

Submit 1 Copy To Appropriate District
Office
District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W Grand Ave, Artesia, NM 88210
District III
1000 Rio Brazos Rd, Aztec, NM 87410
District IV
1220 S St Francis Dr, Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources
RECEIVED
OIL CONSERVATION DIVISION
MAR 12 2010 1220 South St. Francis Dr.
Santa Fe, NM 87505
HOBBSOCD

Form C-103
October 13, 2009

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)		WELL API NO. 30-025-11969 ✓
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator EnerVest Operating, L.L.C. ✓		6. State Oil & Gas Lease No.
3. Address of Operator 1001 Fannin, Suite 800 Houston, TX 77002		7. Lease Name or Unit Agreement Name C. T. Bates ✓
4. Well Location Unit Letter L : 1980 feet from the South line and 660 feet from the West line Section 10 Township 26S Range 37E NMPM County Lea ✓		8. Well Number 1 ✓
11. Elevation (Show whether DR, RKB, RT, GR, etc) 2993' GR		9. OGRID Number 143199 ✓
		10. Pool name or Wildcat Rhodes(Y-7R) Gas & S Leonard Q Oil

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: **Approved DHC 4260 attached** ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Proposed procedure:

Clean location, test anchors. MIRU workover unit. POOH w/rods & pump; carefully inspect for any buildup or damage. LD & replace any bad rods. NDWH, NUBOP. RU scanner & scan tbg while POOH. MIUL new jts tbg to reach deeper TD & replace bad jts f/scan. RU foam unit; PU bit & collars. RIH & drill out CIBP @ 3,315' & cmt below. Clean out to TD @ 3,569' & circ clean. POOH w/tbg; LD bit & collars; rise foam unit. Run GR/CCL f/ PBTD-3,000'. PU perf gun & shoot Qn as follows (3 SPF, 120 deg phasing, 90 holes): 3,302'-3,492' (corr w/ OH logs). RU hydrotester & RIH w/tbg & 2-3/8" x 4-1/2" treating pkr (test tbg to 5,000 psi); set pkr @ 3,272'. MIRU acid service & acidize as follows: 7,500 gals 15% NEFE w/ clay stabilizer & corrosion inhibitor w/150 ball sealers. Leave well SI overnight. Open well, check press, blow to tank & RU swab equip. Attempt to swab back load. After swabbing, release pkr & POOH & LD. PU & RIH w/ 2-7/8" BPMAJ, perf sub, SN & tbg. Run new jts on btm. NDBOP, NUWH. RIH w/ gas anchor, pump & rods. Space out, hang on, load & test. Ensure good pump action. RDMO.

Spud Date:

1-14-02

Rig Release Date:

2-13-02

DHC-4260

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Bridget Helfrich

TITLE

Regulatory Tech.

DATE

2-12-10

Type or print name

Bridget Helfrich

E-mail address:

bhelfrich@enervest.net

PHONE:

713-495-6537

For State Use Only

APPROVED BY:

[Signature]

TITLE

PETROLEUM ENGINEER

DATE

MAR 15 2010

Conditions of Approval (if any):

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Form C-102
Revised October 15, 2009
Submit one copy to appropriate
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-11969		² Pool Code 38760		³ Pool Name South Leonard-Queen	
⁴ Property Code		⁵ Property Name C T Bates			⁶ Well Number 1
⁷ OGRID No. 143100		⁸ Operator Name Enervest Operating, L.L.C.			⁹ Elevation 2993

¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	10	26S	37E		1980	South	660	West	Lea

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Bridget Helfrich 2-10-10 Signature Date Bridget Helfrich Printed Name		
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor		
	Certificate Number		

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-11969		² Pool Code 83810		³ Pool Name Rhodes (Yates-Seven Rivers) Gas Pool	
⁴ Property Code -		⁵ Property Name C T Bates			⁶ Well Number 1
⁷ OGRID No. 143100		⁸ Operator Name Enervest Operating, L.L.C.			⁹ Elevation 2993

¹⁰ Surface Location

UL or lot no. L	Section 10	Township 26S	Range 37E	Lot Idn	Feet from the 1980	North/South line South	Feet from the 660	East/West line West	County Lea
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 160		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. NSP-1292-A			

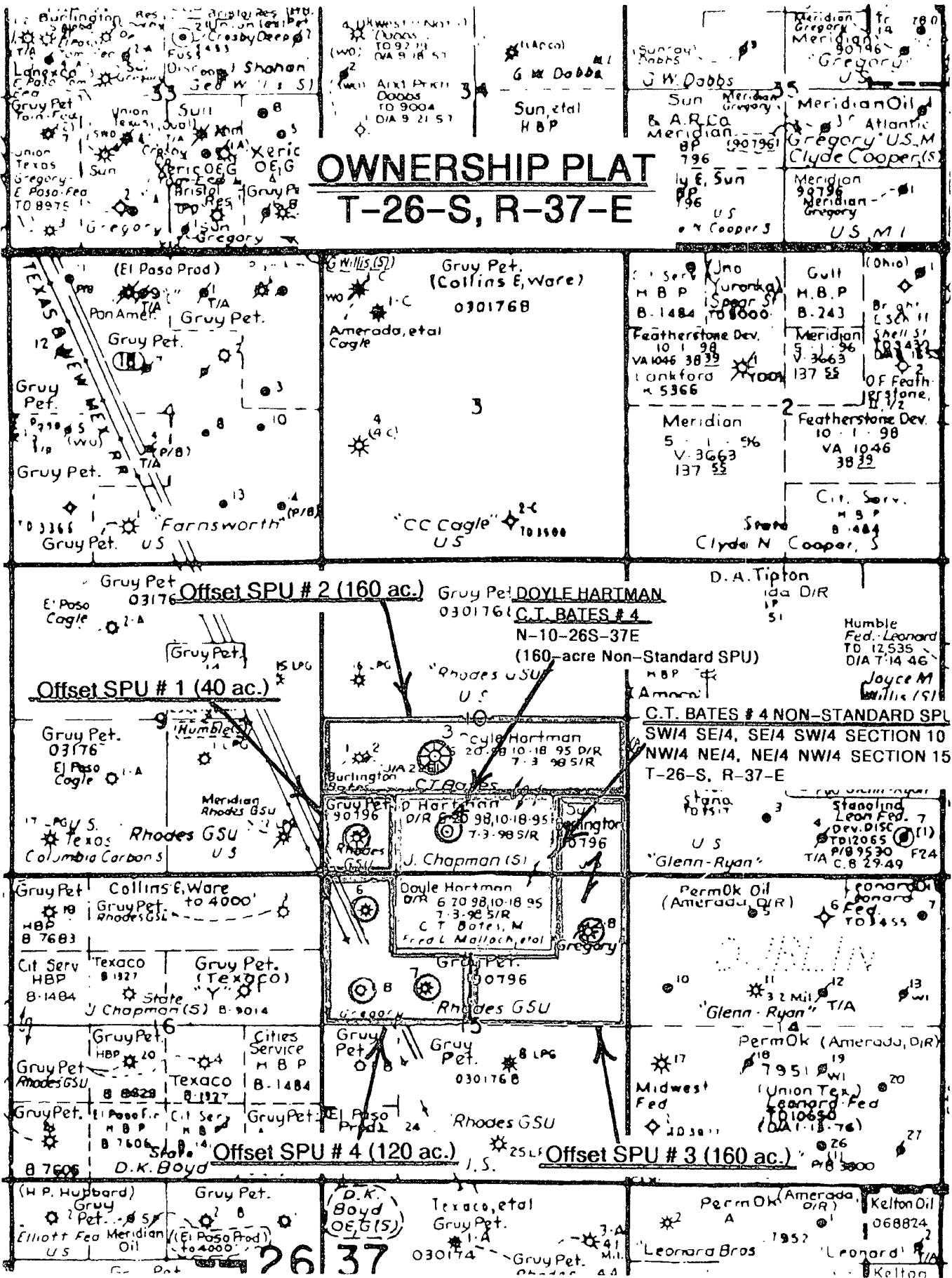
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Bridget Helfrich</u> Date: <u>2-10-10</u> Printed Name: <u>Bridget Helfrich</u>			
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor			
	Certificate Number			

List of Offset SPU's
Doyle Hartman
C.T. Bates No. 4
N-10-26S-37E
Rhodes Gas Pool

OFFSETTING SPU's						(30-025) WELL DEDICATIONS				
Offset SPU	Color Code	Operator	Acreage Description	Acres	Non-Standard SPU	NMOCD Approval	Well	Location	Simultaneous Dedication	NMOCD Approval
1	Blue	Gruy	SW/4 SW/4 Sec. 10 T-26-S, R-37-E	40	Yes	NSP-1292 (2-10-82)	Rhodes GSU No. 9	M-10-26-37	No	
2	Pink	El Paso	N/2 S/2 Sec. 10 T-26-S, R-37-E	160	Yes	NSP-1292 (2-10-82)	C.T. Bates No. 1 (P&A 2-88) 11969	L-10-26-37	No	
		Hartman	N/2 S/2 Sec. 10 T-26-S, R-37-E	160	Yes	NSP-1292-A (1-11-91)	C.T. Bates No. 3 34483	K-10-26-37	No	
3	Green	Gruy	SE/4 SE/4 Sec. 10 & NW/4NE/4, S/2 NE/4 Sec. 15, T-26-S, R-37-E	160	Yes	R-9870 (4-14-93)	Gregory "B" No. 2	A-15-26-37	No	
4	Orange	Gruy	NW/4 NW/4, S/2 NW/4 Sec. 10, T-26-S, R-37-E	120	Yes	NSP-1292 (2-10-82)	Rhodes GSU No. 6	D-15-26-37	Yes	R-6891 (2-1-82)
							Gregory "B" No. 1	E-15-26-37	Yes	R-6891 (2-1-82)
							Rhodes GSU No. 7	F-15-26-37	Yes	R-6891 (2-1-82)

OWNERSHIP PLAT **T-26-S, R-37-E**



Attachments and/or Supporting Data
Application for Downhole Commingling
Enervest Operating, L.L.C. ("Enervest")
C T Bates No. 1 (API No. 30-025-11969)
Unit L, Section 10, Township 26 South, Range 37 East, NMPM,
Lea County, New Mexico

Production Data & Proposed Allocation

The C T Bates No. 1 was drilled in 1953 and produced from the Rhodes (Yates-Seven Rivers) Gas Pool until 1988 at which time the well was plugged and abandoned. Doyle Hartman re-entered the well in 2002 and completed the well in the Rhodes (Yates-Seven Rivers) Gas Pool in March, 2002. The Rhodes (Yates-Seven Rivers) Gas Pool is currently perforated from 2,743'-2,989'. During 2009, the C T Bates No. 1 produced from this pool at an average rate of 38 MCFGPD, 0 BOPD and 0 BWPD.

Enervest proposes to complete the South Leonard-Queen Pool in the wellbore by perforating from 3,302'-3,492'.

Enervest currently operates the C T Bates No. 3, which is an offset well located in Unit K of Section 10, T-26 South, R-37 East. ~~This well is downhole commingled in the Rhodes (Yates-Seven Rivers) Gas and South Leonard-Queen Pools.~~ During 2009, the average production from this well in the South Leonard-Queen Pool was 261 MCFGPD, 4.78 BOPD and 39 BWPD.

It should be noted however, that there are several offset wells located in Sections 11 and 14, T-26 South, R37 East that produce from the South Leonard-Queen Pool. Division data indicates that these offset wells generally produce at very marginal rates of less than 1 MCFGPD and 1 BOPD.

Enervest proposes that the production allocation be established after completion of the South Leonard-Queen Pool. At that time, the Rhodes (Yates-Seven Rivers) Gas Pool will be allocated 0 BOPD and 38 MCFGPD (as per the 2009 average producing rate), and the remaining production from the well will be allocated to the South Leonard-Queen Pool. Enervest will provide production data and proposed allocation to the Santa Fe Office of the Division upon completion of the South Leonard-Queen Pool.