

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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.

MAY 05 2011

Farmington Field Office

SUBMIT IN TRIPLICATE - Other instructions on page 2

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2 Name of Operator

Energen Resources Corporation

3a Address

2010 Afton Place, 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: (P) Sec.27-T32N-R6W ; 700' FSL, 1360' FEL

BHL: (J) Sec.27-T32N-R6W ; 2500' FSL, 2500' FEL
20 03.

5 Lease Serial No

NMSE 079011-A

6 If Indian, Allottee or Tribe Name

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 108S

9 API Well No

30-039-26906

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

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.)

This subsequent report for the San Juan 32-5 Unit #108S is being submitted in follow up to the Intent to Recomplete filed on 01/14/11 - approved by BLM 01/24/11.

4/19/11 TIH with whipstock. Mill window from 2580' - 2602'. Drill 6.25" horizontal sidetrack hole in the Fruitland Coal to a MD 4854'. (See attached drilling survey.)

TIH WITH 4.50" 11.6 J-55 perforated liner, set at 4740'. TOL: 2573'. Perforations in the Fruitland Coal are from 2920' - 4649'. Original vertical perms from 2792'-2798', 2811-2835', 2896'-2905' & 2915'-2918' are isolated by a composite bridge plug @ 2600' TVD.

4/26/11 TIH with 2.375" 4.7# J-55 production tubing, set at 2307'. Rig released 4/26/11.

See attachments for production liner specifications.

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

Anna Stotts

Title Regulatory Analyst

Signature

Date 5/1/11

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date MAY 09 2011

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.

NMUCD

San Juan 32-5 Unit #108S

*Energen Resources has set 2 Baker Hughes Swell Packers for the isolation per NMOCD requirements.

*The swell packers were spaced out on the 4-1/2" 11.6# liner to be placed as follows:

The lower swell packer was placed at the Fruitland formation/Kirtland shale interface from 2688'—2675' MD.

The upper swell packer was placed right below the T-lock swivel on the Baker hook hanger from 2603'-2622' MD, roughly 10-15 feet outside the milled window.

*Per NMOCD requirements, a Noise Log will be run in the sidetrack to determine if there is a seal behind the swell packers.

*A minimum of 10 days must be given for the swell packers to expand and seal the wellbore. The NMOCD will be contacted 20 hours in advance of running the Noise Log in the San Juan 32-5 Unit #108S.

"As Drilled"

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 July 16, 2010
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26906		² Pool Code 7-1629		³ Pool Name Basin-Fruitland-Coal	
⁴ Property Code 21996		⁵ Property Name San Juan 32-5 Unit			⁶ Well Number 108 S
⁷ OGRID No. 162928		⁸ Operator Name Energen Resources Corporation			⁹ Elevation 6132'

¹⁰ Surface Location

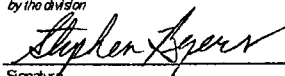
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	27	32N	6W		700'	South	1360'	East	Rio Arriba

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		2520'	South	2503'	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.

16 2683 56' 2681 58' 5348 64' 2663 10' 2845 26' 27 BHL 2503' 2520' 878' 1452' 1360' 700' SHL Entry Point Producing Interval: From the bottom external casing packer set at 2687' MD @ 739' FSL, 1366' FEL to the BHL @ 2520' FSL, 2503' FEL.	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  5-3-11 Signature Date Stephen Byers Printed Name sbyers@energen.com E-mail Address 5274 72' 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 December 5, 2001 Date of Survey Signature and Seal of Professional Surveyor Jason C Edwards Certificate Number 15269
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Energen Resources

Rio Arriba County
Eul Canyon (True North)
San Juan 32-5 Unit #108S ST

OH

Design: OH

Standard Survey Report

25 April, 2011



A Schlumberger Company

Company: Energen Resources
 Project: Rio Arriba County
 Site: Eul Canyon (True North)
 Well: San Juan 32-5 Unit #108S ST
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well San Juan 32-5 Unit #108S ST
 TVD Reference: WELL @ 6147 00usft (Original Well Elev)
 MD Reference: WELL @ 6147 00usft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000 1 Single User Db

Project	Rio Arriba County	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	Eul Canyon (True North)				
Site Position:		Northing:	2,171,070 210 usft	Latitude:	36° 57' 38 340 N
From:	Map	Easting:	1,298,517 200 usft	Longitude:	107° 25' 12 900 W
Position Uncertainty:	0 00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0 70 °

Well	San Juan 32-5 Unit #108S ST					
Well Position	+N/-S	0 00 usft	Northing:	2,165,891.008 usft	Latitude:	36° 56' 46.392 N
	+E/-W	0 00 usft	Easting:	1,292,438 665 usft	Longitude:	107° 26' 26 988 W
Position Uncertainty	0 00 usft		Wellhead Elevation:	usft	Ground Level:	6,132.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	4/13/2011	9 81	63 70	50,915

Design	OH				
Audit Notes:					
Version:	1 0	Phase:	ACTUAL	Tie On Depth:	0 00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0 00	0 00	0 00	19 06	

Survey Program	Date	4/25/2011			
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
200 00	2,400 00	GYRO (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s	
2,579 60	4,854 00	MWD (OH)	MWD	MWD - Standard	

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
200 00	0 51	69 60	200 00	0 31	0 83	0 57	0 26	0 26	0 00
400 00	0 83	69 97	399 98	1 12	3 03	2 04	0 16	0 16	0 19
600 00	0 91	47 36	599 96	2 69	5 56	4 36	0 17	0 04	-11 31
800 00	0 54	35 61	799 94	4 53	7 28	6 66	0 20	-0 19	-5 88
1,000 00	0 48	354 74	999 94	6 13	7 75	8 33	0 18	-0 03	-20 44
1,200 00	0 49	340 67	1,199.93	7 77	7 39	9 76	0 06	0 01	-7 04
1,400 00	0 65	3 89	1,399 92	9 71	7 18	11 52	0 14	0 08	11 61
1,600 00	0 73	13 04	1,599 91	12 08	7 55	13 89	0 07	0 04	4 58
1,800 00	0 57	354 03	1,799 89	14 31	7 73	16 05	0 13	-0 08	-9 51

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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
2,000 00	0 32	329.77	1,999 89	15 79	7 35	17 32	0 15	-0 13	-12 13
2,200 00	0 52	337 72	2,199 88	17 11	6 72	18 37	0 10	0 10	3 98
2,400 00	0 68	11 29	2,399 87	19 11	6 61	20 22	0 19	0 08	16 79
2,579 60	0 82	20 18	2,579 46	21 36	7 26	22 56	0 10	0 08	4 95
2,608 98	5 54	333 59	2,608 78	22 83	6 70	23 77	17 06	16 07	-158 58
2,625 77	10 11	321 27	2,625 42	24 71	5 42	25 12	28 84	27 22	-73 38
2,655 08	18 55	322 75	2,653 79	30 44	0 98	29 09	28 82	28 80	5 05
2,684 22	26 56	324 70	2,680 68	39 46	-5 60	35 47	27 60	27 49	6 69
2,714 45	33 59	327 74	2,706 82	52 06	-13 98	44 64	23 79	23 26	10 06
2,744 74	40 27	328 17	2,731 02	67 48	-23 63	56 07	22 07	22 05	1 42
2,775 51	46 17	328 71	2,753 43	85 43	-34 65	69 43	19 21	19 17	1 75
2,806 25	53 38	327 96	2,773 27	105 39	-46 97	84 27	23 53	23 45	-2 44
2,836 98	60 67	327 92	2,789 99	127 22	-60 64	100 44	23 72	23 72	-0 13
2,867 90	67 97	328 58	2,803 38	150 91	-75 29	118 04	23 69	23 61	2 13
2,898 00	75 53	327 64	2,812 80	175 16	-90 39	136 03	25 29	25 12	-3 12
2,902 00	76 06	327 48	2,813 78	178 43	-92 47	138 45	13 81	13 25	-4 00
Top of Coal @2902.00'MD, 2813.78'TVD, 76.06°INC, 327.48°AZI, 138.45°VS									
2,929 00	79 67	326 42	2,819 45	200 55	-106 86	154 65	13 91	13 37	-3 93
2,960 00	82 22	327 03	2,824 33	226 14	-123 66	173 36	8 45	8 23	1 97
2,990 00	85 38	326 94	2,827 57	251 15	-139 90	191 69	10 54	10 53	-0 30
3,021 00	89 34	326 87	2,829 00	277 09	-156 81	210 68	12 78	12 77	-0 23
3,051 00	91 71	326.30	2,828 72	302.12	-173 33	228 95	8 13	7 90	-1 90
3,082 00	93 65	325 00	2,827 28	327 69	-190 80	247 41	7 53	6 26	-4 19
3,112 00	92 68	325 11	2,825 62	352 24	-207 96	265 01	3 25	-3 23	0 37
3,143 00	91 54	325 45	2,824 48	377 70	-225 60	283 31	3 84	-3 68	1 10
3,174 00	91 10	326 79	2,823 76	403 43	-242 88	301 99	4 55	-1 42	4 32
3,205 00	90 40	327 72	2,823 36	429 50	-259 64	321 16	3 75	-2 26	3 00
3,234 00	90 48	328 25	2,823 14	454 09	-275 02	339 38	1 85	0 28	1 83
3,265 00	89 87	328.93	2,823 04	480 55	-291 17	359 11	2 95	-1 97	2 19
3,295 00	90 31	328 57	2,822 99	506 20	-306 74	378 26	1 90	1 47	-1 20
3,326 00	90 66	329 12	2,822 73	532 73	-322 77	398 10	2 10	1 13	1 77
3,356 00	90 84	330 00	2,822 34	558 59	-337 97	417 58	2 99	0 60	2 93
3,386 00	90 66	330 09	2,821 95	584 58	-352 95	437 25	0 67	-0 60	0 30
3,417 00	90 57	330 20	2,821 61	611 46	-368 38	457 62	0 46	-0 29	0 35
3,448 00	90 75	329 46	2,821 26	638 26	-383 96	477 87	2 46	0.58	-2 39
3,479 00	91 45	329 58	2,820 66	664 97	-399 68	497 98	2.29	2 26	0 39
3,509 00	90 04	329 21	2,820.27	690 79	-414 95	517 39	4 86	-4 70	-1 23
3,539 00	90 13	330 55	2,820 23	716 74	-430 01	537 00	4 48	0 30	4 47
3,569 00	89.16	330 84	2,820 41	742 90	-444 69	556 93	3 37	-3 23	0 97
3,600 00	89 87	331 69	2,820 67	770 08	-459 59	577 75	3 57	2 29	2 74
3,631 00	91 36	330 58	2,820 34	797 23	-474 55	598 52	5 99	4 81	-3 58
3,662 00	91 01	331 19	2,819 70	824 30	-489 63	619 19	2 27	-1 13	1 97
3,693 00	91 63	330 40	2,818 99	851 35	-504 76	639 82	3 24	2 00	-2 55

Company: Energen Resources
 Project: Rio Arriba County
 Site: Eul Canyon (True North)
 Well: San Juan 32-5 Unit #108S ST
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well San Juan 32-5 Unit #108S ST
 TVD Reference: WELL @ 6147 00usft (Original Well Elev)
 MD Reference: WELL @ 6147 00usft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,723 00	90 75	330 70	2,818 36	877 47	-519 50	659 69	3 10	-2 93	1 00
3,753 00	90 57	330 47	2,818 02	903 60	-534 24	679 58	0 97	-0 60	-0 77
3,784 00	91 63	330 09	2,817 42	930 52	-549 60	700 00	3 63	3 42	-1 23
3,815 00	91 89	329 02	2,816 47	957 23	-565 30	720 12	3 55	0 84	-3 45
3,845 00	91 80	328 45	2,815 50	982 86	-580 86	739 26	1 92	-0 30	-1 90
3,876 00	91 89	326 61	2,814 51	1,009 00	-597 50	758 54	5 94	0 29	-5 94
3,907 00	91 19	324 60	2,813 67	1,034 57	-615 00	776 99	6 86	-2 26	-6 48
3,938 00	91 80	323 99	2,812 86	1,059 73	-633 09	794 86	2 78	1 97	-1 97
3,968 00	90 92	323 18	2,812 15	1,083 87	-650 89	811 86	3 99	-2 93	-2 70
3,999 00	89 78	323 83	2,811 96	1,108 79	-669 33	829 39	4 23	-3 68	2 10
4,029 00	89 78	324 16	2,812 08	1,133 06	-686 96	846 57	1 10	0 00	1 10
4,061 00	89 78	324 75	2,812 20	1,159 10	-705 57	865 11	1 84	0 00	1 84
4,093 00	90 22	323 90	2,812 20	1,185 09	-724 23	883 58	2 99	1 38	-2 66
4,125 00	90 04	325 32	2,812 13	1,211 18	-742 76	902 18	4 47	-0 56	4 44
4,157 00	90 66	325 58	2,811 93	1,237 53	-760 91	921 17	2 10	1 94	0 81
4,189 00	90 13	325 71	2,811 71	1,263 95	-778 96	940 24	1 71	-1 66	0 41
4,220 00	90 13	326 88	2,811 64	1,289 74	-796 17	958 99	3 77	0 00	3 77
4,252 00	90 04	327 51	2,811 59	1,316 63	-813 50	978 75	1 99	-0 28	1 97
4,284 00	90 31	327 91	2,811 50	1,343 69	-830 60	998 74	1 51	0 84	1 25
4,316 00	91 54	327 95	2,810 98	1,370 80	-847 59	1,018 82	3 85	3 84	0 13
4,347 00	91 63	326 39	2,810 12	1,396 84	-864 39	1,037 94	5 04	0 29	-5 03
4,379 00	90 22	326 56	2,809 61	1,423 51	-882 06	1,057 38	4 44	-4 41	0 53
4,410 00	90 22	326 81	2,809 49	1,449 41	-899 08	1,076 30	0 81	0 00	0 81
4,442 00	90 13	327 64	2,809 39	1,476 32	-916 41	1,096 08	2 61	-0 28	2 59
4,474 00	90 22	327 78	2,809 29	1,503 37	-933 50	1,116 06	0 52	0 28	0 44
4,505 00	89 87	327 69	2,809 27	1,529 58	-950 05	1,135 43	1 17	-1 13	-0 29
4,536 00	88 20	326 75	2,809 79	1,555 64	-966 83	1,154 58	6 18	-5 39	-3 03
4,568 00	88 11	325 96	2,810 82	1,582 27	-984 55	1,173 96	2 48	-0 28	-2 47
4,600 00	87 41	326 31	2,812 07	1,608 82	-1,002 37	1,193 24	2 45	-2 19	1 09
4,632 00	86 53	326 37	2,813 76	1,635 42	-1,020 08	1,212 59	2 76	-2 75	0 19
4,663 00	86 53	326 52	2,815 64	1,661 20	-1,037 18	1,231 38	0 48	0 00	0 48
4,695 00	86 70	326 65	2,817 53	1,687 87	-1,054 77	1,250 83	0 67	0 53	0 41
4,727 00	87 23	326 44	2,819 22	1,714 53	-1,072 39	1,270 28	1 78	1 66	-0 66
4,758 00	88 55	326 75	2,820 36	1,740 39	-1,089 45	1,289 15	4 37	4 26	1 00
4,798 00	89 16	326 06	2,821 16	1,773 70	-1,111 57	1,313 41	2 30	1 53	-1 73
4,854 00	89 16	326 06	2,821 98	1,820 15	-1,142 84	1,347 11	0 00	0 00	0 00

Projection to Bit @4854.00'MD, 2821.98'TVD, 89.16°INC, 326.06°AZI, 1347.11'VS

Company: Energen Resources
Project: Rio Arriba County
Site: Eul Canyon (True North)
Well: San Juan 32-5 Unit #108S ST
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well San Juan 32-5 Unit #108S ST
TVD Reference: WELL @ 6147 00usft (Original Well Elev)
MD Reference: WELL @ 6147 00usft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000 1 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,902 00	2,813 78	178 43	-92 47	Top of Coal @2902 00'MD, 2813 78'TVD, 76 06°INC, 327 48°AZI, 138
4,854 00	2,821 98	1,820 15	-1,142 84	Projection to Bit @4854 00'MD, 2821.98'TVD, 89 16°INC, 326 06°AZI,

Checked By: _____ Approved By: _____ Date: _____

WELL DETAILS: San Juan 32-5 Unit #108S ST

Ground Elevation: 6132.00
 RKB Elevation: WELL @ 6147.00usft (Original Well Elev)
 Rig Name: Original Well Elev

EOW

+N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 2165891.007 1292438.665 36° 56' 46.392 N 107° 26' 26.988 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	IFace	VSec	Target
1	2600.15	0.84	20.99	2600.00	21.65	7.37	0.00	0.00	14.50	
2	2777.75	44.99	327.66	2759.70	78.81	-27.52	25.05	-54.01	81.46	
3	2955.50	90.00	327.65	2826.00	214.00	-113.14	25.32	-0.01	241.48	
	4865.49	90.00	327.65	2826.00	1827.55	-1135.15	0.00	0.00	2151.40	

