

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

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: 760' FNL, 100' FEL (A)
Sec. 23, T32N, R6W

SEP 20 2007

Bureau of Land Management
Farmington Field Office

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 NP

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

TYPE OF ACTION

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment Notice

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
- ☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
- ☐ Casing Repair ☐ New Construction ☒ Recomplete ☐ Other
- ☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon
- ☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

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 recomplete the San Juan 32-5 Unit NP #101 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 2843'+/- (TVD) and a window milled in the existing 7" casing from 2831'-2837'+/- (TVD). The lateral will be drilled to 4755' MD, 3031' TVD. A 4.5" 11.6 ppf, J-55, LTC pre-drilled liner will be ran and set from 2833'-4755' MD. A 2 3/8" tubing string will be landed at 3028' TVD in the 7" casing

NOTIFY AZTEC OOD 24 HRS.
PRIOR TO CASING & CEMENT

RCVD SEP 24 '07
OIL CONS. DIV.
DIST. 3

HOLD C104 FOR Directional survey
as drilled plat

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

Title
Drilling Engineer

Date
9/5/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
[Signature]

Title
Pet Eng.

Date
9/21/07

Office

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.

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. H	Section 23	Township 32N	Range 6W	Lot Idn	Feet from the 2325	North/South line North	Feet from the 1010	East/West line East	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. A	Section 23	Township 32N	Range 6W	Lot Idn	Feet from the 760	North/South line North	Feet from the 100	East/West line East	County Rio Arriba
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¹² Dedicated Acres 32.0	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: 9/5/2007 Printed Name: Jason Kincaid
	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> Date of Survey: June 2, 1988 Signature and Seal of Professional Surveyor: Original Survey Conducted and Recorded By: Neale C. Edwards
	6857 Certificate Number

Energen Resources

SJBR-S23, T32N, R6W

Eul Canyon

San Juan 32-5 Unit NP#101

San Juan 32-5 Unit NP #101 ST

Plan: Preliminary Plan

Planned Wellpath

20 September, 2007

Project: SJBR-S23, T32N, R6W

Site: Eul Canyon

Well: San Juan 32-5 Unit NP#101

Wellbore: San Juan 32-5 Unit NP #101 ST

Plan: Preliminary Plan (San Juan 32-5 Unit NP#101/San Juan 32-5 Unit NP #101 ST)

PROJECT DETAILS: SJBR-S23, 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

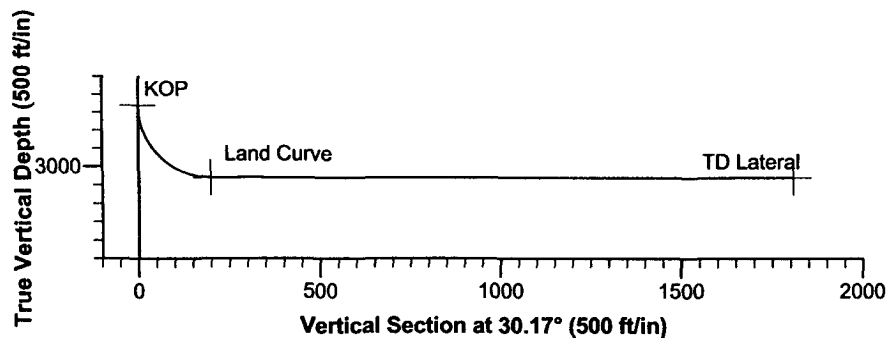
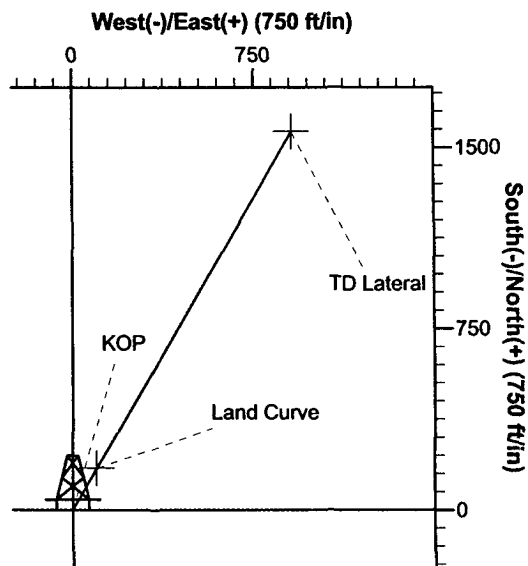


Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0.0snT
Dip Angle: 0.00°
Date: 9/5/2007
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	2831.0	0.00	0.00	2831.0	0.0	0.0	0.00	0.00	0.0	KOP
3	3145.1	90.00	30.17	3031.0	172.9	100.5	28.65	30.17	200.0	Land Curve
4	4755.1	90.00	30.17	3031.0	1564.8	909.6	0.00	0.00	1810.0	TD Lateral



Energen
Planned Wellpath



Company:	Energen Resources	Local Co-ordinate Reference:	Well San Juan 32-5 Unit NP#101
Project:	SJBR-S23, T32N, R6W	TVD Reference:	KB @ 6426.0ft (Drilling Rig)
Site:	Eul Canyon	MD Reference:	KB @ 6426.0ft (Drilling Rig)
Well:	San Juan 32-5 Unit NP#101	North Reference:	True
Wellbore:	San Juan 32-5 Unit NP #101 ST	Survey Calculation Method:	Minimum Curvature
Design:	Preliminary Plan	Database:	EDM 2003.16 Single User Db

Project	SJBR-S23, T32N, R6W		
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:	745,444,365.70 ft
From:	Lat/Long	Easting:	-98,728,640.33 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 58' 0.264 N
		Longitude:	107° 25' 15.060 E
		Grid Convergence:	0.00 °

Well	San Juan 32-5 Unit NP#101		
Well Position	+N/-S	0.0 ft	Northing: 745,444,365.70 ft
	+E/-W	0.0 ft	Easting: -98,728,640.33 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	6,404.0 ft
		Ground Level:	6,404.0 ft

Wellbore	San Juan 32-5 Unit NP #101 ST		
Magnetics	Model Name	Sample Date	Declination
	IGRF200510	9/5/2007	(°)
			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	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction
			(°)
			30.17

Survey Tool Program	Date	9/20/2007		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
0.0	4,755.1	Preliminary Plan (San Juan 32-5 Unit NP #	MWD	MWD - Standard

Planned Survey							
MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	V. Sec (ft)	N/S (ft)	E/W (ft)
2,800.0	2,800.0	0.00	0.00	0.00	0.0	0.0	0.0
2,831.0	2,831.0	0.00	0.00	0.00	0.0	0.0	0.0
KOP							
2,840.0	2,840.0	2.58	30.17	28.65	0.2	0.2	0.1
2,860.0	2,859.9	8.31	30.17	28.65	2.1	1.8	1.1
2,880.0	2,879.5	14.04	30.17	28.65	6.0	5.2	3.0
2,900.0	2,898.6	19.77	30.17	28.65	11.8	10.2	5.9
2,920.0	2,917.1	25.50	30.17	28.65	19.5	16.8	9.8
2,940.0	2,934.7	31.23	30.17	28.65	29.0	25.1	14.6
2,960.0	2,951.2	36.96	30.17	28.65	40.2	34.7	20.2
2,980.0	2,966.6	42.69	30.17	28.65	53.0	45.8	26.6
3,000.0	2,980.6	48.41	30.17	28.65	67.3	58.1	33.8

Energen Planned Wellpath



Company: Energen Resources
Project: SJBR-S23, T32N, R6W
Site: Eul Canyon
Well: San Juan 32-5 Unit NP#101
Wellbore: San Juan 32-5 Unit NP #101 ST
Design: Preliminary Plan

Local Co-ordinate Reference: Well San Juan 32-5 Unit NP#101
TVD Reference: KB @ 6426.0ft (Drilling Rig)
MD Reference: KB @ 6426.0ft (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)
3,020.0	2,993.1	54.14	30.17	28.65	82.9	71.6	41.6
3,040.0	3,004.0	59.87	30.17	28.65	99.6	86.1	50.1
3,060.0	3,013.1	65.60	30.17	28.65	117.4	101.5	59.0
3,080.0	3,020.5	71.33	30.17	28.65	136.0	117.6	68.3
3,100.0	3,025.9	77.06	30.17	28.65	155.2	134.2	78.0
3,120.0	3,029.4	82.79	30.17	28.65	174.9	151.2	87.9
3,140.0	3,030.9	88.52	30.17	28.65	194.8	168.5	97.9
3,145.1	3,031.0	90.00	30.17	28.65	200.0	172.9	100.5
Land Curve							
3,200.0	3,031.0	90.00	30.17	0.00	254.8	220.3	128.1
3,300.0	3,031.0	90.00	30.17	0.00	354.8	306.8	178.3
3,400.0	3,031.0	90.00	30.17	0.00	454.8	393.2	228.6
3,500.0	3,031.0	90.00	30.17	0.00	554.8	479.7	278.8
3,600.0	3,031.0	90.00	30.17	0.00	654.8	566.1	329.1
3,700.0	3,031.0	90.00	30.17	0.00	754.8	652.6	379.3
3,800.0	3,031.0	90.00	30.17	0.00	854.8	739.1	429.6
3,900.0	3,031.0	90.00	30.17	0.00	954.8	825.5	479.8
4,000.0	3,031.0	90.00	30.17	0.00	1,054.8	912.0	530.1
4,100.0	3,031.0	90.00	30.17	0.00	1,154.8	998.4	580.3
4,200.0	3,031.0	90.00	30.17	0.00	1,254.8	1,084.9	630.6
4,300.0	3,031.0	90.00	30.17	0.00	1,354.8	1,171.3	680.9
4,400.0	3,031.0	90.00	30.17	0.00	1,454.8	1,257.8	731.1
4,500.0	3,031.0	90.00	30.17	0.00	1,554.8	1,344.2	781.4
4,600.0	3,031.0	90.00	30.17	0.00	1,654.8	1,430.7	831.6
4,700.0	3,031.0	90.00	30.17	0.00	1,754.8	1,517.2	881.9
4,755.1	3,031.0	90.00	30.17	0.00	1,810.0	1,564.8	909.6

TD Lateral

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	3,031.0	1,564.8	909.6	745,445,930.50	-98,727,730.73	691744077° 14'	-967131071° 9'
KOP - plan hits target - Point	0.00	0.00	2,831.0	0.0	0.0	745,444,365.70	-98,728,640.33	711198832° 7' 0.000	-954162927° 46'
Land Curve - plan hits target - Point	0.00	0.00	3,031.0	172.9	100.5	745,444,538.60	-98,728,539.83	709044760° 55'	-955598784° 20'

Checked By: _____ Approved By: _____ Date: _____