

Submit 3 Copies 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  
Bureau of 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.

30-025-29621

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

EUNICE MONUMENT SOUTH UNIT

8. Well No. 461

9. Pool name or Wildcat EUNICE  
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 WSW ☐

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 I : 1540 feet from the SOUTH line and 1305 feet from the EAST line

Section 9

Township 21S

Range 36E

NMPM

County LEA

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

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.**

Bottom Plug @ 4051' - 4159' 36 cu ft Zonite Tagged

B/Salt & Shoe Plug @ 2549' - 2718' 57 cu ft Zonite Tagged

Rustler Plug @ 1325' - 1425' 38 cu ft Zonite Tagged

Shoe/FW Plug @ 308' - 418' 38 cu ft Zonite Tagged

Top Plug @ 3' - 33' 11 cu ft Zonite

Set marker. Chevron to clean location.

Plugging operations began 11/6/01 and were completed 9/23/02.

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

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

SIGNATURE

*G. Bledsoe*

TITLE HES Specialist

DATE

10/10/2002

Type or print name

Garland Bledsoe

Telephone No. (915) 687-7153

(This space for State use)

APPROVED BY

*Gary W. Wink*

TITLE

FEB 05 2003

Conditions of approval, if any:

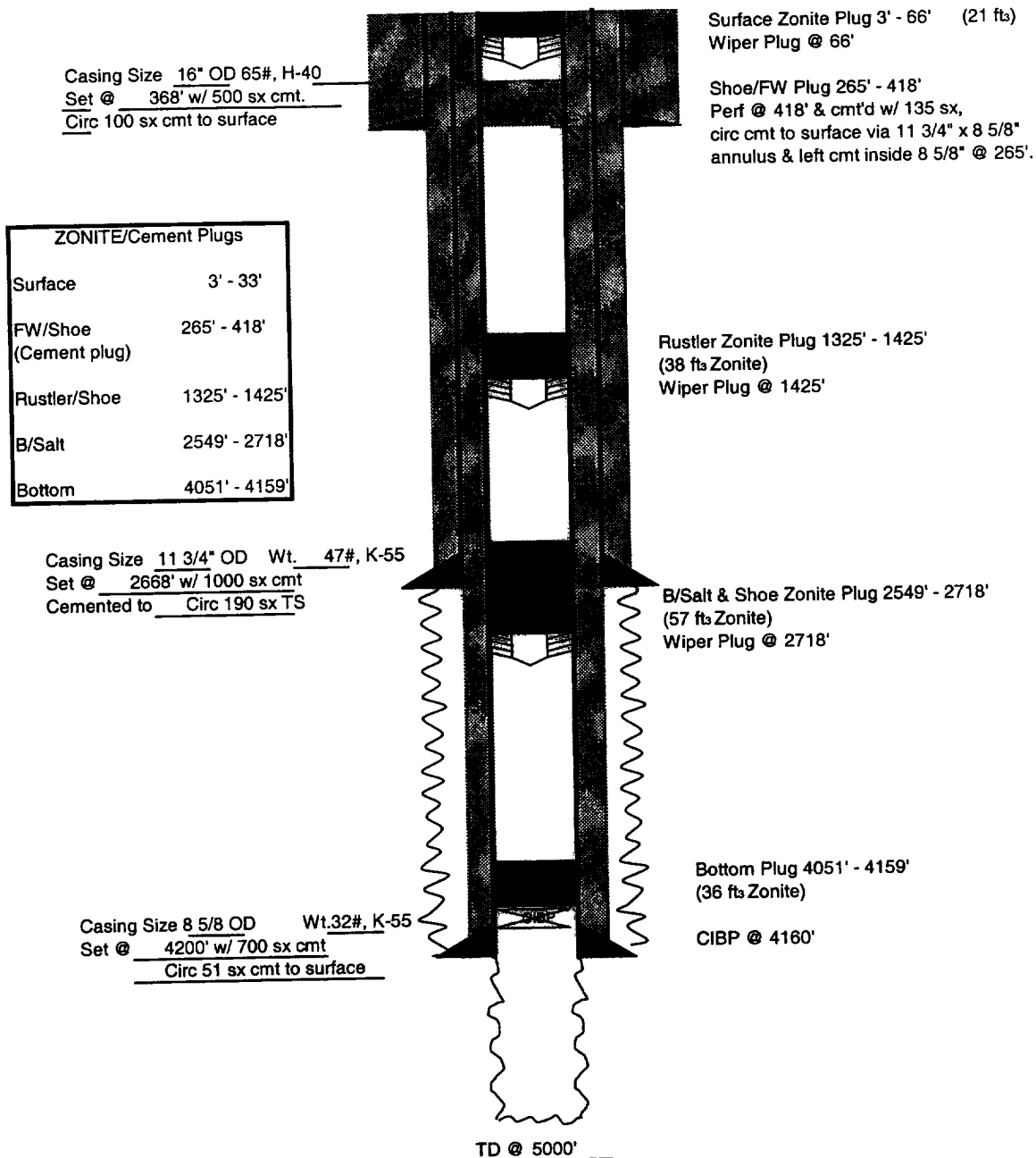
OC FIELD REPRESENTATIVE II/STAFF MANAGER

GWW

WELL NAME: Eunice Monument South Unit #461-WSW  
API NUMBER: 30-025-29621  
COORDINATES: 1540' FSL & 1305' FEL  
SEC/TWN/RNG: Sec 9 - T21S - R36E  
DRILLED: 1986

OPERATOR: Chevron  
COUNTY/STATE: Lea, NM  
DATE: 10/8/02  
BY: DCD/CRS  
ELEVATION: \_\_\_\_\_

KB 18' GL





CORPORATION

## 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 #461			<b>COUNTY &amp; STATE</b> Lea, New Mexico		
<b>FIELD</b> Eunice – Monument South			<b>FORMATION</b> Grayburg		
<b>TD</b> 5000'	<b>PBD</b> 4160'	<b>RKB</b> 18'	<b>PERFS</b> OH 4200 – 5000'		
<b>SURFACE</b> 16" @ 368'	<b>INTERMEDIATE</b> 11 3/4" @ 2668'	<b>PRODUCTION</b> 85/8" @ 4200'	<b>CIBP DEPTH</b> 4160'		
<b>OPERATOR CHARGE CODE</b>			<b>BENTERRA CHARGE CODE</b> NWNMR-00101-024		
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.					
11/6/01					
MIRU Benterra Unit #4. Made trip w/ 3 1/2" FLT to 1000', no fluid in tool. Re-run to 4100', FL @ 3800'. RD Benterra. Water sample taken to Baker Petrolite for chloride test. Baker reported chloride level @ 1640 PPM, which is acceptable for ZONITE placement.					
11/20/01					
MIRU Benterra Unit #4. SIP = slight blow. Remove WH. WIH w/ SB & tag btm @ 4159', OK. Poured 36 cu ft ZONITE, wait & tag @ 4051'. FL @ 1600'. Bottom plug set 4051' – 4159' (108') w/ 36 cu ft of ZONITE as of 4:05 PM 11/20/01. Pushed 85/8" wiper rubber to 2718'. Poured 35 cu ft ZONITE. Install WH & SDON.					
11/21/01					
MIRU Benterra Unit #4. Remove WH. Poured 22 cu ft ZONITE & gravity fed 25 bbls freshwater into well. Tag top of plug @ 2549'. B/salt – 11 3/4" csg shoe plug set 2549' – 2718' (169') w/ 57 cu ft of ZONITE as of 10:00 AM 11/21/01. Pushed 85/8" wiper rubber to 1425'. Poured 38 cu ft ZONITE, wait & tag @ 1315'. T/Salt – Rustler plug set 1315' – 1425' (110') w/ 38 cu ft of ZONITE as of 10:55 AM 11/21/01. Pushed 85/8" wiper rubber to 418'. Poured 38 cu ft ZONITE, wait & tag @ 308'. Freshwater – 16" csg shoe plug set 308' – 418' (110') w/ 38 cu ft of ZONITE as of 11:30 AM 11/21/01. Pushed 8 5/8" wiper rubber to 33'. Poured 11 cu ft ZONITE & filled 85/8" csg to surface. Top plug set as of 11:50 AM 11/21/01. Left wellbore open to the atmosphere. RD Benterra.					
12/10/01					
Check location - wellbore open to atmosphere, no water cover on top of ZONITE plug. No visible signs of leakage.					
12/19/01					
Check location – same status as on 12/10/01.					

1/14/02

Check location – added water to top of ZONITE plug, no bubbling.

1/28/02

Check location – added water to top of ZONITE plug, no bubbling.

2/20/02

Check location – no problems.

3/14/02

Check location – no problems.

3/18/02

Check location – water on top of ZONITE plug, no bubbling. Surface and intermediate casing risers are open and static.

4/9/02

Key Energy Services dug cellar to approximately 6' below GL. Obtained confined entry permit and checked LEL on 16" x 11¾" annulus (OK) and 11¾" x 85/8" annulus (too high to allow cutting). Fenced cellar, RD Key and suspended operations. Will let annulus "air out".

4/24/02

Obtained confined entry permit. Check LEL, still registering > 10%. RU Key pump truck to 11¾" x 85/8" to load annulus. Pumped total of 52 bbls fresh water before annulus filled to surface. Volume indicates that there is no cement in annulus to a depth of approximately 1150', which is below base of freshwater and 11¾" casing shoe. RD pump truck. Will discuss with NMOCD and ChevronTexaco reps and develop plan for completion of P&A. (Note: Chevron's records indicated that 190 sx cement had been circulated to pit from this annulus when well was drilled.)

4/26/02

Discussed findings with Billy Prichard w/ NMOCD, who was relieving Gary Wink. Billy recommended and Bentera concurred with cleaning out wellbore to 418' = 50' below 11¾" shoe, perforating and circulating cement to surface on the 11¾" x 85/8" annulus. Billy also approved setting the top plug with ZONITE™ highly compressed sodium bentonite. Discussed plan with Tom Sebastain of ChevronTexaco and he concurred with procedures.

5/1/02

Key Energy Services completed additional excavation and sloping of walls as requested by Tony Aguilar with ChevronTexaco.

5/2/02

Obtained confined entry permit. Re-installed risers to surface from 16" x 11" and 11" x 85/8" annuli. RU Key pump truck both annuli loaded immediately and tested to 200 psi, OK. RD pump truck and Key Energy services back filled cellar area. RD Key.

5/6/02

MIRU Key Unit #309. MIRU ABC Rental Tool reverse unit. Installed Chevron's flange and adapter spool back to 6" - 600. WIH w/ 77/8" MT bit on 1 jt 23/8" tbg. Drilled out top plug from 0 - 33' in 2½ hours. Most drilling was with reverse circulation but also tried conventional circ, high circ rates of 3 - 4 BPM and low circ rates at 1 BPM. Penetration and cleaning seemed best with reverse circ at 1¾ BPM. Pump press was 0 psig during operation. Circ hole clean and WIH with bit, pushed wiper rubber to top of next plug at 325'. Resumed drilling on wiper rubber - penetration rate appeared to be about the same as drilling the top plug - too slow. POH with bit, bearings on one cone very loose and unfit to rerun. Plan to pick up new bit and add six 4¾" OD collars to string in AM. SDON.

5/7/02

Resumed operations. PU and WIH w/ replacement 77/8" bit and 6 - 4¾" drill collars on 23/8" tbg to 325'. RU power swivel and pump, drilled out ZONITE from 325' - 425' and pushed bottom wiper rubber to 563'. Circ hole clean and test casing to 300 psi, held OK. POH w/ bit, LD tbg, drill collars and bit. RU Key WL. WIH w/ gun and perfed @ 418' with 4 - .42" shots at 120° phasing. RD Key WL. Install wellhead cap, pumped down casing and was able to circulate out 11¾" x 85/8" annulus. Pumped total of 10 bbls at 4 BPM and 200 psi. Closed in well and RD Key #309.

5/10/02

RU Key pump and vac trucks. Circulated down 85/8" casing and out 11¾" x 85/8" annulus with 100 bbls fresh water to confirm that annulus was clear and no problems should be encountered during cementing operation. All water pumped at 4 BPM and 200 psi, no problems. RD trucks and left well closed in.

5/14/02

MIRU Schlumberger and Key water truck. Established circ down 85/8" and out 11¾" x 85/8" annulus with 10 bbls fresh water - good circulation and no communication to 16" x 11¾" annulus. Mixed and pumped 135 sx Class C "neat" cement and displaced with 18 bbls fresh water. Did not wash up prior to pumping displacement - expect top of cement inside casing to be at approximately 265'. Had good circulation throughout job and circ 20 sx cmt to pit. SWI. Fresh water - 11¾" shoe plug in place at 11:20 AM 5/14/02. Schlumberger washed up lines and RD. WOC.

5/15/02

MIRU Benterra #4. SIP = static on casing and risers. Removed WH and pushed 85/8" wiper rubber to 66'. Poured 4 cubic feet ZONITE, wait and tagged @ 205', wiper rubber has fallen and plug out of place. Assuming approximately 14' of fill-up by ZONITE and the wiper rubber, the estimated TOC inside the casing is 219' (depths are not corrected for RKB). Ran replacement wiper rubber to 66', poured 21 cubic feet of ZONITE and filled casing to within 6' of GL (approximate cut-off point). RD Benterra and left wellbore open to atmosphere.

9/23/02

Cut off casings and WH to 6' below GL. Welded cap onto casing and installed dry hole marker with well identification. Dug out and cut off guywire anchors to 4' below GL. Back filled all excavations. Turned over to ChevronTexaco for location cleanup and NMOCD inspection. Final Report