

PNRM0830441741

C-103 Received 10-29-2008
DHC No. Assigned 10-30-2008

	Order Number	API Number	Operator	County	
	HOB-0275	30-025-12161	Chevron USA Inc.	Lea	
	Order Date	Well Name	Number	Location	
		Vivian	003	E UL	30 Sec
				225 T (+Dir)	38E R (+Dir)
			Oil %	Gas %	
Pool 1	06660	Blinebry Oil & Gas (Oil)	58%	63%	
Pool 2	07900	Brunson Drinkard Abo, South	42%	37%	
Pool 3					
Pool 4					
Comments:					

Posted to
RBOms
10-30-2008

3

DOWNHOLE COMMINGLE CALCULATIONS:

30-025-12161
H 00-0275

OPERATOR: Chevron USA Inc.

PROPERTY NAME: Vivian

WNULSTR: 3-E, 30-22-38

SECTION I:

POOL NO. 1 Blinberry Oil & Gas (Oil) ALLOWABLE AMOUNT 107 428 MCF 4000

POOL NO. 2 Branson Drinkard Abo, South 142 852 MCF 6000

POOL NO. 3 _____ MCF

POOL NO. 4 _____ MCF

POOL TOTALS 249 1280

SECTION II:

POOL NO. 1 Blinberry Oil & Gas (Oil) Oil 58% $\times 249 = 144.42$ Gas 63%

POOL NO. 2 Branson Drinkard Abo, South 42% 37%

POOL NO. 3 _____

POOL NO. 4 _____

OIL

GAS

SECTION III:

$107 \div 58\% = 184.483 (185)$ _____

SECTION IV:

$185 \times 58\% = 107.30 (107)$ _____

$185 \times 42\% = 77.70 (78)$ _____

Submit 3 copies to Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88248
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rte. 180, Roswell, NM 88201
District IV
220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-12161
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Vivian
8. Well Number 3
9. OGRID Number 4323
10. Pool name or Wildcat Blinebry/ Drinkard-Abo

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Chevron U.S.A. Inc.

3. Address of Operator
15 Smith Road Midland, TX 79705

4. Well Location
Unit Letter **E** : **1980** feet from the **North** line and **660** feet from the **West** line
Section **30** Township **22S** Range **38E** NMPM County **LEA**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3333' (GL)

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
WELL OR ALTER CASING ☐ MULTIPLE COMPL ☐
OTHER: **DHC Blinebry//Brunson; Drinkard-Abo, South** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

UNDER THE PROVISION OF RULE 303C (5) IT IS PROPOSED TO DOWNHOLE COMMINGLE PRE-APPROVED POOLS, BLINEBRY OIL & GAS (6660) (5446-5824') & BRUNSON; DRINKARDABO, SOUTH (7900) (6390-7150') IN THE CAPTIONED WELL. PRODUCTION WILL BE ALLOCATED BACK TO THE THREE POOLS BASED ON THE PERCENTAGES SHOWN IN THE ATTACHED SUPPORT DATA.

DHC Order No. HOB-0275

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE *[Signature]* TITLE PETR. ENGINEER DATE 10/23/2008

Type or print name
For State Use Only

E-mail address:

Telephone No. **OCT 30 2008**

APPROVED BY: *[Signature]* TITLE PETROLEUM ENGINEER DATE _____

Conditions of Approval (if any):

Request for exemption to rule 303-A
FOR WELLS LOCATED IN PRE-APPROVED POOLS OR AREAS

Operator

Chevron U.S.A., Inc.
15 Smith Road
Midland, TX 79705

Lease Name and Well Number

Vivian #3
30-025-12161
1980' FNL & 660' FWL, Unit Letter E
Section 30, T22S, R38E
Lea County, New Mexico

Division Order

Pre-approved Pools or Areas established by division order # R-11363

Pools To Be Commingled In T.R. Andrews #9

(6660) Blinebry Oil & Gas (OIL)
(7900) Brunson; Drinkard-Abo, South (OIL)

Perforated Intervals

Blinebry Oil & Gas (5491-6044')
Brunson; Drinkard-Abo, South (6306-7073')

Location Plat

Attached

Test Report & Production Plots

Attached.

Product Characteristics And Value

Previous commingling of these zones by Chevron and other operators in the area have shown that the produced fluids are compatible and commingling will not cause formation damage or producing problems. Also, the price received by Chevron for products from these zones is very similar, so value will not be adversely affected.

Production Allocation

<u>Pool</u>	<u>BOPD</u>	<u>BWPD</u>	<u>MCFPD</u>	<u>Remarks</u>
Blinebry	12	25	126	Calculated From Allocations %
Brunson; Drinkard Abo, South	8	25	74	Calculated From Allocations %
Totals	20	50	200	

<u>Allocated %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Gas %</u>	<u>Remarks</u>
Blinebry	58	50	63	From offset EUR
Brunson; Drinkard Abo, South	42	50	37	From offset EUR
Totals	100	100	100	

Ownership

Ownership of all zones is identical so correlative rights will not be compromised.

State / Federal Land Notification

This is a FEE lease

District I
1625 N French Drive, Hobbs NM 88240

District II
1301 W Grand Avenue, Artesia NM 88210

District III
1000 Rio Brazos Road, Artesia NM 88210

Pools
District IV
1220 S St Francis Dr Santa Fe NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

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

APPLICATION TYPE
☒ Single Well
☐ Establish Pre-Approved

EXISTING WELLBORE
☐ Yes ☒ No

APPLICATION FOR DOWNHOLE COMMINGLING

Chevron Corporation
Operator

15 Smith Road, Midland TX 79705
Address

Vivian #3 E-30-22S-38E Lea
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 4323 Property Code 2566 API No. 30-025-12161 Lease Type: Federal State X Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blinebry Oil & Gas		Brunson, Drinkard-Abo, South
Pool Code	6660		7900
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5446-5824' Perforated		6390-6850' Perforated 7000-7150' Open hole
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	n/a		n/a
Oil Gravity or Gas BTU (Degree API or Gas BTU)	36°		36°
Producing, Shut-In or New Zone	Producing		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: Estimated Oil Gas 12 BBL 126 MCF	Date: Estimated Oil Gas -	Date: Estimated Oil Gas 8 BBL 74 MCF
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 58% 63%	Oil Gas -	Oil Gas 42% 37%

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐
Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐
Will commingling decrease the value of production? Yes ☐ No ☒
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes ☐ No ☐

MOCD Reference Case No. applicable to this well: _____

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE Lonnie Grohman TITLE Petroleum Engineer DATE 10/23/2008

TYPE OR PRINT NAME Lonnie Grohman TELEPHONE NO. (432) 687-7420

E-MAIL ADDRESS lgek@chevron.com

District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Pardo, Ed. Potosi, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised March 17, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-12161	² Pool Code 6660	³ Pool Name Blinebry Oil & Gas
⁴ Property Code 2737	⁵ Property Name Vivian	⁶ Well Number 3
⁷ OGRID No 4323	⁸ Operator Name Chevron U.S.A., Inc.	⁹ Elevation 3333' (GL)

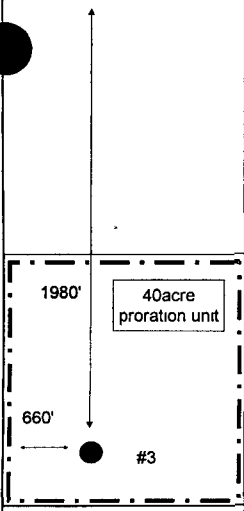

¹⁰ Surface Location

UL or Lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	30	22S	38E		1980	North	660	West	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 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

				<p>¹ OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p> <p> Signature Lonnie Grohman Printed Name Petr. Engineer Date 10/23/2008</p>	
					<p>¹ SURVEYOR CERTIFICATION</p> <p><i>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</i></p> <p>Signature and Seal of Professional Surveyor</p> <p>Certificate Number</p>

District I
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811 South First, Artesia, NM 88210

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2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised March 17, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-12161	² Pool Code 7900	³ Pool Name Brunson; Drinkard-Abo, South
⁴ Property Code 2737	⁵ Property Name Vivian	⁶ Well Number 3
⁷ OGRID No 4323	⁸ Operator Name Chevron U.S.A., Inc.	⁹ Elevation 3333' (GL)

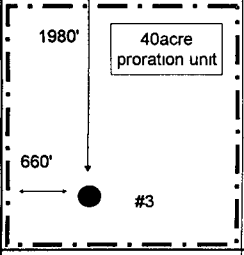
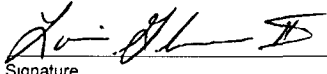
¹⁰ Surface Location

UL or Lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	30	22S	38E		1980	North	660	West	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
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					Certificate Number

Vivian #3

Location:

T22S, R38E, Sec 30, 1980' FNL & 660' FWL
Unit Letter: E
Field: Brunson South
County: Lea
State: NM
Area: Hobbs

Well Info:

Spud Date: 6/4/1947
API: 30-025-12161
Cost Center:
WBS#:
RefNO: FB3106
Lease: FEE

Current Wellbore Diagram

Elevations:

DF:
KB:
GL: 3333'

Abo (open hole):

8/2/1947 - Acidize w/1,000 gals XF16 and Dowell electric pilot
8/4/1947 - Acidize w/3,000 gals XF16 and Dowell electric pilot
8/6/1947 - Plug back

Drinkard:

8/7/1947 - Perf 6770-6850', swabbed dry didn't acidize
8/11/1947 - Perf 6615-55'
8/12/1947 - Perf 6570-6600', acidized w/1,000 gals (chemical process)
8/14/1947 - Plug back
8/15/1947 - Perf 6390-6430'
8/17/1947 - Acidize w/1,000 gals
8/20/1947 - Acidize w/3,000 gals
12/18/1973 - Perf 6250-6358', frac w/9,000 gals 20/40 sand
8/24/1973 - Acidize w/500 gals
9/13/1983 - Plug back

Blinebry:

9/14/1983 - Perf 5446-5824'
9/15/1983 - Acidized w/8,000 gals 15% NEFE HCL and 72 ball sealers
9/19/1983 - Frac w/60,000 gals & 73,500# 20/40 sand, use ball sealers
1/20/1990 - Pump 200 gals Xylene & 750 gals 15% NEFE HCL acid

CIBP @ 6200' w/35' cmt on top

CIBP @ 6550' w/6sks on top

CIBP @ 6750' w/6sks on top

Updated:

By: LGEK
PBD: 6165'
TD: 7,150'

Surface Casing

Size: 13-3/8" 48#
Set @ 295'
With: 300 sks
Hole Size: 17-1/2"
Circ: Yes
TOC @ Surface

Intermediate Casing

Size: 9-5/8" 36#
Set @ 2925'
With: 1615 sks
Hole Size: 12-1/4"
Circ: No
TOC @ 1615'
By: T S

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 below. Verify what is in the hole with well file in the Eunice Field Office. C w/ WEO Engineer, WO Rep, OS, ALS, & to rigging up on well regarding any h: unknown issues pertaining

Perfs:	Zone:	Status:
5446-48'	Blonebry	Open -4 JHPF
5477-79'	Blonebry	Open -4 JHPF
5527-29'	Blonebry	Open -4 JHPF
5549-96'	Blonebry	Open -4 JHPF
5640-42'	Blonebry	Open -4 JHPF
5722-24'	Blonebry	Open -4 JHPF
5822-24'	Blonebry	Open -4 JHPF

Perfs:	Zone:	Status:
6390-6430'	Dnnkard/Abo	Open -6 JHPF
6250-52'	Dnnkard/Abo	Open
6285-87'	Dnnkard/Abo	Open
6334-36'	Dnnkard/Abo	Open
6356-58'	Dnnkard/Abo	Open

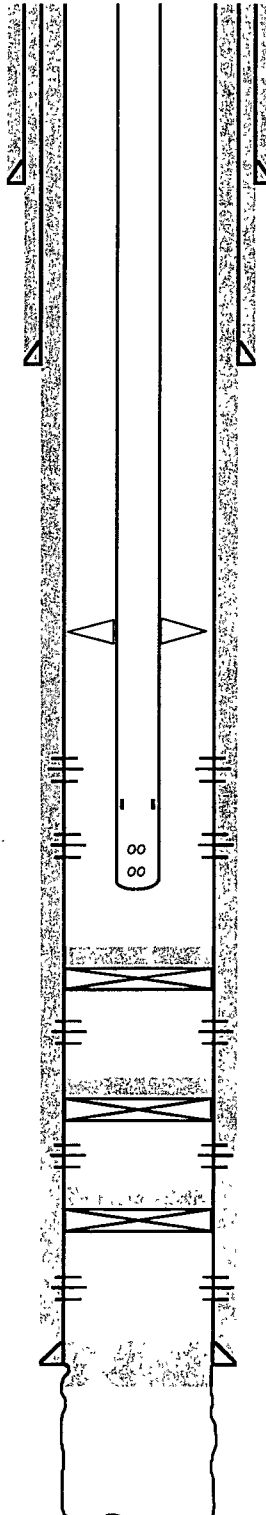
Perfs:	Zone:	Status:
6615-6655'	Dnnkarad/Abo	Open -6 JHPF
6570-6600'	Dnnkarad/Abo	Open -6 JHPF

Perfs:	Zone:	Status:
6770-6850'	Dnnkarad/Abo	Open -6 JHPF

Production Casing

Size: 7" 23# N-80 & J-55
Set @ 7000'
With: 700 sks
Hole Size: 8-3/4"
TOC: 2910'
By: TS

Abo Open Hole 7,000-7150'



Vivian #3

Location:

T22S, R38E, Sec 30, 1980' FNL & 660' FWL
Unit Letter: E
Field: Brunson South
County: Lea
State: NM
Area: Hobbs

Well Info:

Spud Date: 4/30/1905
API: 30-025-12161
Cost Center:
WBS#:
RefNO: FB3106
Lease: FEE

Proposed Wellbore Diagram

Elevations:

DF:
KB:
GL: 3333'

Abo (open hole):

8/2/1947 - Acidize w/1,000 gals XF16 and Dowell electric pilot
 8/4/1947 - Acidize w/3,000 gals XF16 and Dowell electric pilot
 8/6/1947 - Plug back

Drinkard:

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Surface Casing

Size: 13-3/8" 48#
Set @: 295'
With: 300 sks
Hole Size: 17-1/2"
Circ: Yes
TOC @: Surface

Intermediate Casing

Size: 9-5/8" 36#
Set @: 2925'
With: 1615 sks
Hole Size: 12-1/4"
Circ: No
TOC @: 1615'
By: T S

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

Perfs:	Zone:	Status:
5446-48'	Blinebry	sqz'd
5477-79'	Blinebry	sqz'd
5527-29'	Blinebry	sqz'd
5549-96'	Blinebry	sqz'd
5640-42'	Blinebry	sqz'd
5722-24'	Blinebry	sqz'd
5822-24'	Blinebry	sqz'd

Perfs:	Zone:	Status:
6390-6430'	Dnnkard/Abo	sqz'd
6250-52'	Dnnkard/Abo	sqz'd
6285-87'	Dnnkard/Abo	sqz'd
6334-36'	Dnnkard/Abo	sqz'd
6356-58'	Dnnkard/Abo	sqz'd

Perfs:	Zone:	Status:
6615-6655'	Dnnkarad/Abo	sqz'd
6570-6600'	Dnnkarad/Abo	sqz'd

Perfs:	Zone:	Status:
6770-6850'	Dnnkarad/Abo	sqz'd

Production Casing

Size: 7" 23# N-80 & J-55
Set @: 7000'
With: 700 sks
Hole Size: 8-3/4"
TOC: 2910'
By: TS

Open hole Abo 7000-7150'

Updated:

By: LGEK
PBTD: 7150'
TD: 7150'

