

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-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-031621-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-031621-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**

RECEIVED
MAR 03 2010
HOBBSOCD

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

Shirley Galik

Date 01/25/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

ELG 3/8/10

Title

SENIOR REGULATORY TECH

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-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
Britt	1 ✓	LC 031621-A	F	7	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	1980' FNL & 1980' FWL ✓	30-025-05972	✓ 210	60
Britt	2 ✓	LC 031621-A	C	7	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	660' FNL & 1980' FWL ✓	30-025-05990	✓ 150	52
Britt	3 ✓	LC 031621-A	G	7	20 S	37 E	✓ Lea ✓	Eumont	Yates-7Riv-Queen	2310' FNL & 1650' FEL ✓	30-025-05991	✓ -	P&A'd
Britt	4 ✓	LC 031621-A	B	7	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	660' FNL & 1980' FEL ✓	30-025-05992	✓ 300	34
Britt	5 ✓	LC 031621-A	K	7	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	1980' FSL & 1980' FWL ✓	30-025-05993	✓ 150	18
Britt	10 ✓	LC 031621-A	B	7	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	330' FNL & 1650' FEL ✓	30-025-05997	✓ -	TA'd
Britt	11 ✓	LC 031621-A	G	7	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	1650' FNL & 1650' FEL ✓	30-025-05998	✓ 300	265
Britt	12 ✓	LC 031621-A	C	7	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	330' FNL & 2281' FWL ✓	30-025-05999	✓ 150	2
Britt	13 ✓	LC 031621-A	J	7	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	2310' FSL & 1650' FEL ✓	30-025-06000	✓ -	TA'd
Britt	14 ✓	LC 031621-A	J	7	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	1400' FSL & 2310' FEL ✓	30-025-35152	✓ 300	44
Britt	15 ✓	LC 031621-A	O	7	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	660' FSL & 1980' FEL ✓	30-025-38770	✓ 300	105
Britt A 6	1 ✓	LC 031621-A	M	6	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	660' FSL & 660' FWL ✓	30-025-05937	✓ -	0
Britt A 6	2 ✓	LC 031621-A	L	6	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	1980' FNL & 660' FWL ✓	30-025-05938	✓ -	1
Britt A 6	3 ✓	LC 031621-A	L	6	20 S	37 E	✓ Lea	Monument	Paddock	2310' FSL & 660' FWL ✓	30-025-05939	✓ -	1
Britt A 6	5 ✓	LC 031621-A	M	6	20 S	37 E	✓ Lea	Monument	Blinberry	990' FSL & 660' FWL ✓	30-025-05941	✓ -	165

Transport via Pipeline to either:

DISPOSAL SITE:

Rice Engineering Corp.
E.M.E. SWD System
UL M, Sec 9, T 20 S, R 37 E
Disposal Order # R-1483

OR

Rice Engineering Corp.
E.M.E. SWD System
UL G, Sec 8, T 20 S, R 37 E
Disposal Order # R-6855

If the pipeline is not available to transport the water, the following trucking companies will be used as an alternative.

Victory Energy Svc LLC
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
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
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

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 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**

Calcium:
Magnesium:
Sodium:
Barium:
Strontium:
Ferrous Iron
Total Dissolved Iron

3,300	165
61	5
9,024	392
0	
0	
0.0	
0.0	

Anions**mg/LMeq/L**


Carbonate:	780	13
Bicarbonate:	967	16
Chloride	19,200	541
Sulfate	270	6
Total Hardness:	8,500	

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
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 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	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

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Weatherford Engineered Chemistry

2263 West Bell St
Odessa, TX 79766

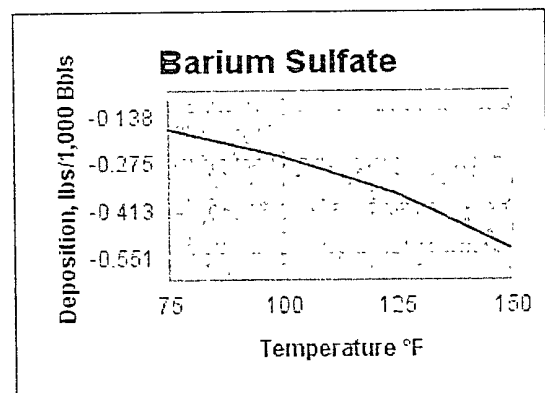
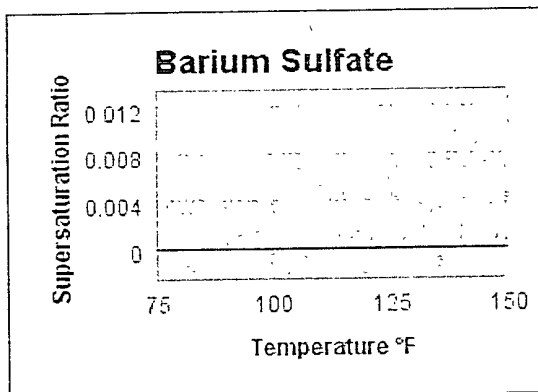
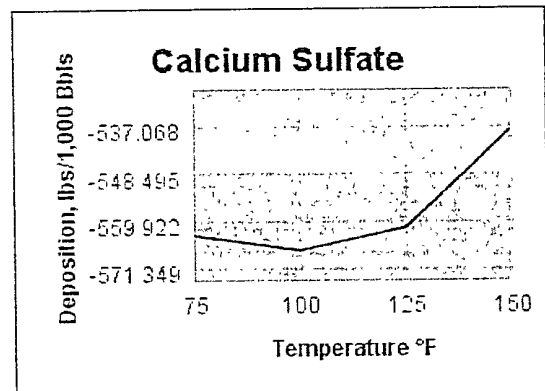
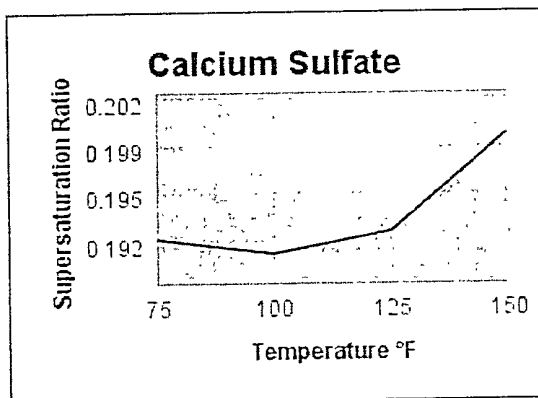
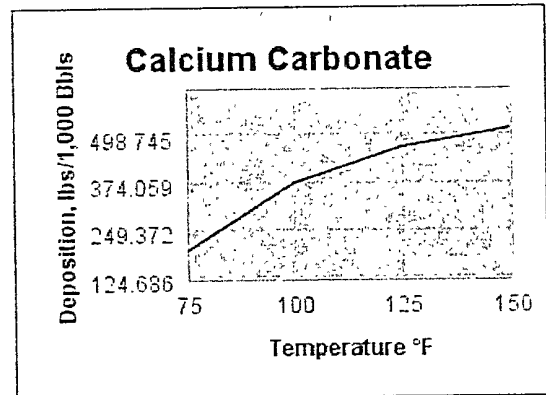
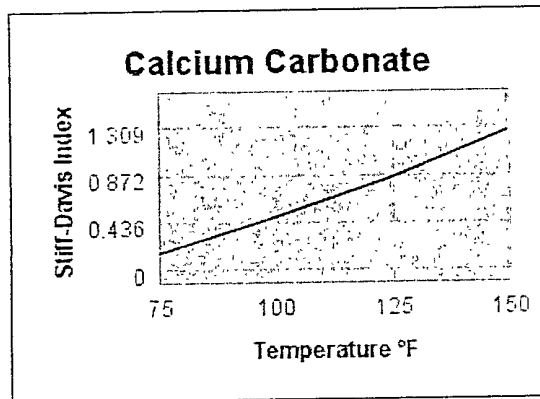
Phone (432) 368-8410

Fax (432) 335-0618

SCALE DEPOSITION POTENTIAL TRENDS

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

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



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