

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CD-1000RS

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.  
NM-04411 (Fee)  
6. If Indian, Allottee or Tribe Name  
N/A

**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 3b. Phone No. (include area code)  
3300 N. A St., Bldg. 4, Ste. 100 Midland, TX 79705 (432) 684-3692  
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660' FSL & 1200' FWL  
Section 24, T15S, R-35-E  
3

7. If Unit or CA/Agreement, Name and/or No.  
NM 91055X  
8. Well Name and No.  
West Lovington 9R /  
Strawn Unit  
9. API Well No.  
30-025-32812 10151  
10. Field and Pool, or Exploratory Area  
Lovington Strawn, West  
11. County or Parish, State  
Lea County NM /

**12. CHECK 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"/> 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 type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other Sidetrack
	<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 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.)

See attached NMOCD approved C-103S

RECEIVED

FEB 23 2009

HOBBSDO

ACCEPTED FOR RECORD

FEB 22 2009

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Tracie J Cherry

Title Regulatory Analyst

Signature

Date 02-02-09

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title PETROLEUM ENGINEER

Date FEB 26 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

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
1301 W. Grand Ave., Artesia, NM 88203  
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 and Natural Resources

Form C-103  
May 27, 2004

RECEIVED  
OIL CONSERVATION DIVISION  
South St. Francis Dr.  
Santa Fe, NM 87505

FEB 23 2009

HOBBS

WELL API NO. 30-025-32812
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 27820
7. Lease Name or Unit Agreement Name: West Lovington Strawn Unit
8. Well Number 9 R
9. OGRID Number 162928
10. Pool name or Wildcat Lovington, Strawn, West

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3968' GR

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type FW Depth to Groundwater 55 Distance from nearest fresh water well >1000' Distance from nearest surface water >1000'

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

8/29 - 8/31/06 - Reached the TD of 11,865' in the 7-7/8" hole @ 10:00 a.m. 8/29/06. Logger's TD was 11,872'. Ran Platform Express & RDWL 8/30/06 Ran 270 jts. of 5-1/2" HCL-80 17# LT&C R-3 casing totaling 11,871', set @ 11,865'. Pumped 120 BKCL, 20 bbls of CW-100 chemical wash & 20 additional BFW ahead as a pre-flush. Cemented w/1,000 sacks of 35/65 Poz "H" cmt. 2.26 yield. Tailed w/500 sacks of 50/50 Poz "H" cmt. yield of 1.31. Total slurry was 2915 cu. ft. Plug was down w/3000-3500# @ 9:30 am., 8/31/06. Circulated 184 sacks of cmt to the reserve. Released Big Dog Rig #1 @ 10:00 p.m., 8/31/06, turned well to Completion Group.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☒ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Carolyn Larson TITLE Regulatory Analyst DATE 9/8/06  
Type or print name Carolyn Larson E-mail address: clarson@energen.com  
Telephone No. 505-684-3693

For State Use Only

APPROVED BY Chris Williams TITLE DISTRICT SUPERVISOR/GENERAL MANAGER DATE SEP 14 2006  
Conditions of Approval, if any:

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87401  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Minerals and Natural Resources

Form C-103  
May 27, 2004

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FEB 23 2006

HOBBSOCD

Oil CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-025-32812
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 27820
7. Lease Name or Unit Agreement Name: West Lovington Strawn Unit ✓
8. Well Number 9 R ✓
9. OGRID Number 162928
10. Pool name or Wildcat Lovington, Strawn, West
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3968' GR
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/> Pit type FW Depth to Groundwater 55 Distance from nearest fresh water well >1000' Distance from nearest surface water >1000' Pit Liner Thickness: 12 mil Below-Grade Tank: Volume bbls; Construction Material

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator Energen Resources Corporation
3. Address of Operator 3300 N. "A" St., Bldg 4, Ste. 100, Midland, TX 79705
4. Well Location Unit Letter M : 660 feet from the South line and 1201 feet from the West line Section 34 Township 15S Range 35E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3968' GR
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/> Pit type FW Depth to Groundwater 55 Distance from nearest fresh water well >1000' Distance from nearest surface water >1000' Pit Liner Thickness: 12 mil Below-Grade Tank: Volume bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

8/6/06 - MIRU Big Dog Rig #1. ND tubing head & NU the 13-5/8" stack on the "B" section wellhead. Tested BOP & choke manifold.  
8/8/06 - PU the BHA & DO. Tagged top of the Whipstock plug @5513'. Drilled hard cmt to 5550' & TOOH.  
PU the steerable BHA & TIH down to 5550'.  
8/9-8/18/06 - Time drilling ahead.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Carolyn Larson TITLE Regulatory Analyst DATE 8/18/06  
Type or print name Carolyn Larson E-mail address: clarson@energen.com  
Telephone No. 432 684-3693

For State Use Only

APPROVED BY Chris Williams TITLE OC DISTRICT SUPERVISOR/GENERAL MANAGER DATE SEP 14 2006  
Conditions of Approval, if any:

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
1301 W. Grand Ave., 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 and Natural Resources  
**RECEIVED**  
OIL CONSERVATION DIVISION  
FEB 23 2006  
1220 South St. Francis Dr.  
Santa Fe, NM 87505  
**HOBBSOCD**

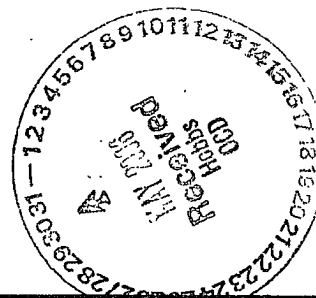
Form C-103  
May 27, 2004

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-32812
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Energen Resources Corporation		6. State Oil & Gas Lease No. 27820
3. Address of Operator 3300 N. "A" St., Bldg 4, Ste. 100, Midland, TX 79705		7. Lease Name or Unit Agreement Name: West Lovington Strawn Unit
4. Well Location Unit Letter <u>M</u> : <u>660</u> feet from the <u>South</u> line and <u>1201</u> feet from the <u>West</u> line Section <u>34</u> Township <u>15S</u> Range <u>35E</u> NMPM County <u>Lea</u>		8. Well Number <u>9 R</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3968' GR</u>		9. OGRID Number 162928
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/> Pit type <u>FW</u> Depth to Groundwater <u>55</u> Distance from nearest fresh water well <u>&gt;1000'</u> Distance from nearest surface water <u>&gt;1000'</u> Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		
10. Pool name or Wildcat Lovington, Strawn, West		

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: Prepare well for sidetrack <input checked="" type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See attached narrative.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Carolyn Larson TITLE Regulatory Analyst DATE 5-24-06

Type or print name Carolyn Larson

E-mail address: clarson@energen.com

Telephone No. 432 684-3693

**For State Use Only**

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE JUN 13 2006

Conditions of Approval, if any:

Energen Resources Corporation  
**West Lovington Strawn Unit #9**  
30-025-32812  
660' FSL and 1200' FWL  
Sec 34, T-15-S, R-35-E  
Lea Co., NM

**5/9-5/24/06** – Rig up service unit. Pumped 100 bbls brine water down 5-1/2" csg. NU line to flowback pit.

Opened 8-5/8" X 5-1/2" annulus and well started flowing to pit. Pumped 260 bbls 10# brine water down 5-1/2" csg. RIH w/2 jts 1-1/3" tbg w/mule shoe on btm w/cross-overs back to 2-7/8" 8RD tbg. RIH w/2-7/8" tbg. Tag up w/btm of tbg at 5745'. Worked btm of tbg to 5834'. This puts cross-overs at 5770'. Unable to get deeper.

RIH w/4-1/2" impression block on 4 jts of 2-7/8" tbg. Tagged up & POOH. RIH w/1 jt. 1-1/2" tbg. Tag w/2-3/8" cross over at 5770'. RIH w/open-ended tubing, tagged btm @ 11,229'. RIH w/tubing to 11,220'. Run Scientific gyro-survey from surface to 11,190'. Took gyro shots every 100'.

RIH w/5 stds tbg. Spot 10 ppg mud-laden fluid from 11,229-8200'. POOH/LD up to 8205'. Displace hole w/10# brine. Spot 50 sacks class "H" cement mixed at 15.6 ppg, 1.18 yield plug from 8205-7780'. Pull above the plug, spot 10 ppg mud-laden fluid up to 5000' from surface & POOH. Close well in.

ND wellhead. Layed down 135 jts 5-1/2" csg totaling 5757'. ND BOP and adaptor pool. RIH w/open-ended tubing to 5770' Rig up Schlumberger and displaced hole w/10# BW. Batch mix and spot a 150 sack whipstock plug consisting of Class "H" cement plug w/0.75% D65, 0.2% D167 & 0.2% D46 mixed at 17.00 ppg w/yield of 1.00. Calculated TOC in 7-7/8" hole @ 5327'. POOH w/40 stds of 2-7/8" tbg. WOC

RIH w/open ended tubing and tagged **whipstock cmt plug at 5510'**. Set 6 pts on plug. Have 260' whipstock plug. ND BOP & cap the tubing head w/flange & ball valve.

**ENERGEN RESOURCES CORP**  
**WLSU #9**

GL Elevation: 3968'  
 KB Elevation: 3983.5' -- 15.5' above GL  
 Location: 660' FSL X 1200' FWL  
 Sec 34-15S-35E

LEA COUNTY, NM

API : 30-025-32812

**Conductor:**  
 None

**Surface Casing:**  
 13-3/8" 48#, Ltd. SVS @ 405'  
 Cemented to surface  
 with 440 sx Class "C" w/2% CaCl2  
 Circulated 42 sx

**Intermediate Casing:**  
 8-5/8" 32#, S-80 ST&C & J-55 ST&C  
 @ 4723'  
 700 sx total  
 (L) 500 sx Class "C" lite  
 (T) 200 sx Class "C" w/2% CaCl2  
 TOC: 2500'

Kick-off point at ~5600'  
 Cement Whipstock Plug from 5510' to 5770'  
 Top of original 5-1/2" csg @ 5757

Casing Part at 5749'

Cement Plug from 7780 to 8205

Original TOC at 9220'

Cement cap from ~11205 to 11430  
 Sand plug from 11430 to 11710  
 Strawn Perfs: 11,512-11,524' (4 spf, 48 holes) (10/2005)  
 Strawn Perfs: 11,532-11,538' (4 spf, 24 holes) (10/2005)  
 Strawn Perfs: 11,538-11,550' (2 spf, 25 holes)  
 CIBP @ 11,710' (2 sx cmt on top of plug)

Strawn Perfs: 11,732-11,746' (2 spf, 30 holes)

**Original Production Casing:**  
 5-1/2" 17# & 20# ,L-80 & N-80 @ 11,834'  
 Preflushed w/ 1000 gals WMW-1 mud,  
 and cmted w/ 545 sx Class "H" w/  
 50/50 Poz containing 5% CF-14,  
 .5% CF-2 and 5# /sx salt Displaced  
 w/ 268 BW.  
 TOC: 9220'

PBD: 11,770'

Sidetracked Well  
 5/24/2006

