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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
OCT 25 2010
HOBBSOCD

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

| [1] Operator Name and Address | [2] OGRID Number |
|---|---|
| CHEVRON U.S.A. INC.<br>15 SMITH ROAD<br>MIDLAND, TEXAS 79705 | 4323 |
| | [3] API Number<br>30 – 025-29092 |

| [3] Property Code | [5] Property Name | [6] Well No. |
|---|---|---|
| 2710 | W.A. RAMSEY NCT-B | 8 |

| [9] Proposed Pool 1 | [10] Proposed Pool 2 |
|---|---|
| PADDOCK | |

## [7] Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| A | 25 | 21-S | 36-E | | 905' | NORTH | 990' | EAST | LEA |

## [8] Proposed Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South lin | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

## Additional Well Information

| [11] Work Type Code | [12] Well Type Code | [13] Cable/Rotary | [14] Lease Type Code | [15] Ground Level Elevation |
|---|---|---|---|---|
| PLUGBACK | O | | S | 3515' GL |
| **[16] Multiple** | **[17] Proposed Depth** | **[18] Formation** | **[19] Contractor** | **[20] Spud Date** |
| NO | 6,850' | PADDOCK | | |

## [21] Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|---|---|---|---|---|---|
| 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 INTO THE PADDOCK FORMATION AND ACIDIZE.

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

Permit Expires 2 Years From Approval Date Unless Drilling Underway

Plugback

[23] I hereby certify 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

E-mail Address: leakejd@chevron.com

Date: 10-22-2010

Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved by:

Title: PETROLEUM ENGINEER

Approval Date: OCT 28 2010

Expiration Date:

Conditions of Approval Attached ☐

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
OCT 25 2010
HOBBSOCD

Form C-102
Revised July 16, 2010
Submit one copy to appropriate District Office
☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| [1] API Number | [2] Pool Code | [3] Pool Name |
|---|---|---|
| 30-025-29092 | 49210 | PADDOCK |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| 2710 | W.A. RAMSEY "B" | 8 |

| [7] OGRID No. | [8] Operator Name | [9] Elevation |
|---|---|---|
| 4323 | CHEVRON U.S.A. INC. | 3515' GL |

## [10] Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| A | 25 | 21-S | 36-E | | 905 | NORTH | 990 | EAST | LEA |

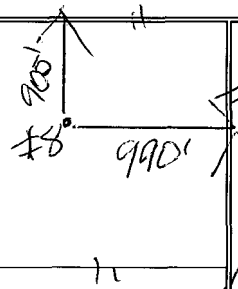
## [11] Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

| [12] Dedicated Acres | [13] Joint or Infill | [14] Consolidation Code | [15] Order No. |
|---|---|---|---|
| 40 | | | |

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.

16




## [17] OPERATOR CERTIFICATION

*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.*

Denise Pinkerton 10-22-2010
Signature Date

DENISE PINKERTON REGULATORY SPECIALIST
Printed Name

leakejd@chevron.com
E-mail Address

## [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 belief.*

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

**W. A. Ramsey (NCT-B) # 8**
**Paddock Field**
**T21S, R36E, Section 25**
**Job: Plugback To Paddock Formation And Acid Stimulate**

**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 10/6/2010. 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/1000 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. **Note: Prior to performing this step of the procedure, ensure that all valves, pipe, and fittings that will be exposed to test pressure are rated higher than the planned test pressure.**

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. Remove WH. Install BOP's and test to 2000 psi. POH scanalogging 2 7/8" tbg string. LD all tbg except 5500' of 2 7/8" EUE 8R J-55 yellow-band and LD all sub pump equipment.

4. PU and GIH with 4 ¾" MT bit and 2 7/8" production tbg string to approximately 5500'. POH with tbg string and 4 ¾" bit. LD bit.

5. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH and set CIBP at 5450'. POH. Pressure test casing and CIBP to 500 psi. GIH with 3 3/8" RHSC Gunslinger casing guns (0.42" EH & 47" penetration) and perforate from 5180-93' with 4 JSPF at 120 degree phasing, using 25 gram premium charges. POH. GIH and dump bail 35' of cement on top of CIBP at 5450'. POH. RD & release electric line unit. **Note: Use csg collars from Baker Atlas Cement Bond Log dated 5/8/2006 for depth correction.**

6. PU and GIH w/ 5 ½" pkr on 2 7/8" tbg string to approximately 5150'. Set pkr at 5150'. Pressure annulus to 500 psi to test pkr. Maintain annulus pressure during acid job to observe for communication.

7. MI & RU Schlumberger/Halliburton/Petroplex Services. Acidize perfs 5180-93' with 1,000 gals anti-sludge 15% HCl acid * at a maximum rate of **1 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 pumping 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 |

8. **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.

9. Open well. Release pkr. POH with tbg and packer. LD pkr.

10. 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, 2 jts 2 7/8" EUE 8R J-55 yellow-band tbg, TAC, and 165 jts 2 7/8" EUE 8R J-55 yellow-band tbg, testing to 5000 psi. Set TAC at 5120', with EOT at 5260' and SN at 5225'.

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

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

AMH
10/6/2010

Well: **W. A. Ramsey (NCT-B) # 8** Field: **Blinebry Oil & Gas** Reservoir: **Blinebry**

**Location:**
905' FNL & 990' FEL
Section: 25
Township: 21S
Range: 36E
County: Lea State: NM

**Elevations:**
GL: 3515'
KB: 3527'
DF: 3526'

# Current Wellbore Diagram

**Well ID Info:**
Chevno: FM2852
API No: 30-025-29092
L5/L6: U463600
Spud Date: 2/11/85
Compl. Date: 3/20/85

**Surf. Csg:** 11 3/4", 42#, H-40
**Set:** @ 385' w/ 275 sks
**Hole Size:** 14 3/4"
**Circ:** Yes **TOC:** Surface
**TOC By:** Circulated

**Interm. Csg:** 8 5/8", 24# & 32#, K-55
**Set:** @ 3690' w/ 600 sks
**Hole Size:** 11"
**Circ:** Yes **TOC:** Surface
**TOC By:** Circulated

**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.**

***Tubing Detail:***

| #Jts: | Size: | Footage |
|---|---|---|
| | KB Correction | 12.00 |
| 172 | Jts. 2 7/8" J-55 Tbg | 5451.42 |
| | Drain Valve | 0.53 |
| | 2 7/8" x 4' Tbg Sub | 4.10 |
| | Centrilift Sub Pump | 66.86 |
| 172 | **Bottom Of Mtr >>** | 5534.91 |

| Perfs: | Status: |
|---|---|
| 5502-08' | Blinebry - Open |
| 5516-22' | Blinebry - Open |
| 5526-32' | Blinebry - Open |
| 5536-40' | Blinebry - Open |
| 5546-52' | Blinebry - Open |
| 5558-66' | Blinebry - Open |
| 5572-76' | Blinebry - Open |
| 5590-96' | Blinebry - Open |
| 5627-33' | Blinebry - Open |
| 5659-67' | Blinebry - Open |
| 5672-78' | Blinebry - Open |
| 5684-92' | Blinebry - Open |
| 5758-64' | Blinebry - Open |
| 5770-76' | Blinebry - Open |
| 5832-38' | Blinebry - Open |
| 5852-56' | Blinebry - Open |
| 5908-16' | Blinebry - Open |

**CIBP @ 6650'**
(35' cmt on top)

| Perfs: | Status: |
|---|---|
| 6690-94' | Drinkard - Below CIBP |
| 6706-10' | Drinkard - Below CIBP |
| 6717-21' | Drinkard - Below CIBP |

**COTD:** 6611'
**PBTD:** 6615'
**TD:** 6850'

**Prod. Csg:** 5 1/2" OD 15.50# K-55
**Set:** @ 6850' w/ 1075 sks
**Hole Size:** 7 7/8"
**Circ:** No **TOC:** 1400'
**TOC By:** Temperature Survey

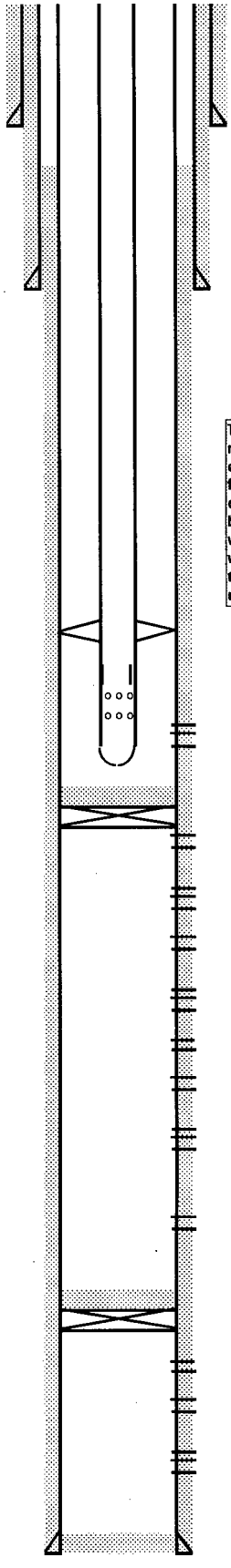
**Updated:** 10/5/2010 **By:** A. M. Howell

Well: **W. A. Ramsey (NCT-B) # 8** Field: **Paddock** Reservoir: **Paddock**

**Location:**
905' FNL & 990' FEL
Section: 25
Township: 21S
Range: 36E
County: Lea State: NM

**Elevations:**
GL: 3515'
KB: 3527'
DF: 3526'

# Proposed
## Wellbore Diagram



**Well ID Info:**
Chevno: FM2852
API No: 30-025-29092
L5/L6: U482700
Spud Date: 2/11/85
Compl. Date: 3/20/85

**Surf. Csg:** 11 3/4", 42#, H-40
**Set:** @ 385' w/ 275 sks
**Hole Size:** 14 3/4"
**Circ:** Yes **TOC:** Surface
**TOC By:** Circulated

**Interm. Csg:** 8 5/8", 24# & 32#, K-55
**Set:** @ 3690' w/ 600 sks
**Hole Size:** 11"
**Circ:** Yes **TOC:** Surface
**TOC By:** Circulated

***Tubing Detail:***

| #Jts: | Size: | Footage |
|---|---|---|
| | KB Correction | 12.00 |
| 165 | Jts. 2 7/8" EUE 8R J-55 Tbg | 5115.00 |
| | TAC | 3.15 |
| 2 | Jts. 2 7/8" EUE 8R J-55 Tbg | 62.00 |
| 1 | Jt. 2 7/8" EUE 8R J-55 IPC Tbg | 31.00 |
| | SN | 1.10 |
| | 2 7/8" x 4' Perf Tbg Sub | 4.00 |
| 1 | Jt. 2 7/8" EUE 8R J-55 Tbg | 31.00 |
| | Bull Plug | 0.50 |
| 169 | **Bottom Of String >>** | 5259.75 |

**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.**

| Perfs: | Status: |
|---|---|
| 5180-93' | Paddock - Open |

**CIBP @ 5450'**
(35' cmt on top)

| Perfs: | Status: |
|---|---|
| 5502-08' | Blinebry - Below CIBP |
| 5516-22' | Blinebry - Below CIBP |
| 5526-32' | Blinebry - Below CIBP |
| 5536-40' | Blinebry - Below CIBP |
| 5546-52' | Blinebry - Below CIBP |
| 5558-66' | Blinebry - Below CIBP |
| 5572-76' | Blinebry - Below CIBP |
| 5590-96' | Blinebry - Below CIBP |
| 5627-33' | Blinebry - Below CIBP |
| 5659-67' | Blinebry - Below CIBP |
| 5672-78' | Blinebry - Below CIBP |
| 5684-92' | Blinebry - Below CIBP |
| 5758-64' | Blinebry - Below CIBP |
| 5770-76' | Blinebry - Below CIBP |
| 5832-38' | Blinebry - Below CIBP |
| 5852-56' | Blinebry - Below CIBP |
| 5908-16' | Blinebry - Below CIBP |

**CIBP @ 6650'**
(35' cmt on top)

| Perfs: | Status: |
|---|---|
| 6690-94' | Drinkard - Below CIBP |
| 6706-10' | Drinkard - Below CIBP |
| 6717-21' | Drinkard - Below CIBP |

**COTD:** 5415'
**PBTD:** 5415'
**TD:** 6850'

**Prod. Csg:** 5 1/2" OD 15.50# K-55
**Set:** @ 6850' w/ 1075 sks
**Hole Size:** 7 7/8"
**Circ:** No **TOC:** 1400'
**TOC By:** Temperature Survey

**Updated:** 10/5/2010 **By:** A. M. Howell