

## DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

## DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

## State of New Mexico

## Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-101

Revised February 10, 1999

Instructions on back

Submit to Appropriate District Office

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☐ AMENDED REPORT

## APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address CHEVRON USA INC 15 SMITH RD, MIDLAND, TX 79705		<sup>2</sup> OGRID Number 4323
<sup>4</sup> Property Code 29958		<sup>3</sup> API Number 30-025-32518
<sup>5</sup> Property Name L. VAN ETEN		<sup>6</sup> Well No. 14

<sup>7</sup> Surface Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
M	9	20-S	37-E		990	SOUTH	990	WEST	LEA

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
<sup>9</sup> Proposed Pool 1 MONUMENT PADDOCK					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code P	<sup>12</sup> WellType Code O	<sup>13</sup> Rotary or C.T. R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3514' GL
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 7350'	<sup>18</sup> Formation PADDOCK	<sup>19</sup> Contractor	<sup>20</sup> Spud Date

<sup>21</sup> Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
NO CHANGE					

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CHEVRON U.S.A. INC. INTENDS TO RECOMLETE THE SUBJECT WELL FROM THE ABO TO THE PADDOCK RESERVOIR.

A PIT WILL NOT BE USED FOR THIS PLUGBACK. A STEEL FRAC TANK WILL BE UTILIZED.

THE INTENDED PROCEDURE, AND CURRENT AND PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway  
Plugback

<sup>23</sup> I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature

*Denise Pinkerton*

Printed Name

Denise Pinkerton

Title

Regulatory Specialist

Date

5/7/2007

Telephone

432-687-7375

## OIL CONSERVATION DIVISION

Approved By:

*Chris Williams*

Title:

OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date:

Expiration Date:

Conditions of Approval  
Attached ☐ MAY 21 2007

**L Van Etten #14**  
**Monument Paddock**  
**T20S, R37E, Section 9**  
**30-025-32518**  
**Job: PB to Paddock, and Acidize**

**05/4/2007**

**Procedure:**

1. ***This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 5/4/2007. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.***
2. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. 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 Donnie Ives for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.
3. MI & RU workover unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. POH LD rods and pump. Remove WH. Install BOP's and test as required. POH and stand back 2-7/8" production tbg.
4. PU and GIH with 4 3/4" MT bit, and 2-7/8" production tubing to 6920'. Attempt to circulate well clean from 6920' using 8.6 PPG cut brine water, if possible. POH with tbg string and bit. LD bit.
5. MI & RU WL. GIH w/ CIBP to 6930'. Set 5 1/2" CIBP at 6900'. POH. LD setting tool. GIH and dump bail 35' cement on CIBP @ 6900'.
6. GIH w/ CIBP to 5535'. Set 5-1/2" CIBP @ 5535'. Pressure test casing and CIBP to 500 psi. POH. LD setting tool.
7. GIH with 3-3/8" Predator casing gun and perforate the following intervals with 4 JSPF at 120 degree phasing using 32 gram premium charges:

Top Perf	Bottom Perf	Net Feet	Total Holes
5182	5190	8	32

8. POH. GIH and dump bail 35' of cement on top of CIBP at 5535'. POH RD & release WL.  
**Note: Use Halliburton Gamma Dual Spaced Neutron Log dated 6/29/1994 for depth correction.**
9. RIH w/ 5-1/2" packer on 2-7/8" tbg to 5082'. Set pkr @ 5082'. Test.

10. MI & RU DS Services. Pressure annulus to 500 psi and maintain during acid job. Acidize perfs 5182'-5190' with 1,500 gal of 15% NEFE HCl acid\* at a maximum rate of  $1\frac{1}{2}$  BPM and a maximum surface pressure of **4000 psi** as follows:

Perfs	Acid Volume	Max Rate
5182-5190	1500 gals	1/2 bpm

Displace acid with 8.6 PPG cut brine water -- do not over displace. Record ISIP, 5 & 10 minute SIP's. RD and release DS services.

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

11. Leave well SI 3 hrs for the acid to spend. Open well and flow/swab back spent treatment fluids. Recover 100% of spent acid and load if possible. Report oil cut, recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Test reactivity of recovered acid load while swabbing. If acid is not spent, leave well SI additional time as required.**
12. TOH w/ tbg and pkr. LD pkr.
13. RIH w/ 2-7/8" production tubing and TAC. Hang off per ALS recommendation. NDBOP. NUWH. RIH w/ rods and pump per ALS.
14. RD Key PU & RU. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

Engineer – Richard Jenkins  
432-687-7120 Office  
432-631-3281 Cell

Well: **L Van Etten #14**

Reservoir: **Abo**

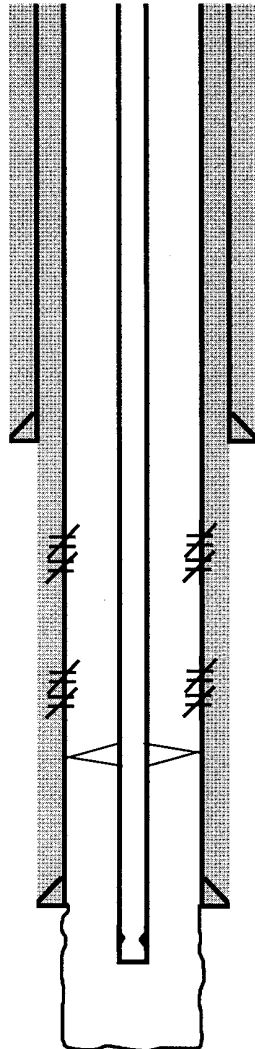
**Location:**

990' FSL & 990' FWL  
Section: 9  
Township: 20S  
Range: 37E  
County: Lea, NM.

**Elevations:**

GL: 3514'  
DF: 3527'  
KB: 3527'

**Current**



**Well ID Info:**

Refno: QU2067  
API No: 30-025-32518  
L5/L6: UCU938300  
Spud Date: 6/5/1994  
Compl. Date: 3/1/1998

**Surface Csg:** 8-5/8", 24#  
**Set: @** 1150' w/ 490 sks  
**Hole Size:** 11"  
**Circ:** Yes  
**TOC By:** Circulation

**TOC:** Surface

**Perfs** **Status**  
5578'-5690' Weir Blinbry - Squeezed

**Perfs** **Status**  
6352'-6558' Tubb - Squeezed

**Prod Csg:** 5-1/2", 15.5#, J-55  
**Set: @** 6950' w/ 1300 sks  
**Hole Size:** 7-7/8"  
**Circ:** No  
**TOC By:** CBL

**TOC:** 2320'

**TAC @ 6805'**

**COTD:** 7296'  
**PBTD:** 7296'  
**TD:** 7350'

**Updated:** 4/23/2007

**6950' - 7350 - Open Hole Abo**

**By:** rjdg

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WO Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

Well: **L Van Etten #14**

Reservoir: **Monument Paddock**

**Location:**

990' FSL & 990' FWL  
Section: 9  
Township: 20S  
Range: 37E  
County: Lea, NM.

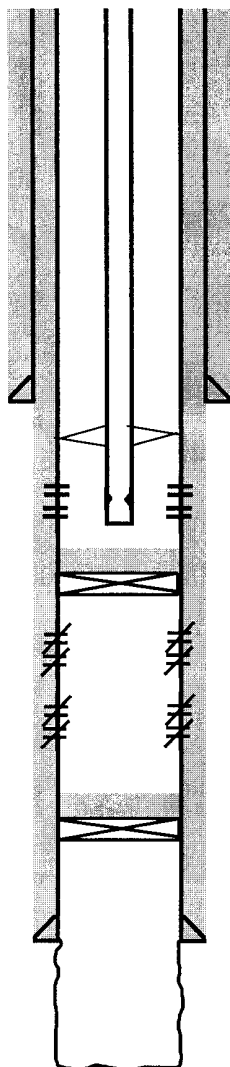
**Proposed**

**Well ID Info:**

Refno: QU2067  
API No: 30-025-32518  
L5/L6: UCU938300  
Spud Date: 6/5/1994  
Compl. Date: 3/1/1998

**Elevations:**

GL: 3514'  
DF: 3527'  
KB:



**Surface Csg:** 8-5/8", 24#  
**Set @** 1150' w/ 490 sks  
**Hole Size:** 11"  
**Circ:** Yes  
**TOC By:** Circulation

**TOC:** Surface

**Perfs** 5182'-5190'  
**Status** Paddock - Open

**Perfs** 5578'-5690'  
**Status** Weir Blinbry - Squeezed Below CIBP

**Perfs** 6352'-6558'  
**Status** Tubb - Squeezed Below CIBP

**Prod Csg:** 5-1/2", 15.5#, J-55  
**Set @** 6950' w/ 1300 sks  
**Hole Size:** 7-7/8"  
**Circ:** No  
**TOC By:** CBL

**TOC:** 2320'

6950' - 7350' - Open Hole Abo - Below CIBP

**CIBP @ 5535' w/ 35' cmt**

**CIBP @ 6900' w/ 35' cmt**

**COTD:** 5500'  
**PBTD:** 5500'  
**TD:** 7350'

**Updated:** 4/23/2007

**By:** rjdg

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WEO Engineer, WQ Rep, OS, ALS, & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.

L Van Etten #14

4/23/2007

CaseLowis Tubing Landing Detail

Part Type	Name of Component	Install Date	Quantity	Length	Top Depth (Offset = 13.00)	Bottom Depth	Remark
Tubing - OD 2.875	J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift	7/3/2006	219	6792.56	13	6805.56	
Tubing Anchor/Catcher	Tubing Anchor/Catcher 2.875"	7/3/2006	1	2.7	6805.56	6808.26	
Tubing - OD 2.875	J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift	7/3/2006	13	410.6	6808.26	7218.86	Bottom 100 Jts are new 7/3/06
Tubing - OD 2.875	J-55 2.875 OD/ 6.50# T&C External Upset 2.441 ID 2.347 Drift - Internal Plastic Ctg	7/3/2006	1	31.7	7218.86	7250.56	
Seat Nipple / Shoe	Seat Nipple - Standard (2.875") Cup Type	7/3/2006	1	1.1	7250.56	7251.66	

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Form C-102

Revised February 10, 1999

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☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-32518	<sup>2</sup> Pool Code 47080	<sup>3</sup> Pool Name MONUMENT PADDOCK
<sup>4</sup> Property Code 29958	<sup>5</sup> Property Name L. VAN ETEN	<sup>6</sup> Well No. 14
<sup>7</sup> OGRID Number 4323	<sup>8</sup> Operator Name CHEVRON USA INC	<sup>9</sup> Elevation 3514' GL

<sup>10</sup> Surface Location

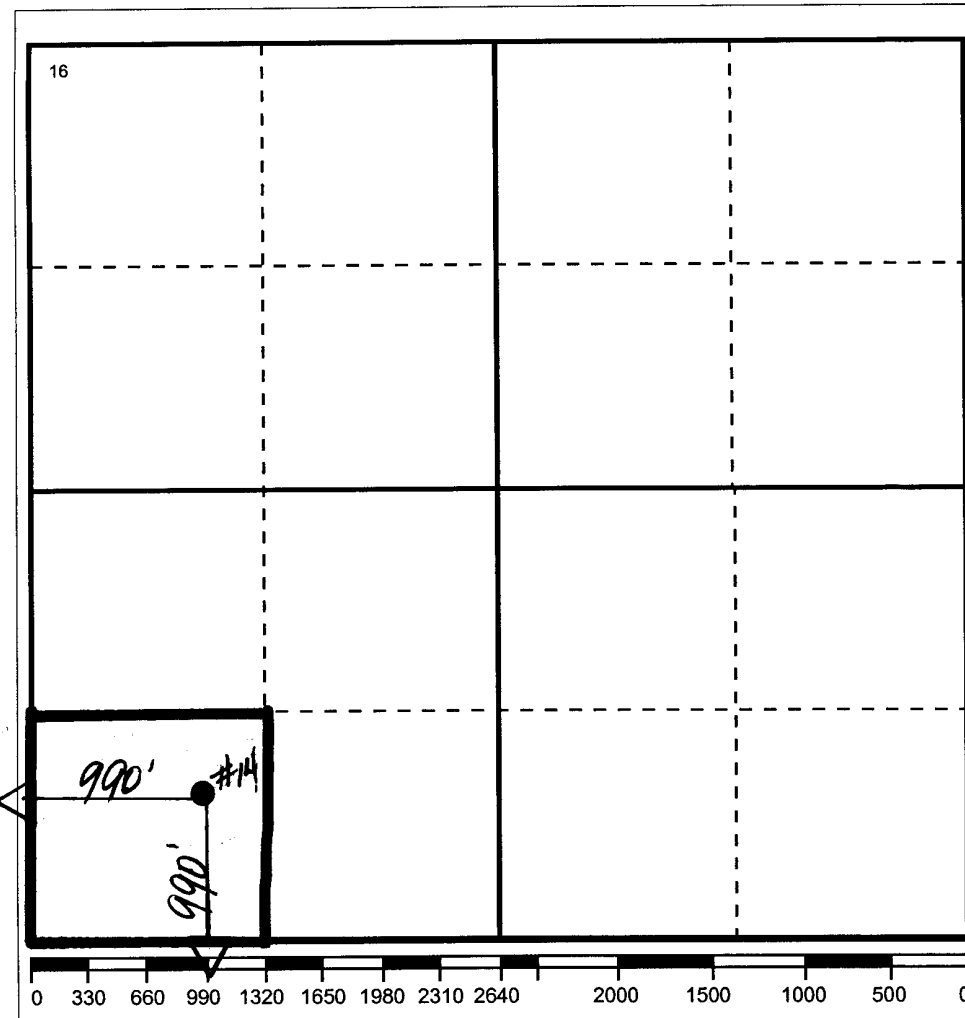
Ul or lot no M	Section 9	Township 20-S	Range 37-E	Lot.Idn	Feet From The 990	North/South Line SOUTH	Feet From The 990	East/West Line WEST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
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<sup>12</sup> Dedicated Acre 40	<sup>13</sup> Joint or Infill No	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



## 17 OPERATOR CERTIFICATION

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

Signature

*Denise Pinkerton*

Printed Name

Denise Pinkerton

Position

Regulatory Specialist

Date

5/7/2007

## 18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown  
on this plat was plotted from field notes of  
actual surveys made by me or under my  
supervision, and that the same is true and  
correct to the best of my knowledge and  
belief.

Date Surveyed

Signature & Seal of  
Professional Surveyor

Certificate No.