

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/11-26-2016
<sup>4</sup> API Number 30 - 025-43146	<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 48H

**II. <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
N	01	20S	34E		630	S	2180	W	LEA

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

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	12	20S	34E		336	S	2188	W	LEA

<sup>12</sup> Lse Code	<sup>13</sup> Producing Method Code	<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
F	P				

**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	<sup>22</sup> Ready Date	<sup>23</sup> TD	<sup>24</sup> PBTB	<sup>25</sup> Perforations	<sup>26</sup> DHC, MC
10/15/2016	11/26/2016	15,068'	15,024'	10,533-14,985	
<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"		1724'	1500 sx
12 1/4"		9 5/8"		5600'	1800 sx
8 3/4"		5 1/2"		15,068'	3300 sx

**V. Well Test Data**

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date	<sup>34</sup> Test Length	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
02/04/2017	01/31/2017	02/04/2017	24 HRS	325#	150#
<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas	<sup>41</sup> Test Method	
	480	296	465	ESP	

<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: *Laura Pina*  
Printed name: LAURA PINA

Title: COMPLIANCE COORDINATOR

E-mail Address: lpina@legacylp.com

Date: 07/07/2017 Phone: 432-689-5200

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

*[Signature]*

08/29/17

Petroleum Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

HOBBS OCD  
AUG 07 2017

COPY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMM128366

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. LEA UNIT 48H

9. API Well No. 30-025-43146

10. Field and Pool, or Exploratory LEA; BONE SPRINGS

11. Sec., T., R., M., or Block and Survey or Area Sec 1 T20S R34E Mer

12. County or Parish LEA COUNTY

13. State NM

14. Date Spudded 10/15/2016

15. Date T.D. Reached 10/30/2016

16. Date Completed  D & A  Ready to Prod. 01/30/2017

17. Elevations (DF, KB, RT, GL)\* 3675 GL

18. Total Depth: MD 15068 TVD 9743

19. Plug Back T.D.: MD 15068 TVD 9743

20. Depth Bridge Plug Set: MD TVD

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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	1724		1500		0	
12.250	9.625 HCL80	40.0	0	5600		1800		0	
8.750	5.500 HCP110	20.0	0	15068		3300		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	9125							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	10533	14985	10533 TO 14985		540	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10533 TO 14985	TREAT WELL W/1710 BBLs ACID & 5,584,500# SD & 113,000 BBL WTR

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
02/04/2017	02/04/2017	24	→	480.0	465.0	296.0	38.0	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	325	150.0	→	480	465	296	968	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 #383272 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
BONE SPRING	8320	8840		BELL	5567
1ST BONE SPRING	9489	10136		BRUSHY CANYON	6569
2ND BONE SPRING	10136	10868		BONE SPRING	8320
3RD BONE SPRING	10868	10996		1ST BONE SPRING	9489
				2ND BONE SPRING	10136
				3RD BONE SPRING	10868

32. Additional remarks (include plugging procedure):  
Directional survey attached. Logs will be mailed to 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 #383272 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 07/31/2017

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.*

**HOBBS OCD**  
**AUG 07 2017**  
**RECEIVED**

5. Lease Serial No.  
NMMN128366

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
LEA UNIT 48H >

9. API Well No.  
30-025-43146

10. Field and Pool or Exploratory Area  
LEA; BONE SPRING

11. County or Parish, State  
LEA CO COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

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

3a. Address  
303 W WALL ST SUITE 1800  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 432-689-5200

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 1 T20S R34E SESW 630FSL 2180FWL

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

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
	<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 recomple 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 recomple 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.

11/08/2016 Ran Gamma Ray/CCL log.

11/21-26/2016 Perf Bone Spring fr/10,533'-14,985' MD w/540 shots. Treated well w/1,710 bbls 10% acid, 5,584,500# sand & 113,000 BW.

11/27-12/12/2016 Drilled out plugs.

12/13/2016 Began flowback operations.

02/04/2017 Date of first production.

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

**Electronic Submission #377230 verified by the BLM Well Information System  
For LEGACY RESERVES OPERATING LP, sent to the Hobbs**

Name (Printed/Typed) D. PATRICK DARDEN, PE Title SR. ENGINEERING ADVISOR

Signature (Electronic Submission) Date 05/24/2017

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

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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.

Office \_\_\_\_\_

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.