

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED  
OMB NO. 1004-0137  
Expires March 31, 2007

## 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

## 1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

## 2. Name of Operator

Energen Resources Corporation

## 3a. Address

3300 N. A St., Bldg. 4, Ste. 100, Midland, TX 79705

## 3b. Phone No. (include area code)

(432) 684-3693

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

330' FSL & 2145' FEL  
Section 33, T-15-S, R-35-E

## 5. Lease, Serial No.

NM 04411

## 6. If Indian, Allottee or Tribe Name

## 7. If Unit or CA/Agreement, Name and/or No.

Nm 91055x

## 8. Well Name and No.

West Lovington #2  
Strawn Unit

## 9. API Well No.

30-025-31767

## 10. Field and Pool, or Exploratory Area

Lovington Strawn, West

## 11. County or Parish, State

Lea 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 Sidetrack

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 procedure.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Carolyn Larson

Title

Regulatory Analyst

Date 10-3-06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Chris Williams

Title

Office

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.

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.

APPROVED

Date

OCT 19 2006

WESLEY W. INGRAM  
PETROLEUM ENGINEER

**West Lovington Strawn Unit #2  
Energen Resources Corporation  
Conditions of Approval**

For future procedures: The Bureau of Land Management (BLM) is to be notified at the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 234-5972 or (505) 361-2822 - for wells in Eddy County and the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612 for wells in Lea County, 24 hours prior to start of work for a representative to witness the plug back.

Step 20 – Whipstock plug to be witnessed by PET.

# **ENERGEN RESOURCES CORPORATION**

## **West Lovington Strawn Unit Well #2**

330' FSL and 725' FWL

Sec 33, T-15-S, R-35-E

Lea Co, NM

West Lovington Field

### **Sidetrack Procedure**

1. MIRU Pulling Unit & POOH/LD the rods & pump.
2. NU a 3M# manual BOP w/ 2 7/8" & 5 1/2" pipe rams, release the packer & POOH.
3. RU Gray WL under a pack-off, set a 5 1/2" 10M# CIBP @ 11500' & RDWL.
4. RIH w/ a 2 7/8" API SN & 2 7/8" tubing down to the CIBP @ 11,500'.
5. RU WL & Scientific & run a Gyro-survey from surface to PBTD, taking shots every 100' & RDWL.
6. RU Schlumberger, mix & spot a 25 sack Class "H" cement plug atop of the CIBP @ 11,500'.
7. Pull up to the top of the cement plug & spot 9.0 ppg mud-laden fluid (plugging mud) up to 8,500'.
8. POOH/LD up to 8,500' & spot a 50 sack Class "H" cement plug from 8,500' back up to 8,100'.
9. Pull up above the plug, spot 9.0# MLF up to 5,000' FS, POOH/LD the tubing up to 5600' then finish POOH standing the remaining tubing.
10. Check the 5 1/2" x 8 5/8" annulus for pressure, blow down as necessary then load w/ 10# brine.
11. String the rig up on 6-lines.
12. RU Rotary or Gray WL, RIH w/ a 5 1/2" jet cutter, cut the casing @ 5500' FS, POOH & RDWL.
13. ND the BOP & tubing head, spear the 5-1/2" casing, PU on the string & work the hanger/slips out.
14. Once the slips are out, work the string as necessary within the Rig's limitations to determine if the casing is free.
15. If the casing is free, strip the tubing head & BOP back on, RU a Bull Rogers casing crew & POOH tallying the 5 1/2" casing to determine the top of casing stub.
16. If the casing is not free, RUWL & run a freepoint to determine where the next cut should be made.
17. If the casing is free at least 100' below Intermediate casing shoe, RIH w/ a 5 1/2" jet cutter, cut the casing 10-20' above the free point, POOH & RDWL.
18. Strip the tubing head & BOP back on, RU a Bull Rogers casing crew & POOH laying down the 5 1/2" casing.
19. RIH w/ a 2 7/8" API SN & the 2 7/8" tubing a minimum of 100' inside the 5 1/2" casing stub.
20. RU Schlumberger, batch-mix & spot a 150 sack Whipstock plug consisting of Class "H" cement plug w/ 0.75% D65, 0.2% D167 & 0.2% D46 mixed @ 17.00 ppg w/ a yield of 1.00 (pump-time w/ the batch-mixing should be 3-3 1/2 hours).

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### **Sidetrack Procedure Continued**

21. POOH LD the tubing keeping the hole full while coming out to keep the Whipstock plug in place, ND the BOP & cap the tubing head w/ a B-1 adapter flange & ball valve.
22. RD the pulling unit & clear the location of all equipment so that the location can be readied for rotary tools.
23. MIRU Rotary Tools & NU a 13 5/8" 5M# BOP on the "B" Section Spool.
24. Test the BOP & choke manifold to their rated pressure then to 200# on the low side.
25. Dress-off the Whipstock plug that was spotted in Step #20.
26. Kick-off of the plug w/ a 1.5° BHA, build the angle to 4° & maintain this angle until displaced a minimum of 150' from the original wellbore in a Southwesterly direction.
27. Continue on & drill the 7 7/8" hole to a TVD of approximately 11,900', run 5 1/2" casing & cement back up inside the 8 5/8" casing.
28. RD & MORT.
29. Complete & Produce the new sidetracked wellbore from the Strawn formation.