

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
**RECEIVED**  
Oil Conservation Division  
MAR 24 2010  
1220 South St. Francis Dr.  
HOBBS, NM 87505

Form C-101  
June 16, 2008

Submit to appropriate District Office

☐ AMENDED REPORT

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

|   |  |   |
|---|--|---|
| <sup>1</sup> Operator Name and Address<br>CHEVRON U.S.A. INC<br>15 SMITH ROAD<br>MIDLAND, TEXAS 79705 |  | <sup>2</sup> OGRID Number<br>4323         |
|   |  | <sup>3</sup> API Number<br>30 - 025-32881 |
| <sup>3</sup> Property Code<br>29958   | <sup>5</sup> Property Name<br>L VAN ETEN |   |
| <sup>9</sup> Proposed Pool 1<br>MONUMENT PADDOCK (47080)  |  | <sup>6</sup> Well No<br>16                |
|   |  | <sup>10</sup> Proposed Pool 2             |

|                               |              |                  |               |         |                        |                           |                      |                        |               |
|-------------------------------|--------------|------------------|---------------|---------|------------------------|---------------------------|----------------------|------------------------|---------------|
| <sup>7</sup> Surface Location |              |                  |               |         |                        |                           |                      |                        |               |
| UL or lot no<br>L             | Section<br>9 | Township<br>20-S | Range<br>37-E | Lot Idn | Feet from the<br>195 5 | North/South line<br>SOUTH | Feet from the<br>940 | East/West line<br>WEST | County<br>LEA |

|  |         |          |       |         |               |                  |               |                |        |
|--|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| <sup>8</sup> Proposed 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 |

**Additional Well Information**

|  |                                       |                                    |                                    |  |
|--|---------------------------------------|------------------------------------|------------------------------------|--|
| <sup>11</sup> Work Type Code<br>PLUGBACK | <sup>12</sup> Well Type Code<br>O     | <sup>13</sup> Cable/Rotary         | <sup>14</sup> Lease Type Code<br>P | <sup>15</sup> Ground Level Elevation<br>3547' GL |
| <sup>16</sup> Multiple<br>NO             | <sup>17</sup> Proposed Depth<br>6000' | <sup>18</sup> Formation<br>PADDOCK | <sup>19</sup> Contractor           | <sup>20</sup> Spud Date                          |

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



| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 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 REPAIR A CASING LEAK AND RECOMPLETE THE SUBJECT WELL INTO THE MONUMENT PADDOCK FORMATION

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, C-102 PLAT, & C-144 PIT INFORMATION

**Permit Expires 2 Years From Approval  
Date Unless Running Underway  
Plugback**

|   |                        |  |                 |
|---|------------------------|--|-----------------|
| <sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief |                        | OIL CONSERVATION DIVISION  |                 |
| Signature<br>                            |                        | Approved by:<br> |                 |
| Printed name<br>DENISE PINKERTON  |                        | Title<br>PETROLEUM ENGINEER  |                 |
| Title:<br>REGULATORY SPECIALIST   |                        | Approval Date<br>APR 07 2010   | Expiration Date |
| E-mail Address:<br>leakejd@chevron.com  |                        |  |                 |
| Date:<br>03-26-2010   | Phone:<br>432-687-7375 | Conditions of Approval Attached <input type="checkbox"/>   |                 |

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
RECEIVED CONSERVATION DIVISION  
MAR 29 2010  
HOBBSOCD  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|   |   |  |
|---|---|--|
| <sup>1</sup> API Number<br>30-025-32881 | <sup>2</sup> Pool Code<br>47080                   | <sup>3</sup> Pool Name<br>MONUMENT PADDOCK |
| <sup>4</sup> Property Code<br>29958     | <sup>5</sup> Property Name<br>L. VAN ETEN         | <sup>6</sup> Well Number<br>16             |
| <sup>7</sup> OGRID No.<br>4323          | <sup>8</sup> Operator Name<br>CHEVRON U.S.A. INC. | <sup>9</sup> Elevation<br>3547' GL         |

<sup>10</sup> Surface Location

|                    |              |                  |               |         |                       |                           |                      |                        |               |
|--------------------|--------------|------------------|---------------|---------|-----------------------|---------------------------|----------------------|------------------------|---------------|
| UL or lot no.<br>L | Section<br>9 | Township<br>20-S | Range<br>37-E | Lot Idn | Feet from the<br>1955 | North/South line<br>SOUTH | Feet from the<br>940 | East/West line<br>WEST | County<br>LEA |
|--------------------|--------------|------------------|---------------|---------|-----------------------|---------------------------|----------------------|------------------------|---------------|

<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 |
| <sup>12</sup> Dedicated Acres<br>40 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |         |               |                  |               |                |        |

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.

|                      |   |
|----------------------|---|
| <div><p>16</p></div> | <div><p><sup>17</sup> OPERATOR CERTIFICATION</p><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</p><p><i>Denise Pinkerton</i> 03-26-2010<br/>Signature Date</p><p>DENISE PINKERTON REGULATORY SPECIALIST<br/>Printed Name</p></div> |
|                      | <div><p><sup>18</sup> SURVEYOR CERTIFICATION</p><p>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 belief</p><p>Date of Survey<br/>Signature and Seal of Professional Surveyor</p><p>Certificate Number</p></div>   |

**L. Van Etten # 16**  
**Monument Field**  
**T20S, R37E, Section 9**  
**Job: Repair Casing Leak And PB To Paddock Formation**

**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 3/22/2010. 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 with rods and pump. Remove WH. Install BOP's and test as required. Release TAC. POH scanalogging 2 7/8" tbg string. LD TAC.
4. PU and GIH with 4 3/4" MT bit and 2 7/8" work string to approximately 5575'. POH with work string and 4 3/4" bit. LD bit.
5. PU and GIH with 5 1/2" RBP and sqz pkr on 2 7/8" work string to 5550'. Set RBP at 5550'. Pressure test RBP to 1000 psi. Pressure test csg from 5550 to surface to 500 psi. Release pkr. Utilize RBP and pkr and pinpoint casing leak. GIH and set RBP approximately 300' below csg leak. Pump down tbg and spot 20' sand on top of RBP. PUH and set pkr 300' above csg leak. Establish injection rate into csg leak. Report injection rate and pressure to Remedial Engineer for use in determining cement volume and slurry properties.
6. Release pkr. POH with 2 7/8" work string and pkr. LD pkr. PU & GIH with 5 1/2" CICR on 2 7/8" work string to approximately 50' above casing leak. Pressure test tbg to 5500 psi while GIH. Set CICR 50' above casing leak. Establish injection rate into casing leak. Pressure casing annulus to 500 psi and maintain during sqz job.
7. RU DS Services cementing equipment. Cement squeeze casing leak using Class C cement mixed to 14.8 PPG w/ 1.35 CFY. Attempt to achieve 2500 psi squeeze pressure. Sting out of CICR. Reverse out excess cement. RD and release DS Services cementing equipment.
8. POH with 2 7/8" work string and stinger. LD stinger.

9. PU and GIH with 4 3/4" MT bit on 2 7/8" tbg string to top of CICR. LD and drill out CICR and cement in 5 1/2" casing. Reverse circulate well clean using 8.6 PPG cut brine water. Pressure test casing to 500 psi. If csg leaks, repeat cmt sqz procedure. LD and cleanout csg to top of RBP. Reverse circulate well clean from top of RBP using 8.6 PPG cut brine water. POH with 2 7/8" work string and bit. LD bit. GIH with retrieving head and engage RBP. POH with work string and RBP. LD RBP.
10. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH and set CIBP at 5550'. POH. GIH and dump bail 35' of cement on top of CIBP at 5550'. POH. Pressure test casing and CIBP to 350 psi. GIH with 3 3/8" RHSC Gunslinger casing guns (0.42" EH & 47" penetration) and perforate from 5183-90' with 4 JSPF at 120 degree phasing, using 25 gram premium charges. POH. RD & release electric line unit. **Note: Use Wedge Wireline Cement Bond Log dated 6/4/1995 for depth correlation. Also, do not exceed 350 psi casing pressure due to cement sqzd casing leak.**
11. PU and GIH w/ 5 1/2" pkr on 2 7/8" work string to approximately 5150'. Set pkr at 5150'. Pressure annulus to 350 psi to test pkr. Maintain annulus pressure during acid job to observe for communication. **Note: Do not exceed 350 psi casing pressure due to cement sqzd casing leak.**
12. MI & RU DS Services. Acidize perfs 5183-90' with 1,000 gals anti-sludge 15% HCl acid \* at a maximum rate of 1/2 BPM and a maximum surface pressure of 3500 psi. Spot acid across perfs at beginning of job and let soak to lower breakdown pressure and prevent communication. 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: Pickle tubing in 1 run of 500 gals acid, prior to acidizing perfs. Pickle acid is to contain only 1/2 gal A264 and 1 gal W53.**

|                              |            |                     |
|------------------------------|------------|---------------------|
| * 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      |
13. **Shut well in and let acid soak for 1 hour.** Open well and swab back acid load. 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.
14. Open well. Release pkr. POH with tbg and packer. LD work string and pkr.
15. PU and GIH w/ BP mud anchor jt of 2 7/8" tbg, 2 7/8" x 4' perforated sub, SN, 1 jt 2 7/8" EUE 8R J-55 IPC tbg, 9 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 155 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 4911', with EOT at 5268' and SN at 5231'.
16. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release pulling unit.

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

AMH

3/22/2010

Well. **L. Van Etten # 16**Field. **Monument**Reservoir **Blinebry****Location:**

1955' FSL & 940' FWL  
 Section: 9  
 Township: 20S  
 Range: 37E  
 County: Lea State: NM

**Elevations:**

GL: 3547'  
 KB: 3462'  
 DF: 3461'

**Current**  
**Wellbore Diagram**

**Well ID Info:**

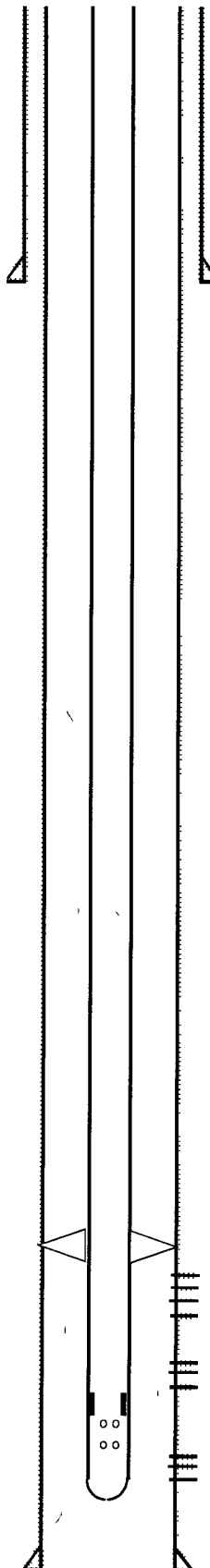
Chevno BC1137  
 API No. 30-025-32881  
 L5/L6: UCU938300  
 Spud Date: 5/4/95  
 Compl Date: 6/8/95

**Surf. Csg:** 8 5/8", 24#, WC-50  
**Set:** @ 1161' w/ 450 sks  
**Hole Size:** 11"  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulated

**Tubing Detail:**

| <u>#Jts:</u> | <u>Size:</u>                     | <u>Footage</u> |
|--------------|----------------------------------|----------------|
|              | KB Correction                    | 15.00          |
| 170          | Jts 2 7/8" EUE 8R J-55 Tbg       | 5371.41        |
|              | TAC                              | 2.90           |
| 9            | Jts 2 7/8" EUE 8R J-55 Tbg       | 284.01         |
| 1            | Jt 2 7/8" EUE 8R J-55 IPC Tbg    | 32.46          |
|              | SN                               | 1.10           |
|              | 2 7/8" x 4' Perf Tbg Sub         | 4.10           |
| 1            | Jt 2 7/8" EUE 8R J-55 Tbg        | 31.08          |
|              | Bull Plug                        | 0.50           |
| <b>181</b>   | <b>Bottom Of String &gt;&gt;</b> | <b>5742.56</b> |

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.



|               |                 |
|---------------|-----------------|
| <b>Perfs:</b> | <b>Status:</b>  |
| 5576-92'      | Blinebry - Open |
| 5604-06'      | Blinebry - Open |
| 5608-10'      | Blinebry - Open |
| 5656-64'      | Blinebry - Open |
| 5668-74'      | Blinebry - Open |

COTD: 5915'

PBTD: 5915' (float collar)  
 TD: 6000'

Updated: 3/22/2010

By: A. M. Howell

Prod. Csg: 5 1/2", 15.50#, K-55 &amp; LS-65

**Set:** @ 6000' w/ 2375 sks  
**Hole Size:** 7 7/8"  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulated

Well: **L. Van Etten # 16**

Field: **Monument**

Reservoir: **Paddock**

47080

**Location:**  
1955' FSL & 940' FWL  
Section: 9  
Township. 20S  
Range: 37E  
County: Lea State: NM

**Elevations:**  
GL: 3547'  
KB: 3462'  
DF: 3461'

**Proposed  
Wellbore Diagram**

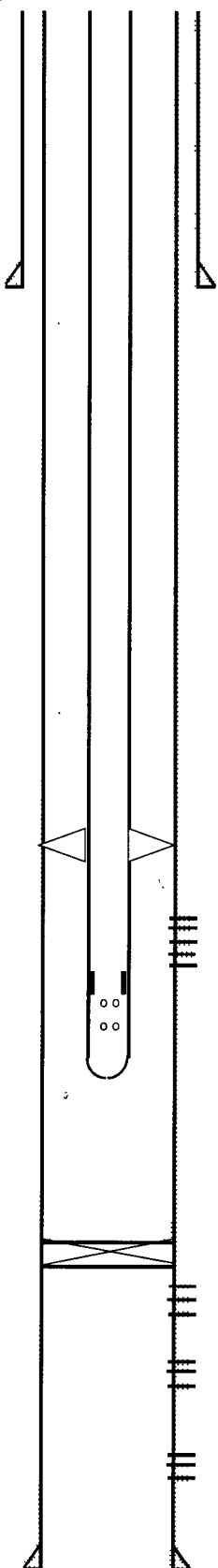
**Well ID Info:**  
Chevno: BC1137  
API No: 30-025-32881  
L5/L6. UCU938300  
Spud Date: 5/4/95  
Compl. Date: 6/8/95

**Surf. Csg:** 8 5/8", 24#, WC-50  
**Set:** @ 1161' w/ 450 sks  
**Hole Size:** 11"  
**Circ:** Yes **TOC:** Surface  
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**Tubing Detail:**

| #Jts:      | Size:                            | Footage        |
|------------|----------------------------------|----------------|
|            | KB Correction                    | 15 00          |
| 155        | Jts 2 7/8" EUE 8R J-55 Tbg       | 4896 45        |
|            | TAC                              | 2 90           |
| 9          | Jts 2 7/8" EUE 8R J-55 Tbg       | 284 01         |
| 1          | Jt 2 7/8" EUE 8R J-55 IPC Tbg    | 32 46          |
|            | SN                               | 1 10           |
|            | 2 7/8" x 4' Perf Tbg Sub         | 4 10           |
| 1          | Jt 2 7/8" EUE 8R J-55 Tbg        | 31 08          |
|            | Bull Plug                        | 0 50           |
| <b>166</b> | <b>Bottom Of String &gt;&gt;</b> | <b>5267.60</b> |



**Perfs:** 5183-90'  
**Status:** Paddock - Open

**CIBP @ 5550'**  
(35' cmt on top)

**Perfs:** 5576-92'  
5604-06'  
5608-10'  
5656-64'  
5668-74'  
**Status:** Blinebry - Below CIBP  
Blinebry - Below CIBP  
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Blinebry - Below CIBP

**COTD:** 5515'  
**PBTD:** 5915' (float collar)  
**TD:** 6000'

**Prod. Csg:** 5 1/2", 15 50#, K-55 & LS-65  
**Set:** @ 6000' w/ 2375 sks  
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**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulated

**Updated:** 3/22/2010

**By:** A. M. Howell