

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBS

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. NM-2511
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.
8. Well Name and No. SEE ATTACHED LIST
9. API Well No. SEE ATTACHED LIST
10. Field and Pool or Exploratory Area SEE ATTACHED LIST
11. Country or Parish, State Lea, New Mexico

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator EnerVest Operating, LLC	
3a. Address 1001 Fannin Street Ste 800 Houston, Texas 77002	3b. Phone No. (include area code) 713-495-6530
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEE ATTACHED LIST	

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 NM-2511.  
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  
HOBSOCD

**ACCEPTED FOR RECORD**

FEB 26 2010  
/s/ JD Whitlock Jr

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

14 I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Shirley Galik		Title Sr. Regulatory Tech
Signature <i>Shirley Galik</i>		Date 01/25/2010

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

Approved by <i>EG 3/8/10</i>	Title <b>OC FIELD REPRESENTATIVE / STAFF MANAGER</b>	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

NM 2511

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

Lease Name	Well No	BLM Lease #	UL	Legal Desc.			County	Field	Formation	Footage	A P I Number	Water Storage FG Tank (bbis)	Bbls Wtr/Day
				Sec	Twns	Rge							
Meyer B 27	1 ✓	NM 2511	E	27	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	1980' FNL & 660' FWL	30-025-06271 ✓	✓ 150	1
Meyer B 27	2 ✓	NM 2511	C	27	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	960' FNL & 1980' FWL	30-025-38139 ✓	✓ 300	1
Meyer B 27	3 ✓	NM 2511	D	27	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	660' FNL & 660' FWL	30-025-38763 ✓	✓ 300	2
Meyer B 28 A Com A/C2	2 ✓	NM 2511	O	28	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	660' FSL & 1980' FEL	30-025-06273 ✓	✓ 150	1
Meyer B 28 A Com A/C 2	4 ✓	NM 2511	I	28	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	1980' FSL & 660' FEL	30-025-37961 ✓	✓ -	0
Meyer B 28 A Com A/C 2	5 ✓	NM 2511	A	33	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	660' FNL & 660' FEL	30-025-38365 ✓	✓ 300	2

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


**Weatherford Engineered Chemistry**2063 West Bell St  
Odessa, TX 79766Phone (432) 368-8410  
Fax (432) 335-0618**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*  *Fax*

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

# Weatherford Engineered Chemistry

2263 West Bell St  
Odessa, TX 79766

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

## SCALE DEPOSITION POTENTIAL ANALYSIS

<b>Company:</b>	EnerVest Operating	<b>Lab ID Number:</b>	
<b>Water Source:</b>	Martin #4	<b>Date Sampled:</b>	6-30-09
<b>Sample Point:</b>		<b>Date Analyzed:</b>	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	Total Dissolved Iron, mg/L	0.0
SO <sub>4</sub> , mg/L	270	Si, mg/L	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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## 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

