

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  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ 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 2615	<sup>5</sup> Property Name EUNICE KING	<sup>3</sup> API Number ✓ 30-025-06855
		<sup>6</sup> Well No. ✓ 18

<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
E	28	21-S	37-E		1980'	NORTH	980'	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 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. ROTARY	<sup>14</sup> Lease Type Code ✓ P	<sup>15</sup> Ground Level Elevation 3468' GL
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 8140'	<sup>18</sup> Formation PADDOCK	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 9/15/2005

<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					

22. 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 RECOMPLETE THE SUBJECT WELL FROM THE TUBB OIL & GAS POOL TO THE PADDOCK RESERVOIR.

\*\*\*A PIT WILL NOT BE UTILIZED FOR THIS RECOMPLETION. A STEEL FRAC TANK WILL BE USED.\*\*\*

THE CURRENT AND PROPOSED WELLBORE DIAGRAMS, AND THE INTENDED PROCEDURE 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.		OIL CONSERVATION DIVISION	
Signature <i>Denise Pinkerton</i>		Approved By: <i>[Signature]</i>	
Printed Name Denise Pinkerton		Title: PETROLEUM ENGINEER	
Title Regulatory Specialist		Approval Date: AUG 31 2005	Expiration Date:
Date 8/23/2005	Telephone 432-687-7375	Conditions of Approval: Attached <input type="checkbox"/>	

**Location:**

1980' FNL & 980' FWL  
 Section: 28  
 Township: 21S  
 Range: 37E  
 County: Lea State: NM

**Elevations:**

GL: 3468'  
 KB: 3481'  
 DF: 3480'

**Tbg Detail:**

EOT @ 6005'  
 7" Model R-DG pkr @ 5997'  
 SN @ 5996'  
 192 jts. 2 7/8" EUE 8R J-55 tbg

CIBP Drilled & Pushed To 6266'

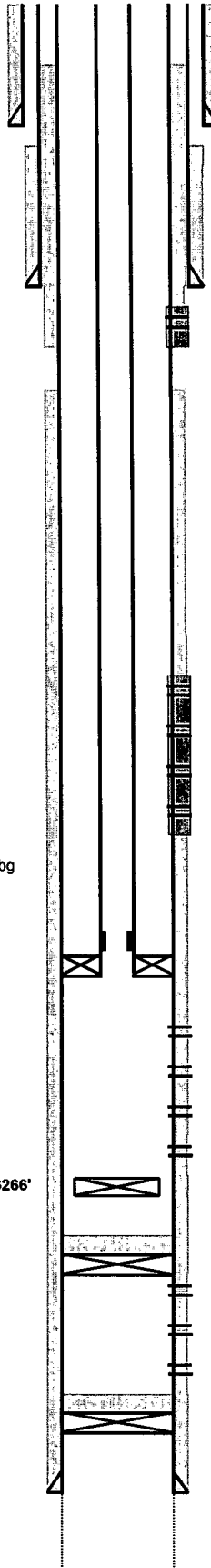
CICR @ 7240'  
 (35' cmt on top)

CIBP @ 7400'  
 (6' cmt on top)

COTD: 6266'  
 PBTD: 7205'  
 TD: 8140'

Updated: 8/18/05

**Current**  
**Wellbore Diagram**

**Well ID Info:**

Chevno: FA7952  
 API No: 30-025-06855  
 L5/L6: U472800  
 Spud Date: 7/18/49  
 Compl. Date: 9/25/49

**Surf. Csg:** 13 3/8", 48#, H-40

**Set:** @ 301' w/ 300 sks

**Hole Size:** 17 1/4"

**Circ:** Yes **TOC:** Surface

**TOC By:** Circulated

**Interm. Csg:** 9 5/8", 36#, H-40

**Set:** @ 2800' w/ 1300 sks

**Hole Size:** 12 1/4"

**Circ:** No **TOC:** 640'

**TOC By:** Temperature Survey

**Sqz Perfs @ 2900'**

(Sqzd w/ 600 sks 5/9/80, DN circulate)

5129-34'	Paddock - Cmt Sqzd
5143-48'	Paddock - Cmt Sqzd
5165-70'	Paddock - Cmt Sqzd
5185-90'	Paddock - Cmt Sqzd
5281-86'	Paddock - Cmt Sqzd
5292-5302'	Paddock - Cmt Sqzd

Perfs:	Status:
6110-12'	Tubb - Open
6130-32'	Tubb - Open
6150-52'	Tubb - Open
6170-72'	Tubb - Open
6192-94'	Tubb - Open
6210-12'	Tubb - Open
6230-32'	Tubb - Open

7293-95'	Montoya - Below CIBP
7320-22'	Montoya - Below CIBP
7336-38'	Montoya - Below CIBP

**Prod. Csg:** 7", 23 & 26#, J-55 & N-80

**Set:** @ 8065' w/ 700 sks

**Hole Size:** 8 3/4"

**Circ:** No **TOC:** 4300'

**TOC By:** Temperature Survey

**6 1/8" Ellenburger OH fr/ 8065-8140'**

By: A. M. Howell

Well: **Eunice King # 18**Field: **Paddock**Reservoir: **Paddock****Location:**

1980' FNL & 980' FWL  
 Section: 28  
 Township: 21S  
 Range: 37E  
 County: Lea State: NM

**Elevations:**

GL: 3468'  
 KB: 3481'  
 DF: 3480'

**Proposed**  
**Wellbore Diagram**

**Well ID Info:**

Chevno: FA7952  
 API No: 30-025-06855  
 L5/L6: U480900  
 Spud Date: 7/18/49  
 Compl. Date: 9/25/49

**Surf. Csg:** 13 3/8", 48#, H-40**Set:** @ 301' w/ 300 sks**Hole Size:** 17 1/4"**Circ:** Yes **TOC:** Surface**TOC By:** Circulated**Intern. Csg:** 9 5/8", 36#, H-40**Set:** @ 2800' w/ 1300 sks**Hole Size:** 12 1/4"**Circ:** No **TOC:** 640'**TOC By:** Temperature Survey**Sqz Perfs @ 2900'**

(Sqzd w/ 600 sks 5/9/80, DN circulate)

**Tubing Detail:**

#Jts:	Size:	Footage
	KB Correction	12.00
162	Jts. 2 7/8" J-55 IPC Tbg	5046.00
	2 7/8" x 6" IPC Tbg Sub	6
	2 7/8" x 2 3/8" X-Over	0.60
	Centriflgt Sub Pump	35.41
162	Bottom Of Mtr >>	5100.01

**CIBP @ 6075'**  
 (35' cmt on top)

**CIBP Drilled & Pushed To 6266'**

**CICR @ 7240'**  
 (35' cmt on top)

**CIBP @ 7400'**  
 (6' cmt on top)

**COTD: 6040'**  
**PBTD: 6040'**  
**TD: 8140'**

Updated: 8/18/05

By: A. M. Howell

Perfs:	Status:
5070-80'	Paddock - Open
5090-5100'	Paddock - Open
5111-19'	Paddock - Open
5125-34'	Paddock - Open
5140-48'	Paddock - Open
5160-70'	Paddock - Open
5180-90'	Paddock - Open
5198-5208'	Paddock - Open
5215-25'	Paddock - Open
5242-46'	Paddock - Open
5254-62'	Paddock - Open
5276-86'	Paddock - Open
5292-5302'	Paddock - Open
5320-28'	Paddock - Open
5350-56'	Paddock - Open
5370-80'	Paddock - Open

6110-12'	Tubb - Below CIBP
6130-32'	Tubb - Below CIBP
6150-52'	Tubb - Below CIBP
6170-72'	Tubb - Below CIBP
6192-94'	Tubb - Below CIBP
6210-12'	Tubb - Below CIBP
6230-32'	Tubb - Below CIBP

7293-95'	Montoya - Below CIBP
7320-22'	Montoya - Below CIBP
7336-38'	Montoya - Below CIBP

**Prod. Csg:** 7", 23 & 26#, J-55 & N-80**Set:** @ 8065' w/ 700 sks**Hole Size:** 8 3/4"**Circ:** No **TOC:** 4300'**TOC By:** Temperature Survey**6 1/8" Ellenburger OH fr/ 8065-8140'**

**Eunice King # 18**  
**Paddock Field**  
**T21S, R37E, Section 28**  
**Job: PB To Paddock Formation**

**Procedure:**

1. 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.
2. MI & RU workover unit. Bleed pressure from well, if any. Pump down tbg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test to 1000 psi. Release packer. LD with pkr to 6085'. POH with 2 7/8" tbg string and pkr. LD pkr.
3. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and set 7" CIBP at 6075'. POH. GIH and dump bail 35' of cement on top of CIBP. POH. Fill csg with 8.6 PPG cut brine water. Pressure test casing to 500 psi. **Note: Do not exceed 500 psi csg pressure due to cmt sqzd perfs at 2900'.** GIH and conduct GR/CBL/CCL log from 6000' up to 2600'. POH. Inspect logs for good cement bond from approximately 5500' up to 5000'. If bond does not appear to be good across proposed completion interval, discuss with Engineering before proceeding. Cmt squeeze as necessary to obtain good cmt across completion interval. GIH with 4" Predator casing gun and perforate from 5070-80', 5090-5100', 5111-19', 5125-34', 5140-48', 5160-70', 5180-90', 5198-5208', 5215-25', 5242-46', 5254-62', 5276-86', 5292-5302', 5320-28', 5350-56', and 5370-80' with 4 JSPF at 120 degree phasing, using 32 gram premium charges. POH. RD & release electric line unit. **Note: Use collars from Frontier Gamma Ray-Neutron Log dated 5/11/66 for depth correlation.**
4. PU and GIH w/ 7" PPI pkr (with 12' element spacing) and SCV on 2 7/8" work string to approximately 5050'. Test tbg to 5500 psi while GIH.
5. MI & RU DS Services. Acidize perfs 5070-5380' with 4,800 gals anti-sludge 15% HCl acid \* at a maximum rate **as shown below** and a maximum surface pressure of **3500 psi**. Spot acid across perfs at beginning of each stage and let soak to lower breakdown pressure and prevent communication. Pump job as follows:

<b>Interval</b>	<b>Amt. Acid</b>	<b>Max Rate</b>	<b>PPI Setting</b>
5370-80'	300 gals	1 BPM	5369-81'
5350-56'	300 gals	½ BPM	5348-60'
5320-28'	300 gals	1 BPM	5318-30'

5292-5302'	300 gals	1 BPM	5291-5303'
5276-86'	300 gals	1 BPM	5275-87'
5254-62'	300 gals	1 BPM	5252-64'
5242-46'	300 gals	½ BPM	5238-50'
5215-25'	300 gals	1 BPM	5214-26'
5198-5208'	300 gals	1 BPM	5197-5209'
5180-90'	300 gals	1 BPM	5179-91'
5160-70'	300 gals	1 BPM	5159-71'
5140-48'	300 gals	1 BPM	5137-49'
5125-34'	300 gals	1 BPM	5124-36'
5111-19'	300 gals	1 BPM	5110-22'
5090-5100'	300 gals	1 BPM	5089-5101'
5070-80'	300 gals	1 BPM	5069-81'

Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Use a SCV to control displacement fluid. 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. Also, if communication occurs during treatment of any interval, monitor casing pressure and attempt to complete stage w/o exceeding 350 psi csg pressure. If cannot, then move PPI to next setting depth and combine treatment volumes of the intervals. Do not exceed 500 psi casing pressure due to cmt sqzd perfs in wellbore.

* 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

- Release PPI pkr and PUH to approximately 5050'. 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:** Selectively swab perfs as directed by Engineering if excessive water is produced.
- Open well. Release PPI pkr. POH with tbg and PPI packer. LD 2 7/8" work string and PPI tool.
- PU and GIH w/ Centrilift sub pump assembly, drain sub, 2 7/8" x 6' tbg sub, SN, and 162 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Suspend tbg with bottom of sub pump assembly at approximately 5100'.
- Remove BOP's and install WH. RD & release workover unit.

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

AMH

8/22/2005

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-06855	<sup>2</sup> Pool Code 49210	<sup>3</sup> Pool Name PADDOCK
<sup>4</sup> Property Code 2615	<sup>5</sup> Property Name EUNICE KING	<sup>6</sup> Well No. 18
<sup>7</sup> OGRID Number 4323	<sup>8</sup> Operator Name CHEVRON USA INC	<sup>9</sup> Elevation 3468' GL

<sup>10</sup> Surface Location

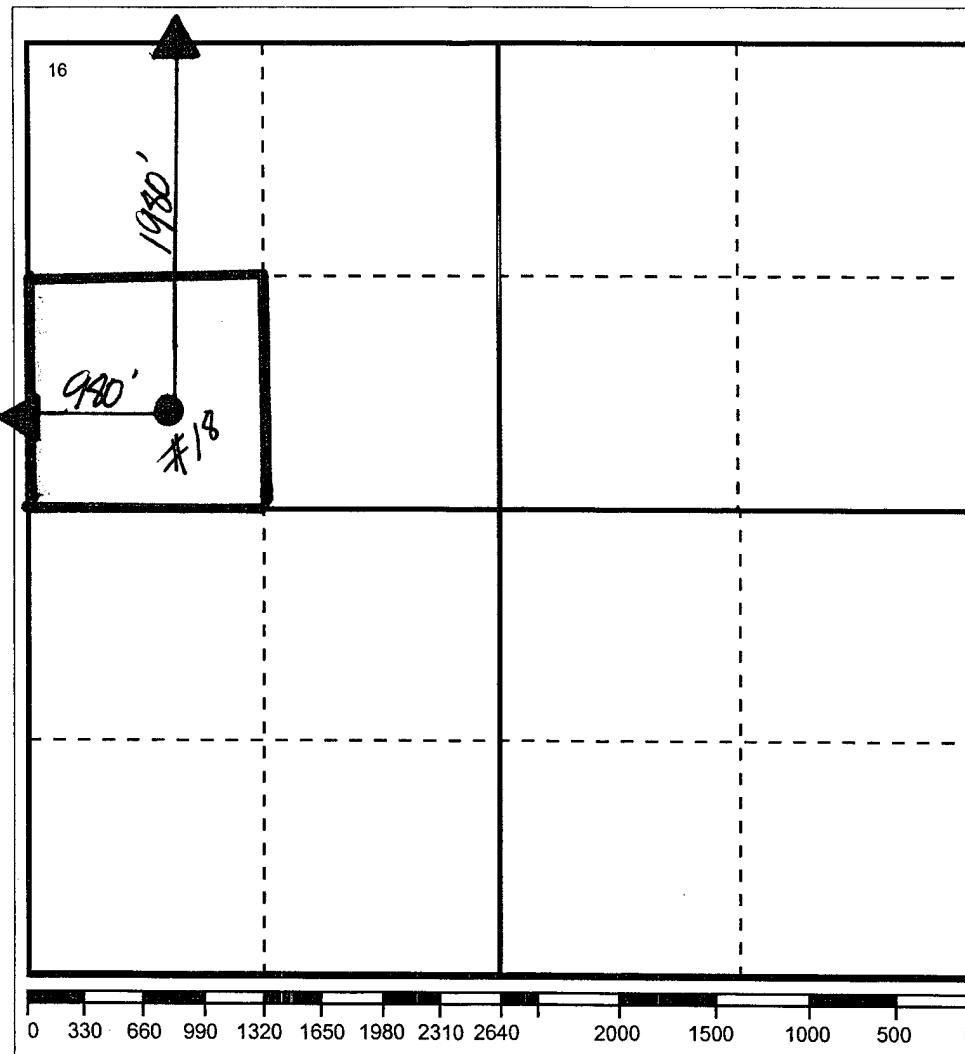
Ul or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
E	28	21-S	37-E		1980'	NORTH	980'	WEST	LEA

<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 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

Printed Name

Denise Pinkerton

Positio

Regulatory Specialist

Date

8/23/2005

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.