

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-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)

713-495-1514

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

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

OCD FIELD REPRESENTATIVE

Date

MAR 08 2010

Office

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.

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 #	Legal Desc.				County	Field	Formation	Footage	A P I Number	Water Storage FG Tank (bbls)	Bbls Wtr/Day
			UL	Sec	Twns	Rge							
Britt B 8	2 ✓	LC 031621 (b)	C	8	20 S	37 E	✓ Lea	Monument	San Andres	330' FNL & 2310' FWL ✓	30-025-06007 ✓	✓ 300	343
Britt-Laughlin Com*	1 ✓	LC 031621 (b) NM 84618	C	8	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	660' FNL & 1980' FWL ✓	30-025-06006 ✓	✓ 150	171
Britt-Laughlin Com*	2 ✓	LC 031621 (b) NM 84618	N	5	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	330' FSL & 1650' FWL ✓	30-025-05924 ✓	✓ 150	1
Britt-Laughlin Com*	4 ✓	LC 031621 (b) NM 84618	A	8	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	660' FNL & 660' FEL ✓	30-025-06005 ✓	✓ TA'd*	0
Britt-Laughlin Com*	5 ✓	LC 031621 (b) NM 84618	O	5	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	330' FSL & 2310' FEL ✓	30-025-05907 ✓	✓ TA'd*	0
Britt-Laughlin Com*	6 ✓	LC 031621 (b) NM 84618	I	5	20 S	37 E	✓ Lea	Eumont	Yates-7Riv-Queen	1860' FSL & 760' FEL ✓	30-025-31105 ✓	✓ 150	0.25

*MIT - passed 2009

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
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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 Chemistry2263 West Bell St
Odessa, TX 79766

Phone (432) 368-8410

Fax (432) 335-0618


WATER ANALYSIS REPORT**Company:** EnerVest Operating
Water Source: Britt B-8 #2
Sample Point:**Lab ID Number:**
Date Sampled: 12-07-09
Date Analyzed: 12-08-09**Production Data:****BOPD:****BWPD:****MMCFD:**

pH:	6.40	Total Dissolved Solids (mg/L):	61,928
Dissolved H ₂ S:	ND	Total Ionic Strength:	1.212
Dissolved CO ₂ :	480.0	Specific Gravity:	1.048
Resistivity @ 75°F (C/m-Meters):	0.12000	Density (lbs/gal):	8.74

Cations	mg/L	Meq/L	Anions	mg/L	Meq/L
Calcium:	5,800	290	Carbonate:	800	13
Magnesium:	0	0	Bicarbonate:	992	16
Sodium:	17,781	773	Chloride:	37,000	1,042
Barium:	135		Sulfate:	220	5
Strontium:	0		Total Hardness:	8,300	
Ferrous Iron:	0.0				
Total Dissolved Iron:	0.0				

PROBABLE MINERAL COMPOSITION

	mg/L	Meq/L
Calcium Bicarbonate:	1,318	16
Calcium Sulfate:	312	5
Calcium Chloride:	14,938	269
Magnesium Bicarbonate:	0	0
Magnesium Sulfate:	0	0
Magnesium Chloride:	0	0
Sodium Bicarbonate:	0	0
Sodium Sulfate:	0	0
Sodium Chloride:	45,195	773

RemarksND - not determined
San Andres 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: Britt B-8 #2
Sample Point:

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

Brine Composition

pH	6.40	Ca, mg/L	5,800	Total Hardness, mg/L	8,300
Specific Gravity	1.048	Mg, mg/L	0	Total Dissolved Solids, mg/L	61,928
HCO ₃ , mg/L	992	Na, mg/L	17,781	Total Ionic Strength	1,212
Cl, mg/L	37,000	Ba, mg/L	135		
SO ₄ , mg/L	220	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	0.29	0.58	0.95	1.44	0.01	2.03
Deposition, lbs/1,000 Bbls:	272.5	405.2	502.3	545.9	18.5	563.1

Calcium Sulfate Scale Indices


Specified Temperatures

Temperature, °F:	75	100	125	150	40	180
Supersaturation Ratio:	0.161	0.161	0.164	0.168	0.162	0.175
Deposition, lbs/1,000 Bbls:	-570.8	-568.7	-556.9	-541.5	-565.5	-515.9

Barium Sulfate Scale Indices

Specified Temperatures

Temperature, °F	75	100	125	150	40	180
Supersaturation Ratio	117.991	101.565	69.758	47.347	2...	32.281
Deposition, lbs/1,000 Bbls:	79.6	79.5	79.1	78.6	7...	77.8

Hydro  *Pac*

Weatherford Engineered Chemistry

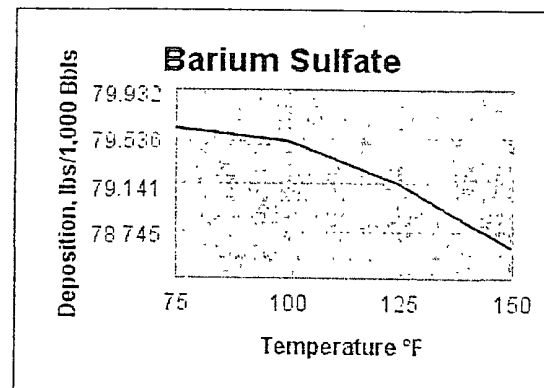
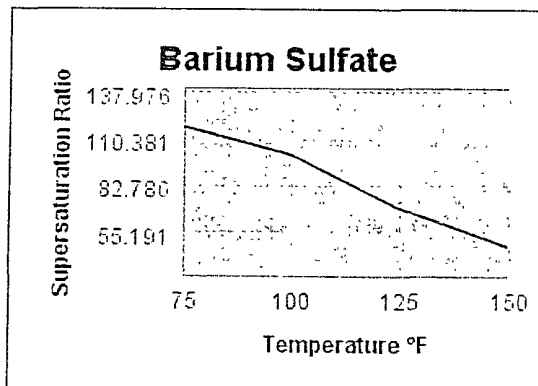
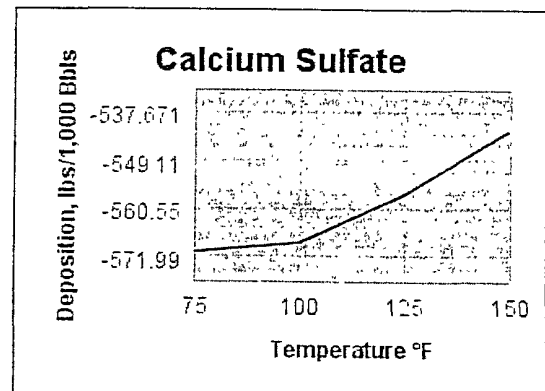
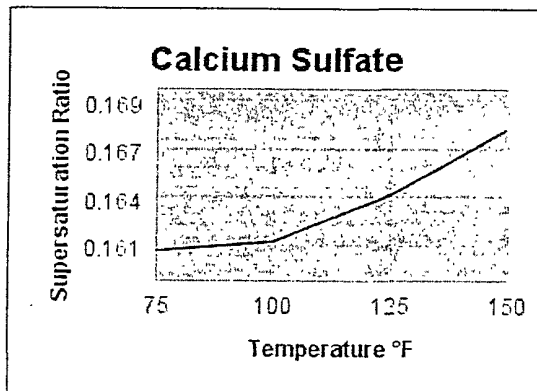
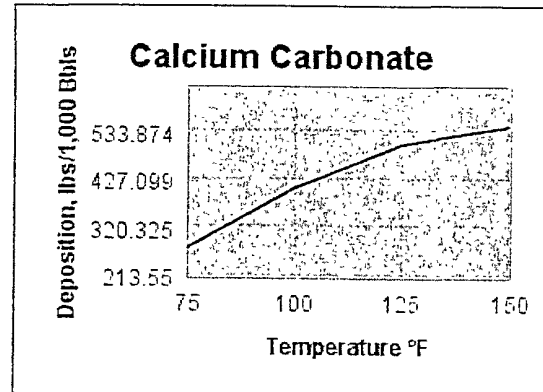
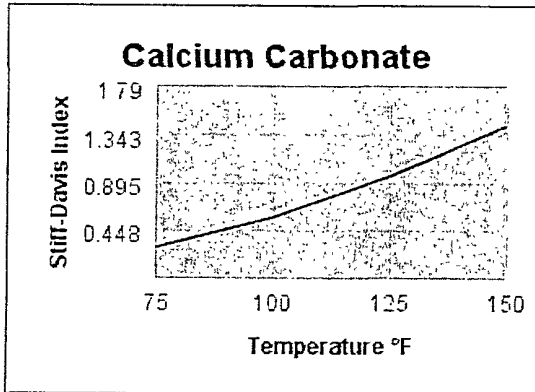
2063 West Bell St
Odessa, TX 79766

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

SCALE DEPOSITION POTENTIAL TRENDS

Company: EnerVest Operating
Water Source: Britt B-8 #2
Sample Point:

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



Hydro  Pax