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1625 N. French Dr., Hobbs, NM 88240

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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised March 25, 1999

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. 30-025-04936
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other TA'd		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Chevron U.S.A. Inc		6. State Oil & Gas Lease No.
3. Address of Operator P. O. Box 1150, Midland, TX 79702		7. Lease Name or Unit Agreement Name: Harry Leonard (NCT) C
4. Well Location Unit Letter B : 660 feet from the North line and 1980 feet from the East line Section 36 Township 21S Range 36 NE NMPM County LEA		8. Well No. 9
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3500' GR		9. Pool name or Wildcat Eumont; Yates-7 Rivers-Queen

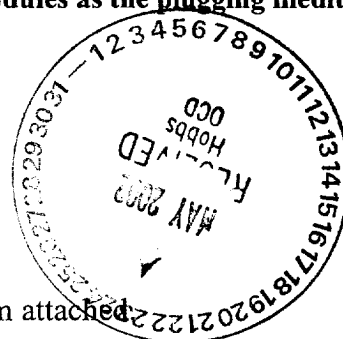
11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: <input type="checkbox"/>

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 recompletion.

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 @ 2825' - 2860'	5 cu ft ZONITE
B/Salt Plug @ 2485' - 2557'	14 cu ft ZONITE
T/Salt-Rustler Plug @ 1124' - 1225'	14 cu ft ZONITE
FW/Csg Leak Plug @ 206' - 660'	63 cu ft ZONITE
Top Plug @ 0' - 30'	2 cu ft ZONITE
Packed annulus with ZONITE	

Tagged
Tagged
Tagged
Tagged



Set Marker. Chevron to clean location.

Plugging operations began 8/29/01 and were completed on 4/23/02. Wellbore diagram attached.

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

SIGNATURE Garland Bledsoe TITLE HES Specialist DATE 5/23/02

Type or print name Garland Bledsoe Telephone No. (915)687-7153

(This space for State use)

APPROVED BY Garland Bledsoe TITLE COMPLIANCE OFFICER DATE JUL 11 2002
Conditions of approval, if any:

GWW

Daily Operations Summary

OPERATOR Chevron U.S.A. Production Company			DATE See Below		
LEASE & WELL NUMBER Harry Leonard (NCT-C) #9			COUNTY & STATE Lea, New Mexico		
FIELD Eumont			FORMATION Yates Seven Rivers Queen		
TD 3775'	PBD 2860'	RKB 7'	PERFS 2911' - 3346'		
SURFACE 85/8" @ 267'	INTERMEDIATE	PRODUCTION 5 1/2" @ 3775'	CIBP DEPTH 2860' (no cmt cap)		
OPERATOR CHARGE CODE UWPWBA1033ABN			BENTERRA CHARGE CODE NWNMR-00101-017		

8/29/01

MIRU Benterra Unit #4. Removed WH and installed hydraulic well control valve. WIH w/ 2" SB and tagged btm @ 2852'. POH w/ WL, line "birdcaged" while pulling, had to cut-off approx 120' of line. Poured approx 5 ft³ of ZONITE (35' cap on CIBP). WIH w/ 3 1/2" sinker bar to tag plug, bar stopped at 2611' and was immediately stuck. Unable to free bar. Elected to cut line and leave fish in hole. Wait 3 hours for Lightfoot Wireline with Kinley cutter. RU SL truck and WIH with cutter on wireline, riding Benterra's WL down to fish. Cutter stopped at 2566' per Lightfoot's measurement = 45' above fish. Cut line and POH with both WL's. RD Lightfoot, recovered Kinley cutter. Discussed with E. L. Gonzalez w/ NMOCD and he approved continuing to plug well without attempting to fish lost equipment and instructed that a 50' ZONITE plug be placed above the fish. WIH w/ Benterra WL and tagged at 2557'. POH w/ WL and SDON.

Fish in Hole: Cold-rolled, solid steel sinker bar, 7' long x 3.5" OD and weighs approx 230#. Bottom of bar is "mule-shoed". Additionally, there is 45' - 55' of 3/16" wireline on top of bar.

Operations witnessed by E. L. Gonzalez of the NMOCD.

8/30/01

WIH w/ WL and re-tag top of fish at 2557'. Poured approx 7 ft³ of ZONITE, wait & tag at 2521'. Poured additional 7 ft³ of ZONITE, wait and tag at 2485' = 72' plug above top of fish and serves as B/Salt isolation. B/salt plug set from 2485' - 2557' w/ approx 14 ft³ of ZONITE as of 11:00 AM 8/30/01. WIH w/ 5 1/2" wiper plug, pushing w/ 2" SB. In three hours only able to push to 348'. New 3 1/2" sinker bar arrived on location. New sinker bar has flat bottom rather than mule-shoe. Worked wiper plug down from 348 - 570' in 2 hrs, still very slow progress. SDON and decided to have new sinker bar mule-shoed for use tomorrow.

Operations witnessed by E. L. Gonzalez of the NMOCD.

8/31/01

RIH w/ mule-shoed 3.5" sinker bar and pushed plug to 1225' in 30 minutes. Dropped 22 linear ft of ZONITE and tagged at 1203'. Dropped 67 linear ft of ZONITE and tag at 1136'. Dropped add'l ZONITE to complete 100' plug and tagged top at 1124', this plug is at the Rustler and serves as the T/Salt isolation. Pushed 5 1/2" rubber wiper plug to 660' (found fluid level at 105'). Dumped approx 63 ft³ of ZONITE in 5 stages and tag top of plug at 206', this plug is across the 8 5/8" csg shoe at 267' and extends down past bad casing that was reported from 349 - 609'. Removed well control valve. Pushed 5 1/2" wiper rubber to 30'. Filled csg w/ ZONITE from 30 - 0', fluid running over but dropped below surface level after ZONITE placed. Will re-hydrate on 9/4/01. RD Benterra equip and SD for weekend and Labor Day holiday. Well will remain as-is until authorized to cut-off wellheads and complete abandonment.

Operations checked by Billy Prichard w/ NMOCD during morning.

8/31/01 - Discussion w/ NMOCD

Plugging procedures attached to the approved C-103 stated that 170' top plug would be set. This was discussed in a meeting w/ Chris Williams and Paul Kautz on 8/14/01 and it was agreed that only a 30' plug was required; there was no benefit to extending this plug to below the TOC on the 5½", which was @ 120' by TS. This procedural change was not made to the final C-103 that was submitted and approved, therefore Gary Wink w/ the NMOCD was called and verbal permission received to place only a 30' top plug.

9/4/01

Filled wellbore w/ freshwater – required less than 1 bbl. Fluid seems to still be dropping slowly.

9/5/01

Filled wellbore w/ freshwater – required less than 1 bbl and appears to be holding steady.

9/6/01

Wellbore remaining full with no additional water added.

10/4/01

Wellbore open to atmosphere. Water is at base of WH and ZONITE 6" below fluid. No bubbling or indication of gas migration.

10/5/01

Open to atmosphere. Top of plug is dehydrated. Add > qt water. No bubbling. Water level just above ZONITE.

10/22/01

Wellbore open to atmosphere. Top of plug dehydrated. Add +/- 1 pt of FW. No bubbling. FL just below bottom flange of wellhead.

10/26/01

Wellbore open to atmosphere. Added water to cover top of ZONITE, no bubbling. Water level is now at at ID reduction near base of WH.

11/15/01

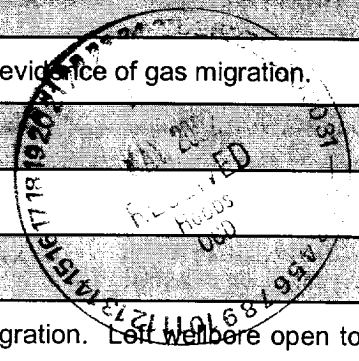
Wellbore open to atmosphere. Water present on top of plug, no bubbling or evidence of gas migration.

12/10/01

ZONITE plug visible, no water cover but no evidence of any problems.

12/19/01

Added ½ gal water to cover top of plug, no bubbling or evidence of gas migration. Left wellbore open to atmosphere.



1/28/02

Add water to cover top of plug, no bubbling. Left open to atmosphere.

2/20/02

Check location – no problems.

3/14/02

Check location – no problems.

3/18/02

Check location – water on plug, no bubbling. Surface pipe open and static.

3/22/02

Benterra #4 loaded 85/8" x 5½" annulus to prep for wellhead cut-off.

4/23/02

Key Energy Services dug out cellar and cut off wellhead and casings to 4' below GL. Welded on cap (no valve installed per ChevronTexaco) and installed dry hole marker w/ well identification. Dug out and cut off guywire anchors to 4' below GL. Back-filled all excavations. Turned over to ChevronTexaco for location clean up and NMOCD inspection. Final Report.

Note: recovered 22" piece of 5½" casing with bentonite plug encapsulated. Used Saran Wrap to cover ends of pipe to prevent dehydration. Sent to CORE Labs in Houston to test plug for permeability and report to NMOCD. Hydraulic perm measured @ 1.30×10^{-4} md. Also, took pictures of top of plug inside 5½" casing before welding on cap.



**Final P&A
Schematic**

Well Name: Harry Leonard (NCT) C #9
API Number: 30-025-04936
Coordinates: 660 FNL & 1980' FEL Unit B
S - T - R 36 - 21S - 36E
County / State: Lea, NM
Drilled: 1956

Operator: Chevron
Field: Eunice South
Date: 5/23/02
By: CRSMCB

RKB = 7'

Top Plug 0' - 30'
2 cu ft ZONITE
Wiper Plug @ 30'

FW/Csg Leak Plug @ 206' - 660'
63 cu ft ZONITE
Wiper Plug @ 660'

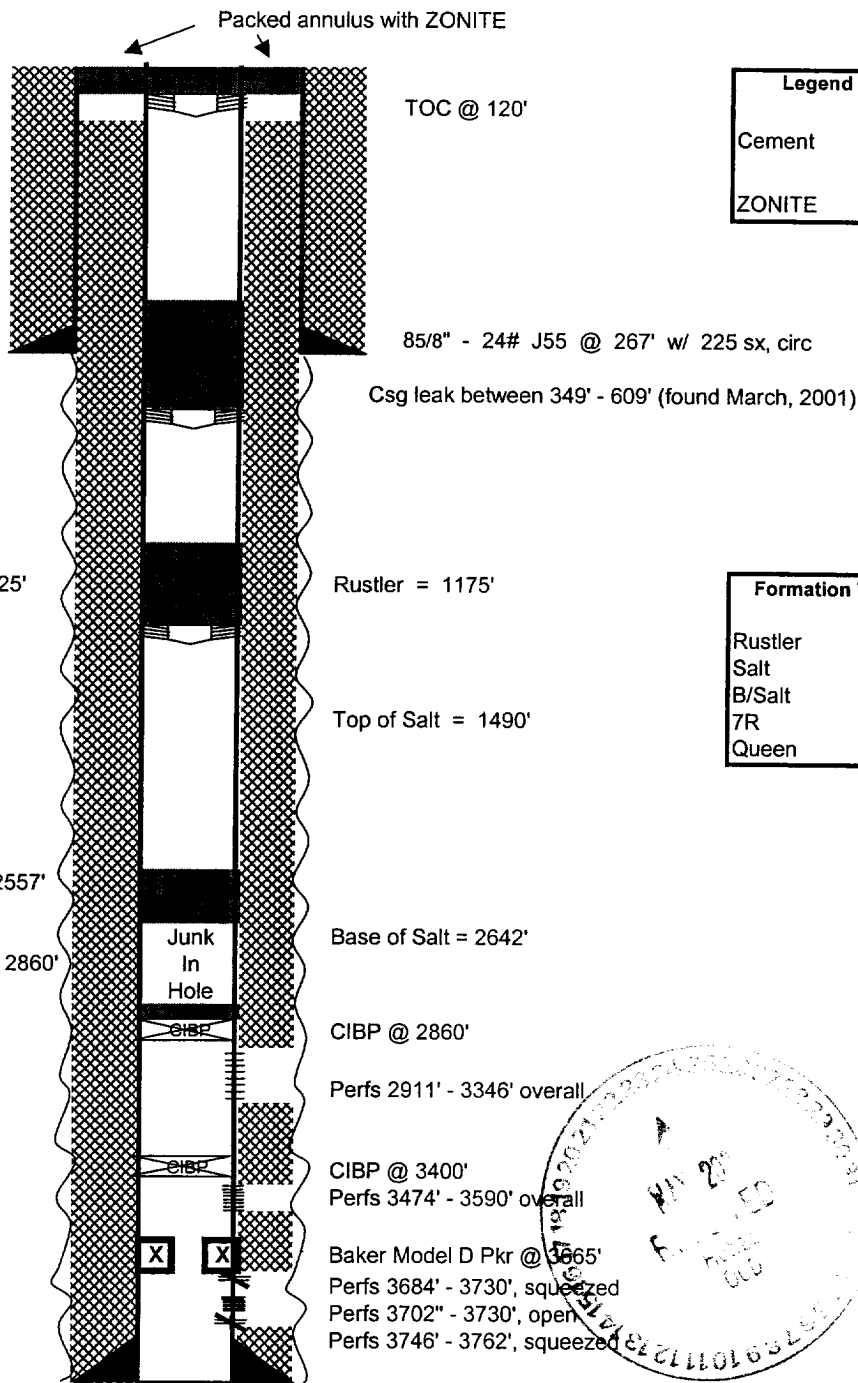
T/Salt-Rustler Plug @ 1124' - 1225'
14 cu ft ZONITE
Wiper Plug @ 1225'

B/Salt plug @ 2485' - 2557'
14 cu ft ZONITE

Bottom Plug @ 2825' - 2860'
5 cu ft ZONITE

ZONITE Plugs

0' - 30'	Top Plug
206' - 660'	FW/Csg Leak
1124' - 1225'	Rustler
2485' - 2557'	B/Salt
2825' - 2860'	Bottom Plug



Legend	
Cement	
ZONITE	

Formation Tops	
Rustler	1175'
Salt	1490'
B/Salt	2642'
7R	3357'
Queen	3654'

51/2" - 14# J55 @ 3775' w/ 1375 sx, TCO = 120' by TS

3775' TD

