

District I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

District II
841 S. First St., Artesia, NM 88210

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

District III
1000 Rio Brazos Rd., Aztec, NM 87410

AMENDED REPORT

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Energen Resources Corporation 3510 N. "A" St. Bldgs. A&B Midland, TX 79705		² OGRID Number 162928
		³ Reason for Filing Code/ Effective Date RC 10/14/15
⁴ API Number 30 - 025-31767	⁵ Pool Name Townsend; Permo Upper Penn RECEIVED	⁶ Pool Code 59847
⁷ Property Code	⁸ Property Name Hamilton Federal (Former well name WLSU #2R)	⁹ Well Number: 2

II. 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	33	15S	35E	NMP	330	South	725	East	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	SAME								
¹² Lse Code	¹³ Producing Method Code P	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
214984	Plains Marketing, L.P.	OIL
7802	Feagan Gathering Co.	GAS

IV. Well Completion Data *Recompletion: Former well name WLSU #2R*

²¹ Spud Date 9/9/15	²² Ready Date 10/14/15	²³ TD 11,872	²⁴ PBTB CIBP 10,805	²⁵ Perforations 10,298-10,594	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2	13-3/8, 54.5#	417	440, C		
11	8-5/8, 32#	4610	1425, C		
7 7/8	5-1/2, 17#	11,872	2000, H		
	2 7/8	10,670			

V. Well Test Data

³¹ Date New Oil 10/14/15	³² Gas Delivery Date	³³ Test Date 9/23/15	³⁴ Test Length 24 hr	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 77	³⁹ Water 99	⁴⁰ Gas 0	Gravity 37.1	⁴¹ Test Method

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Brenda Rathjen*

Printed name: Brenda F. Rathjen

Title: Regulatory Analyst

E-mail Address: Brenda.rathjen@energen.com

Date: 12/01/2015

Phone: 432-688-3323

OIL CONSERVATION DIVISION	
Approved by:	<i>[Signature]</i>
Title:	Petroleum Engineer
Approval Date:	03/14/2016

E-PERM KSA

MAR 14 2016

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

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.
NMNM 04411

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

7. If Unit of CA/Agreement, Name and/or No.
(former name WLSU #2R)

2. Name of Operator
Energen Resources Corporation

8. Well Name and No.
Hamilton Federal #2 **HOBBS OCC**

3a. Address 3510 N. "A" St. Bldgs. A&B
Midland, TX 79705

3b. Phone No. (include area code)
(432) 687-1155

9. API Well No.
30-025-31767

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FSL, 725' FEL, Sec 33, T-15-S, R-35-E, NMP

10. Field and Pool or Exploratory Area
Townsend; Permo Upper Penn **DEC 04 2015**

11. Country or Parish, State
Lea County **RECEIVED**

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <i>Recomplete</i>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

WLSU #02 Recompleted/Renamed to Hamilton Federal #2 in Wolfcamp (Townsend;Permo Upper Penn)

Recompletion:

- 9/09/15 - MI RU, rack tubing.
- 9/10/15 - PU RIH w/bit, scraper and tubing.
- 9/11-12/2015 - Test casing and CIBP to 1.0M#. Spot acid and perf 10,298-10,594', total of 138 holes, .40"EHD/38.9"PD, 3 JSPF @ 1200. RIH w/5-1/2" 10M# Plugwell Quick-drill CIPB & set @10,805'. RIH with 5-1/2" treating packer to 10,146'.
- 9/14/15 - RBIH w/new packer. Set & tested tools to 2500#. Tagged CIBP @ 10,805'. Attempted to acidize but packer was bad.
- 9/16/15 - RBIH w/new 5-1/2" pkr. Set pkr @10,603'. Spot 150 gal 15% HCL/DI across lower perms 10,542-10,594. Pull 2-7/8" tubing up to 10,456, set pkr @ 10,450. PPI acidize lower Wolf w/3,300 gal 15% HCL/DI acid & 10 ball sealers. Pull tbg up to 10,227 and set pkr at 10,221'. Acidize w/3,300 gal 15% HCL/DI & 30 ball sealers. Flushed acid and opened well to TT.
- 9/17 - 9/28/15 - Unloading well to test tank.
- 9/23/15 - Well test 9/23/15 - 77 BO/O Gas/99 BW.
- 9/29/15 - POOH w tubing and BHA. PU & start RIH w/2-7/8" 6.5# L-80 tubing.
- 9/30/15 - Finish RIH w/ 2-7/8" 6.5# L-80 tubing, EOT 10670', and Quinn 25x125xHXBC x26x5x4 rod pump.
- 10/1/15 - RDMOPU. Turned well over to Production Group to set pump unit. Cleaned location.
- 10/14/15 - Set pumping unit. Well turned to production.

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

Brenda F. Rathjen *brathjen@energen.com*

Title *Regulatory Analyst*

432-688-3323

Signature

Brenda F Rathjen

Date

12/01/2015

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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, make 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

DEC 04 2015

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM 04411

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resvr.,
 Other: Recompletion (previous well name WLSU #2R)

RECEIVED

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
Energen Resources Corporation

8. Lease Name and Well No.
Hamilton Federal #2

3. Address 3510 N. "A" St. Bldgs. A&B
Midland, TX 79705

3a. Phone No. (include area code)
432-687-1151

9. API Well No.
30-025-31767

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

10. Field and Pool or Exploratory (recomplete)
Townsend; Permo Upper Penn

At surface P-SE/SE, 330 FSL, 725 FEL
Sec 33, T-15-S, 35E, NMP

11. Sec., T., R., M., on Block and
Survey or Area
Sec 33, T-15-S, 35E, NMP

At top prod. interval reported below

12. County or Parish
Lea County

13. State
NM

At total depth

14. Date Spudded 09/09/2015
 15. Date T.D. Reached 10/01/2015
 16. Date Completed 10/14/2015
 D & A Ready to Prod.
 17. Elevations (DF, RKB, RT, GL)*
3970.5 GL

18. Total Depth: MD 11,872 TVD 11,872
 19. Plug Back T.D.: MD 10,805 TVD 10,805
 20. Depth Bridge Plug Set: MD 10,805 TVD 10,805

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
none

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 Directional Survey? No Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	54.5	0	417		440, C		circ	
11	8 5/8	32	0	4610		1425, C		circ	
7 7/8	5 1/2	17	0	11,872		2000, H		circ	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8	10,670							

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wolfcamp			10,298-10,594	.40"	138	open
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
10,298-10,594	Acidize 6,600 gal 15% HCl/DI and 40 ball sealers

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	9/23/15	24	→	77	0	99	37.1		pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Brenda F. Rathjen Title Regulatory Analyst brathjen@energen.com 432-688-3323
 Signature *Brenda F. Rathjen* Date 12/01/2015

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.