

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0135
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.*5. Lease Serial No.
NMLC058481 ✓

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: INJECTION8. Well Name and No.
WLH G4S UNIT 033 ✓

2. Name of Operator

ENERVEST OPERATING LLC ✓

Contact: SHELLY DOESCHER

E-Mail: sdoescher@enervest.net

9. API Well No.

30-015-37019

3a. Address

1001 FANNIN ST., SUITE 800
HOUSTON, TX 77002

3b. Phone No. (include area code)

Ph: 505-320-5682

10. Field and Pool, or Exploratory
LOCO HILLS:QU-GB-SA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 11 T18S R29E Mer NMP 1980FSL 2380FWL ✓
32.760139 N Lat, 104.046249 W Lon

11. County or Parish, and State

EDDY COUNTY, NM

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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Well Test
	<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 site is ready for final inspection.)

10/10/2016: ND Well Head, NU BOP. Unset Packer. POOH with 80 JTS 2 3/8" IPC tubing, Arrowset Packer. SDFN.

10/11/2016: Set packer with 15 PTS. RU chart tester and PSI casing to 550#. Ran several charts that did not look good. SDFN

10/12/2016: RU vac truck and pump truck. Re-tested casing. Still bad chart. Unset PKR and POOH with tubing and PKR. Replaced Arrowset Packer with Bakier Ad-1 Packer. RIH with PKR., SN and 80 jts 2 3/8" IPC tubing. RD BOP and flanged up wellhead. Set packer. RU pump and truck and tested casing. Ran 2 perfect charts. Called OCD to confirm chart was good. OCD gave permission to RDMO. RD pump truck, RD vac truck. Cleaned location. RDMO. Resume Injection

Accepted for record
NMOCDF
12/15/16

See attached OAA

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

Electronic Submission #357877 verified by the BLM Well Information System
For ENERVEST OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH MCKINNEY on 11/15/2016 ()

Name (Printed/Typed) KYLE REED

Title PRODUCTION ENGINEER

Signature (Electronic Submission)

Date 11/14/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE**ACCEPTED FOR RECORD**

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.

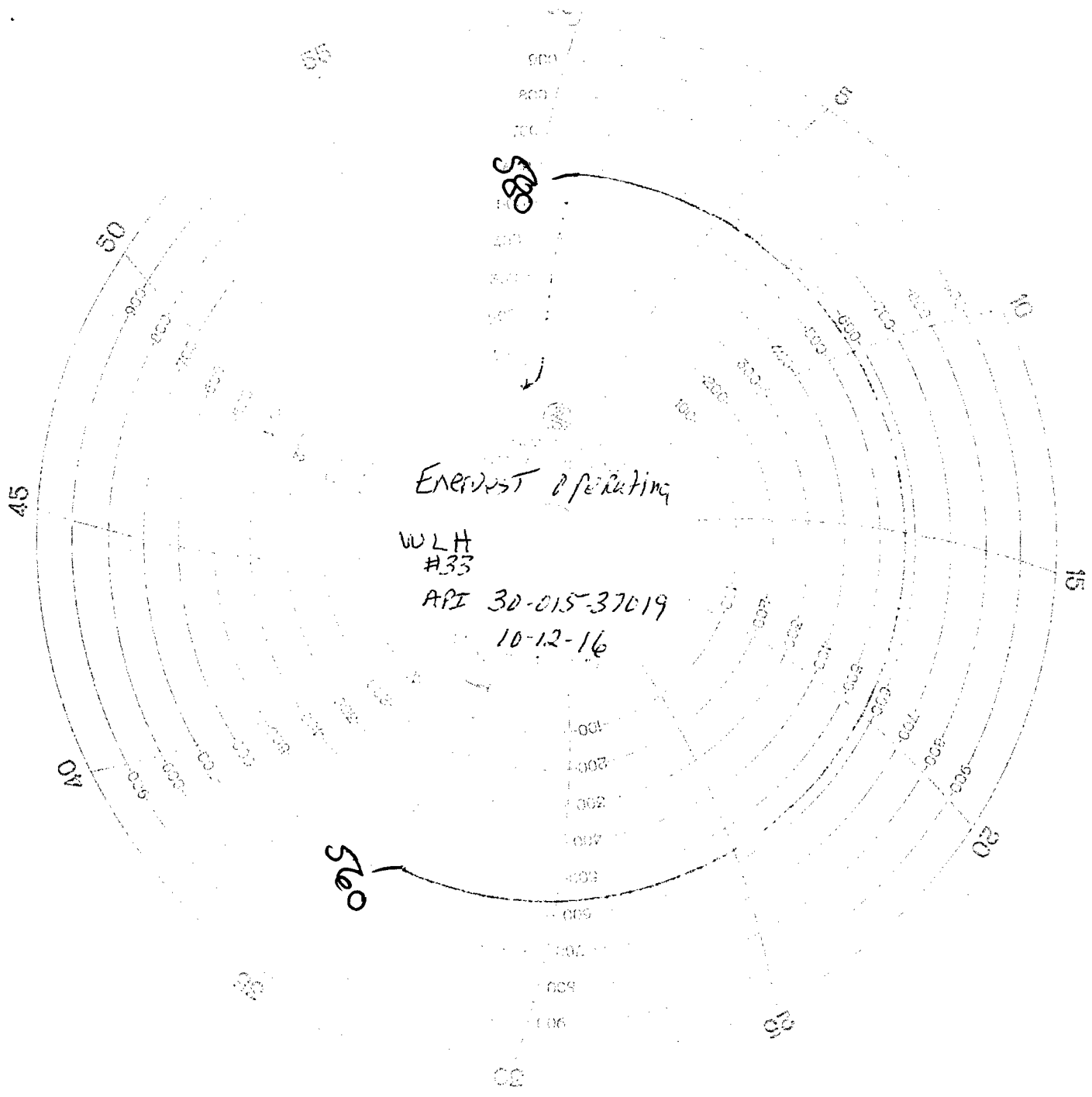
Office

NOV 29 2016

R. L. Swartz

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 any statement or representation as to any matter within its jurisdiction.

**BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE****** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****



ENERVEST Operating

WULH
#33

API 30-015-37019

10-12-16

520

525

Order of Authorized Officer

**Enervest Operating LLC
WLH G4S Unit - 33, API 3001537019
T18S-R29E, Sec 11, 1980FSL & 2380FL
November 29, 2016**

- 1. Provide BLM with an electronic copy (Adobe Acrobat Document) of the cement bond log record taken 01/28/2010. The CBL may be attached to a pswartz@blm.gov email.**

Well with a Packer - Operations

- 1) Conduct a Mechanical Integrity Test of the tubing/casing annulus after a tubing, packer or casing seal is established.
- 2) The minimum test pressure should be 500 psig for 30 minutes or 300 psig for 60 minutes, with a minimum 200 psig differential between tubing and casing pressure (at test time) but no more than 70% of casing burst pressure as described by Onshore Order 2.III.B.1.h. (The tubing or reservoir pressure may need to be reduced). **Verify all annular casing vents are plumbed to surface and those valves open to the surface during this pressure test.** An alternate method for a BLM approved MIT is to have the fluid filled system open to atmospheric pressure and have a loss of less than five barrels in 30 days witnessed by a BLM authorized officer.
- 3) Document the pressure test on a one hour full rotation calibrated (within 6 months) recorder chart registering within 35 to 75 per cent of its full range. Greater than 10% pressure leakoff will be viewed as a failed MIT. Less than 10% pressure leakoff will be evaluated site specifically and may restrict injection approval.
- 4) Make arrangements 24 hours before the test for BLM to witness. In Eddy County phone 575-361-2822. In Lea County phone 575-393-3612. If no answer, leave a voice mail or email with the API#, workover purpose, and a call back phone number.
- 5) The setting depths and descriptions of inside casing injection equipment is to be included in the subsequent sundry.
- 6) Compliance with a NMOCD Administrative Order is required.
 - a) Approved injection pressure compliance is required.
 - b) If injection pressure exceeds the approved pressure you are required to reduce that pressure and notify the BLM within 24 hours.
 - c) When injection pressure is within 50 psig of the maximum pressure, install automation equipment that will prevent exceeding that maximum. Submit a subsequent report (Sundry Form 3160-5) describing the installed automation equipment within 30 days.
- 7) Stimulation injection pressures are not to exceed BLM's permitted wellhead pressure or the well's frac pressure established by a BLM approved step rate test for Class II water injection wells.
- 8) Unexplained significant variations of rate or pressure to be reported within 5 days of notice.

- 9) The casing/tubing annulus is required to be monitored for communication with injection fluid or loss of casing integrity. A BLM inspector may request verification of a full annular fluid level at any time.
- 10) A “Best Management Practice” is to maintain the annulus full of packer fluid at atmospheric pressure. Equipment that will display on site, continuous open to the air fluid level is necessary to achieve this goal.
- 11) Loss of packer fluid above five barrels per month indicates a developing problem. Notify BLM Carlsbad Field Office, Petroleum Engineering within 5 days.
- 12) A suggested format for monthly records documenting that the casing annulus is fluid filled is available from the BLM Carlsbad Field Office.
- 13) Gain of annular fluid pressure requires notification within 24 hours. Cease injection and maintain a production casing pressure of 0 psia.
- 14) A NOI sundry shall be submitted to the BLM for the purpose of applying for increased disposal wellhead pressure prior to running a “Step Rate Test”. An injectivity test run to determine the disposal rate at 0.2 x the depth of the top perforation requires no sundry.
- 15) The subsequent report is to include all stimulation injection pressures. Report maximum/minimum injection rate (BPM) and max/min stimulation injection pressures (psig).
- 16) Submit a (BLM Form 3160-5 subsequent report (daily reports) via BLM’s Well Information System; <https://www.blm.gov/wispermits/wis/SP> describing (dated daily) all wellbore activity including the Mechanical Integrity Test chart document.

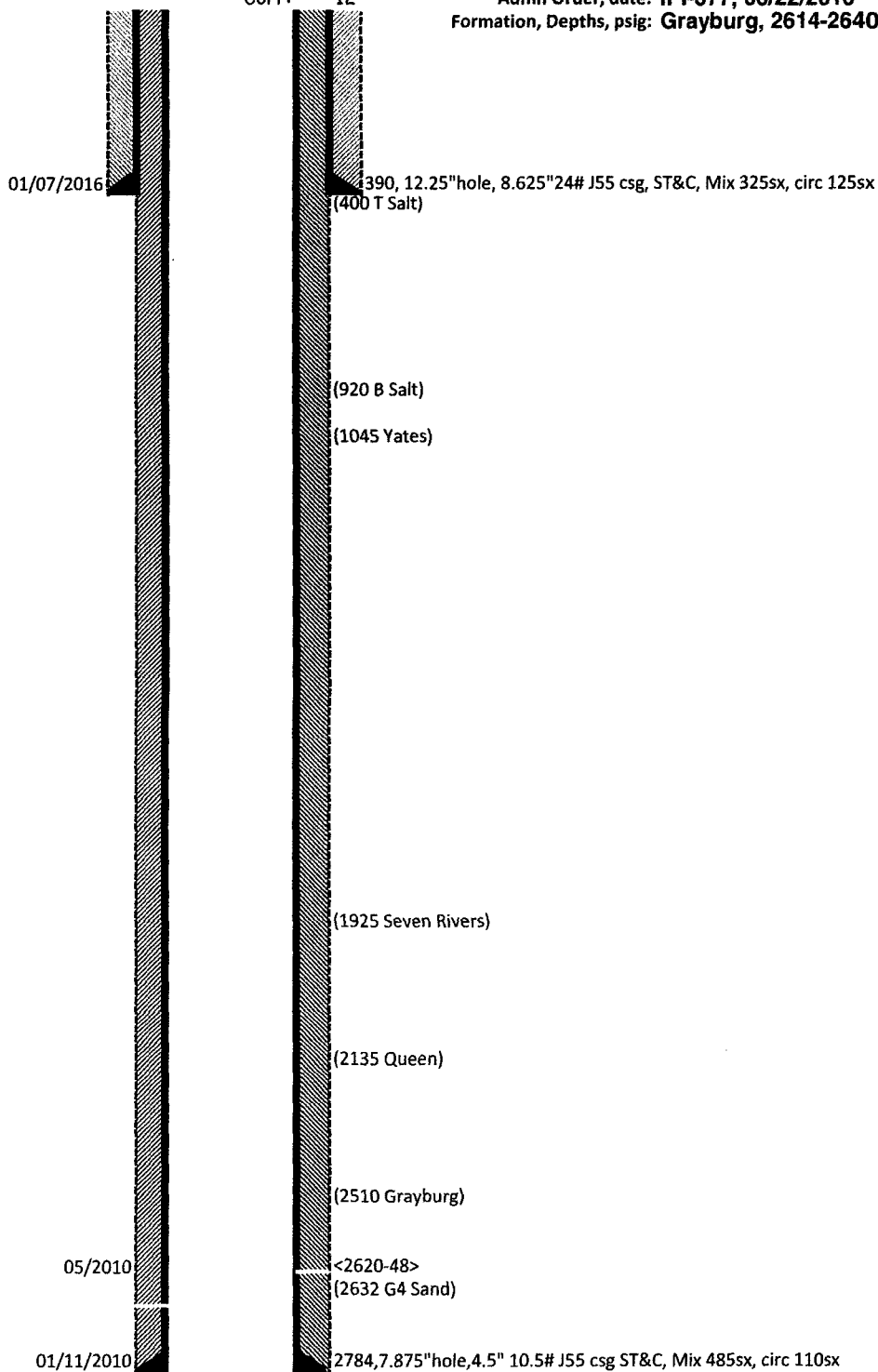
Operator: Enervest Opeerating LLC
Surface Lease: LC058481 BHL: LC058481
Case No: LC058481 Lease Agreement

Subsurface Concerns for Casing Designs:

Well Status: Inj
Spud date: 1/6/2010
Plug'd Date:
Reentry Date:

KB: 3526
GL: 3514
Corr: 12

Well: WLH G4S UNIT-33
API: 3001537019
@ Srfce: T18S-R29E,11.1980s2380w
@ M TD: T18S-R29E,11.1980s2380w
Estate: FIF
WDW, Rt of Way: 0
Admn Order, date: IPI-377, 06/22/2010
Formation, Depths, psig: Grayburg, 2614-2640, 1206psig



05/06/2010 MIT held 490-480psig 30m
05/23/2013 MIT held 520-540psig 30m
10/12/2016 MIT held 580-560psig 30m

Diagram last updated: 11/29/2016