

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit or CA/Agreement, Name and/or No. Stuart Langlie Mattix
2. Name of Operator Energen Resources Corporation		8. Well Name and No. 109
3a. Address 3300 N. A St., Bldg. 4, Ste. 100, Midland, TX 79705	3b. Phone No. (include area code) (432) 687-1155	9. API Well No. 30-025-11535
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FNL and 1980' FWL Section 11, T25S, R37E		10. Field and Pool, or Exploratory Area Langlie Mattix 7 RVRS Queen Grayburg
		11. County or Parish, State Lea NM

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/Resume)	<input type="checkbox"/> Water Shut-Off
<input 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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.)

1. MIRU pulling unit.
2. Install BOPE
3. RU wireline. RIH w/dump bailer. Dump bail 35' cement on top of CIBP @ 3200'.
4. RIH w/2-7/8" tubing. Circulate hole w/9#/gal. plugging mud from PBTD to surface.
5. PUH to 1200' and spot cement plug from 1200' to 1100'. PUH.
6. Tag top of cmt plug at 1100'.
7. PUH to 495'. Spot cement plug from 495' to 395'. PUH.
8. Tag top of cement plug at 395'.
9. PUH to 70'. Spot cement plug from 70' to surface.
10. Cut off wellhead 3' from surface and weld on P&A marker.
11. RD pulling unit.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

APPROVED

JAN 19 2006

APPROVED FOR 10 MONTH PERIOD

11-18-06

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Carolyn Larson	Title Regulatory Analyst
<i>Carolyn Larson</i>	Date 1-4-06

THIS 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, 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.

GW

# ENERGEN RESOURCES

## Stuart Langlie Mattix Unit #109

Lea County, NM

GL Elevation: 3131

KB Elevation: 3139'

Location: 660' FNL X 1650' FWL

Sec 11, T-25-S, R-37-E

Spud: Nov 1939 Completed: Nov, 1939

API No: 30-025-11535

Current Conditions: 1/03/2006

TA Producer

### Conductor:

None

### Surface Casing:

9-5/8" @ 445'

Cemented w/250 sx

Cement circulated

445'

### Production Casing:

7" 32#, @ 3328'

Cemented w/500 sx

Cement circulated

3328'

Casing leak 721' to 1100' Squeezed w/350 sx class C (9/97)

Casing leak 962-1026' Squeezed w/200 sx class C (2/01)

CIPB set at 3200'

Queen perforations: 3297-99, 3238-52, 3258-66,  
3270-82, 3290-3302, 3308-12

CIBP set at 3320'

Open hole from 3328-3390'

### Production Liner:

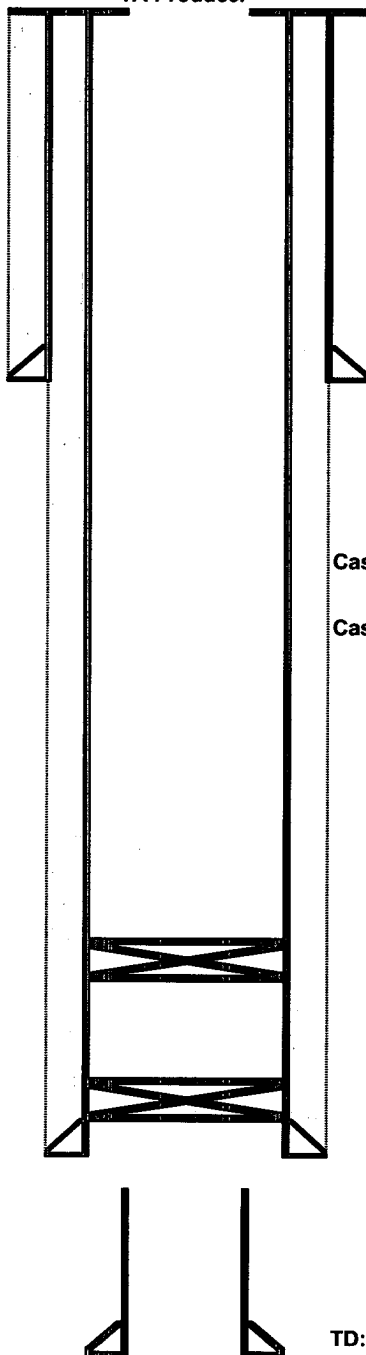
5-1/2" 14.9# FJ, from 3390-3450'

Liner slotted from 3390-3450'

Uncemented

3450'

TD: 3450



# ENERGEN RESOURCES

## Stuart Langlie Mattix Unit #109

Lea County, NM

Proposed P&A: 1/03/2006

### Conductor:

None

### Surface Casing:

9-5/8" @ 445'

Cemented w/250 sx

Cement circulated

### Production Casing:

7" 32#, @ 3328'

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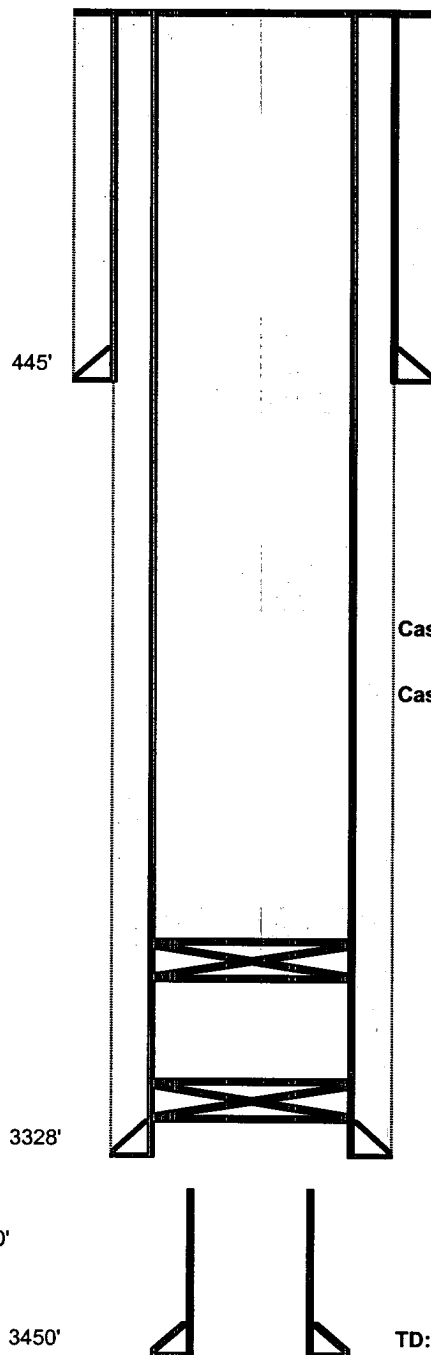
KB Elevation: 3139'

Location: 660' FNL X 1650' FWL

Sec 11, T-25-S, R-37-E

Spud: Nov 1939 Completed: Nov, 1939

API No: 30-025-11535



Cement plug from Surface to 70'

Cement plug from 395' to 495'

Cement plug from 1100' to 1200'

Casing leak 721' to 1100' Squeezed w/350 sx class C (9/97)

Casing leak 962-1026' Squeezed w/200 sx class C (2/01)

35' of cement cap

CIPB set at 3200'

Queen perforations: 3297-99, 3238-52, 3258-66, 3270-82,  
3290-3302, 3308-12

CIPB set at 3320'

Open hole from 3328-3390'

TD: 3450

BUREAU OF LAND MANAGEMENT  
Roswell Field Office  
2909 West Second Street  
Roswell, New Mexico 88201  
(505) 627-0272

**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 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.
  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 (505) 627-0272, in Eddy County call (505) ~~361-2822~~; for wells in Lea County call (505) 393-3612. **234-5972**
  3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9090 feet; a 3M system for a well not deeper than 13636 feet; and a 5M system for a well not deeper than 22727 feet.
  4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at a rate of 25 sacks (50 pounds each) of gel per 100 barrels of 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 not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 50 feet of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.
- Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" for up to 7500 feet of depth, mixed at 14.8 lbs./gal with 6.3 gallons of fresh water per sack or class "H" for deeper than 7500 feet plugs, mixed at 16.4 lbs./gal with 4.3 gallons of fresh water per sack.
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 well bore shall then be capped with a 4-inch pipe, 10 feet in length, 4 feet above the ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).
  7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five 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.

Following the submittal and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval shall be developed and furnished to you.