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. 30-025-06363

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-F)

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: BRUNSON ELLENBURGER

4. Well Location

Unit Letter P : 660' Feet From The SOUTH Line and 660' Feet From The EAST Line

Section 2 Township 21-S Range 37-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT,GR, etc.) 3471' GL

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 & ACIDIZE	☑			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. INC. INTENDS TO ADD PERFS IN THE ELLENBURGER FORMATION & ACIDIZE.

THE INTENDED PROCEDURE & WELLBORE DIAGRAMS IS ATTACHED FOR YOUR APPROVAL.

RECEIVED
JUN 2003
Hobbs
OCD

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 6/24/2003

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

(This space for State Use)

APPROVED Gary W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE JUN 25 2003

CONDITIONS OF APPROVAL, IF ANY:

DeSoto/Nichols 12-93 ver 1.0

Harry Leonard (NCT-F) # 3
Brunson Field
T21S, R37E, Section 2
Job: Add Perfs In Ellenburger Formation And Acidize

Procedure:

1. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. AGU, EMSU, and EMSUB buried fiberglass lines will be tested with 300 psi. 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/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.

2. MI & RU pulling unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test to 1000 psi.

3. PU and GIH with 4 1/8" MT bit and 2 7/8" work string to 8160'. MI & RU foam unit(s). LD and drill out cement in 5" csg to TD at 8168'. Circulate well clean from 8168'. POH with 4 1/8" bit and work string. LD bit.

4. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct GR/CCL log from 8168' up to 6200'. POH. **Note: Run log flat with Schlumberger Electric Log dated 3/20/52. Fax log to Robert Martin ((915) 687-7267) for correlation and picking perfs.** GIH with 3 1/8" DP slick casing gun and perforate from 7950-58', 7970-82', 8060-64', and 8150-60' with 4 JSPF at 120 degree phasing, using 23 gram premium charges. POH. RD & release electric line unit. **Note: Exact perfs will be adjusted after conducting logs.**

5. PU and GIH w/ 5" RBP and pkr on 2 7/8" work string to approximately 8145'. Test tbg to 7500 psi while GIH.

6. MI & RU DS Services. Acidize perfs 7950-8160' with 6,400 gals anti-sludge 20% HCl acid * at a maximum rate of **1 BPM** and a maximum surface pressure of **6500 psi**. Spot acid to bottom of tbg at beginning of each stage. Pump job as follows:

Interval	Amt. Acid	Pkr Setting	RBP Setting
8150-60'	1000 gals	8143'	Swinging
8110-40'	1000 gals	8100'	8143'
8075-95'	1000 gals	8068'	8100'
8060-64'	400 gals	8053'	8068'
8000-50'	1000 gals	7990'	8053'
7970-82'	1000 gals	7962'	7990'
7950-58'	1000 gals	7930'	7962'

Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **Note: Do not pickle tbg due to the low BHP. Also, if communication occurs during treatment of any interval, move pkr to next setting depth and combine treatment volumes of the intervals.**

* Acid system is to contain:	1 GPT A264	Corrosion Inhibitor
	8 GPT L63	Iron Control Agent
	2 PPT A179	Iron Control Aid
	20 GPT U66	Mutual Solvent
	2 GPT W53	Non-Emulsifier

7. Release pkr and RBP and PUH to approximately 7900'. Set pkr at 7900' with RBP swinging. Swab back all intervals together. Recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: If productivity is unsatisfactory, Engineering will furnish additional stimulation procedures.**

8. Open well. Release pkr. POH with 2 7/8" work string, packer, and RBP. LD work string, pkr, and RBP.

9. PU and GIH w/ BP mud anchor jt of 2 3/8" tbg, 2 3/8" x 4' perforated sub, SN, 10 jts 2 3/8" EUE 8R J-55 tbg, TAC, and 251 jts 2 3/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 7775', with EOT at 8125' and SN at 8090'.

10. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release pulling unit.

11. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH
6/20/03

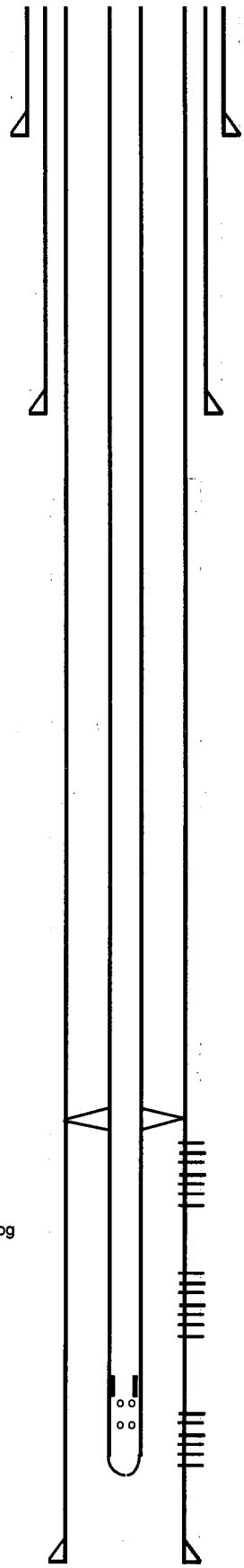
Well: **Harry Leonard (NCT-F) # 3** Field: **Brunson** Reservoir: **Ellenburger**

Location:
660' FSL & 660' FEL
Section: 2
Township: 21S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3471'
KB: 3484'
DF: 3483'

Current Wellbore Diagram

Well ID Info:
Refno: FA7479
API No: 30-025-06363
L5/L6: U850300
Spud Date: 2/6/52
Compl. Date: 3/26/52



Surf. Csg: 13 3/8", 54.5# H-40
Set: @ 285' w/ 350 sks
Hole Size: 17 1/2"
Circ: Yes **TOC:** Surface
TOC By: Circulated

Interm. Csg: 8 5/8", 32#, J-55
Set: @ 3084' w/ 2150 sks
Hole Size: 11"
Circ: No **TOC:** 1745'
TOC By: Temperature Survey

Tbg Detail:
BP @ 8123'
1 jt. 2 3/8" tbg
2 3/8" x 4' perf sub
SN @ 8087'
9 jts. 2 3/8" EUE 8R J-55 tbg
TAC @ 7800'
253 jts. 2 3/8" EUE 8R J-55 tbg

Perfs:	Status:
8000-50'	Ellenburger - Open
8075-95'	Ellenburger - Open
8110-40'	Ellenburger - Open

COTD: 8160'
PBTD: 8160'
TD: 8168'

Prod. Csg: 5", 18#, N-80
Set: @ 8167' w/ 975 sks
Hole Size: 7 7/8"
Circ: No **TOC:** 3225'
TOC By: Temperature Survey

Updated: 6/19/03 **By:** A. M. Howell

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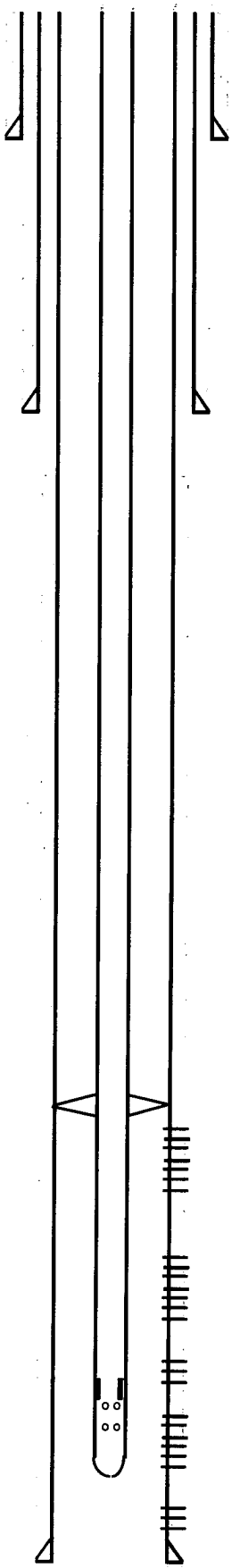
Proposed
Wellbore Diagram



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Updated: 6/19/03

By: A. M. Howell