

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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

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

HOBBS OCD

FEB 06 2018

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Form C-104  
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

### I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address CHEVRON U.S.A. INC. 6301 DEAUVILLE BLVD. MIDLAND, TX 79706		<sup>2</sup> OGRID Number 4323
		<sup>3</sup> Reason for Filing Code/ Effective Date NEW WELL - 12/2017
<sup>4</sup> API Number 30 - 025-43613	<sup>5</sup> Pool Name JENNINGS; UPPER BONE SPRING, SHALE	<sup>6</sup> Pool Code 97838
<sup>7</sup> Property Code 317407	<sup>8</sup> Property Name SD WE 15 FED P12	<sup>9</sup> Well Number 1H

### II. <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
N	15	26S	32E		52	SOUTH	1385	WEST	LEA

### <sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	26S	32E		181	NORTH	343	WEST	LEA
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code - F	<sup>14</sup> Gas Connection Date - 12/01/2017	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

### III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
	WESTERN REFINING	O
	DBM	G
	OWL/MESQUITE/RECYCLE	W

### IV. Well Completion Data

<sup>21</sup> Spud Date 6/16/2017	<sup>22</sup> Ready Date 10/27/2017	<sup>23</sup> TD 13,947 / 8998	<sup>24</sup> PBTD 13,891	<sup>25</sup> Perforations 9,287 - 13,773	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
17.5	13 3/8	689	690		
12.25	9 5/8	4,512	1480		
8.75	5 1/2	13,937	1738		
	2 7/8	8,788			

### V. Well Test Data

<sup>31</sup> Date New Oil 12/01/2017	<sup>32</sup> Gas Delivery Date 12/01/2017	<sup>33</sup> Test Date 12/23/2017	<sup>34</sup> Test Length 24 HRS	<sup>35</sup> Tbg. Pressure 599	<sup>36</sup> Csg. Pressure 1,037
<sup>37</sup> Choke Size 56/64	<sup>38</sup> Oil 730	<sup>39</sup> Water 2,140	<sup>40</sup> Gas 1,377		<sup>41</sup> Test Method FLOWING

<sup>42</sup> I hereby certify that the rules 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:

Printed name:  
LAURA BECERRA

Title:  
PERMITTING SPECIALIST

E-mail Address:  
LBECERRA@CHEVRON.COM

Date:  
01/31/2018

Phone:  
(432) 687-7665

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will  
subsequently be reviewed  
and scanned

GCP 2-6-18

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

FEB 06 2018

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

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5. Lease Serial No.  
NMNM118723

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

SD WE 15 FED P12 1H

2. Name of Operator  
CHEVRON U.S.A.Contact: LAURA BECERRA  
E-Mail: LBECERRA@CHEVRON.COM9. API Well No.  
30-025-436133a. Address  
6301 DEAUVILLE BLVD.  
MIDLAND, TX 797063b. Phone No. (include area code)  
Ph: 432-687-766510. Field and Pool or Exploratory Area  
JENNINGS;UPR BN SPR SHALE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 15 T26S R32E Mer NMP 52FSL 1385FWL

11. County or Parish, State

LEA COUNTY COUNTY, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

THIS REPORT IS FOR THE SPUD, DRILLING OPERATIONS AND COMPLETION OF THE SUBJECT NEW WELL

PLEASE FIND ATTACHED:

- Drilling and completion summary
- "As Drilled" C-102
- Wellbore schematic
- Actual wellpath report
- Perforation summary
- Frac summary

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #401011 verified by the BLM Well Information System  
For CHEVRON U.S.A., sent to the Hobbs**

Name (Printed/Typed) LAURA BECERRA

Title PERMITTING SPECIALIST

Signature (Electronic Submission)

Date 01/16/2018

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_  
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person known to the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

the United

Pending BLM approvals will  
subsequently be reviewed  
and scanned

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

FEB 06 2018

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator CHEVRON USA			Contact: LAURA BECERRA E-Mail: LBECERRA@CHEVRON.COM		
3. Address 6301 DEAUVILLE BLVD. MIDLAND, TX 79706			3a. Phone No. (include area code) Ph: 432-687-7665		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 52FSL 1385FWL At top prod interval reported below 181FNL 343FWL At total depth 181FNL 343FWL			8. Lease Name and Well No. SD WE 15 FED P12 1H		
14. Date Spudded 06/16/2017			15. Date T.D. Reached 08/02/2017		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/27/2017			9. API Well No. 30-025-43613		
18. Total Depth: MD TVD 13947 8998			19. Plug Back T.D.: MD TVD 13891		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory JENNINGS;UPR BN SPR SHALE		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/JB, CBL			11. Sec., T., R., M., or Block and Survey or Area Sec 15 T26S R32E Mer NMP		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			12. County or Parish LEA		
			13. State NM		
			17. Elevations (DF, KB, RT, GL)* 3149 GL		

## 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	33	689		690		36	
12.250	9.625 L-80	40.0	33	4512		1480		36	
8.750	5.500 HCP110	20.0	33	13937		1738		36	

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	8788	8767						

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
UPR BONE SPRING SHALE	9287	13773	9287 TO 13773			PRODUCING - SEE DETAILED PE
B)						
C)						
D)						

## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
9287 TO 13773	FRAC WITH TOTAL PROPPANT - 7,383,325.00 LBS **SEE DETAILED FRAC SUMMARY ATTACHED

## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/01/2017	12/23/2017	24	→						FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
56/64	599	1037.0	→	730	1377	2140	1863	POW	

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
			→				

Pending BLM approvals will  
subsequently be reviewed  
and scanned

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #401839 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
CASTILLE	2698	4533	ANHYDRITE	CASTILLE	2698
LAMAR	4534	4563	LIMESTONE	LAMAR	4534
BELL CANYON	4564	5529	SANDSTONE	BELL CANYON	4564
CHERRY CANYON	5530	7090	SANDSTONE	CHERRY CANYON	5530
BRUSHY CANYON	7091	8698	SANDSTONE	BRUSHY CANYON	7091
BONE SPRING LIME	8699	8753	SHALE/LIMESTONE	BONE SPRING LIME	8699
UPPER AVALON	8754		SHALE/LIMESTONE	UPPER AVALON	8754

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #401839 Verified by the BLM Well Information System.  
For CHEVRON USA, sent to the Hobbs

Name (please print) LAURA BECERRA

Title PERMITTING SPECIALIST

Signature (Electronic Submission)

Date 01/22/2018

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\*



**SD WE 15 FED P12 1H**

**30-025-43613**

**DRILLED NEW OIL WELL AS FOLLOWS:**

06/16/2017: SPUD WELL. Drill 138' – 699' TD, surface hole.

**SURFACE CASING**

6/16/2017: Run 13 3/8", 54.5#, J-55 STC surface casing & set @ 689'.

6/17/2017: Schlumberger cemented w/TAI 690 sx Class C. Density: 14.80, Yield: 1.33, Fluid Mix Ratio: 6.37. Returns to surface: 105 bbls of cement to surface.

Displace cement with 96.5 bbls of FW. Bump plug, hold 640 psi over. Plug bumped on calculated displacement.

Install test plug. Fill stack & chock manifold. Test full BOPE to 250 psi low/5000 psi high. (3500 high on annular)

6/18/2017: Test 13 3/8" surface casing to 1,500 psi for 30 minutes. Good test. Drill out float equip, cmt & rathole to 699'. Drill 10' of new formation to 709'.

6/18/2017-6/19/2017: Drill 709'-4,522'

**INTERMEDIATE CASING**

6/20/2017: TD intermediate hole

Run 9 5/8", 40#, L-80 LTC csg & set @ 4,512'.

Schlumberger cemented w/LEAD 1,016 sx Class C, Density: 11.90, Yield: 2.43, Fluid mix ratio: 13.97; TAIL 464 sx Class C, Density: 14.80, Yield: 1.33, Fluid Mix Ratio: 6.37.

Displace cement w/335 bbls OBM. Bump plug w/500 psi over final circ pressure. Cement to surface: 235 bbls cement. Full returns throughout job. Plug bumped at calc displacement.

6/21/2017: Install pack off. Test to 5000 psi for 15 mins. Good test.

7/21/2017: Full BOPE test. Test full BOPE to 250 psi low/5000 psi high (3500 psi on annular)

7/22/2017: TOC @ 4,401'. Test 9 5/8" csg to 2850 psi for 30 minutes. Good test. Drill out float equip, cmt & rathole to 4,422'. Drill 10' new formation to 4,432'.

7/22/2017 – 8/2/2017: Drill 4,532'-13,947' TD

**PRODUCTION CASING**

8/03/2017-8/4/2017: Run 5 1/2", 20#, HCP-110 TXP BTC casing to 13,937'.

Schlumberger cemented w/LEAD 700 sx, Class H, Density: 11.50, Yield: 2.51, Fluid mix ratio: 15.51.

LEAD 914 sx, Class H, Density: 12.50, Yield: 1.62, Fluid mix ratio: 9.64.

TAIL 124 sx, Class H, Density: 15.00, Yield: 2.18, Fluid Mix Ratio: 11.42.

Displace cmt w/20 bbls of acid and 287 bbls of FW. Bump plug. Hold 500 psi over.

Full returns throughout job. Plug bumped on proper displacement. Conduct 30 min inflow/negative test.

8/05/2017: Release rig @ 10:15 hrs

**COMPLETED NEW DRILL AS FOLLOWS:**

TOC @ 950', PBTD @ 13,891'

9/4/2017: MIRU

9/7/2017: Run CBL, TIH @ 8740'. Log CBL to surface.

9/10/2017: Test Production casing to 9800 psi 30 min. Good.

10/15/2017: MIRU frac equipment

10/15/2017-10/27/2017: Perf & frac 23 stages Upper Bone Spring from 9,287'-13,773'. Frac w/TotalProppant 7,383,325.00 lbs.

\*\*SEE ATTACHED DETAILED PERF & FRAC REPORT

11/21/2017: Ran 2 7/8" tubing set @ 8,788.3'. Packer @ 8,791'

11/22/2017: Release rig

12/1/2017: Place well on production

12/23/2017: On 24 hour OPT flowing:

Oil – 730

Gas – 1377

Water – 2140

GOR – 1863

Tubing psi – 599

Casing psi – 1037

Choke – 56/64

TOC – 950

## Perforation/Frac/Stimulation Details

Date	Top (FtKB)	Btm (FtKB)	Sand Pumped	Total Sand (Lbs)	Clean Fl./BBLs	Slur Vol/BBLs
10/26/2017	9,287	9,470	Sand 100 & 30/50	321,805	8,526	8,874
10/26/2017	9,483	9,666	Sand 100 & 30/50	323,820	8,736	9,087
10/25/2017	9,679	9,862	Sand 100 & 30/50	322,374	9,885	10,234
10/25/2017	9,878	10,058	Sand 100 & 30/50	322,153	8,647	8,996
10/25/2017	10,071	10,254	Sand 100 & 3rd Sand type	321,015	8,537	8,884
10/24/2017	10,267	10,450	Sand 100 & 3rd Sand type	321,679	8,489	8,837
10/24/2017	10,463	10,646	Sand 100 & 3rd Sand type	320,278	10,895	11,242
10/23/2017	10,662	10,842	Sand 100 & 3rd Sand type	322,883	8,352	8,701
10/22/2017	10,855	11,036	Sand 100 & PW 40/70	321,262	8,480	8,832
10/22/2017	11,051	11,234	Sand 100 & PW 40/70	323,175	8,749	9,104
10/21/2017	11,250	11,430	Sand 100 & PW 40/70	321,119	8,293	8,645
10/21/2017	11,443	11,623	Sand 100 & PW 40/70	324,536	8,757	9,113
10/21/2017	11,639	11,822	Sand 100 & PW 40/70	322,111	8,732	9,085
10/20/2017	11,835	12,018	Sand 100 & PW 40/70	322,061	8,431	8,784
10/20/2017	12,031	12,214	Sand 100 & PW 40/70	321,838	8,813	9,166
10/19/2017	12,227	12,410	Sand 100 & PW 40/70	321,021	8,363	8,715
10/19/2017	12,423	12,606	Sand 100 & PW 40/70	321,413	8,909	9,261
10/18/2017	12,619	12,802	Sand 100 & PW 40/70	320,873	8,504	8,856
10/18/2017	12,815	12,998	Sand 100 & PW 40/70	321,056	8,721	9,073
10/17/2017	13,011	13,194	Sand 100 & PW 40/70	321,376	9,423	9,776
10/17/2017	13,207	13,390	Sand 100 & PW 40/70	321,274	8,808	9,161
10/16/2017	13,403	13,586	Sand 100 & PW 40/70	321,252	8,819	9,171
10/15/2017	13,599	13,773	Sand 100 & PW 40/70	322,441	9,502	9,855

10/15/2017 - 10/27/2017 : Perf and frac 23 stages, Upper Bone Spring, from 9,287' - 13,773'. Frac with **total Proppant 7,383,325 lbs.**