

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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-031621-B

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No  
SEE ATTACHED LIST

2. Name of Operator

EnerVest Operating, LLC

9. API Well No.  
SEE ATTACHED LIST

3a. Address

1001 Fannin Street Ste 800  
Houston, Texas 77002

3b. Phone No. (include area code)

713-495-6530

10. Field and Pool or Exploratory Area  
SEE ATTACHED LIST

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

SEE ATTACHED LIST

11. Country or Parish, State  
Lea, New Mexico

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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Well furnishing water
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	for 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.)

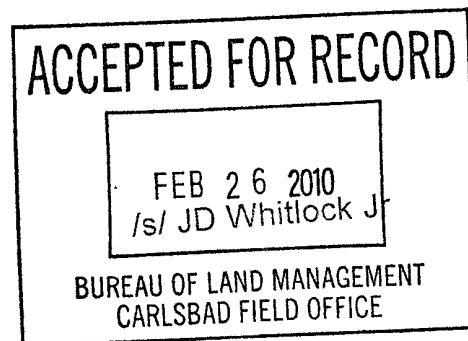
The attached list of wells are furnishing water for off lease disposal on BLM Lease LC-031621-B.

NM State Corporation Commission Permit # 2547982.

Included is information for the water disposal site and a water analysis report dated 12/8/2009.

**SUBJECT TO LIKE  
APPROVAL BY STATE**

**RECEIVED**  
MAR 03 2010  
HOBBSOCD



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

Shirley Galik

Title Sr. Regulatory Tech

Signature

*Shirley Galik*

Date 01/25/2010

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

Approved by

*ELG 3/8/10*

Title

Date

**MAR 08 2010**

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)

LC-031621-B

**ENERVEST OPERATING LLC**  
**BLM Well List for Eumont-Jal et al Area**  
**Water Hauling**

Lease Name	Well No	BLM Lease #	UL	Legal Desc. Sec	Twins	Rge	County	Field	Formation	Footage	A P I Number	Water Storage FG Tank (bbls)	Bbls Wtr/Day
Hobbs	4	LC 031621-B	N	18	20 S	37 E	Lea	Eumont	Yates-7Riv	660' FSL & 1980' FWL	30-025-06162		0
Hobbs	5	LC 031621-B	K	18	20 S	37 E	Lea	Eumont	Yates-7Riv	1980' FSL & 1650' FWL	30-025-33536	150	1

Victory Energy Svc LLC (Primary)

DISPOSAL SITE:

Ruthco Oil LLC  
Hobbs East San Andres SWD #104  
UL F, Sec 30, T18S, R39E  
1980' FNL & 2310' FWL  
API 30-025-07950

Order R-3500

Fulco Trucking (Secondary)

DISPOSAL SITE:

Fulfer Oil & Cattle LLC  
Brown #5 SWD, Order R-5196  
UL E, Sec 25, T 25 S, R 36 E  
1650' FNL & 990' FWL  
API 30-025-09807

Order R-5196

Lobo Trucking (Backup)

DISPOSAL SITE:

J. Cooper Enterprises Inc.  
Anderson #1 SWD, Order R-12375  
UL O, Sec 8, T 20 S, R 37 E  
330' FSL & 1980' FEL  
API 30-025-29962

Order R-12375

1/25/2010

**Weatherford Engineered Chemistry**

2263 West Bell St.  
Odessa, TX 79766

Phone (432) 368-8410  
Fax (432) 335-0613

**WATER ANALYSIS REPORT**

**Company:** EnerVest Operating  
**Water Source:** Martin #4  
**Sample Point:**

**Lab ID Number:**  
**Date Sampled:** 6-30-09  
**Date Analyzed:** 7-01-09

**Production Data:****BOPD:****BWPD:****MMCFD:**

pH:	6.40	Total Dissolved Solids (mg/L)	32,822
Dissolved H <sub>2</sub> S:	ND	Total Ionic Strength	0.651
Dissolved CO <sub>2</sub> :	468.0	Specific Gravity	1.027
Resistivity @ 75°F (Ohm-Meters)	0.21000	Density, (lbs/gal):	8.57


<b>Cations</b>	<b>mg/L</b>	<b>Meq/L</b>	<b>Anions</b>	<b>mg/L</b>	<b>Meq/L</b>
Calcium:	3,300	165	Carbonate:	780	13
Magnesium:	61	5	Bicarbonate:	967	16
Sodium:	9,024	392	Chloride	19,200	541
Barium:	0		Sulfate	270	6
Strontium:	0		Total Hardness	8,500	
Ferrous Iron:	0.0				
Total Dissolved Iron:	0.0				

**PROBABLE MINERAL COMPOSITION**

	<b>mg/L</b>	<b>Meq/L</b>
Calcium Bicarbonate:	1,285	16
Calcium Sulfate:	383	6
Calcium Chloride:	7,966	144
Magnesium Bicarbonate:	0	0
Magnesium Sulfate:	0	0
Magnesium Chloride:	237	5
Sodium Bicarbonate:	0	0
Sodium Sulfate:	0	0
Sodium Chloride:	22,936	392

**Remarks**

ND - not determined  
Yates Seven Rivers Queens Formation

*Hydro*  *Pax*

**Analyst:** \_\_\_\_\_

**Weatherford Engineered Chemistry**

2263 West Bell St  
Odessa, TX 79766

Phone (432) 368-8410  
Fax (432) 335-0618

**SCALE DEPOSITION POTENTIAL ANALYSIS**

**Company:** EnerVest Operating  
**Water Source:** Martin #4  
**Sample Point:**

**Lab ID Number:**  
**Date Sampled:** 6-30-09  
**Date Analyzed:** 7-01-09

**Brine Composition**

pH:	6.40	Ca, mg/L:	3,300	Total Hardness, mg/L:	8,500
Specific Gravity:	1.027	Mg, mg/L:	61	Total Dissolved Solids, mg/L:	32,822
HCO <sub>3</sub> , mg/L:	967	Na, mg/L:	9,024	Total Ionic Strength:	0.651
Cl, mg/L:	19,200	Ba, mg/L:	0		
SO <sub>4</sub> , mg/L:	270	Sr, mg/L:	0	Total Dissolved Iron, mg/L:	0.0

**Calcium Carbonate Scale Indices**

Specified Temperatures

Temperature, °F:	75	100	125	150	40	180
Stiff-Davis Index:	0.17	0.49	0.85	1.28	-0.10	1.87
Deposition, lbs/1,000 Bbls:	196.9	371.9	462.9	516.1	-62.3	546.0

**Calcium Sulfate Scale Indices**


Specified Temperatures

Temperature, °F:	75	100	125	150	40	180
Supersaturation Ratio:	0.192	0.191	0.193	0.200	0.194	0.208
Deposition, lbs/1,000 Bbls:	-563.1	-566.6	-561.3	-537.4	-555.5	-510.0

**Barium Sulfate Scale Indices**

Specified Temperatures

Temperature, °F:	75	100	125	150	40	180
Supersaturation Ratio:	0.000	0.000	0.000	0.000	0.000	0.000
Deposition, lbs/1,000 Bbls:	-0.2	-0.3	-0.4	-0.5	-0.1	-0.7

*Hydro*  *Pax*

# Weatherford Engineered Chemistry

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Odessa, TX 79766

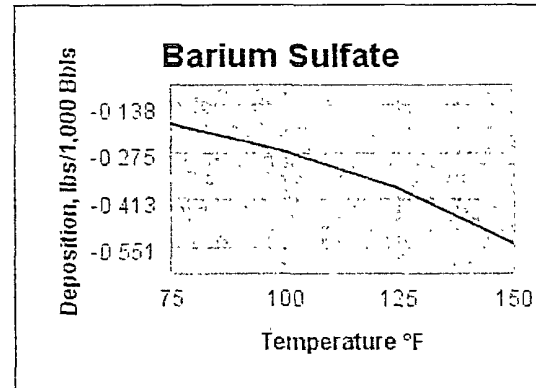
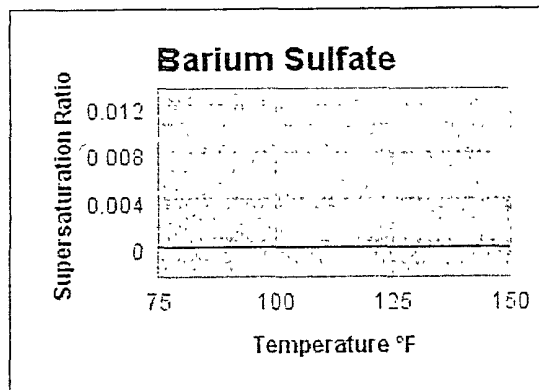
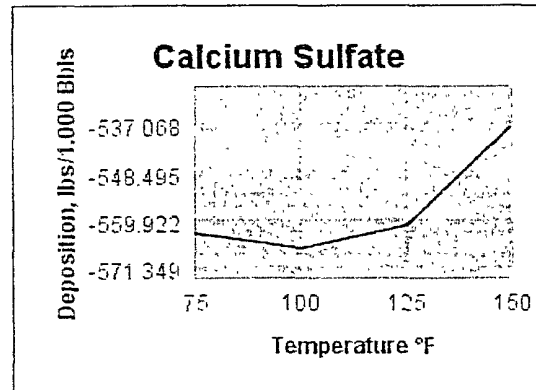
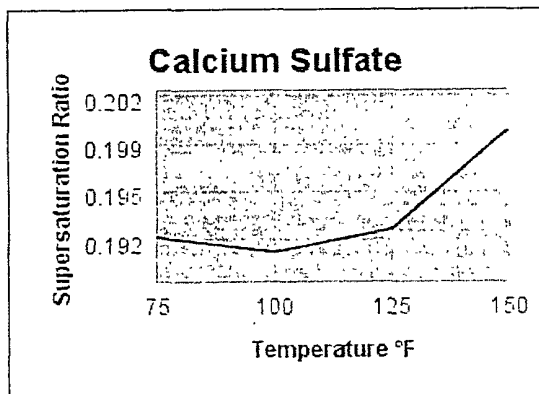
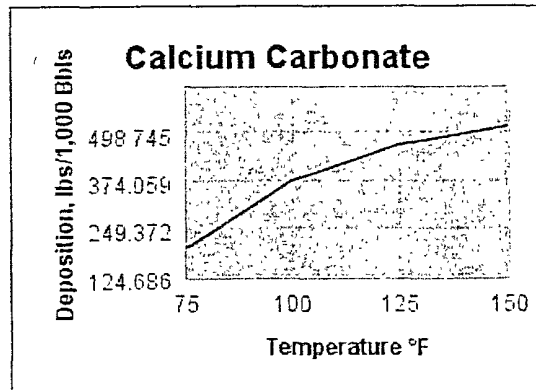
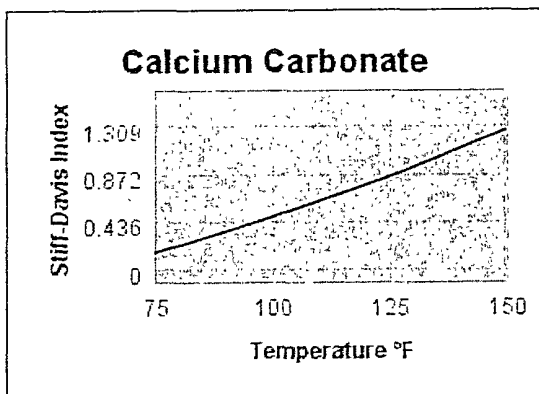
Phone: (432) 368-8410

Fax: (432) 335-0613

## SCALE DEPOSITION POTENTIAL TRENDS

Company: Enervest Operating  
Water Source: Martin #4  
Sample Point:

Lab ID Number:  
Date Sampled: 6-30-09  
Date Analyzed: 7-01-09



HydroPax