

**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  
Geology, Minerals and Natural Resources

Form C-103  
Revised March 25, 1999

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-025-29943
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: EUNICE MONUMENT SOUTH UNIT
8. Well No. 100
9. Pool name or Wildcat Monument/ Grayburg/San Andres

**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.)

1. Type of Well:  
Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
CHEVRON U.S.A., INC.

3. Address of Operator  
P.O. BOX 1150, MIDLAND, TX 79702

4. Well Location  
Unit Letter B : 660' feet from the North line and 2170 feet from the East line  
Section 30 Township 20S Range 37E NMPM County LEA

Elevation (Show whether DR, RKB, RT, GR, etc.)-  
3524.8 GL

11. 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 COMPLETION ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

This well is part of the New Mexico "P&A Pilot Project" conducted by Benterra Corporation to demonstrate the plugging and abandonment process using highly compressed sodium bentonite nodules as the plugging medium.

Tag btm @ 3618'

Bottom Plug @ 3514' - 3618' 14 cu ft Zonite  
B/Salt Plug @ 2380' - 2505' 17 cu ft Zonite  
T/Salt-Rustler-Shoe Plug @ 968' - 1130' 22 cu ft Zonite  
Surface Plug @ 3' - 33' 5 cu ft Zonite

Tagged Approved as to plugging of the Well Bore.  
Tagged Liability under bond is retained until  
Tagged surface restoration is completed.

Marker set. Chevron to clean location.

Plugging operations began 10/30/01 and ended 4/2/02. Wellbore diagram attached.

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

SIGNATURE J.K. Ripley / by Case Shoaff TITLE Regulatory OA DATE 4/30/02

Type or print name J.K. Ripley Telephone No. (915) 687-7148

(This space for State use)

APPROVED BY Harry W. Wink TITLE OC FIELD REPRESENTATIVE II / STAFF MANAGER DATE FEB 05 2003

Conditions of approval if any

GW Wink 3-6-03

**Final P&A  
Schematic**

WELL NAME: EMSU #100  
API NUMBER: 30-025-29943  
COORDINATES: 660' FNL & 2170' FEL  
SEC/TWN/RNG: S30-T20S-R37E  
DRILLED: 1987

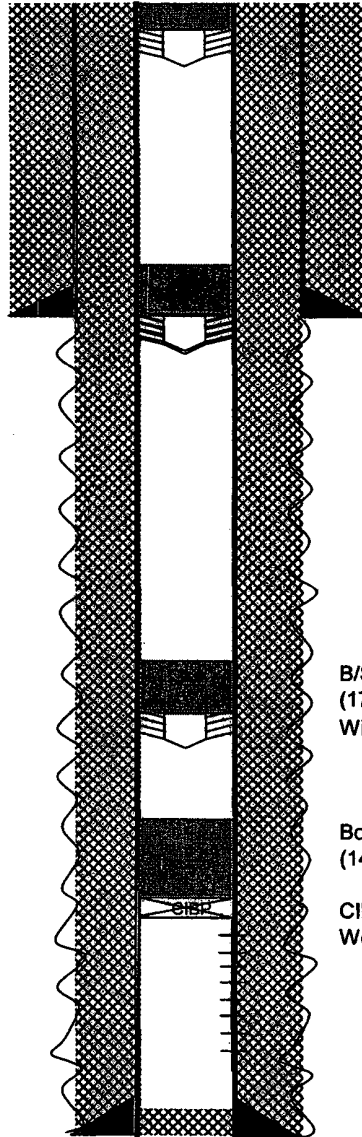
OPERATOR: Chevron  
COUNTY/STATE: Lea, NM  
DATE: 4/25/02  
BY: CRS  
ELEVATION: 3524.8' GL

KB 18.4'

Formation Tops:	
Fresh Water	50' - 150'
Rustler	1055'
T/Salt	1150'
B/Salt	2455'
Grayburg	3636' - 3856'

Casing Size 8 5/8" Wt. 24#  
Set @ 1081' w/ 700 sx cmt  
Cemented to Circ to surface

ZONITE PLUGS	
Surface Plug	3' - 33'
T/Salt-Rustler-Shoe	968' - 1130'
B/Salt Plug	2380' - 2505'
Bottom Plug	3514' - 3618'



Surface Plug 3' - 33' ( 5 cu ft Zonite)  
Wiper Plug @ 33'

T/Salt-Rustler-Shoe Plug @ 968' - 1130'  
(22 cu ft Zonite)  
Wiper Plug @ 1130'

B/Salt Plug @ 2380' - 2505'  
(17 cu ft Zonite)  
Wiper Plug @ 2505'

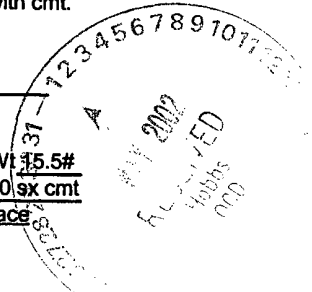
Bottom Plug @ 3514' - 3618'  
(14 cu ft Zonite)

CIBP @ 3620', not capped with cmt.  
Well failed MIT.

Perfs 3666' - 3884'

Casing Size 5 1/2" Wt. 15.5#  
Set @ 4000' w/ 750 sx cmt  
Circ to surface

PBTD @ 3938'  
TD @ 4000'



## Daily Operations Summary

<b>OPERATOR</b> Chevron U.S.A. Production Company			<b>DATE</b> See Below		
<b>LEASE &amp; WELL NUMBER</b> Eunice Monument South Unit #100			<b>COUNTY &amp; STATE</b> Lea, New Mexico		
<b>FIELD</b> Eunice – Monument			<b>FORMATION</b> Grayburg		
<b>TD</b> 4000'	<b>PBD</b> 3938'	<b>RKB</b> 18.4'	<b>PERF</b> 3666 – 3884'		
<b>SURFACE</b> 85/8" @ 1081'	<b>INTERMEDIATE</b>	<b>PRODUCTION</b> 5½" @ 4000'	<b>CIBP DEPTH</b> 3620'		
<b>OPERATOR CHARGE CODE</b>			<b>BENTERRA CHARGE CODE</b> NWNMR-00101-025		
<p>This well is part of the New Mexico "P&amp;A Pilot Project" conducted by Benterra Corporation to demonstrate the plugging and abandonment process using highly compressed sodium bentonite nodules as the plugging medium.</p>					
10/30/01					
<p>MIRU Benterra Unit #4. SIP = static. WIH w/ 3½" FLT to get water sample. Tag fluid @ 290' &amp; cont'd to 400'. POH – sample was all oil. Re-ran tool to 500', recovered water sample. Install WH &amp; RD Benterra. Baker Petrolite lab in Midland tested sample, chlorides = 450 PPM. Water suitable for ZONITE hydration.</p>					
11/2/01					
<p>MIRU Benterra Unit #4. SIP = static. Remove WH &amp; tag bottom @ 3618', OK. Poured 14 cu ft ZONITE, wait &amp; tag @ 3514'. Bottom plug set 3514 – 3618' (104') w/ 14 cu ft ZONITE as of 11:45 AM 11/2/01. Pushed 5½" wiper rubber to 2505'. Poured 17 cu ft ZONITE, wait &amp; tag @ 2380'. B/Salt plug set from 2380' – 2505' (125') with 17 cu ft ZONITE as of 2:25 PM 11/2/01. Pushed 5½" wiper rubber to 1130'. Poured 14 cu ft ZONITE, wait &amp; tag @ 1028'. Install WH &amp; SD for weekend.</p>					
11/5/01					
<p>Resume operations. Poured 8 cu ft ZONITE, wait and tag @ 968'. T/Salt – Rustler - 85/8" shoe plug set 968' – 1130' (162') with 22 cu ft ZONITE as of 8:25 AM 11/5/01. Pushed 5½" wiper rubber to 33'. Poured 5 cu ft ZONITE &amp; filled 5½" csg to surface. Top plug in place as of 9:05 AM 11/5/01. Left wellbore open to atmosphere. RD Benterra.</p>					
11/21/01					
<p>Wellbore open to atmosphere. No free water but top of plug still hydrated. Added 1 gal water, level now even w/ side outlets. No bubbling.</p>					
12/10/01					
<p>Water visible on top plug, no bubbling.</p>					

12/19/01

Water visible on top plug, no bubbling.

1/16/02

Check location – filled with ½ gal water, no bubbling.

1/17/02

Check location – no bubbling.

2/20/02

Check location - no problems.

3/14/02

Check location - no problems.

3/18/02

Check location - top of plug dehydrated, add 1 qt of water – no bubbling.

4/2/02

Key Energy Services dug out cellar and cut off casings and WH to 4' below GL. Placed 10 gals ZONITE into 85/8" x 5½" annulus and welded on cap with ½" brass valve. Installed dry hole marker with well identification, dug out guywire anchors and cut off at 4' below GL. Back filled all excavations. Turned over to ChevronTexaco for location clean up and NMOCD inspection. Final report.

