

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.

OCD Hobbs  
HOBBS OCD  
SEP 19 2012

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EnerVest Operating, LLC

3a. Address

1001 Fannin St Ste 800 Houston, Tx 77002

3b. Phone No. (include area code)

713-495-6537

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FSL & 660' FWL  
Sec 7, T-23S, R-32E (UL L)

5. Lease Serial No.

MM62223

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Sharbro Federal No. 7

9. API Well No.

30-025-35144

10. Field and Pool, or Exploratory Area

Sand Dunes; Delaware, East

11. County or Parish, State

Lea NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off  
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity  
☐ Casing Repair ☐ New Construction ☒ Recomplete ☐ Other  
☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon  
☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

Adding Per S

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 recompleate 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Please see attached for proposed procedure to recompleate in the Delaware section.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Bridget Helfrich

Title Regulatory Analyst II

Signature

Bridget Helfrich

Date

6-13-12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

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

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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

SEP 20 2012

**Sharbro #7**  
**Sand Dunes (Delaware)**  
Three Stage Frac in Delaware Section  
Lea County, NM

**Well Data:**

Location: 1980' FSL & 660' FWL  
Section 7, T-23-S, R-32-E, Lot L

GL: 3515'

TD: 8528'

Surface Casing: 13-3/8" 48# H-40 @ 866'  
Cmt w/ 500 sx (circ)

Intermediate Casing: 8-5/8" 32# J-55 @ 4502'  
Cmt w/ 1800 sx (circ)

Production Casing: 5-1/2" 17# K-55 @ 8,528'  
Cmt w/ 725 sx (TOC @ 4500' - CBL)  
Capacity: 0.0233 bbl/ft  
Burst (80% of K-55): 4,257 psi

Current PBTD: 6,901' (RBP)

Perfs: 6,724'-6,727' (Cherry Canyon, 16 holes, Producing)

7,043'-7,045' (12 holes, Abandoned, RBP @ 6,901')

7,141'-7,142' (8 holes, Abandoned, RBP @ 6,901')

7,445'-7,447' (12 holes, Abandoned, RBP @ 6,901')

8,239'-8,250' (16 holes, Abandoned, RBP @ 7,614')

8,386'-8,416' (8 holes, Abandoned)

Production Tubing: 2-7/8" 6.5# J-55 EUE 8Rd  
2-7/8" 6.5# J-55 capacity = 0.0058  
2-7/8" X 5-1/2" 17# annular volume = 0.0152 bbl/ft

**Procedure:**

1. Clean Location; Test anchors
2. MIRU workover unit; MIUL tag joints
3. If necessary, kill well with 2% KCl...keep kill truck on location as needed

4. POOH w/ rods and pump; carefully inspect for any buildup and/ or rod damage; LD and replace any bad rods; R&R pump
5. NDWH, NUBOP and test
6. Unseat TAC and lower tubing to tag for fill; Note # of jts to tag; POOH, tally tbg and note tag depth. If PBTD is above RBP @ 6,901', RU Reverse Unit, RBIH and circulate fill off of RBP.
7. RU Scanner and scan tubing while POOH. LD all red and green jts (do not paint red & green jts!)
8. MIUL new 2-7/8" tubing to reach older Cherry Canyon perms
9. PU RBP catcher and RIH to 6,901'; catch and release RBP and POOH
10. RIH with catcher to 7,614'; catch and release RBP and POOH
11. MIRU wireline. RIH and set CBP below stage 1. Perf stage 1 of Delaware Section (between 4,540'-8,468') *see attached email*
12. RIH w/ tubing and packer; set packer @ desired depth to isolate stage 1
13. RU Frac crew  
Frac Stage 1 according to service company recommendations
14. Unseat packer and POOH with tubing
15. RU wireline. RIH and set CBP below stage 2. Perf stage 2 of Delaware Section (between 4,540'-8,468')
16. RIH w/ tubing and packer; set packer @ desired depth to isolate stage 2
17. Frac Stage 2 according to service company recommendations
18. Unseat packer and POOH with tubing
19. RU wireline. RIH and set CBP below stage 3. Perf stage 3 of Delaware Section (between 4,540'-8,468')
20. RIH w/ tubing and packer; set packer @ desired depth to isolate stage 3
21. Frac Stage 3 according to service company recommendations
22. Unseat packer and POOH with tubing
23. RDMO frac crew and wireline.
24. ND frac valve and NU BOP and function test. PU 4-3/4" bit and bit sub on 2-7/8" production string. RIH.
25. RU reverse unit and power swivel.
26. Drill out frac plugs. Clean out to 8,500' +/- PBTD.
27. POOH and LD BHA.
28. PU & RIH w/ 3-1/2" BPMAJ, perf sub, SN, and tubing.
29. NDBOP, NUWH
30. RIH w/ gas anchor, pump, and rods. Space out, hang on, load and test. Ensure good pump action. RDMO.

## Walls, Christopher

---

**From:** Trevino, Bart <btrevino@EnerVest.net>  
**Sent:** Tuesday, September 11, 2012 1:53 PM  
**To:** Walls, Christopher  
**Subject:** FW: Sundry Status Updates

Chris,

I passed your email on to that will be overseeing this operation and he has provided the information below to clarify the description for the frac stages.

Please let me know if we need to provide any further information.

Thanks,

Bart

**From:** Gilroy, Eric  
**Sent:** Tuesday, September 11, 2012 2:49 PM  
**To:** Trevino, Bart  
**Subject:** RE: Sundry Status Updates

Stage 1 set BP @ 8,200', perf and frac as follows:

7,965'-8,000'  
8,085'-8,100'  
8,170'-8,180'

Stage 2 set BP @ 7,900', perf and frac as follows:

7,390'-7,405'  
7,445'-7,447' (perfs already exist)  
7,690'-7,712'

Stage 3 set BP @ 7,300', perf and frac as follows.

6,920'-6,940'  
7,043'-7,045' (perfs already exist)  
7,141'-7,142' (perfs already exist)  
7,250'-7,270'

Let me know if this works.

**From:** Trevino, Bart  
**Sent:** Tuesday, September 11, 2012 1:52 PM  
**To:** Gilroy, Eric  
**Subject:** FW: Sundry Status Updates

Eric,

**Sharbro Federal 7**  
**30-025-35144**  
**Enervest Operating, LLC**  
**Conditions of Approval**

1. Surface disturbance beyond the originally approved pad must have prior approval.
2. Closed loop system required.
3. Operator to have H2S monitoring equipment on location as H2S has been reported from wells in the area.
4. Subsequent sundry with well test and wellbore schematic required.

**CRW 091812**

## DISTRICT I

1625 N French Dr., Hobbs, NM 88240  
Phone (575) 393-6161 Fax (575) 393-0101

## DISTRICT II

811 S First St., Artesia, NM 88210  
Phone (575) 748-1283 Fax (575) 748-9720

## DISTRICT III

1000 Rio Brazos Road, Aztec, NM 87410  
Phone (505) 334-6178 Fax (505) 334-6170

## DISTRICT IV

1220 S St. Francis Dr., Santa Fe, NM 87505  
Phone (505) 476-3460 Fax (505) 476-3462

HOBBS OGD

SEP 19 2012

RECEIVED

State of New Mexico  
Energy, Minerals & Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate  
District Office

AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-023-35144</b>	Pool Code <b>53817</b>	Pool Name <b>Sand Dunes, Delaware, East</b>
Property Code <b>305981</b>	Property Name <b>SHARBRO FEDERAL</b>	Well Number <b>7</b>
OGRID No. <b>143199</b>	Operator Name <b>ENERVEST OPERATING, LLC</b>	Elevation <b>3518'</b>

## Surface Location

UL or lot No. <b>3</b>	Section <b>7</b>	Township <b>23-S</b>	Range <b>32-E</b>	Lot Idn	Feet from the <b>1980</b>	North/South line <b>SOUTH</b>	Feet from the <b>660</b>	East/West line <b>WEST</b>	County <b>LEA</b>
---------------------------	---------------------	-------------------------	----------------------	---------	------------------------------	----------------------------------	-----------------------------	-------------------------------	----------------------

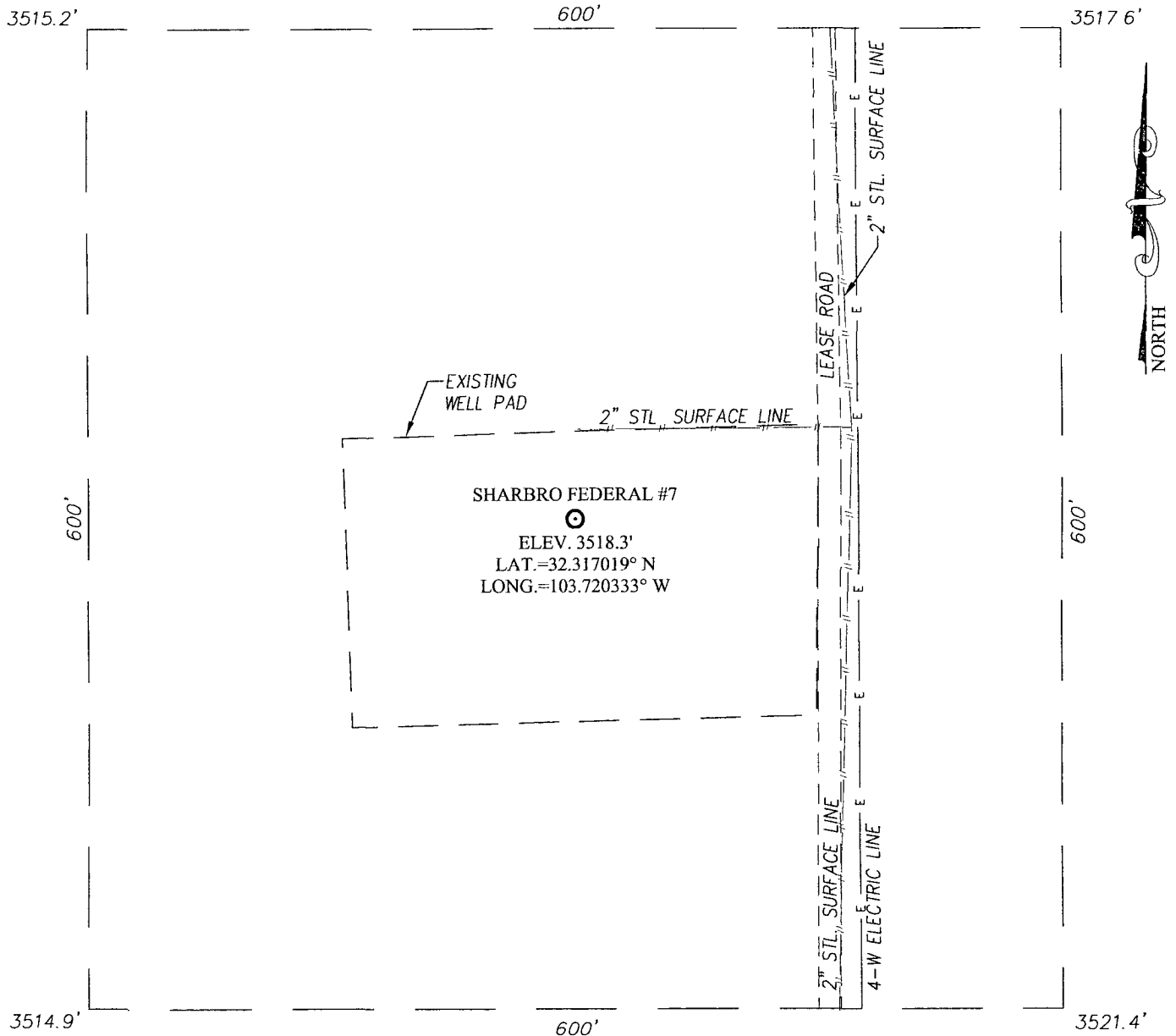
## Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <b>40</b>		Joint or Infill	Consolidation Code	Order No.					

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

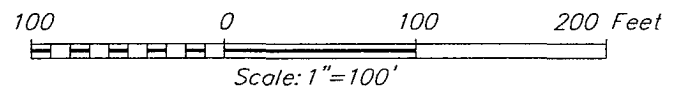
	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</p> <p>Signature: <u>[Signature]</u> Date: <u>8/29/12</u></p> <p>Printed Name: <u>BART TREVIN</u></p> <p>E-mail Address: <u>BTREVIN@ENERVEST.NET</u></p>	
	<p><b>SURVEYOR CERTIFICATION</b></p> <p>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</p> <p>AUGUST 7, 2012</p> <p>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p></p> <p>Certificate Number: Gary G. Eidson 12641, Ronald J. Eidson 3239</p> <p>DSS JWSC W O 12 11 1417</p>	
	<p><b>DETAIL</b></p> <p>3515.2' 3517.6'</p> <p>600' 600'</p> <p>3514.9' 3521.4'</p>	
	<p>45.96 AC</p> <p>2</p> <p>45.98 AC</p> <p>3</p> <p>660'</p> <p>SEE DETAIL</p> <p>45.98 AC</p> <p>4</p> <p>1980'</p> <p>46.00 AC</p>	

**SECTION 7, TOWNSHIP 23 SOUTH, RANGE 32 EAST, N.M.P.M.**  
LEA COUNTY NEW MEXICO



**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF ST HWY. #128 (JAL HWY.) AND CO. RD. #798 (RED RD.), GO NORTH ON CO. RD. #798 APPROX. 4.7 MILES. TURN RIGHT AND GO EAST ON CALICHE LEASE ROAD APPROX. 1.9 MILES. TURN RIGHT AND GO SOUTH APPROX. 0.8 MILES. TURN RIGHT AND GO WEST APPROX. 0.7 MILES. TURN RIGHT AND GO NORTH APPROX. 0.3 MILES TO THIS LOCATION.



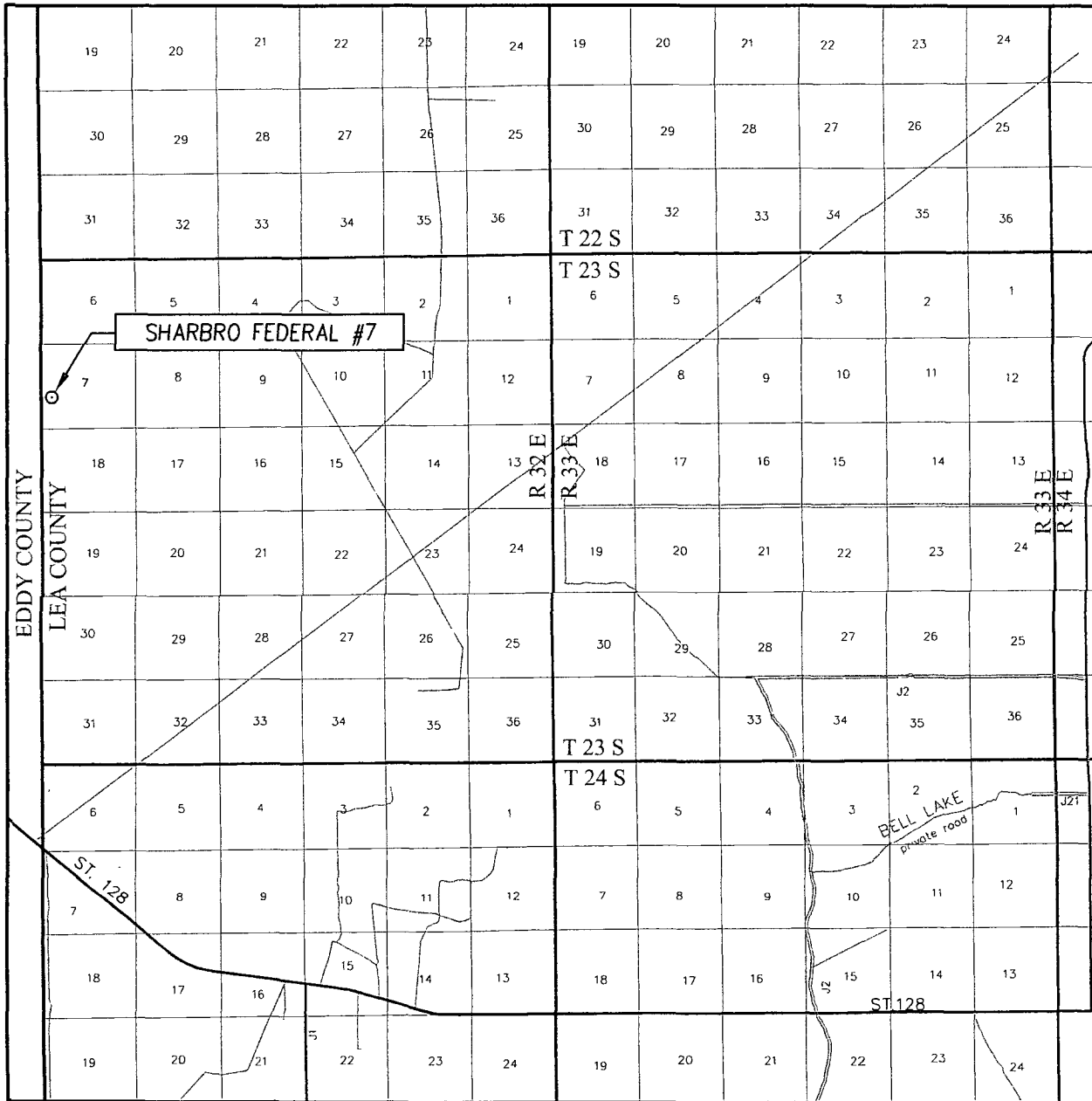
**ENERVEST OPERATING, LLC**

**SHARBRO FEDERAL #7 WELL**  
LOCATED 1980 FEET FROM THE SOUTH LINE  
AND 660 FEET FROM THE WEST LINE OF SECTION 7,  
TOWNSHIP 23 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO

PROVIDING SURVEYING SERVICES  
SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBS, N.M. 88240  
(575) 393-3117 [www.jwsc.biz](http://www.jwsc.biz)

Survey Date: 8/7/12	CAD Date: 8/23/12	Drawn By: DSS
W.O. No: 12111417	Rev:	Rel W.O.:
Sheet 1 of 1		

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 7 TWP. 23-S RGE. 32-E

SURVEY N.M.P.M.

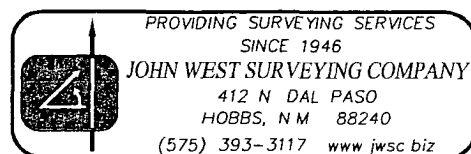
COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1980' FSL & 660' FWL

ELEVATION 3518'

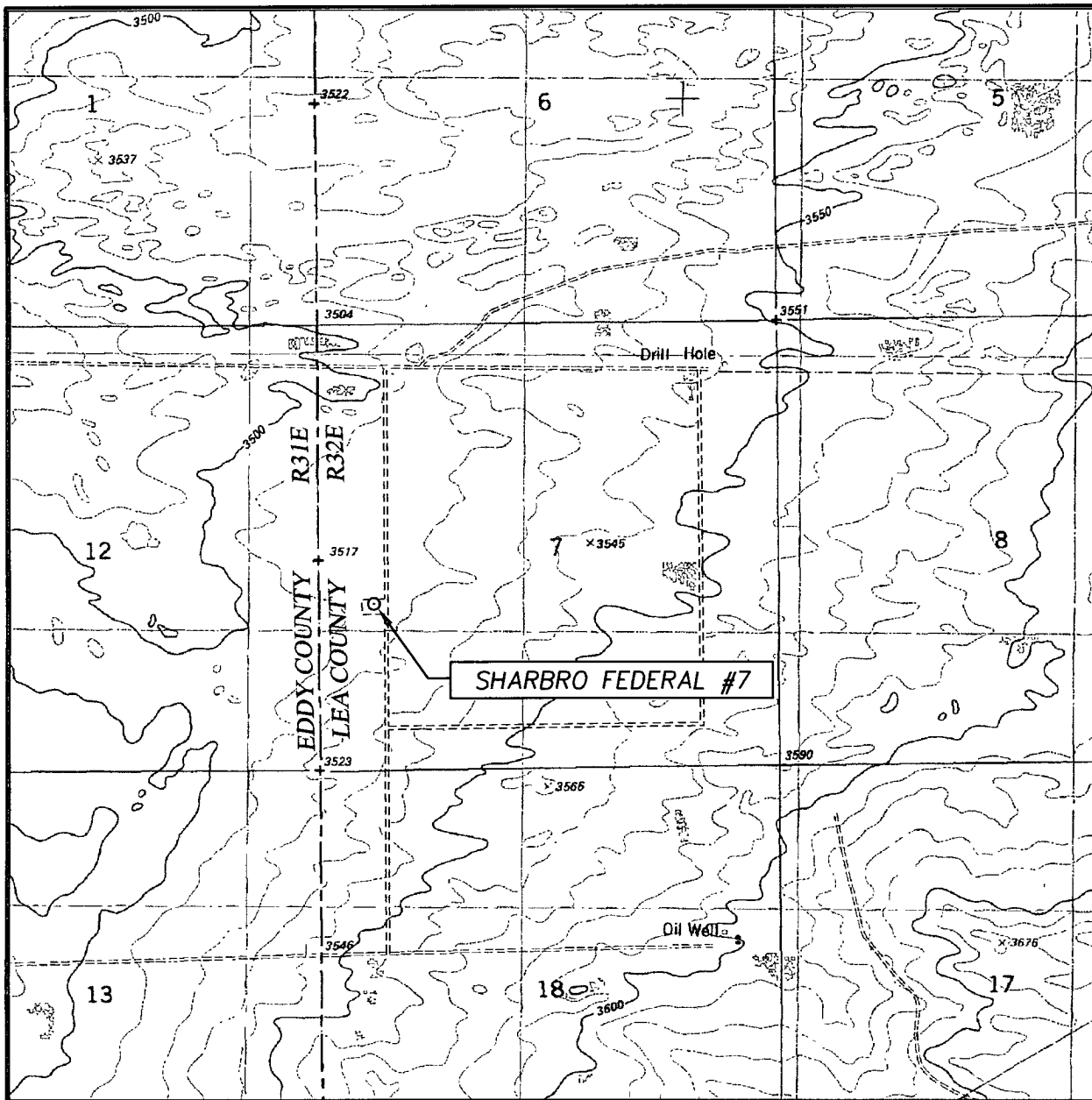
OPERATOR ENERVEST OPERATING, LLC

LEASE SHARBRO FEDERAL





# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
BOOTLEG RIDGE, N.M. - 10'

SEC. 7 TWP. 23-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1980' FSL & 660' FWL

ELEVATION 3518'

OPERATOR ENERVEST OPERATING, LLC

LEASE SHARBRO FEDERAL

U.S.G.S. TOPOGRAPHIC MAP  
BOOTLEG RIDGE, N.M.

