

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 06 2008

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

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.

5. Lease Serial No

NMSF 081181

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No
San Juan 32-5 Unit

8. Well Name and No.

San Juan 32-5 Unit 107S

9. API Well No.

30-039-27407

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 recompletion 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 re-complete the San Juan 32-5 Unit #107S as follows:

*Set a plug and whipstock at 2829' TVD and mill a window from 2829' - 2817'.

*Drill a curve and horizontal lateral to a MD of 5372' (3035' TVD) with a BHL of 2540 FSL, 2540 FEL.

*Line the lateral with a perforated 4 1/2", 11.60 ppf, J-55 LTC liner string.

Attached is a revised C-102 and directional plan depicting this recompletion.

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

Hold C104

for Directional Survey
and "As Drilled" plat

RCVD AUG 11 '08

NOTIFY AZTEC OCD 24 HRS. OIL CONS. DIV.
PRIOR TO CASING & CEMENT DIST. 3

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

Nathan Smith

Title Drilling Engineer

Signature

Date 8/5/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

AUG 07 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.

NMOCD

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 30-039-27407	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code	⁵ Property Name San Juan 32-5 Unit	⁶ Well Number #107S
⁷ OGRID No. 162928	⁸ Operator Name Energen Resources Corporation	⁹ Elevation 6348' GL

¹⁰ Surface Location

UL or lot no. P	Section 26	Township 32N	Range 6W	Lot Idn	Feet from the 875	North/South line South	Feet from the 780	East/West line East	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. J	Section 26	Township 32N	Range 6W	Lot Idn	Feet from the 2540	North/South line South	Feet from the 2540	East/West line East	County Rio Arriba
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¹² Dedicated Acres 320.00 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.

<div style="text-align: center;"> ¹⁶ </div>	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 8/4/2008 Date Nathan Smith 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 October 3, 2002 Date of Survey Signature and Seal of Professional Surveyor. Original Survey Conducted and Recorded By Jason C. Edwards
	15269 Certificate Number

SJ BR

SE Sec 26, T32N, R6W

Eul Canyon

San Juan 32-5 Unit #107S

Proposed Sidetrack

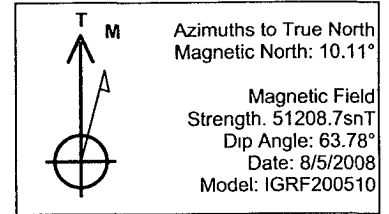
Plan: Plan #1

Planned Wellpath

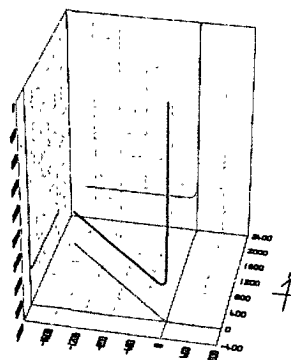
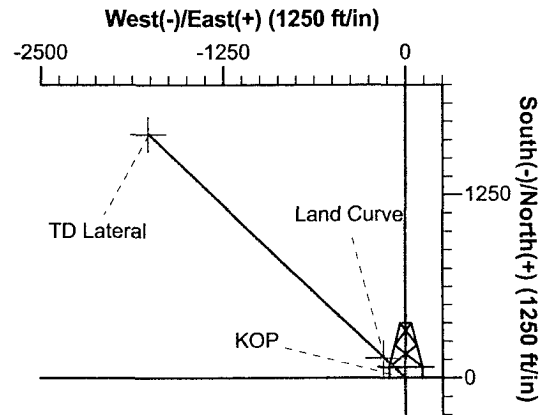
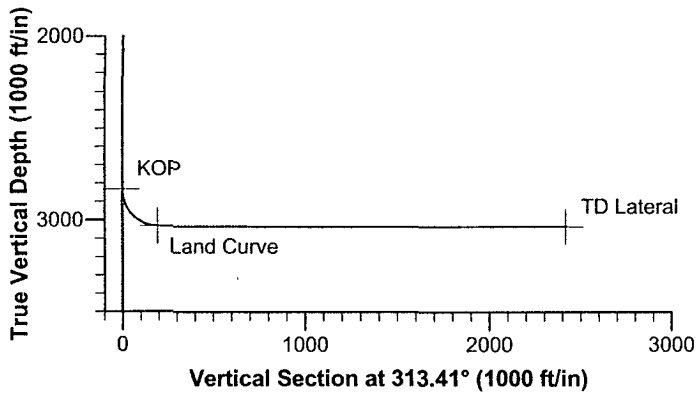
05 August, 2008

Project: SE Sec 26, T32N, R6W
 Site: Eul Canyon
 Well: San Juan 32-5 Unit #107S
 Wellbore: Proposed Sidetrack
 Plan: Plan #1 (San Juan 32-5 Unit #107S/Proposed Sidetrack)

PROJECT DETAILS: SE Sec 26, 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



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	2835.0	0.00	0.00	2835.0	0.0	0.0	0.00	0.00	0.0	KOP
3	3148.6	89.85	313.25	3035.0	136.7	-145.3	28.65	313.25	199.5	Land Curve
4	5371.9	90.15	313.60	3035.0	1665.0	-1760.0	0.02	50.00	2422.8	TD Lateral



Energen

Planned Wellpath

Company: SJ BR
Project: SE Sec 26, T32N, R6W
Site: Eul Canyon
Well: San Juan 32-5 Unit #107S
Wellbore: Proposed Sidetrack
Design: Plan #1

Local Co-ordinate Reference: Well San Juan 32-5 Unit #107S
TVD Reference: KB @ 6363.0ft (Drilling Rig)
MD Reference: KB @ 6363.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Project	SE Sec 26, 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:	2,165,969.54 ft
From:	Lat/Long	Easting:	1,298,445.79 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 56' 47.904 N
		Longitude:	107° 25' 13.008 W
		Grid Convergence:	-0.70 °

Well	San Juan 32-5 Unit #107S		
Well Position	+N/-S	0.0 ft	Northing: 2,165,969.54 ft
	+E/-W	0.0 ft	Easting: 1,298,445.79 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	6,348.0 ft
		Latitude:	36° 56' 47.904 N
		Longitude:	107° 25' 13.008 W
		Ground Level:	6,348.0 ft

Wellbore	Proposed Sidetrack				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	8/5/2008	10.11	63.78	51,209

Design	Plan #1			
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	313.41

Survey Tool Program	Date	8/5/2008		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	5,371.9	Plan #1 (Proposed Sidetrack)		

Planned Survey							
MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	V. Sec (ft)	N/S (ft)	E/W (ft)
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
2,700.0	2,700.0	0.00	0.00	0.00	0.0	0.0	0.0
2,800.0	2,800.0	0.00	0.00	0.00	0.0	0.0	0.0
2,835.0	2,835.0	0.00	0.00	0.00	0.0	0.0	0.0
KOP							
2,840.0	2,840.0	1.43	313.25	28.65	0.1	0.0	0.0

Energen

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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)
2,860.0	2,859.9	7.16	313.25	28.65	1.6	1.1	-1.1
2,880.0	2,879.6	12.89	313.25	28.65	5.0	3.5	-3.7
2,900.0	2,898.9	18.62	313.25	28.65	10.5	7.2	-7.6
2,920.0	2,917.5	24.35	313.25	28.65	17.8	12.2	-13.0
2,940.0	2,935.2	30.08	313.25	28.65	26.9	18.5	-19.6
2,960.0	2,952.0	35.81	313.25	28.65	37.8	25.9	-27.5
2,980.0	2,967.6	41.54	313.25	28.65	50.3	34.5	-36.6
3,000.0	2,981.9	47.27	313.25	28.65	64.3	44.0	-46.8
3,020.0	2,994.7	53.00	313.25	28.65	79.6	54.6	-58.0
3,040.0	3,005.9	58.73	313.25	28.65	96.2	65.9	-70.1
3,060.0	3,015.5	64.46	313.25	28.65	113.8	77.9	-82.9
3,080.0	3,023.2	70.19	313.25	28.65	132.2	90.6	-96.3
3,100.0	3,029.0	75.92	313.25	28.65	151.3	103.7	-110.2
3,120.0	3,032.9	81.65	313.25	28.65	170.9	117.1	-124.5
3,140.0	3,034.8	87.38	313.25	28.65	190.8	130.8	-139.0
3,148.6	3,035.0	89.85	313.25	28.65	199.5	136.7	-145.3
Land Curve							
3,200.0	3,035.1	89.86	313.26	0.01	250.8	171.9	-182.7
3,300.0	3,035.4	89.87	313.27	0.01	350.8	240.4	-255.5
3,400.0	3,035.6	89.89	313.29	0.01	450.8	309.0	-328.3
3,500.0	3,035.8	89.90	313.30	0.01	550.8	377.5	-401.1
3,600.0	3,035.9	89.91	313.32	0.01	650.8	446.1	-473.9
3,700.0	3,036.1	89.93	313.34	0.01	750.8	514.8	-546.6
3,800.0	3,036.2	89.94	313.35	0.01	850.8	583.4	-619.3
3,900.0	3,036.3	89.95	313.37	0.01	950.8	652.1	-692.0
4,000.0	3,036.4	89.97	313.38	0.01	1,050.8	720.7	-764.7
4,100.0	3,036.4	89.98	313.40	0.01	1,150.8	789.4	-837.4
4,200.0	3,036.4	89.99	313.42	0.01	1,250.8	858.2	-910.0
4,300.0	3,036.4	90.01	313.43	0.01	1,350.8	926.9	-982.7
4,400.0	3,036.4	90.02	313.45	0.01	1,450.8	995.7	-1,055.3
4,500.0	3,036.4	90.03	313.46	0.01	1,550.8	1,064.4	-1,127.9
4,600.0	3,036.3	90.05	313.48	0.01	1,650.8	1,133.2	-1,200.4
4,700.0	3,036.2	90.06	313.50	0.01	1,750.8	1,202.1	-1,273.0
4,800.0	3,036.1	90.07	313.51	0.01	1,850.8	1,270.9	-1,345.5
4,900.0	3,036.0	90.09	313.53	0.01	1,950.8	1,339.8	-1,418.0
5,000.0	3,035.8	90.10	313.54	0.01	2,050.8	1,408.6	-1,490.5
5,100.0	3,035.6	90.11	313.56	0.01	2,150.8	1,477.5	-1,563.0
5,200.0	3,035.4	90.13	313.58	0.01	2,250.8	1,546.5	-1,635.5
5,300.0	3,035.2	90.14	313.59	0.01	2,350.8	1,615.4	-1,707.9
5,371.9	3,035.0	90.15	313.60	0.01	2,422.8	1,665.0	-1,760.0

TD Lateral

Energen

Planned Wellpath

Company: SJ BR
Project: SE Sec 26, T32N, R6W
Site: Eul Canyon
Well: San Juan 32-5 Unit #107S
Wellbore: Proposed Sidetrack
Design: Plan #1

Local Co-ordinate Reference: Well San Juan 32-5 Unit #107S
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North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

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	3,035.0	1,665.0	-1,760.0	2,167,656.02	1,296,706.37	36° 57' 4.366 N	107° 25' 34.690 W
Land Curve - plan hits target - Point	0.00	0.00	3,035.0	136.7	-145.3	2,166,107.99	1,298,302.18	36° 56' 49.255 N	107° 25' 14.798 W
KOP - plan hits target - Point	0.00	0.00	2,835.0	0.0	0.0	2,165,969.54	1,298,445.79	36° 56' 47.904 N	107° 25' 13.008 W

Checked By: _____ Approved By: _____ Date: _____