

## 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>3</sup> API Number 30-025-29092
<sup>4</sup> Property Code 2710	<sup>5</sup> Property Name W.A. RAMSEY NCT-B	<sup>6</sup> Well No. 8

<sup>7</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
A	25	21-S	36-E		905'	NORTH	990'	EAST	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
<sup>9</sup> Proposed Pool 1 BLINEBRY OIL AND GAS (OIL)					<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 S	<sup>15</sup> Ground Level Elevation 3515' GL
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 6850'	<sup>18</sup> Formation BLINEBRY	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 4/15/2006

<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 RECOMPLETE THE SUBJECT WELL FROM THE DRINKARD FIELD AND RESERVOIR TO THE BLINEBRY OIL AND GAS ZONE.

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

THE CURRENT AND PROPOSED WELLBORE DIAGRAMS AND THE INTENDED PROCEDURE IS 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 4/6/2006

Telephone

432-687-7375

## OIL CONSERVATION DIVISION

Approved By:

*[Signature]*

Title:

PETROLEUM ENGINEER

Approval Date:

APR 11 2006

Expiration Date:

Conditions of Approval:

Attached ☐

**W. A. Ramsey (NCT-B) # 8**  
**Blinebry Oil & Gas Field**  
**T21S, R36E, Section 25**  
**Job: PB To Blinebry Formation, Acidize, And Frac**

**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 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 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 to 1000 psi. POH LD 2 3/8" tbg string.
3. PU and GIH with 4 3/4" MT bit and 2 7/8" work string to 6675'. POH with work string and bit. LD bit.
4. PU and GIH with 5 1/2" tbg-set CIBP to 6650'. Set CIBP at 6650'. Dump 35' cmt on top of CIBP. PUH to 6600'. Reverse circulate well clean from 6600' using 8.6 PPG cut brine water. Pressure test csg and CIBP to 500 psi. POH with 2 7/8" work string.
5. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct GR/CBL/CCL log from 6600' up to 2600'. POH. Inspect logs for good cement bond from approximately 6200' up to 5300'. 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 3 1/8" DP slick casing gun and perforate from 5502-08', 5516-22', 5526-32', 5536-40', 5546-52', 5558-66', 5572-76', 5590-96', 5627-33', 5659-67', 5672-78', 5684-92', 5758-64', 5770-76', 5832-38', 5852-56', and 5908-16' with 4 JSPF at 120 degree phasing, using 23 gram premium charges. POH. RD & release electric line unit. **Note: Use csg collars from Gearhart Gamma Ray Log dated 3/3/85 for depth correction.**
6. PU and GIH w/ 5 1/2" PPI pkr (with 10' element spacing) and SCV on 2 7/8" work string to approximately 5500'. Test tbg to 5500 psi while GIH.
7. MI & RU DS Services. Acidize perfs 5502-5916' with 3,400 gals anti-sludge 15% HCl acid \* at a maximum rate **as shown below** and a maximum surface pressure of **4500 psi**. Spot acid across perfs at beginning of each stage and let soak to lower breakdown pressure and prevent communication. Pump job as follows:

Interval	Amt. Acid	Max Rate	PPI Setting
5908-16'	200 gals	½ BPM	5907-17'
5852-56'	200 gals	½ BPM	5850-60'
5832-38'	200 gals	½ BPM	5830-40'
5770-76'	200 gals	½ BPM	5768-78'
5758-64'	200 gals	½ BPM	5756-66'
5684-92'	200 gals	½ BPM	5683-93'
5672-78'	200 gals	½ BPM	5670-80'
5659-67'	200 gals	½ BPM	5658-68'
5627-33'	200 gals	½ BPM	5625-35'
5590-96'	200 gals	½ BPM	5588-98'
5572-76'	200 gals	½ BPM	5570-80'
5558-66'	200 gals	½ BPM	5557-67'
5546-52'	200 gals	½ BPM	5544-54'
5536-40'	200 gals	½ BPM	5534-44'
5526-32'	200 gals	½ BPM	5524-34'
5516-22'	200 gals	½ BPM	5514-24'
5502-08'	200 gals	½ BPM	5500-10'

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 500 psi csg pressure. If cannot, then move PPI 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

8. Release PPI pkr and PUH to approximately 5475'. 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.**
9. Open well. Release PPI pkr. LD with PPI pkr to 5950'. Pressure test csg from 5950-6615' to 2500 psi. Release PPI pkr. POH with tbg and PPI packer. LD PPI tool.
10. PU and GIH w/ 5 ½" Lok-Set pkr & On-Off tool w/ 2.25" "F" profile and 161 jts. of 3 ½" EUE 8R L-80 work string, testing to 8500 psi. Set pkr at approximately 5000'. Install frac head. Pressure annulus to 500 psi to test csg and pkr. Leave pressure on csg during frac job to observe for communication.

11. MI & RU DS Services and Tracer-Tech Services (Mike Mathis (866) 595-3115). Frac well down 3 ½" tubing at **40 BPM** with 88,000 gals of YF130, 176,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR1630 proppant. Observe a maximum surface treating pressure of **8000 psi**. Tag frac with 2 radioactive isotopes (1 in main proppant stages, and 1 in resin-coated proppant stage). Pump job as follows:

Pump 2,000 gals 2% KCL water containing 55 gals Baker RE 4777-SCW Scale Inhibitor

Pump 1,000 gals 2% KCL water spacer

Pump 14,000 gals YF130 pad containing 5 GPT J451 Fluid Loss Additive

Pump 14,000 gals YF130 containing 0.5 PPG 16/30 mesh Jordan Sand & 5 GPT J451 FL Additive

Pump 12,000 gals YF130 containing 1.5 PPG 16/30 mesh Jordan Sand

Pump 12,000 gals YF130 containing 2.5 PPG 16/30 mesh Jordan Sand

Pump 14,000 gals YF130 containing 3.5 PPG 16/30 mesh Jordan Sand

Pump 16,000 gals YF130 containing 4.5 PPG 16/30 mesh Jordan Sand

Pump 6,000 gals YF130 containing 5 PPG **resin-coated** 16/30 mesh CR1630 proppant.

Flush to 5420' with 2,247 gals WF130. **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. RD & Release DS Services and Tracer-Tech Services. **Leave well SI overnight.**

12. Open well. GIH and swab well until there is no sand inflow. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. Release pkr and POH with 3 ½" work string. Lay down 3 ½" work string and pkr.
13. PU and GIH with 4 ¾" MT bit on 2 7/8" work string to 6100'. If fill is found above 6100', clean out fill to 6400' using 8.6 PPG cut brine water and air unit (if necessary). POH with 2 7/8" work string and bit. LD bit.
14. PU & GIH with 5 ½" pkr on 2 7/8" work string to 5300'. Set pkr at 5300'. Open well. GIH and swab well until there is no sand inflow. Swab well for at least 3 hours before logging. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct after-frac PRISM GR/Temp/CCL log from 6100' up to 5300'. POH. RD & release electric line unit. **Note: Correlate logs and run flat with Baker Atlas GR/CBL/CCL Log conducted in Step # 5.**
15. Release pkr. POH LD 2 7/8" work string and pkr.
16. 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, 21 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 171 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 5315', with EOT at 6035' and SN at 6000'.
17. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release pulling unit.
18. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

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

Field: **Drinkard**

Reservoir: **Drinkard**

**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: U413500  
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

**Tbg Detail:**

BP @ 6775'  
1 jt. 2 3/8" tbg  
2 3/8" x 4' perf sub  
SN @ 6739'  
1 jt. 2 3/8" EUE 8R J-55 IPC tbg  
8 jts. 2 3/8" EUE 8R J-55 tbg  
TAC @ 6456'  
208 jts. 2 3/8" EUE 8R J-55 tbg

**Perfs:**

6690-94'  
6706-10'  
6717-21'

**Status:**

Drinkard - Open  
Drinkard - Open  
Drinkard - Open

**COTD:** 6804'  
**PBTD:** 6804'  
**TD:** 6850'

**Updated:** 3/29/06

**By:** A. M. Howell

**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

Prop Code  
2710

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'

**Proposed**  
**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

**Intern. 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
171	Jts. 2 7/8" EUE 8R J-55 Tbg	5301.00
	TAC	3.15
21	Jts. 2 7/8" EUE 8R J-55 Tbg	651.00
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
194	Bottom Of String >>	6034.75

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

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

Updated: 3/29/06

By: A. M. Howell

**Perfs:**

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

**Status:****Perfs:**

6690-94' Drinkard - Below CIBP  
 6706-10' Drinkard - Below CIBP  
 6717-21' Drinkard - Below CIBP

**Status:**

**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

## 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**

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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 30-025-29092	<sup>2</sup> Pool Code 6660	<sup>3</sup> Pool Name BLINEBRY OIL AND GAS
<sup>4</sup> Property Code 2710	<sup>5</sup> Property Name W.A. RAMSEY NCT-B	<sup>6</sup> Well No. 8
<sup>7</sup> OGRID Number 4323	<sup>8</sup> Operator Name CHEVRON USA INC	<sup>9</sup> Elevation 3515' GL

<sup>10</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
A	25	21-S	36-E		905'	NORTH	990'	EAST	LEA

<sup>11</sup> 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>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

<sup>16</sup>

<b>17 OPERATOR CERTIFICATION</b>
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
Signature <i>Denise Pinkerton</i>
Printed Name Denise Pinkerton
Position Regulatory Specialist
Date 4/6/2006
<b>18 SURVEYOR CERTIFICATION</b>
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.

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

**Mull, Donna, EMNRD**

**From:** Phillips, Dorothy, EMNRD  
**To:** Mull, Donna, EMNRD  
**Cc:**  
**Subject:** RE: Financial Assurance Requirement  
**Attachments:**

**Sent:** Tue 4/11/2006 9:32 AM

All except Three Span have blanket bonds and Three Span has no approved bonding as of yet. They are submitting a one-well bond for the API 30-025-37791 you gave me. None of these appear on Jane's list.

---

**From:** Mull, Donna, EMNRD  
**Sent:** Tuesday, April 11, 2006 9:28 AM  
**To:** Phillips, Dorothy, EMNRD  
**Cc:** Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD  
**Subject:** Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirement for these Operators OK?

Devon Energy Producing Co LP ( 6137)  
Chevron USA Inc (4323)  
Platinum Exploration Inc (227103)  
Marathon Oil Co (14021)  
Three Span Oil & Gas Inc (184905)

Please let me know. Thanks Donna