

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

Form C-104  
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

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

<sup>1</sup> Operator name and Address LEGACY RESERVES OPERATING LP PO BOX 10848 MIDLAND, TX 79702		<sup>2</sup> OGRID Number 240974
		<sup>3</sup> Reason for Filing Code/ Effective Date NW/01-11-2016
<sup>4</sup> API Number 30 - 025-42949	<sup>5</sup> Pool Name LEA; BONE SPRING	<sup>6</sup> Pool Code 37570
<sup>7</sup> Property Code 302802	<sup>8</sup> Property Name LEA UNIT	<sup>9</sup> Well Number 54H

**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
B	11	20S	34E		170	N	1740	E	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
G	14	20S	34E		2310	N	1750	E	LEA

<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
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**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
34053	PLAINS MARKETING, L.P. 500 DALLAS, STE. 700, HOUSTON, TX	OIL
24650	TARGA MIDSTREAM SERVICES LLC 1000 LOUISIANA, STE. 4700, HOUSTON, TX 77002	GAS

**IV. Well Completion Data**

<sup>21</sup> Spud Date 11/23/2015	<sup>22</sup> Ready Date 01/11/2016	<sup>23</sup> TD 17,971' MD	<sup>24</sup> PBDT	<sup>25</sup> Perforations 11,246'-17,909'	<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 1/2"	13 3/8"	1756'	1450 SX		
12 1/4"	9 5/8"	5400'	2225 SX		
8 3/4"	5 1/2"	17,971'	3600 SX		

**V. Well Test Data**

<sup>31</sup> Date New Oil 01/12/2016	<sup>32</sup> Gas Delivery Date 01/12/2016	<sup>33</sup> Test Date 01/20/2016	<sup>34</sup> Test Length 24 HRS	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure 1380#
<sup>37</sup> Choke Size	<sup>38</sup> Oil 1156	<sup>39</sup> Water 1587	<sup>40</sup> Gas 1051		<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 PINA

Title: COMPLIANCE COORDINATOR

E-mail Address: lpina@legacylp.com

Date: 03/02/2017

Phone: 432-689-5200

OIL CONSERVATION DIVISION

Approved by: 

Title: Petroleum Engineer

Approval Date: 03/10/17

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

COPY

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

2. Name of Operator **LEGACY RESERVES OPERATING LP-Mail: pdarden@legacylp.com** Contact: D. PATRICK DARDEN, PE

3. Address **PO BOX 10848  
MIDLAND, TX 79702** 3a. Phone No. (include area code)  
Ph: 432-689-5200

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface **Sec 11 T20S R34E Mer  
NWNE 170FNL 1740FEL**  
At top prod interval reported below  
**Sec 14 T20S R34E Mer**  
At total depth **SWNE 2310FNL 1750FEL**

5. Lease Serial No.  
**NMNM06531A**

6. If Indian, Allottee or Tribe Name \_\_\_\_\_

7. Unit or CA Agreement Name and No. \_\_\_\_\_

8. Lease Name and Well No.  
**LEA UNIT 54H**

9. API Well No. **30-025-42949**

10. Field and Pool, or Exploratory  
**LEA; BONE SPRING**

11. Sec., T., R., M., or Block and Survey  
or Area **Sec 11 T20S R34E Mer**

12. County or Parish  
**LEA** 13. State  
**NM**

14. Date Spudded  
**11/23/2015** 15. Date T.D. Reached  
**12/15/2015** 16. Date Completed  
☐ D & A ☒ Ready to Prod.  
**01/11/2016**

17. Elevations (DF, KB, RT, GL)\*  
**3679 GL**

18. Total Depth: MD **17971** TVD **10892** 19. Plug Back T.D.: MD **17971** TVD **10892** 20. Depth Bridge Plug Set: MD **17971** TVD **10892**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**GR-CCL** 22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☐ No ☒ Yes (Submit analysis)

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	1756		1450		0	
12.250	9.625 HCL-80	40.0	0	5400		2225		0	
8.750	5.500 HCP-110	20.0	0	17971		3600		0	

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	10281							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11246	11909	11246 TO 17909	0.410	828	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
11246 TO 17909	FRAC'D W/7,139,282# SAND & 245,864 BBLs

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
01/12/2016	01/20/2016	24	→	1156.0	1051.0	1587.0	39.0	0.55	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	
		1380.0	→	1156	1051	1587	910	POW	

28a. Production - Interval B

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	
			→						

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

ELECTRONIC SUBMISSION #368744 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
			24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
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
			24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
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
BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD BONE SPRING	8320 9489 10136 10868	8840 10136 10868 10996		BELL BRUSHY CANYON BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD BONE SPRING	5567 6569 8320 9489 10136 10868

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

DIRECTIONAL SURVEY ATTACHED. LOG WILL BE MAILED TO THE BLM CARLSBAD OFFICE.

## 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 #368744 Verified by the BLM Well Information System.

For LEGACY RESERVES OPERATING LP, sent to the Hobbs

Name (please print) D. PATRICK DARDEN, PE

Title SR. ENGINEERING ADVISOR

Signature \_\_\_\_\_ (Electronic Submission)

Date 03/03/2017

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 \*\***