Submit 3 copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-04757

5. Indicate Type of Lease STATE ☑ FEE ☐

6. State Oil / Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI (FORM C-101) FOR SUCH PROPOSALS.

7. Lease Name or Unit Agreement Name: HARRY LEONARD (NCT-A)

1. Type of Well: OIL WELL ☐ GAS WELL ☑ OTHER

2. Name of Operator: CHEVRON USA INC

8. Well No. 3

3. Address of Operator: 15 SMITH ROAD, MIDLAND, TX 79705

9. Pool Name or Wildcat: EUMONT YATES 7 RVRS QUEEN

4. Well Location

Unit Letter B : 660' Feet From The NORTH Line and 1980' Feet From The EAST Line

Section 22 Township 21-S Range 36-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT,GR, etc.)

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPERATION	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER:		ADD PERFS IN EUMONT	☑	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.

CHEVRON U.S.A. INTENDS TO ADD PERFS & FRAC STIMULATE IN THE SUBJECT WELL TO INCREASE PRODUCTION FROM THE EUMONT POOL. THIS WORK WILL ADD PAY IN THE YATES & SEVEN RIVERS FORMATIONS.

THE INTENDED PROCEDURE IS ATTACHED.

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

SIGNATURE Denise Leake TITLE Regulatory Specialist DATE 10/1/2002

TYPE OR PRINT NAME Denise Leake Telephone No. 915-687-7375

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY: TITLE FIELD REPRESENTATIVE II/ST. MANAGER DATE OCT 18 2002

DeSoto/Nichols 12-93 ver 1.0

Harry Leonard (NCT-A) #3 -- Add Perfs & Fracture Stimulation

API No.: 30-025-04757
Section: 22 **Township:** 21S **Range:** 36E
Surface Location: 660' FNL & 1980' FEL
Status: PR (1 BO, 3 BW, 98 MCF)

WBS No.: **UWPNM-R2096-EXP** **$107,350**
UWPNM-R2096-CAP **$ 9,765**
Total **$117,115**

PROCEDURE

1. MIRU rig. Bleed pressure from well, if any. POOH with ¾" rods. ND wellhead. NU BOPE and EPA Equipment. Test BOPE. POOH w/ 2-3/8" tubing.

2. PU 4 ¾" bit on workstring. Make bit run to COTD @ 3593'. POOH w/ bit.

3. RIH w/ RBP and set @ +/- 3450'. MIRU Baker Atlas. Run GR Log and tie into Radioactivity Log (Lane Wells) dated 9/15/51. Perforate with 3-1/8" slick guns loaded with 2 JSPF, 180 degree charges **and** 3 JSPF, 120 degree phased DP charges:

Top Depth	Bottom Depth	Total Footage	# Holes
2898	2903	5	15
2914	1917	3	9
2959	2964	5	15
3001	3005	4	12
3078	3083	5	15
3133	3136	3	9
3220	3224	4	8
3273	3277	4	8
3307	3310	3	6
3338	3343	5	10
3368	3372	4	8
3389	3392	3	6
	Total	48	**121**

4. RIH w/ 5½" packer, on/off tool with 1.78" F profile, and 3½" workstring. Hydrotest workstring and set packer at +/-2950. Acidize perfs 2898' – 3392' with **2000** gal 15% anti-sludge HCl acid at **5 bpm** and **5500 psi** max treating pressure. Drop 150 – **1.3 sp. gr.** 7/8" ball sealers evenly distributed throughout job. Displace acid with brine water. Do not overdisplace. Record ISIP, 5, 10, & 15 minute SIP's.

5. Swab well to recover load. Record recovered volumes, pressures, & fluid levels.

6. Unset packer, RIH to knock off any set ball sealers. Reset packer @ +/- 2950'. Install frac head. Prep to frac.

7. MIRU Schlumberger. If possible, have Rita Dickey on location to QC frac fluids.

8. Hold pre-job safety meeting. Pressure test lines to 7000 psi. Pressure annulus to 500 psi. Set safety pop-off to recommended pressure (preferably 6500 psi). Connect pressure recorder to annulus and monitor pressure during treatment.

9. **Perform Fracture Treatment:**
   Frac down 3½" tubing @ 45 BPM and 6500 psi maximum surface pressure as per Schlumberger design (see attachments):

10. Flush to top of perforated interval. Do not overflush. Record ISIP. Record 5, 10, & 15 minute SI pressures. Do not force close well. Shut well in overnight to allow for proper gel breaking. RD Schlumberger.

11. Flowback until well cleans up. If well flows **significant** gas, set plug in profile, release on/off tool, and POOH with workstring. RIH with 2-3/8" tubing and displace annulus with packer fluid. ND BOPE. NU wellhead. Pressure test tubing, wellhead, and casing. RIH and swab FL in tubing until differential across plug is balanced. Retrieve plug & swab well to initiate flow (if needed). RDMO rig. Skip 12-15.

12. If well does not flow, swab well to recover load. Record recovered volumes, pressures, & fluid levels.

13. Release pkr and POOH w/ pkr and workstring. RIH with workstring and circulate well clean using air unit(s) if necessary. POOH w/ workstring and retrieve RBP.

14. RIH w/ 4 ¾" bit and cleanout fill to PBTD @ 3708'. POOH w/ bit and workstring.

15. RIH w/ production tubing. ND BOPE. NU wellhead. RIH w/ rods and pump. Space out well. RDMO rig. (Artificial lift design will be done by the field.)

16. **Displace flowline with fresh water. Have Field Specialist close valve at header. All polypipe (SDR7 and SDR11) will be tested w/100 psi. All steel lines will be tested w/500 psi. If a leak is found, contact Larry Williams for repair or replacement. If test is good, bleed off pressure and open valve at header.**

Engineer: Michael R. Villalva
915-687-7250

CURRENT WELL DATA SHEET

Field: Eumont **Well Name:** Harry Leonard NCT-A #3
Location: 660' FNL & 1980' FEL **Sec:** 22 **Township:** 21S **Range:** 36E
County: Lea **St:** New Mexico **Refno:** FA5897 **API:** 30-025-04757 **Cost Center:** UCU315200
Current Status: Producing - Rods **Anchor Test Date:** 9/19/2000
Current Producing Formation(s): Queen-Penrose
Initial Producing Formation(s): Grayburg

Surface Csg.

Size:	16"
Wt.:	70#
Set @:	31'
Sxs cmt:	30
Circ:	Yes
TOC:	Surface

Surface Csg.

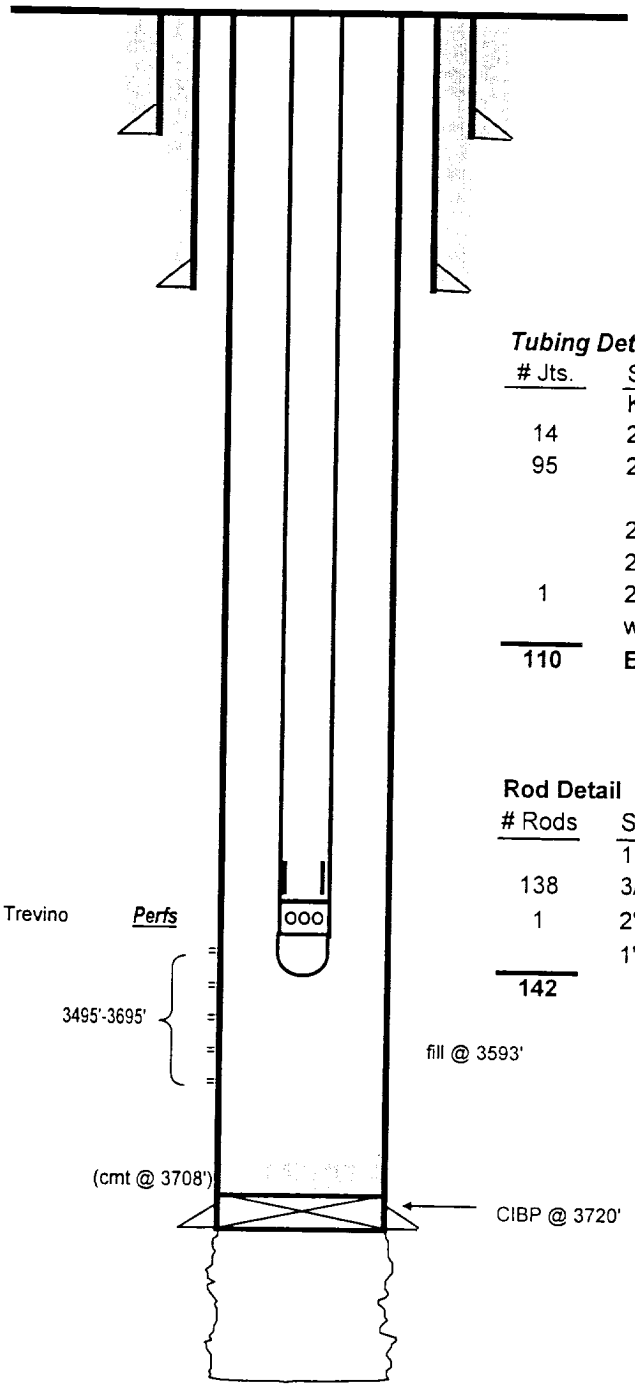
Size:	7 5/8"
Wt.:	22#
Set @:	1442'
Sxs cmt:	700
Circ:	Yes
TOC:	Surface
Hole Size:	9 7/8"

Production Csg.

Size:	5 1/2"
Wt.:	17#
Set @:	3760'
Sxs Cmt:	175
Circ:	No
TOC:	2610' by TS
Hole Size:	6 3/4"

COTD:	3593'	9/25/00 Trevino
PBTD:	3708'	
TD:	3895'	

Yates	2845
Yates MP	2980
7 Rivers	3137
Queen	3495
Penrose	3630



KB:
DF:
GL:
Spud Date: 9/30/1936
Compl. Date: 11/6/1936

Tubing Detail **9/25/2000**

# Jts.	Size	Footage
	KB Correction	6.50
14	2 3/8" J-55 8rd	442.70
95	2 3/8" H-40 10rd	3061.41
	x-over collar	
	2 3/8" IPC	1.10
	2 3/8" Perf Sub J-55	4.10
1	2 3/8" MAJ J-55 w/ BPOB	32.75
110	**EOT >>>**	**3548.56**

Rod Detail **9/25/2000**

# Rods	Size	Footage
	1 1/2" Polish Rod	16.00
138	3/4" C Rods	3450.00
1	2"x1 1/2" Insert Pump	12.00
	1" Gas Anchor	
142		**3478.00**

Remarks: see Well History & Failure History tabs
fill @ 3600' (9/22/97)
fill @ 3641' (7/11/96)

Prepared by: MRV
Date: 9/23/2002
Updated by:

PROPOSED WELL DATA SHEET

Field: Eumont **Well Name:** Harry Leonard NCT-A #3
Location: 660' FNL & 1980' FEL **Sec:** 22 **Township:** 21S **Range:** 36E
County: Lea **St:** New Mexico **Refno:** FA5897 **API:** 30-025-04757 **Cost Center:** UCU315200
Current Status: Producing - Rods **Anchor Test Date:** 9/19/2000
Current Producing Formation(s): Yates-Seven Rivers-Queen
Initial Producing Formation(s): Grayburg

Surface Csg.
Size: 16"
Wt.: 70#
Set @: 31'
Sxs cmt: 30
Circ: Yes
TOC: Surface

Surface Csg.
Size: 7 5/8"
Wt.: 22#
Set @: 1442'
Sxs cmt: 700
Circ: Yes
TOC: Surface
Hole Size: 9 7/8"

Production Csg.
Size: 5 1/2"
Wt.: 17#
Set @: 3760'
Sxs Cmt: 175
Circ: No
TOC: 2610' by TS
Hole Size: 6 3/4"

COTD: 3593'
PBTD: 3708'
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Yates	2845
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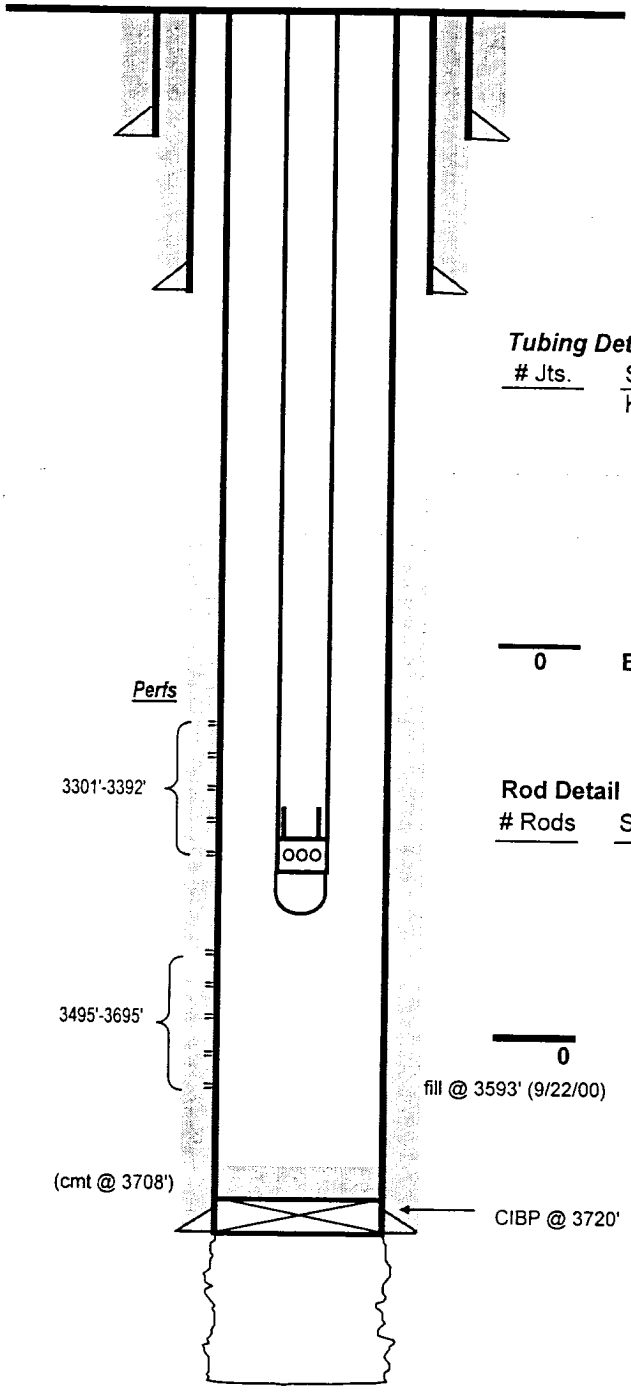

KB:
DF:
GL:
Spud Date: 9/30/1936
Compl. Date: 11/6/1936

Tubing Detail **9/25/2000**
Jts. Size Footage
KB Correction

0 **EOT >>>** 0.00

Rod Detail **9/25/2000**
Rods Size Footage

0 0.00

Remarks: see Well History & Failure History tabs
fill @ 3600' (9/22/97)
fill @ 3641' (7/11/96)

Prepared by: MRV
Date: 9/23/2002
Updated by: