

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**HOBBS OCD**  
OCD Hobbs  
MAR 22 2017  
**RECEIVED**

5. Lease Serial No.  
LC 030139b

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
Langlie Lynn Queen Unit ✓

8. Well Name and No.  
13 ✓

9. API Well No.  
30-025-20335

10. Field and Pool, or Exploratory Area  
Langlie Mattix 7 RVRS/Queen/GB

11. County or Parish, State  
Lea NM

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  
3510 N A St Bldgs A & B, Midland, TX 79705

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660 FNL & 1980 FWL ✓  
C, Sec 26, T 23S, R 36E NMPM

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)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans <input checked="" type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abr
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

INT TO PA *PMX*  
P&A NR \_\_\_\_\_  
P&A R \_\_\_\_\_

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 recomple 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 recomple 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 submits a change of plans from Temporay Abandon to PLUG AND ABANDON.

See attached procedure to PLUG and ABANDON well LLQU #13.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

*Thankyou*

**FOR RECORD ONLY**  
MW/OLD 03/23/2017

*Below ground abandonment marker required*

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed) Brenda F. Rathjen 432-688-3323 Title Regulatory Analyst brathjen@energen.com

Signature *Brenda Rathjen* Date 03/13/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *OH Wells* Title *Eng* Date *3/15/17*

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 *OFO*

**ENERGEN RESOURCES CORPORATION**  
Langlie Lynn Queen Unit #13, API # 30-025-20335

600' FNL, 1980' FWL  
Sec. 26, T-23-S, R-36-E  
Lea County, NM

The LLQU #13 was completed 4/29/63 as a 7Rivers-Queen producer. The well is no longer economic to produce, and needs to be plugged and abandoned.

For scope changes during work, stop and discuss with engineering before proceeding

API:	30-025-20335	KB:	3386'	PBTD:
Spud Date:	4/15/1963	GLE:	3376'	TD: 3700'

**Plug and Abandon Procedure**

**SAFETY CONSIDERATIONS**

Observe all Energen Guidelines for PPE and H2S Safety  
Observe perforation and contractor safety guidelines  
Wireline and explosives on location while perforating  
Workstring should be in good condition and tested to 5000 psi.  
BOP should be in good working condition and tested  
Rig anchors will need to be tested prior to MIRU  
Keep a TIW valve open and on the rig floor at all times  
Notify the NM OCD 24 hours prior to starting P&A operations  
Notify the BLM 24 hours prior to starting P&A operations  
Meet with engineer, superintendents, and consultant prior to beginning the job,  
to assure that everyone is agreement with the procedure.

- 1 MIRU Well Service Unit.
- 2 Bleed well down.
- 3 NDWH
- 4 Unset pump. POOH w/ rods and pump.
- 5 NU adapter flange and BOP for 4-1/2" csg and 2-3/8" tubing. Test to 500 psi above working pressure.
- 6 POOH and LD production string.
- 7 Use production tubing as workstring or:
- 8 Unload and rack 3600' 2-3/8" workstring. Maintain kill truck w/10 ppg brine on location.
- 9 RIH, set CIBP @3396', and ~~dump bail 35' cmt or~~ 25 sx cmt through tubing.
- 10 Tag cmt above CIBP.
- 11 RIH w/ workstring and circulate hole to 10 ppg mud and pressure test to 500 psi
- 12 Perf and squeeze 40 sxs Class "C" cement at 2750' (Yates), WOC and tag. *2825-2695*
- 13 Perf and squeeze 75 sxs Class "C" cement at 1200' (top salt), WOC and tag. *1350-1240*
- 14 Perf and squeeze cmt from 368' to surface (shoe)
- 15 ND BOP. Top off well with cement. Verify cement to surface all strings.
- 16 RD and clean location.
- 17 Cut off all casing strings at base of cellar or 3' below restored ground level.
- 18 Cover wellbore with metal plate welded in place or with cement cap.
- 19 Erect capped abandonment marker inscribed with well information.
- 20 Cut off dead man anchors and fill in cellar. RDMO.
- 21 Clean and restore location to natural condition and fulfill any and all regulatory requirements.

# ENERGEN RESOURCES, INC.

## Langlie Lynn Unit #13

Lea County, NM

Current Conditions: 3/7/17  
Pumping-Shut In

updated: 3/7/17

Conductor:  
None

Surface Casing:  
7-5/8" 24# Smls, ST&C  
@ 318' in 11" hole  
Cemented to surface  
W/200 sx 50/50 Pozmix

GL Elevation: 3376'  
KB Elevation: 3386'  
Location: 660' FNL, 1980' FWL,  
Sec 26, T-23-S, R-36-E

API # 30-025-20335

Intermediate Casing:  
None

'TOC: 2500' by TS

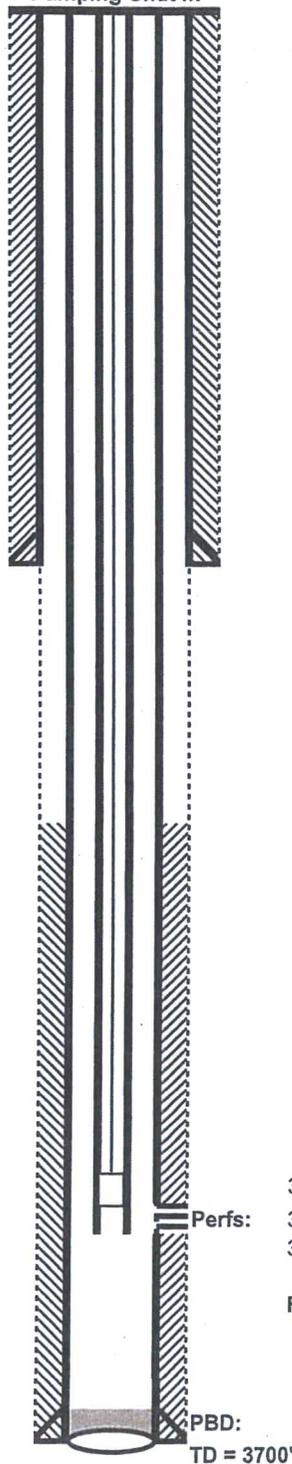
Tubing:  
2-3/8"x4' BPPN  
2-3/8" API SN  
1 2-3/8 4.7# J-55 EUE 8rd (TK-99) pump joint  
153jts of 2-3/8" 4.7# J-55 tbg  
EOT @ 3584'  
SN @ 3578'  
No TAC

Rod and Pump Detail:  
20-150-HXBC-16-4-SV  
pump # ER-520  
1 1-1/2" "K" bar  
73 5/8" "D" rods  
68 3/4" "D" rods  
1 3/4" x 4' pony rods  
1 3/4" x 2' pony rods  
1-1/4" x 22' spraymetal polish rod  
No liner

Production Casing:  
4 1/2" 9.50# J-55 ST&C  
@ 3700' in 6-3/4" hole  
250 sx "C" Neat

3446-3454, 3466-3472, 3496-3504, 88 total holes  
Perfs: 3518-20, 38-40, 50-52, 62-64, 71-73, 79-81, 85-87, 97-99  
3612-14, 16-18, 36-38 (2 JSPF)

Frac: 25,000 gal lease oil + 31,500# sand (5/63)



PBD:  
TD = 3700'

# ENERGEN RESOURCES, INC.

## Langlie Lynn Unit #13

Lea County, NM

Conductor:  
None

Surface Casing:  
7-5/8" 24# Smls, ST&C  
@ 318' in 11" hole  
Cemented to surface  
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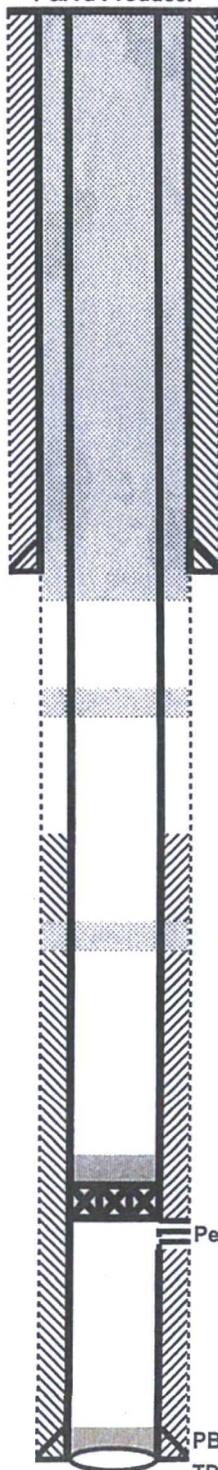
Production Casing:  
4 1/2" 9.50# J-55 ST&C  
@ 3700' in 6-3/4" hole  
250 sx "C" Neat

Proposed Conditions:  
P&A'd Producer

updated: 3/7/17

GL Elevation: 3376'  
KB Elevation: 3386'  
Location: 660' FNL, 1980' FWL,  
Sec 26, T-23-S, R-36-E

API # 30-025-20335



Perf and sqz 368' to surface  
(shoe)

P,S,T 75 sx 1200', (top salt)

'TOC: 2500' by TS

Perf, Sqz, Tag 40 sx 2750', (Yates)

CIBP @ 3396' w/ ~~35' cement balled~~ or 25 sx through tbg

3446-3454, 3466-3472, 3496-3504, 88 total holes

Perfs: 3518-20, 38-40, 50-52, 62-64, 71-73, 79-81, 85-87, 97-99  
3612-14, 16-18, 36-38 (2 JSPF)

Frac: 25,000 gal lease oil + 31,500# sand (5/63)

PBD:  
TD = 3700'

RSLR 1202  
TOS 1295  
RDS 2762  
YTS 2898

**BUREAU OF LAND MANAGEMENT**  
**Carlsbad Field Office**  
**620 East Greene Street**  
**Carlsbad, New Mexico 88220**  
**575-234-5972**

**Permanent Abandonment of Federal Wells**  
**Conditions of Approval (LPC Habitat)**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon.

**If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.**

**The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off.** Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

**Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:**

From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted