

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
OCC-HOBBS  
MAR 03 2010  
HOBBS

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-030556-A  
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

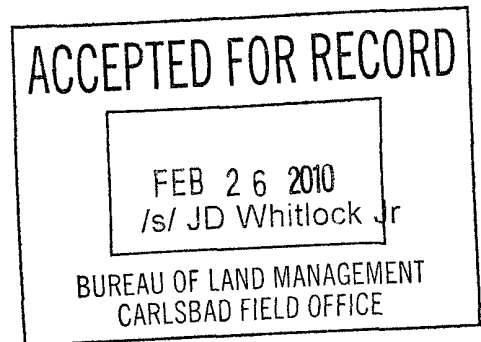
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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-030556-A.

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**



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

Shirley Galik

Title Sr. Regulatory Technician

Signature

*Shirley Galik*

Date 01/25/2010

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

Approved by

*EG 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-030556-A

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

Lease Name	Well No	BLM Lease #	UL	Legal Sec	Desc. Twns	Rge	County	Field	Formation	Footage	A P I Number	Water Storage FG Tank (bbls)	Bbls Wtr/Day
Stevens A 35 Com	1 ✓	LC 030556-A	J	35	23S	36E	✓ Lea	Jalmat	Tansil-Yates-7Riv	1980' FSL & 1980' FEL ✓	30-025-09465	✓ 300	0
Stevens A 35 Com	2 ✓	LC 030556-A	L	35	23S	36E	✓ Lea	Jalmat	Tansil-Yates-7Riv	1650' FSL & 990' FWL ✓	30-025-09467	✓ 300	0
Stevens A 35 Com	3 ✓	LC 030556-A	J	35	23S	36E	✓ Lea	Langle Mattix	7Riv-Queen-Gray	1980' FSL & 1730' FEL ✓	30-025-27141	✓ 210	6
Stevens A 35 Com	4 ✓	LC 030556-A	P	35	23S	36E	✓ Lea	Jalmat	Tansil-Yates-7Riv	990' FSL & 660' FEL ✓	30-025-26267	✓ 410	0
Stevens A 35 Com	5 ✓	LC 030556-A	K	35	23S	36E	✓ Lea	Jalmat	Tansil-Yates-7Riv	2030' FSL & 1830' FWL ✓	30-025-38765	✓ 300	1

If hauled by Fulco (Primary) or Phoenix 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 - inject into lower Yates-Seven Rivers formation

If hauled by 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 - inject into lower San Andres and Glorieta Formation

**Weatherford Engineered Chemistry**

2263 West Bell St  
Odessa, TX 79766

Phone: (432) 368-8410

Fax: (432) 335-0618

**WATER ANALYSIS REPORT**

Company: EnerVest Operating  
Water Source: Wells Federal B-6 #1  
Sample Point:

Lab ID Number:  
Date Sampled: 12-07-09  
Date Analyzed: 12-08-09

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

pH:	7.20	Total Dissolved Solids (mg/L):	94,503
Dissolved H <sub>2</sub> S	ND	Total Ionic Strength:	1.960
Dissolved CO <sub>2</sub> :	224.0	Specific Gravity:	1.048
Resistivity (@ 75°F (Ohm-Meters)	0.07600	Density, (lbs/gal):	8.74


Cations	mg/L	Meq/L	Anions	mg/L	Meq/L
Calcium:	1,600	80	Carbonate:	1,120	19
Magnesium:	5,540	454	Bicarbonate:	1,389	23
Sodium:	26,598	1,156	Chloride:	59,200	1,668
Barium:	165		Sulfate:	10	0
Strontium:	0		Total Hardness:	26,800	
Ferrous Iron:	0.0				
Total Dissolved Inorg	0.0				

**PROBABLE MINERAL COMPOSITION**

	mg/L	Meq/L
Calcium Bicarbonate:	1,845	23
Calcium Sulfate:	14	0
Calcium Chloride:	3,165	57
Magnesium Bicarbonate:	0	0
Magnesium Sulfate:	0	0
Magnesium Chloride:	21,626	454
Sodium Bicarbonate:	0	0
Sodium Sulfate:	0	0
Sodium Chloride:	67,606	1,156

**Remarks**

ND - not determined  
Tansil Seven Rivers Queens Formation

*Hydro*  *Pax*

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

**Weatherford Engineered Chemistry**

2263 West Bell St  
Odessa, TX 79706

Phone (432) 368-8410

Fax: (432) 335-0618

**SCALE DEPOSITION POTENTIAL ANALYSIS**

**Company:** EnerVest Operating  
**Water Source:** Wells Federal B-6 #1  
**Sample Point:**

**Lab ID Number:**  
**Date Sampled:** 12-07-09  
**Date Analyzed:** 12-08-09

**Brine Composition**

pH:	7.20	Ca, mg/L:	1,600	Total Hardness, mg/L:	26,800
Specific Gravity	1.048	Mg, mg/L:	5,540	Total Dissolved Solids, mg/L:	94,503
HCO <sub>3</sub> , mg/L:	1,389	Na, mg/L:	26,598	Total Ionic Strength:	1.960
Cl, mg/L:	59,200	Ba, mg/L:	165		
SO <sub>4</sub> , mg/L:	10	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	0.78	1.06	1.42	1.90	0.50	2.50
Deposition, lbs/1,000 Bbls:	562.8	657.5	731.0	773.3	420.0	790.7

**Calcium Sulfate Scale Indices**

Specified Temperatures

Temperature, °F	75	100	125	150	180
Supersaturation Ratio	0.003	0.003	0.003	0.003	0.003
Deposition, lbs/1,000 Bbls	-1,731.2	-1,726.6	-1,704.3	-1,680.6	-1,656.0

**Barium Sulfate Scale Indices**

Specified Temperatures

Temperature, °F	75	100	125	150	40	180
Supersaturation Ratio	7.505	5.363	3.886	2.753	13.066	1.885
Deposition, lbs/1,000 Bbls	7.4	6.9	6.3	5.4	7.9	4.0

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# Weatherford Engineered Chemistry

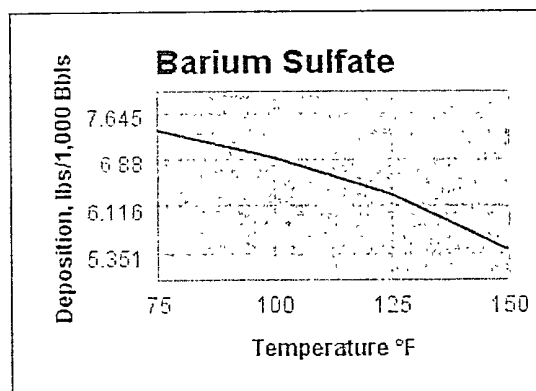
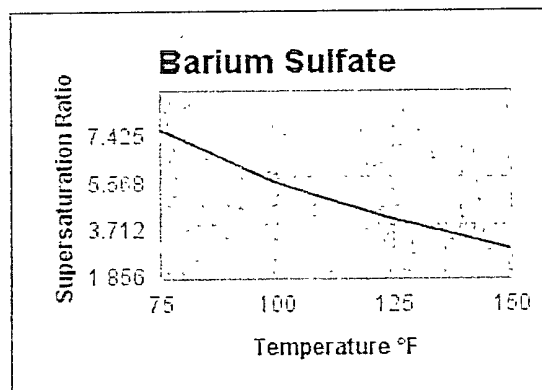
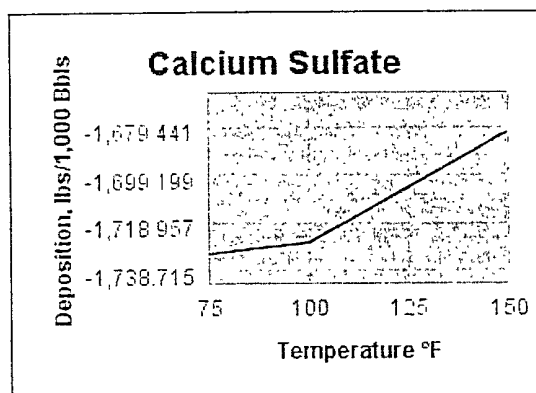
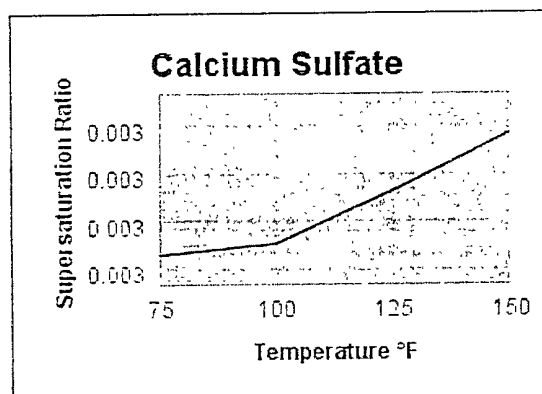
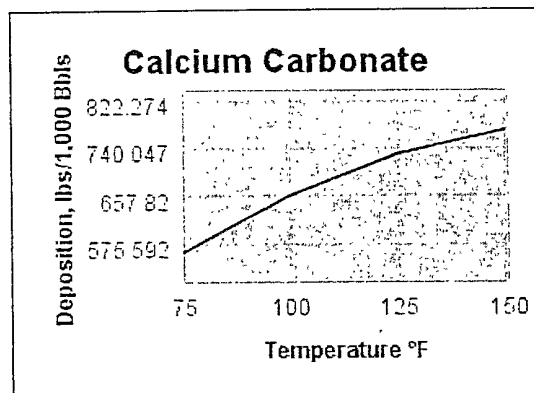
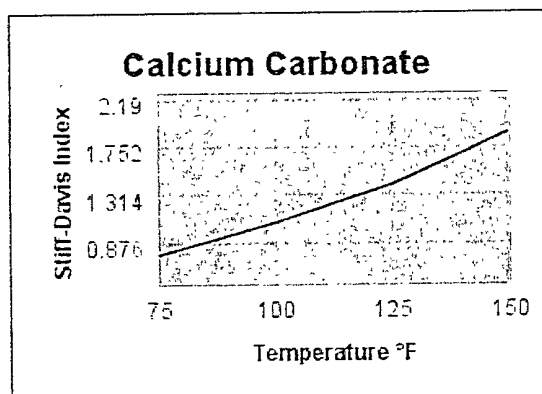
2263 West Bell St  
Odessa, TX 79766

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

## SCALE DEPOSITION POTENTIAL TRENDS

Company: EnerVest Operating  
Water Source: Wells Federal B-6 #1  
Sample Point:

Lab ID Number:  
Date Sampled: 12-07-09  
Date Analyzed: 12-08-09



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