

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No 1004-0137
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.
LC-050429B

6. If Indian, Allottee or Tribe Name

RECEIVED

JAN 26 2010

NMOCD ARTESIA

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
EnerVest Operating, L.L.C.

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

8. Well Name and No.
WLH G4S Unit #449. API Well No.
30-015-370273a. Address
1001 Fannin, Suite 800
Houston, Tx 77002-67073b. Phone No. (include area code)
713-465-151410. Field and Pool or Exploratory Area
Loco Hills;Qu-GB-SA4. Location of Well (Footage, Sec, T., R., M., or Survey Description)
660' FSL & 660' FWL
Sec. 12, T18S - R29E11. Country or Parish, State
Eddy County, NM

12. CHECK THE 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 checked="" type="checkbox"/> Other <u>Injection well</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>completion</u>
	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Enervest Operating, LLC permitted this well as a producer and is requesting approval to complete as an injector for the approved WLH Waterflood project, Order #R13128.

Accepted for record
NMOCD
RF 2/4/10

Proposed Injection Well completion procedure:

RU Wireline & run GR/CCL/CBL logs. RIH w/3-1/8" select-fire csg guns and perforate 2667'-2842' (6 SPF, 60 deg phasing, 0.5" EHD). Acidize using 5,000 gal 15% NEFE, scale inhibitor and ball sealers. Frac w/ approx. 18,000 gal of 25# cross-linked gel and 30,000# of 16/30 Brady. Leave well SI overnight. RU flowback equipment, install choke, open to flowback tank.

RIH with plastic-coated 2-3/8" 4.7# 8rd EUE J-55 tubing, 2-3/8" x 4-1/2" injection packer, 2-3/8" SN.
RIH w/injection assembly and set packer 50' above the top of the Grayburg #4 sand.
Perform step-rate injection tests.
Prepare well for injection.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)

Shirley Galik

Title Sr. Regulatory Tech

Signature

Date 12/15/2009

THIS SPACE FOR FEDERAL OR STATE OFFICIAL USE

Approved by

Title

Office

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.

APPROVED

JAN 22 2010

/s/ Dustin Winkler

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 false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

**Conversion to Injection of Federal Wells
Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in an Incident of Noncompliance (INC) in accordance with 43 CFR 3163.1

Subject to like approval by the state.

1. **Contact the appropriate BLM office at least 24 hours prior to the commencing of any conversion operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.**
2. No further surface disturbance beyond that of the well pad will be permitted without prior approval.
3. A closed loop system will be used.
4. H2S plan must be implemented with monitoring and protection equipment on site.
5. A blowout preventer (BOP), as appropriate, shall be installed before commencing any conversion 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 6,600 feet; a 3M system for a well not deeper than 10,000 feet; and a 5M system for a well not deeper than 16,500 feet.
6. Mud shall be placed in the hole to prevent kicks and flows. Mud shall be cut brine, and maintained between 9-10 ppg. Any variance requires prior approval.
7. Within 30 days after conversion work is completed, file one original and three copies of the Subsequent Report of conversion, Form 3160-5, and one original and three copies of the Completion Report, Form 3160-4 to BLM. The report should give in detail the manner in which the conversion work was carried out. **Show date injection started.**
8. 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.

Work on well shall commence within **one hundred-twenty (120)** days from the approval of this Notice of Intent.

DHW 122809