

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

NOV 18 2009

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.

Lease Serial No.
NMSF 079011A
Indian, Allottee or Tribe Name
Confidential
Office
Farmington Field Office

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit or CA/Agreement, Name and/or No. San Juan 32-5 Unit
2. Name of Operator Energen Resources Corporation		8. Well Name and No. San Juan 32-5 Unit 108S
3a. Address 2010 Afton Place, Farmington, NM 87401	3b. Phone No. (include area code) (505) 325-6800	9. API Well No. 30-039-26906
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 700 FSL, 1360 FEL SEC.27 T32N R06W		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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplete 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 #108S as follows:

*Set a plug and whipstock at 2605' TVD and mill a window from 2593' - 2599'.

*Drill a curve and horizontal lateral to a MD of 4849' (2813' TVD) with a BHL of 2500 FSL, 2500 FEL.

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

*A 2-3/8" tubing string will be landed at 2810'TVD in the 7" casing.

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

RCVD NOV 20 '09
OIL CONS. DIV.
DIST. 3

Hold C104
for Directional Survey
and "As Drilled" plat

P.A.

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Jason Kincaid	Title Drilling Engineer
Signature 	Date 11/17/09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason	Title	Date NOV 18 2009
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 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 30-039-26906		² Pool Code 71629		³ Pool Name Basin Fruitland Coal	
⁴ Property Code 21996		⁵ Property Name San Juan 32-5 Unit			⁶ Well Number 108S
⁷ OGRID No. 162928		⁸ Operator Name ENERGEN RESOURCES CORPORATION			⁹ Elevation 6132'

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
P	27	32N	6W		700	SOUTH	1360	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
K	27	32N	6W		2500	SOUTH	2500	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.

<p>16</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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</p> <p><i>[Signature]</i> 11/17/2009 Signature Date</p> <p>JASON KINCAID Printed Name</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>DECEMBER 5, 2001 Date of Survey</p> <p>Original Survey Conducted and Recorded By: Jason C Edwards</p> <p>15269 Certificate Number</p>



Energen Resources Corp.

SJBR-Sec.27-T32N-R06W

Eul Canyon

San Juan 32-5 Unit #108S

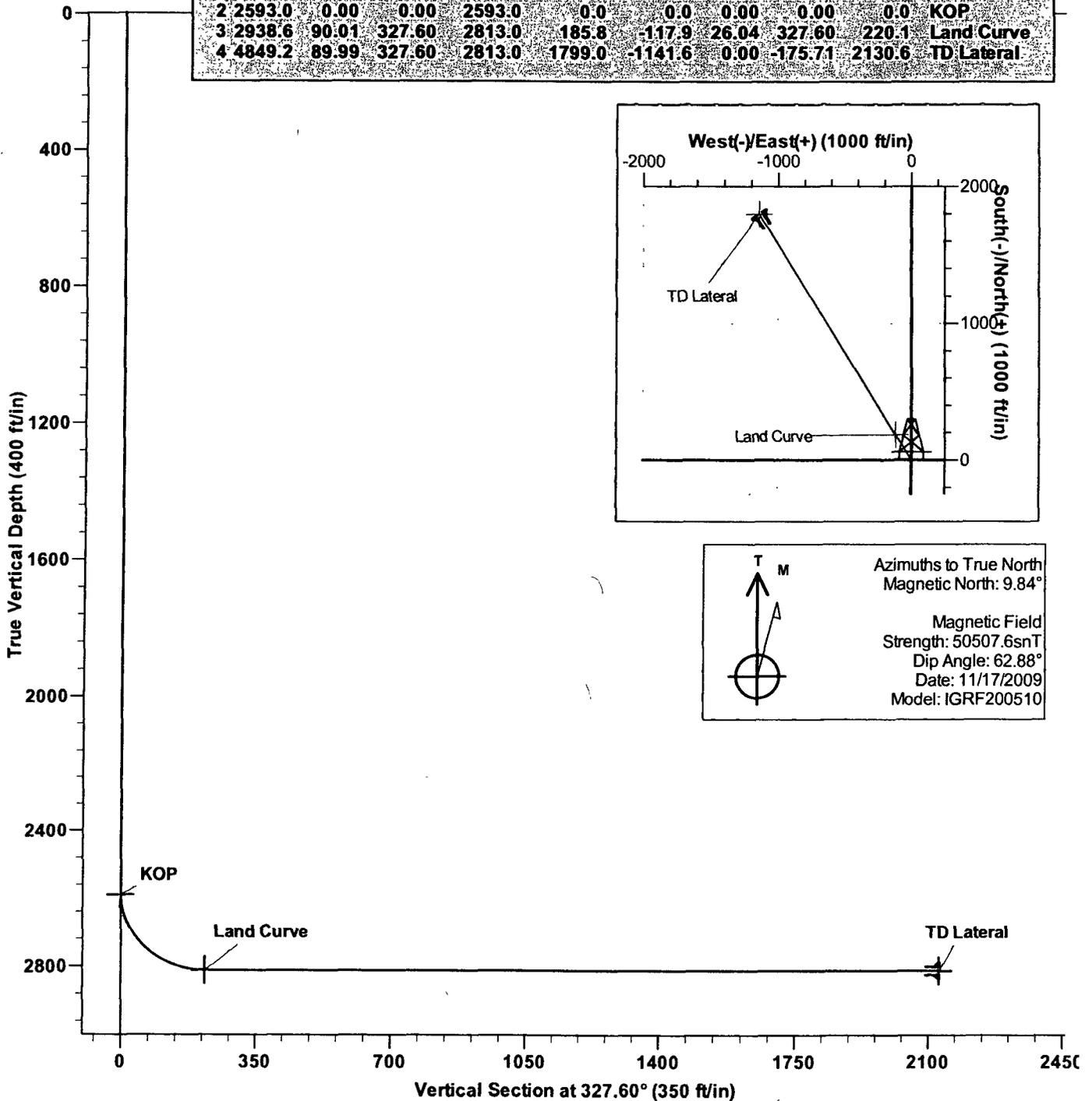
Re-Entry Sidetrack OPE FTC

Plan: Plan #1

Directional Plan

17 November, 2009

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	2593.0	0.00	0.00	2593.0	0.0	0.0	0.00	0.00	0.0	KOP
3	2938.6	90.01	327.60	2813.0	185.8	-117.9	26.04	327.60	220.1	Land Curve
4	4849.2	89.99	327.60	2813.0	1799.0	-1141.6	0.00	-175.71	2130.6	TD Lateral





Energen Resources
Directional Plan

Company: Energen Resources Corp.
Project: SJBR-Sec.27-T32N-R06W
Site: Eul Canyon
Well: San Juan 32-5 Unit #108S
Wellbore: Re-Entry Sidetrack OPE FTC
Design: Plan #1

Local Co-ordinate Reference: Well San Juan 32-5 Unit #108S
TVD Reference: KB @ 6147.0ft (Drilling Rig)
MD Reference: KB @ 6147.0ft (Drilling Rig)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Project	SJBR-Sec.27-T32N-R06W		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico Central 3002		

Site	Eul Canyon		
Site Position:		Northing:	1,801,743.44 ft
From:	Lat/Long	Easting:	147,681.05 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	35° 56' 46.000 N
		Longitude:	107° 26' 25.000 W
		Grid Convergence:	-0.70 °

Well	San Juan 32-5 Unit #108S		
Well Position	+N/-S	0.0 ft	Northing: 1,801,743.44 ft
	+E/-W	0.0 ft	Easting: 147,681.05 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	6,132.0 ft
		Latitude:	35° 56' 46.000 N
		Longitude:	107° 26' 25.000 W
		Ground Level:	6,132.0 ft

Wellbore	Re-Entry Sidetrack OPE FTC				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	11/17/2009	(°) 9.84	(°) 62.88	(nT) 50,508

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	327.60

Survey Tool Program	Date	11/17/2009		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	4,849.2	Plan #1 (Re-Entry Sidetrack OPE FTC)	MWD	MWD - Standard

Planned Survey								
MD	TVD	Inc	Azi	Build	N/S	E/W	V. Sec	
(ft)	(ft)	(°)	(°)	(°/100ft)	(ft)	(ft)	(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	



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Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	TVD (ft)	Inc (°)	Azi (°)	Build (°/100ft)	N/S (ft)	E/W (ft)	V. Sec (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
2,593.0	2,593.0	0.00	0.00	0.00	0.0	0.0	0.0
KOP							
2,600.0	2,600.0	1.82	327.60	26.04	0.1	-0.1	0.1
2,620.0	2,619.9	7.03	327.60	26.04	1.4	-0.9	1.7
2,640.0	2,639.6	12.24	327.60	26.04	4.2	-2.7	5.0
2,660.0	2,659.0	17.45	327.60	26.04	8.5	-5.4	10.1
2,680.0	2,677.8	22.66	327.60	26.04	14.3	-9.1	17.0
2,700.0	2,695.8	27.87	327.60	26.04	21.5	-13.7	25.5
2,720.0	2,713.1	33.08	327.60	26.04	30.1	-19.1	35.7
2,740.0	2,729.3	38.28	327.60	26.04	39.9	-25.3	47.3
2,760.0	2,744.4	43.49	327.60	26.04	51.0	-32.4	60.4
2,780.0	2,758.3	48.70	327.60	26.04	63.2	-40.1	74.8
2,800.0	2,770.8	53.91	327.60	26.04	76.3	-48.4	90.4
2,820.0	2,781.8	59.12	327.60	26.04	90.4	-57.4	107.1
2,840.0	2,791.3	64.33	327.60	26.04	105.3	-66.8	124.7
2,860.0	2,799.1	69.54	327.60	26.04	120.8	-76.7	143.1
2,880.0	2,805.2	74.74	327.60	26.04	136.9	-86.9	162.1
2,900.0	2,809.6	79.95	327.60	26.04	153.4	-97.3	181.6
2,920.0	2,812.2	85.16	327.60	26.04	170.1	-107.9	201.4
2,938.6	2,813.0	90.01	327.60	26.04	185.8	-117.9	220.1
Land Curve							
3,000.0	2,813.0	90.01	327.60	0.00	237.6	-150.8	281.4
3,100.0	2,813.0	90.01	327.60	0.00	322.1	-204.4	381.4
3,200.0	2,812.9	90.01	327.60	0.00	406.5	-257.9	481.4
3,300.0	2,812.9	90.01	327.60	0.00	490.9	-311.5	581.4
3,400.0	2,812.9	90.01	327.60	0.00	575.4	-365.1	681.4
3,500.0	2,812.9	90.01	327.60	0.00	659.8	-418.7	781.4
3,600.0	2,812.9	90.00	327.60	0.00	744.2	-472.3	881.4
3,700.0	2,812.9	90.00	327.60	0.00	828.7	-525.8	981.4
3,800.0	2,812.9	90.00	327.60	0.00	913.1	-579.4	1,081.4
3,900.0	2,812.9	90.00	327.60	0.00	997.5	-633.0	1,181.4



Energen Resources
Directional Plan

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Design: Plan #1

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MD Reference: KB @ 6147.0ft (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)	N/S (ft)	E/W (ft)	V. Sec (ft)
4,000.0	2,812.9	90.00	327.60	0.00	1,082.0	-686.6	1,281.4
4,100.0	2,812.9	90.00	327.60	0.00	1,166.4	-740.2	1,381.4
4,200.0	2,812.9	90.00	327.60	0.00	1,250.8	-793.7	1,481.4
4,300.0	2,812.9	89.99	327.60	0.00	1,335.3	-847.3	1,581.4
4,400.0	2,812.9	89.99	327.60	0.00	1,419.7	-900.9	1,681.4
4,500.0	2,812.9	89.99	327.60	0.00	1,504.1	-954.5	1,781.4
4,600.0	2,813.0	89.99	327.60	0.00	1,588.6	-1,008.1	1,881.4
4,700.0	2,813.0	89.99	327.60	0.00	1,673.0	-1,061.6	1,981.4
4,800.0	2,813.0	89.99	327.60	0.00	1,757.4	-1,115.2	2,081.4
4,849.2	2,813.0	89.99	327.60	0.00	1,799.0	-1,141.6	2,130.6

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
Land Curve - plan hits target - Point	0.00	0.00	2,813.0	185.8	-117.9	1,801,930.66	147,565.43	35° 56' 47.837 N	107° 26' 26.434 W
KOP - plan hits target - Point	0.00	0.00	2,593.0	0.0	0.0	1,801,743.44	147,681.05	35° 56' 46.000 N	107° 26' 25.000 W
TD Lateral - plan hits target - Point	0.00	0.00	2,813.0	1,799.0	-1,141.6	1,803,556.23	146,561.48	35° 57' 3.790 N	107° 26' 38.884 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
4,849.0	2,813.0	Liner	4-1/2	6-1/4

Checked By: _____ Approved By: _____ Date: _____