Form 3160-5 (August 2007)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

### SUNDRY NOTICES AND REPORTS ON WELLS

HOBBS OCD

5. Lease Serial No.

WMLC 0.30139B

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals P ( 3 2)13

6. If Indian, Allottee or Tribe Name

	<u> </u>		O LOIJ		
SUBMIT IN TRIPLICATE - Other instructions on page 2  RECEIVED				7. If Unit or CA/Agreement, Name and/or No Langlie Lynn Queen Unit	
1. Type of Well  X Oil Well Gas Well Other  2. Name of Operator Energen Resources Corporation  3a. Address 3300 N A St Bldq 4 Ste 100, Midland  4. Location of Well (Footage, Sec., T., R., M., or Survey 660 FNL & 1980 FEL Sec 26, T 23S, R 36E		3b. Phone No. (include ar 432-818-1732	ea code)	Langlie 1	No.
12. CHECK APPROPRIAT	E BOX(ES) TO IN	DICATE NATURE OF N	OTICE, REPO		
TYPE OF SUBMISSION		TY	PE OF ACTION		
Notice of Intent  Subsequent Report  Final Abandonment Notice	Acidize  Alter Casing  Casing Repair  Change Plans  Convert to Injecti	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Reclamati	ily Abandon	Water Shut-Off Well Integrity Other
<ol> <li>Describe Proposed or Completed Operation (clearl If the proposal is to deepen directionally or recomp</li> </ol>	y state all pertinent deta plete horizontally, give s	ils, including estimated starti ubsurface locations and mea	ng date of any pr	oposed work as	nd approximate duration thereof. all pertinent markers and zones.

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 shall 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 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

RECLAMATION PROCEDURE
ATTACHED

SEE ATTACHED FOR CONDITIONS OF APPROVAL

ATTACHED	TANDING OF MITHOURAL
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)	Tido
Signature Signature	Title Regulatory Analyst  Date 7/31/13
THIS SPACE FOR FEDER	AL OR STATE OFFICE USE
Approved by James a. Amos	Title 5605 Date 8-26-13 N
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify the applicant holds legal of equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office OFO
Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212 makes it a crime for any person in fictitious or fraudulent statements of representations as to any matter within its jurisdiction.	nowingly and willfully to make to any department or agency of the United States any false,
	SEP 0 4 20 13

Submit 3 Copies To Appropriate District State of New Mexico	Form C-103			
Office Energy, Minerals and Natural Resources District I	June 19, 2008			
1/05 N. Franck Dr. Habba NM 97240	WELL API NO.			
District II 1301 W. Grand Ave., Artesia, NM 88210  HOBBS DCONSERVATION DIVISION 1220 South St. Francis Dr.	30-025-20191			
District III 12 50 Douth St. 11 and St.	5. Indicate Type of Lease			
1000 Rio Brazos Rd., Aztec, NM 87410 SEP 0 3 2013 Santa Fe, NM 87505 District IV	STATE 🗷 FEE 🗌			
1220 S. St. Francis Dr., Santa Fe, NM	6. State Oil & Gas Lease No.			
SUNDRY NOTIGES 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.)	7. Lease Name or Unit Agreement Name:  Langlie Lynn Queen Unit			
1. Type of Well: Oil Well Gas Well Other www	8. Well Number 14			
2. Name of Operator	9. OGRID Number			
Energen Resources Corporation	10 70 1			
3. Address of Operator	10. Pool name or Wildcat			
3300 N. "A" St., Bldq 4, Ste. 100, Midland, TX 79705 4. Well Location	Langlie Mattix 7 RVRS/Queen/GB			
Unit Letter B: 660 feet from the North line and	1980 feet from the East line			
Section 26 Township 23s Range 36E	NMPM County Lea			
11. Elevation (Show whether DR, RKB, RT, GR, etc.				
12. Check Appropriate Box to Indicate Nature of Notice, R	Report, or Other Data			
	topoly of Galor Bala			
NOTICE OF INTENTION TO: SUBS	SEQUENT DEPORT OF			
	SEQUENT REPORT OF:			
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	☐ ALTERING CASING ☐			
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLIN	NG OPNS. P AND A			
PULL OR ALTER CASING  MULTIPLE COMPL  CASING/CEMENT JO	рв 🗀			
DOWNHOLE COMMINGLE				
	·			
OTHER:	·			
	montinent data in lading a simulation and			
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach or recompletion.	wellbore diagram of proposed completion			
See attached procedure				
Spud Date: Rig Release Date:				
I hereby certify that the information above is true and complete to the best of my knowledge	and belief.			
STORY IN THE STORY IS NOT THE STORY IS N	- 33			
SIGNATURE TITLE Regulatory				
Type or print name <u>Jenifer Sorley</u> E-mail address:				
For State Use Only				
APPROVED BYTITLE	DATE			
Conditions of Approval (if any):	DAIL			

## ENERGEN RESOURCES, INC.

Langlie Lynn Unit #14 (formerly Lynn B-1 No. 9) Lea County, NM

Conductor: None

Surface Casing: 7-5/8" 24# Smls, ST&C @ 302' in 11" hole Cemented to surface W/200 sx "A" 4% gel, 2% CaCl2

Intermediate Casing: None

Production Casing: 4 1/2" 9.50# J-55 ST&C @ 3720' in 6-3/4" hole 250 sx "C" + 4% gel, salt saturated GL Elevation: 3364'
Current Conditions: 7/05/2006 DF Elevation: 3374'
Active-WIW Location: 660' FNL, 1980' FEL,

Sec 26, T-23-S, R-36-E

updated: 7/05/2006

Tubing Detail (Last Av.

#Jts	O.D.	Thread	TAC/Depth	Weight
107	2-3/8"	EUE rd		4.7

Casing Leak 703' & 989' -- Repaired (03/00)

Circulating holes shot at 703' and cmt was circulated to surface with:

TOC: 2600' by TS

Perfs: 3408-16, 3424-28, 3454-62 (90 degree phased JSPF 80 holes

Possible hole @ 3455' 80% water inj @ 3451-71' (3/90)

Perfs: 3474, 80, 95

3515, 19, 27, 35, 50-52, 58-60, 69-71, 84-86'

CIBP @ 3605'

Perfs: 3620-22, 34-36, 53-55'

Frac: 40,000 gal lease oil + 60,000# sand PBD: 3607'

TD = 3720'

## ENERGEN RESOURCES, INC.

Active-WIW

Langlie Lynn Unit #14 (formerly Lynn B-1 No. 9) Lea County, NM

Conductor:

Surface Casing: 7-5/8" 24# Smls, ST&C @ 302' in 11" hole Cemented to surface W/200 sx "A" 4% gel, 2% CaCl2

Intermediate Casing: None

Production Casing: 4 1/2" 9.50# J-55 ST&C @ 3720' in 6-3/4" hole 250 sx "C" + 4% gel, salt saturated GL Elevation: 3364'
DF Elevation: 3374'

Location: 660' FNL, 1980' FEL,

Sec 26, T-23-S, R-36-E

**Spud:** 08/04/1963 **API No:** 30-025-20191 updated: 7/05/2006 Completed: 08/11/1963

			Tubing Detail (Last Av.			
#Jts	O.D.	Thread	TAC/Depth	Weight		
107	2-3/8"	EUE rd		4.7		
-						

Packer Detail (Last Av:
| Packer Type|
| 2-3/8" x 4-1/2" NP/IPC Loc-

Casing Leak 703' & 989' - Repaired (03/00)

Perf @ 352'

Casing Leak 703' & 989' -- Repaired (03/00)
Circulating holes shot at 703' and cmt was circulated to surface with 2

TOC: 2600' by TS

CIBP @ 3350' w/25 sacks cement on top of CIBP

Perfs: 3408-16, 3424-28, 3454-62 (90 degree phased JSPF 80 hole:

Possible hole @ 3455' 80% water inj @ 3451-71' (3/90)

erfs: 3474, 80, 95

3515, 19, 27, 35, 50-52, 58-60, 69-71, 84-86'

CIBP @ 3605'

Perfs: 3620-22, 34-36, 53-55'

Frac: 40,000 gal lease oil + 60,000# sand

PBD: 3607' TD = 3720'

## ENERGEN RESOURCES, INC.

Langlie Lynn Unit #14 (formerly Lynn B-1 No. 9)

Lea County, NM API No: 30-025-20191 GL Elevation: 3364'
DF Elevation: 3374'

Location: 660' FNL, 1980' FEL,

Sec 26, T-23-S, R-36-E **Spud:** 08/04/1963

Completed: 08/11/1963

### **Proposed Plugging Procedure**

1 Set CIBP @ 3600' Tag CIBA @ 3605'

5/10/12 Dump 25 sxs cmt on top of CIBP woc Tag

3 Perforate casing @ 352'

4 Spot 30 sxs cement from 352' to surface.

5 Cut off all casing strings at base of cellar or 3' below restored ground level.

6 Cover Wellbore with metal plate welded in place or with cement cap

7 Erect capped abandonment marker inscribed with well information

8 Out off deadman anchors and fill in the cellar.

9 Clean and restore location to natural condition and fulfill any and all regulatory requirements.

Set CIBP @ 3350', Spot 25 Sx ent on top of CIBP

Spot plug from 2943'-2813'(T//ates). WOC Tog. Can combine the 2 plugs.

Pert 4/2" Casing @ 1339, squeeze cut to 1239 was Tag. (Top Salt).

Perf 4/2" casing @ 352', squeeze ent to sait

,		ENERGE			RPORATION		ate Recvd	Date Out
Date Received:		.	PERMIAN BASIN			Brian H. 5/24/2013		
		EXP	ENDITURE		SHEET	Paul C.		
Date Response	e Due: ASAP	.	(INTERNAL	USE ONLY)		Sam J. Kevin M.		
Acquisition:	BC	Expense		1# A**		Joe N.		
·		Category	Expense Type		Well Classification	Teresa C Richard M.		
File #		Budget Item □	Capital 🗆		Exploratory   -	Blane M.		
		Non-Budget ☑	LOE 🗹		Development	Mike A.		
				Lease #:	LLQU	Jennifer S. Ron T.		
						David G.		
		Budget Year _	2013	Contract #:		Paul R David M.		
WELL NAME:	LLQU #14		OPERATOR: E	nergen Resou	rces	T	0-025-2019	<del></del>
LOCATION:	Sec 26, T23S, R36	E	COUNTY/STAT			D.P.#:	2 020 2010	<u></u>
	(SECTION, TOW		W.I.: 100.00%			N.R.I. : 80.83%		
HORIZON:	7 Rivers-Queen		ACTIVITY: P	lug and Aband	lon	AFE#: P	B052513	
INTRODUC					inglie Lynn Queen Unit	<del></del>		
	MENTS:							
		on the LLQU #14 ba	sed on suspected	casing deterio	pration detected by a fai	led casing integ	rity test. Th	e well was
drilled in 1963 a njecting 200-30 Concur with rec	nd has a history of cas 0 BWPD before recen ommendation- <b>KKM</b>	sing leaks. The curre			by the LLQU #14 will no			
CONOMICS	/ RECOMMENDA	ATION:						
P		GROSS RESERVE	s			NET RESER	VES	
R.R		GROSS CAPITAL I	EXPENDITURES			INCREMENT	TAL L.O.E.	
.R.O.I		NET CAPITAL EXP	ENDITURES			FINDING CO	ST	
\PPROVE[	)			DISAPPI	ROVED			
NERGEN	AUTHORIZATIO	ON ·						

÷ ,

### 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

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 <u>ninety (90)</u> 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. <u>Notification:</u> 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. <u>Blowout Preventers</u>: 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. <u>Mud Requirement:</u> 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. <u>Cement Requirement</u>: 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. Dry Hole Marker: 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.

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

- 7. <u>Subsequent Plugging Reporting:</u> 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. <u>Trash</u>: 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 procedure.

J. Amos 3/6/11



## **United States Department of the Interior**

### **BUREAU OF LAND MANAGEMENT**

Carlsbad Field Office 620 E. Greene St. Carlsbad, New Mexico 88220-6292 www.blm.gov/nm



In Reply Refer To: 1310

#### **Reclamation Objectives and Procedures**

**Reclamation Objective:** Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its predisturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, redistribute the native soils, provide erosion control as needed, rip and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

- The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of
  Operations must include adequate measures for stabilization and reclamation of disturbed lands.
  Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD
  process as per Onshore Oil and Gas Order No. 1.
- 2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
- 3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
- 4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation

equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

- 5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
- 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
- 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

### **Inspection & Enforcement**

Jim Amos Supervisory Environmental Protection Specialist 575-234-5909, 575-361-2648 (Cell)

Mike Burton Environmental Protection Specialist 575-234-2226

Jeffery Robertson Natural Resource Specialist 575-234-2230

Jennifer Van Curen Environmental Protection Specialist 575-234-5905

Doug Hoag Civil Engineering Technician 575-234-5979

Linda Denniston Environmental Protection Specialist 575-234-5974

Solomon Hughes Natural Resource Specialist 575-234-5951

### Permitting

Cody Layton Natural Resource Specialist 575-234-5959

Trishia Bad Bear Natural Resource Specialist 575-393-3612

Todd Suter Surface Protection Specialist 575-234-5987

Tanner Nygren Natural Resource Specialist 575-234-5975

Amanda Lynch Natural Resource Specialist 575-234-5922

Legion Brumley Environmental Protection Specialist 575-234-5957

### Realty, Compliance

Randy Pair Environmental Protection Specialist 575-234-6240