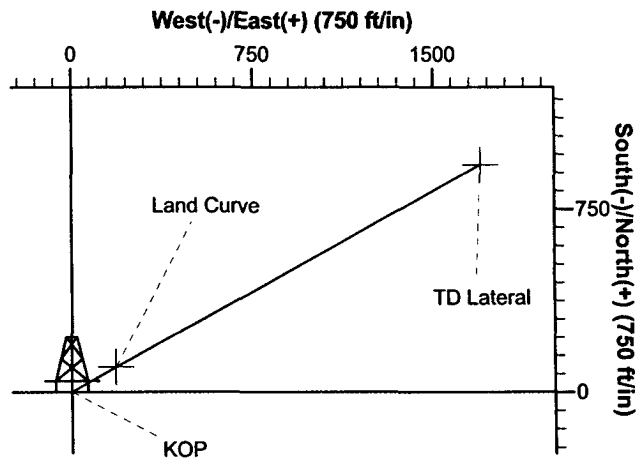


Azimuths to True North  
Magnetic North: 0.00°

Magnetic Field  
Strength: 0.0snT  
Dip Angle: 0.00°  
Date: 8/31/2007  
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	2840.0	0.00	0.00	2840.0	0.0	0.0	0.00	0.00	0.0	KOP
3	3169.9	90.00	61.25	3050.0	101.0	184.1	27.28	61.25	210.0	Land Curve
4	4893.2	90.00	61.24	3050.0	930.0	1695.0	0.00	0.00	1933.4	TD Lateral



# Energen

## Planned Wellpath



**Company:** Energen Resources  
**Project:** SJBR-S24, 32N, 6W  
**Site:** Eul Canyon  
**Well:** San Juan 32-5 Unit 102S  
**Wellbore:** San Juan 32-5 Unit #102S ST  
**Design:** Preliminary Plan

**Local Co-ordinate Reference:** Well San Juan 32-5 Unit 102S  
**TVD Reference:** KB @ 6455.0ft (Drilling Rig)  
**MD Reference:** KB @ 6455.0ft (Drilling Rig)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Single User Db

<b>Project</b>	SJBR-S24, 32N, 6W		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	New Mexico Central 3002		

<b>Site</b>	Eul Canyon		
<b>Site Position:</b>		<b>Northing:</b>	745,321,420.57 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	-99,919,815.25 ft
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	36° 58' 7.000 N
		<b>Longitude:</b>	107° 24' 52.000 E
		<b>Grid Convergence:</b>	0.00 °

<b>Well</b>	San Juan 32-5 Unit 102S		
<b>Well Position</b>	+N/-S	0.0 ft	<b>Northing:</b> 745,321,420.57 ft
	+E/-W	0.0 ft	<b>Easting:</b> -99,919,815.25 ft
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b>	6,433.0 ft
		<b>Latitude:</b>	-1828568467° 32' 0.000 N
		<b>Longitude:</b>	216611884° 52' 0.000 W
		<b>Ground Level:</b>	6,433.0 ft

<b>Wellbore</b>	San Juan 32-5 Unit #102S ST		
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>
	IGRF200510	8/31/2007	(°)
			<b>Dip Angle</b>
			(°)
			<b>Field Strength</b>
			(nT)

<b>Design:</b>	Preliminary Plan		
<b>Audit Notes:</b>			
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b> 0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			<b>Direction</b>
			(°)
			61.25

<b>Survey Tool Program:</b>	Date 9/20/2007		
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>
(ft)	(ft)		
0.0	4,893.2	Preliminary Plan (San Juan 32-5 Unit #102	MWD
			<b>Description</b>
			MWD - Standard

<b>Planned Survey</b>							
<b>MD</b>	<b>TVD</b>	<b>Inc</b>	<b>Azi</b>	<b>Build</b>	<b>V. Sec</b>	<b>N/S</b>	<b>E/W</b>
(ft)	(ft)	(°)	(°)	(°/100ft)	(ft)	(ft)	(ft)
2,800.0	2,800.0	0.00	0.00	0.00	0.0	0.0	0.0
2,840.0	2,840.0	0.00	0.00	0.00	0.0	0.0	0.0
<b>KOP</b>							
2,860.0	2,860.0	5.46	61.25	27.28	1.0	0.5	0.8
2,880.0	2,879.8	10.91	61.25	27.28	3.8	1.8	3.3
2,900.0	2,899.2	16.37	61.25	27.28	8.5	4.1	7.5
2,920.0	2,918.1	21.83	61.25	27.28	15.1	7.2	13.2
2,940.0	2,936.3	27.28	61.25	27.28	23.4	11.2	20.5
2,960.0	2,953.6	32.74	61.25	27.28	33.4	16.0	29.3
2,980.0	2,969.9	38.20	61.25	27.28	45.0	21.6	39.4
3,000.0	2,985.0	43.65	61.25	27.28	58.1	27.9	50.9
3,020.0	2,998.8	49.11	61.25	27.28	72.5	34.9	63.6

# Energen

## Planned Wellpath



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**Database:** EDM 2003.16 Single User Db

### Planned Survey

MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	V. Sec (ft)	N/S (ft)	E/W (ft)
3,040.0	3,011.1	54.57	61.25	27.28	88.3	42.4	77.4
3,060.0	3,021.9	60.02	61.25	27.28	105.1	50.5	92.1
3,080.0	3,031.1	65.48	61.25	27.28	122.9	59.1	107.7
3,100.0	3,038.5	70.94	61.25	27.28	141.4	68.0	124.0
3,120.0	3,044.1	76.39	61.25	27.28	160.6	77.2	140.8
3,140.0	3,047.9	81.85	61.25	27.28	180.2	86.7	158.0
3,160.0	3,049.8	87.31	61.25	27.28	200.1	96.3	175.5
3,169.9	3,050.0	90.00	61.25	27.28	210.0	101.0	184.1
<b>Land Curve</b>							
3,200.0	3,050.0	90.00	61.25	0.00	240.1	115.5	210.5
3,300.0	3,050.0	90.00	61.25	0.00	340.1	163.6	298.2
3,400.0	3,050.0	90.00	61.25	0.00	440.1	211.7	385.9
3,500.0	3,050.0	90.00	61.25	0.00	540.1	259.8	473.5
3,600.0	3,050.0	90.00	61.25	0.00	640.1	307.9	561.2
3,700.0	3,050.0	90.00	61.25	0.00	740.1	356.0	648.9
3,800.0	3,050.0	90.00	61.25	0.00	840.1	404.1	736.6
3,900.0	3,050.0	90.00	61.25	0.00	940.1	452.2	824.2
4,000.0	3,050.0	90.00	61.25	0.00	1,040.1	500.3	911.9
4,100.0	3,050.0	90.00	61.25	0.00	1,140.1	548.4	999.6
4,200.0	3,050.0	90.00	61.25	0.00	1,240.1	596.5	1,087.3
4,300.0	3,050.0	90.00	61.25	0.00	1,340.1	644.6	1,174.9
4,400.0	3,050.0	90.00	61.25	0.00	1,440.1	692.7	1,262.6
4,500.0	3,050.0	90.00	61.25	0.00	1,540.1	740.8	1,350.3
4,600.0	3,050.0	90.00	61.25	0.00	1,640.1	788.9	1,438.0
4,700.0	3,050.0	90.00	61.25	0.00	1,740.1	837.0	1,525.6
4,800.0	3,050.0	90.01	61.25	0.00	1,840.1	885.1	1,613.3
4,893.2	3,050.0	90.00	61.24	0.00	1,933.4	930.0	1,695.0
<b>TD Lateral</b>							

### 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
TD Lateral - plan hits target - Point	0.00	0.00	3,050.0	930.0	1,695.0	745,322,350.57	-99,918,120.25	-1845611063° 51'	205304397° 39'
KOP - plan hits target - Point	0.00	0.00	2,840.0	0.0	0.0	745,321,420.57	-99,919,815.25	-1828568467° 31'	216611884° 51'
Land Curve - plan hits target - Point	0.00	0.00	3,050.0	101.0	184.1	745,321,521.57	-99,919,631.15	-1830421804° 6'	215382232° 49'

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_