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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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		5. Lease Serial No. <b>NM-105557</b>
2. Name of Operator <b>Latigo Petroleum, Inc.</b>		6. If Indian, Allottee or Tribe Name
3a. Address <b>P.O. Box 10340 Midland TX 79702-7340</b>		7. If Unit or CA/Agreement, Name and/or No
3b. Phone No. (include area code) <b>(432)685-8229</b>		8. Well Name and No. <b>Goodnight "27" Federal #1</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>660' FSL &amp; 1980' FWL, Sec 27, T23S, R29E</b>		9. API Well No. <b>30-015-22157</b>
		10. Field and Pool, or Exploratory Area <b>Laguna Salado; Bone Spring South</b>
		11. County or Parish, State <b>Eddy NM</b>

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 <u>Special stipulations for completion report</u>
	<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 recomplate 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 site is ready for final inspection.)

Please find the attached following three reports to complete the special stipulations for the completion report.

- Component Analysis
- Sulfur in Crude Oil
- ASTM Distillation

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

Name (Printed/Typed) <b>Lisa Hunt</b>	Title <b>Regulatory Analyst</b>
Signature <i>Lisa Hunt</i>	Date <b>08/28/2007</b>

**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, make 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

(Instructions on page 2)

Accepted for record - NMOCD

*8/28/07*



# Laboratory Services, Inc.

2609 West Marland  
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pogo Producing Company  
Attention: Richard Wright  
P O. Box 10340  
Midland, Texas 79702

SAMPLE: Meter Run  
IDENTIFICATION Goodnight 27 Fed. #1  
COMPANY: Pogo Producing Co.  
LEASE:  
PLANT:

SAMPLE DATA: DATE SAMPLED 8/4/07 10:45 am  
ANALYSIS DATE: 8/6/07  
PRESSURE – PSIG 90  
SAMPLE TEMP. °F  
ATMOS. TEMP. °F 81

REMARKS: H2S = 0

GAS (XX) LIQUID ( )  
SAMPLED BY: Will McDaniel  
ANALYSIS BY: Vickie Sullivan

## COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)	0.000	
Nitrogen (N2)	2.148	
Carbon Dioxide (CO2)	2.700	
Methane (C1)	74.585	
Ethane (C2)	11.193	2.986
Propane (C3)	5.950	1.636
I-Butane (IC4)	0.693	0.226
N-Butane (NC4)	1.649	0.519
I-Pentane (IC5)	0.336	0.123
N-Pentane (NC5)	0.355	0.128
Hexane Plus (C6+)	0.391	0.170
	<u>100.000</u>	<u>5.788</u>
BTU/CU.FT. – DRY	1224	MOLECULAR WT. 21.9644
AT 14.650 DRY	1220	
AT 14.650 WET	1199	
AT 14.73 DRY	1227	
AT 14.73 WET	1205	
SPECIFIC GRAVITY – CALCULATED	0.758	
MEASURED		



**Laboratory Services, Inc.**

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**SULFUR IN CRUDE OIL**

Pogo Producing Company  
Attention: Richard Wright  
P. O. Box 10340  
Midland, Texas 79702

Aug 6, 2007

	Total Sulfur	API Gravity @ 60° F	Specific Gravity @ 60° F
Goodnight 27 Fed. #1	0.0911 wt. %	45.5	0.7994

Thank You,  
Vickie Sullivan



**Laboratory Services, Inc.**

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**ASTM DISTILLATION**

Pogo Producing Company  
Attention: Richard Wright  
P. O. Box 10340  
Midland, Texas 79702

Sample Date: 8/4/07  
Sampled By: Will McDaniel

Goodnight 27 Fed. #1

Percent Distilled

Temperature

IBP	99
5	138
10	179
20	226
30	278
40	350
50	432
60	510
70	560
80	580
90	598
EP	604

% Recovered =	94.0
% Residue =	3.0
% Loss =	3.0

API Gravity @ 60° F = 45.5

Vicki McDaniel