



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC NM 87410  
(505) 334-6178 FAX: (505) 334-6170  
[http://emnr.state.nm.us/ocd/District III/3district.htm](http://emnr.state.nm.us/ocd/District%20III/3district.htm)

**BRADENHEAD TEST REPORT**

(submit 1 copy to above address)

Date of Test 8-28-06 Operator Emergentes API #30-0 45-06868

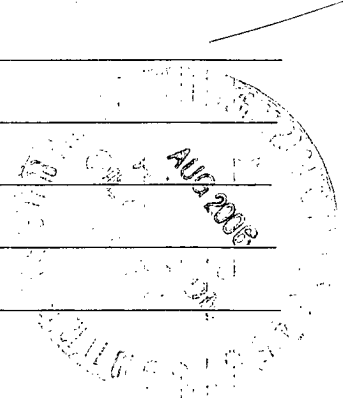
Property Name Luigo Well No. 1 Location: Unit F Section 1 Township 27 Range 13

Well Status (Shut-In or Producing) Initial PSI: Tubing 247 Intermediate N/A Casing 263 Bradenhead 81

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE				
	Bradenhead			INTERM	
	BH	Int	Csg	Int	Csg
5 min			264		
10 min			264		
15 min			264		
20 min			264		
25 min			264		
30 min			264		

	FLOW CHARACTERISTICS	
	BRADENHEAD	INTERMEDIATE
Steady Flow	<input checked="" type="checkbox"/>	
Surges	<input checked="" type="checkbox"/>	
Down to Nothing		
Nothing		
Gas		
Gas & Water	<input checked="" type="checkbox"/>	
Water		



**If bradenhead flowed water, check all of the descriptions that apply below:**

CLEAR  FRESH  SALTY  SULFUR  BLACK

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 36 INTERMEDIATE N/A

REMARKS: Blew head 1 minute. Softer for 35 then black water. dried to gray color Surged twice then gas rest of time.

By Vern Andrews  
CONTRACT FOREMAN  
(Position)

Witness Monica Tubling

E-mail address \_\_\_\_\_

Failure.



NEW MEXICO ENERGY, MINERALS and  
NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

*Underground Injection Control Program  
"Protecting Our Underground Sources of Drinking Water"*

30-Aug-06

**ENERGEN RESOURCES CORPORATION**

3300 N. A. ST BLDG. 4 STE. 100

MIDLAND TX 79701-

**NOTICE of Failed  
Mechanical Integrity**

Dear Operator:

The bradenhead test(s) reported on the following well or wells failed to meet mechanical integrity standards of the New Mexico Oil Conservation Division. The test detail section which follows indicates preliminary findings and/or probable causes of the failure. This determination is based on a test of your well or facility by you and/or an OCD Compliance Officer employed by the Oil Conservation Division. Additional testing during the repair operation may be necessary to properly identify the full nature of the well failure.

Please notify the proper district office of the Division at least 48 hours prior to the date and time that the well(s) will be retested so a Compliance Officer may witness the test.

**MECHANICAL INTEGRITY TEST DETAIL SECTION**

**NAVAJO D No.001**

**30-045-06868-00-00**

Active Gas (Producing)

F-1-27N-13W

**Test Date:** 8/30/2006

**Permitted Injection PSI:**

**Actual PSI:**

**Test Reason:** Annual IMIT

**Test Result:** F

**Repair Due:** 12/3/2006

**Test Type:** Bradenhead Test

**FAIL TYPE:** Communication Between **FAIL CAUSE:**

**Comments on MIT:** Retest witnessed by Monica Kuehlig bh showed 81 psi, 5 minute shut in was 36 psi.

In the event that a satisfactory response is not received to this letter of direction by the "Repair Due:" date shown above, enforcement action will occur. Such enforcement may include this office issuing a NOTICE OF VIOLATION with a penalty and/or applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well for your violation of OCD rules.

Sincerely,

*Henry Villanueva*

Aztec OCD District Office

Note: Bradenhead Tests are performed every 3 years. Information in Detail Section comes directly from field inspector data entries - not all blanks will contain data. "Failure Type" and "Failure Cause" and any Comments are not to be interpreted as a diagnosis of the condition of the wellbore. Additional testing should be conducted by the operator to accurately determine the nature of the actual failure. \* Significant Non-Compliance events are reported directly to the EPA, Region VI, Dallas, Texas.