

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 02 2008

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

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: 2325' FNL, 1010' FEL (H)

BHL: 110' FNL, 2500' FEL (A)

Sec. 23, 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.

NMNM 99393

8. Well Name and No.

San Juan 32-5 Unit 101

9. API Well No.

30-039-24338

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 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.)

The bottom hole location for the side track of the San Juan 32-5 Unit #101 has been changed to 2500' FEL and 110' FNL. The changes made to accomodate this difference will be; The window in the existing 7" 23# K-55 production casing will be milled at 2682' TVD and a 6 1/4" hole will be drilled to 5548' MD. A 4 1/2" 11.6# K-55 predrilled liner will be run and set from 2700' - 5548'.

RCVD MAY 7 '08

OIL CONS. DIV.

DIST. 3

Hold C104

for Directional Survey
and "As Drilled" plat

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

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

Name (Printed/Typed)

Devin Mills

Title

Drilling Engineer

Date 4/24/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

MAY 06 2008

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.

NMOC

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 30-039-24338	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code	⁵ Property Name San Juan 32-5 Unit NP	⁶ Well Number #101
⁷ OGRID No. 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 6404' 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
H	23	32N	6W		2325	North	1010	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	23	32N	6W		110	North	2500	East	Rio Arriba

¹² Dedicated Acres 160 NE 1/4 320 E/P	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>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> Signature: Date: 4/30/2008 Devin Mills Printed Name
	¹⁸ SURVEYOR CERTIFICATION <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> June 2, 1988 Date of Survey Signature and Seal of Professional Surveyor: Original Survey Conducted and Recorded By: Neale C. Edwards
	6857 Certificate Number

Energen Resources

SJ BR - NE S 23, T32N, R6W

Eul Canyon

San Juan 32-5 Unit NP #101

Horizontal Sidetrack Recompletion

Plan: Preliminary Plan

Planned Wellpath

30 April, 2008

Project: SJ BR - NE S 23, T32N, R6W

Site: Eul Canyon

Well: San Juan 32-5 Unit NP #101

Wellbore Horizontal Sidetrack Recompletion

Plan: Preliminary Plan (San Juan 32-5 Unit NP #101/Horizontal Sidetrack Recompletion)

PROJECT DETAILS: SJ BR - NE S 23, T32N, R6W

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Central Zone
System Datum: Mean Sea Level

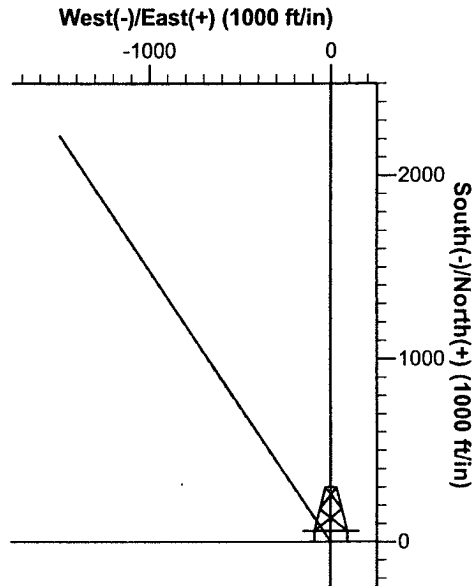
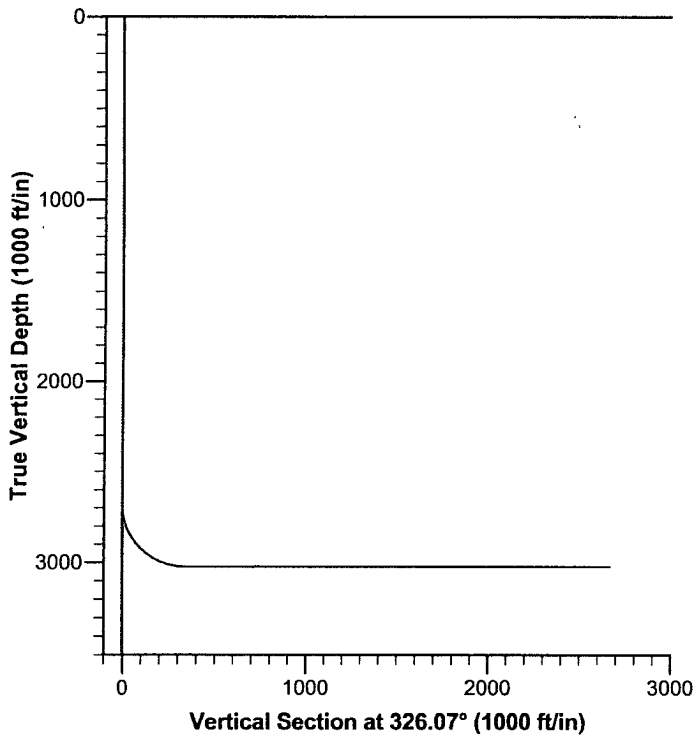


Azimuths to True North
Magnetic North: 10.15°

Magnetic Field
Strength: 51244.2snT
Dip Angle: 63.80°
Date: 4/28/2008
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	2682.0	0.00	0.00	2682.0	0.0	0.0	0.00	0.00	0.0	
3	3220.8	90.00	326.07	3025.0	284.6	-191.5	16.70	326.07	343.0	
4	5547.8	90.00	326.07	3025.0	2215.4	-1490.3	0.00	0.00	2670.0	



Energen

Planned Wellpath



Company: Energen Resources
Project: SJ BR - NE S 23, T32N, R6W
Site: Eul Canyon
Well: San Juan 32-5 Unit NP #101
Wellbore: Horizontal Sidetrack Recompletion
Design: Preliminary Plan

Local Co-ordinate Reference: Well San Juan 32-5 Unit NP #101
TVD Reference: KB @ 6417.0ft (Drilling Rig)
MD Reference: KB @ 6417.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Project SJ BR - NE S 23, T32N, R6W
Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Central Zone

System Datum: Mean Sea Level

Site Eul Canyon

Site Position:		Northing:	2,172,329.10 ft	Latitude:	36° 57' 50.796 N
From:	Lat/Long	Easting:	1,298,599.87 ft	Longitude:	107° 25' 12.072 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-0.70 °

Well San Juan 32-5 Unit NP #101

Well Position	+N/-S	0.0 ft	Northing:	2,172,329.10 ft	Latitude:	36° 57' 50.796 N
	+E/-W	0.0 ft	Easting:	1,298,599.87 ft	Longitude:	107° 25' 12.072 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	6,405.0 ft	Ground Level:	6,405.0 ft

Wellbore Horizontal Sidetrack Recompletion

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	4/28/2008	10.15	63.81	51,244

Design Preliminary Plan

Audit Notes:

Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	326.07

Survey Tool Program Date: 4/30/2008

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	5,547.8	Preliminary Plan (Horizontal Sidetrack Rec	MWD	MWD - Standard

Planned Survey

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

Energen

Planned Wellpath



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MD Reference: KB @ 6417.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
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)
1,200.0	1,200.0	0.00	0.00	0.00	0.0	0.0	0.0
1,300.0	1,300.0	0.00	0.00	0.00	0.0	0.0	0.0
1,400.0	1,400.0	0.00	0.00	0.00	0.0	0.0	0.0
1,500.0	1,500.0	0.00	0.00	0.00	0.0	0.0	0.0
1,600.0	1,600.0	0.00	0.00	0.00	0.0	0.0	0.0
1,700.0	1,700.0	0.00	0.00	0.00	0.0	0.0	0.0
1,800.0	1,800.0	0.00	0.00	0.00	0.0	0.0	0.0
1,900.0	1,900.0	0.00	0.00	0.00	0.0	0.0	0.0
2,000.0	2,000.0	0.00	0.00	0.00	0.0	0.0	0.0
2,100.0	2,100.0	0.00	0.00	0.00	0.0	0.0	0.0
2,200.0	2,200.0	0.00	0.00	0.00	0.0	0.0	0.0
2,300.0	2,300.0	0.00	0.00	0.00	0.0	0.0	0.0
2,400.0	2,400.0	0.00	0.00	0.00	0.0	0.0	0.0
2,500.0	2,500.0	0.00	0.00	0.00	0.0	0.0	0.0
2,600.0	2,600.0	0.00	0.00	0.00	0.0	0.0	0.0
2,682.0	2,682.0	0.00	0.00	0.00	0.0	0.0	0.0
2,700.0	2,700.0	3.01	326.07	16.70	0.5	0.4	-0.3
2,725.0	2,724.9	7.18	326.07	16.70	2.7	2.2	-1.5
2,750.0	2,749.6	11.36	326.07	16.70	6.7	5.6	-3.8
2,775.0	2,773.9	15.54	326.07	16.70	12.5	10.4	-7.0
2,800.0	2,797.7	19.71	326.07	16.70	20.1	16.7	-11.2
2,825.0	2,820.9	23.89	326.07	16.70	29.4	24.4	-16.4
2,850.0	2,843.4	28.06	326.07	16.70	40.3	33.5	-22.5
2,875.0	2,865.0	32.24	326.07	16.70	52.9	43.9	-29.5
2,900.0	2,885.6	36.42	326.07	16.70	67.0	55.6	-37.4
2,925.0	2,905.2	40.59	326.07	16.70	82.5	68.5	-46.1
2,950.0	2,923.6	44.77	326.07	16.70	99.5	82.5	-55.5
2,975.0	2,940.6	48.94	326.07	16.70	117.7	97.7	-65.7
3,000.0	2,956.4	53.12	326.07	16.70	137.2	113.8	-76.6
3,025.0	2,970.6	57.30	326.07	16.70	157.7	130.8	-88.0
3,050.0	2,983.4	61.47	326.07	16.70	179.2	148.7	-100.0
3,075.0	2,994.5	65.65	326.07	16.70	201.6	167.2	-112.5
3,100.0	3,004.0	69.82	326.07	16.70	224.7	186.4	-125.4
3,125.0	3,011.7	74.00	326.07	16.70	248.5	206.1	-138.7
3,150.0	3,017.7	78.18	326.07	16.70	272.7	226.3	-152.2
3,175.0	3,021.9	82.35	326.07	16.70	297.4	246.7	-166.0
3,200.0	3,024.4	86.53	326.07	16.70	322.2	267.4	-179.9
3,220.8	3,025.0	90.00	326.07	16.70	343.0	284.6	-191.5
3,300.0	3,025.0	90.00	326.07	0.00	422.2	350.3	-235.7
3,400.0	3,025.0	90.00	326.07	0.00	522.2	433.3	-291.5
3,500.0	3,025.0	90.00	326.07	0.00	622.2	516.3	-347.3
3,600.0	3,025.0	90.00	326.07	0.00	722.2	599.2	-403.1
3,700.0	3,025.0	90.00	326.07	0.00	822.2	682.2	-458.9
3,800.0	3,025.0	90.00	326.07	0.00	922.2	765.2	-514.8

Energen

Planned Wellpath



Company: Energen Resources
Project: SJ BR - NE S 23, T32N, R6W
Site: Eul Canyon
Well: San Juan 32-5 Unit NP #101
Wellbore: Horizontal Sidetrack Recompletion
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North Reference: True
Survey Calculation Method: Minimum Curvature
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)
3,900.0	3,025.0	90.00	326.07	0.00	1,022.2	848.2	-570.6
4,000.0	3,025.0	90.00	326.07	0.00	1,122.2	931.1	-626.4
4,100.0	3,025.0	90.00	326.07	0.00	1,222.2	1,014.1	-682.2
4,200.0	3,025.0	90.00	326.07	0.00	1,322.2	1,097.1	-738.0
4,300.0	3,025.0	90.00	326.07	0.00	1,422.2	1,180.0	-793.9
4,400.0	3,025.0	90.00	326.07	0.00	1,522.2	1,263.0	-849.7
4,500.0	3,025.0	90.00	326.07	0.00	1,622.2	1,346.0	-905.5
4,600.0	3,025.0	90.00	326.07	0.00	1,722.2	1,429.0	-961.3
4,700.0	3,025.0	90.00	326.07	0.00	1,822.2	1,511.9	-1,017.1
4,800.0	3,025.0	90.00	326.07	0.00	1,922.2	1,594.9	-1,072.9
4,900.0	3,025.0	90.00	326.07	0.00	2,022.2	1,677.9	-1,128.8
5,000.0	3,025.0	90.00	326.07	0.00	2,122.2	1,760.8	-1,184.6
5,100.0	3,025.0	90.00	326.07	0.00	2,222.2	1,843.8	-1,240.4
5,200.0	3,025.0	90.00	326.07	0.00	2,322.2	1,926.8	-1,296.2
5,300.0	3,025.0	90.00	326.07	0.00	2,422.2	2,009.8	-1,352.0
5,400.0	3,025.0	90.00	326.07	0.00	2,522.2	2,092.7	-1,407.9
5,500.0	3,025.0	90.00	326.07	0.00	2,622.2	2,175.7	-1,463.7
5,547.8	3,025.0	90.00	326.07	0.00	2,670.0	2,215.4	-1,490.3

Checked By: _____ Approved By: _____ Date: _____