

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBSS

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-1410

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

☐ Oil Well ☒ Gas Well ☐ 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 recompleting 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 recompleting 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-1410.

NM State Corporation Commission Permit # 2547982.

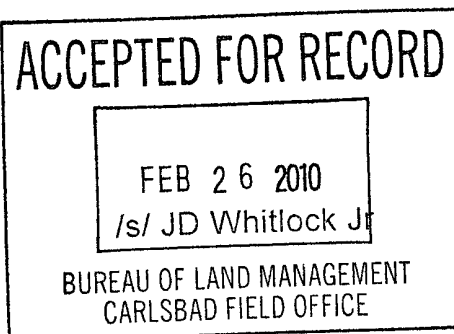
Included is information for the water disposal site and a water analysis report dated 12/8/2009.

RECEIVED

MAR 03 2010

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**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 Tech

Signature

Shirley Galik

Date 01/25/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

EG 3/8/10

Title

DECLINED REPRESENTATIVE/STAFF MANAGER

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)

NM-1410

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

Lease Name	Well No	BLM Lease #	Legal Desc.				County	Field	Formation	Footage	A P I Number	Water Storage FG Tank (bbls)	Bbls Wtr/Day
			UL	Sec	Twns	Rge							
Elliott B 6	1 ✓	NM 1410	M	6	22 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	330' FSL & 610' FWL ✓	30-025-10082	✓ 150	1
tt B 6	2 ✓	NM 1410	L	6	22 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	1980' FSL & 800' FWL ✓	30-025-38298	✓ 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

1/25/2010

Weatherford Engineered Chemistry2263 West Bell St.
Odessa, TX 79766

Phone (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:	6.45	Total Dissolved Solids (mg/L)	32,822
Dissolved H ₂ S	ND	Total Ionic Strength	0.651
Dissolved CO ₂	468.0	Specific Gravity	1.027
Resistivity @ 75°F (Ohm-Meters)	0.21000	Density, (lbs/gal)	8.57

Cations	mg/L	Meq/L	Anions	mg/L	Meq/L
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

	mg/L	Meq/L
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

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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	Lab ID Number:	
Water Source:	Martin #4	Date Sampled:	6-30-09
Sample Point:		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 ₃ , 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 ₄ , mg/L	270	Sr, 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

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Weatherford Engineered Chemistry

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Odessa, TX 79766

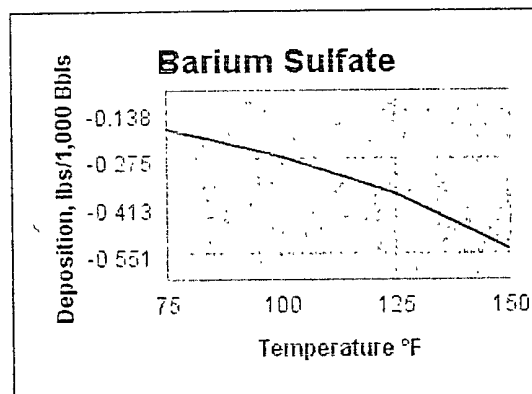
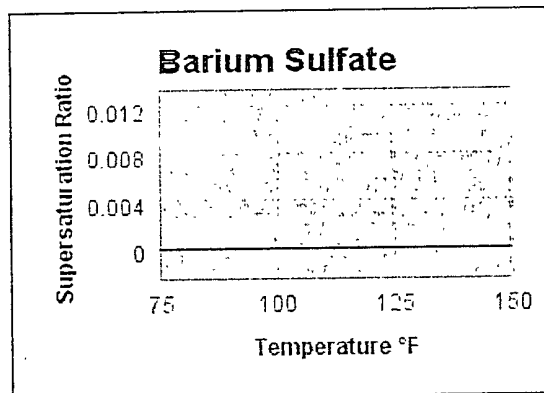
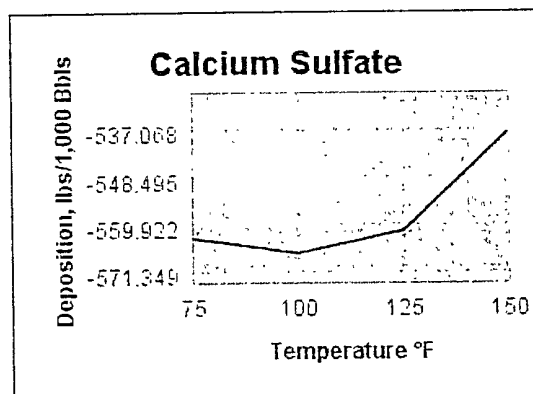
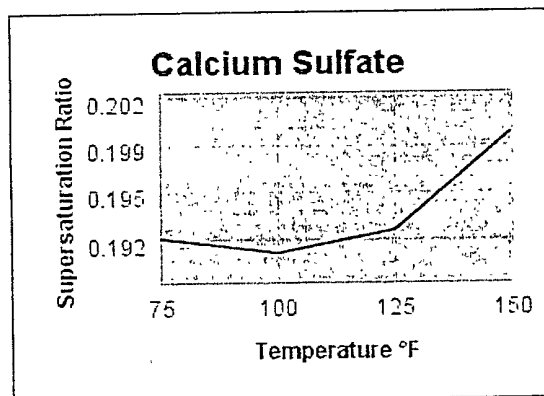
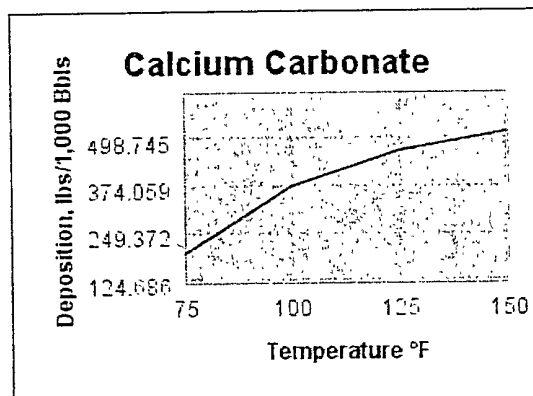
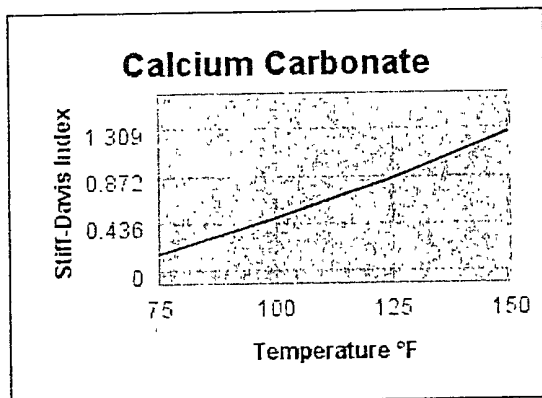
Phone (432) 368-8410


Fax: (432) 335-0618

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



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