

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

AUG 21 2017

RECEIVED

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address LEGACY RESERVES OPERATING LP PO BOX 10848 MIDLAND, TX 79702		² OGRID Number 240974
		³ Reason for Filing Code/ Effective Date NW/05-21-2017
⁴ API Number 30 - 025-43143	⁵ Pool Name LEA; BONE SPRING	⁶ Pool Code 37570
⁷ Property Code 302802	⁸ Property Name LEA UNIT	⁹ Well Number 45H

II. ¹⁰ Surface Location

Ul or lot no. M	Section 01	Township 20S	Range 34E	Lot Idn	Feet from the 630	North/South line S	Feet from the 710	East/West line W	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	-----------------------	----------------------	---------------------	---------------

¹¹ Bottom Hole Location

Ul or lot no. M	Section 12	Township 20S	Range 34E	Lot Idn	Feet from the 340	North/South line S	Feet from the 648	East/West line W	County LEA
--------------------	---------------	-----------------	--------------	---------	----------------------	-----------------------	----------------------	---------------------	---------------

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
-----------------------------	--	-----------------------------------	-----------------------------------	------------------------------------	-------------------------------------

III. Oil and Gas Transporters

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

IV. Well Completion Data

²¹ Spud Date 03/25/2017	²² Ready Date 05/21/2017	²³ TD 15,769'	²⁴ PBTD 15,722'	²⁵ Perforations 11,155'-15,699'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	1790'	1500 sx		
12 1/4"	9 5/8"	5430'	1900 sx		
8 3/4"	5 1/2"	15,769'	2600 sx		
	2 7/8"	9,730'			

V. Well Test Data

³¹ Date New Oil 05/25/2017	³² Gas Delivery Date 06/09/2017	³³ Test Date 06/10/2017	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure 410	³⁶ Csg. Pressure 150
³⁷ Choke Size	³⁸ Oil 455	³⁹ Water 1180	⁴⁰ Gas 102		⁴¹ Test Method Producing

⁴² 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:
08/17/2017

Phone:
432-689-5200

OIL CONSERVATION DIVISION

Approved by:

Title:

Petroleum Engineer

Approval Date:

08/29/17

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

AUG 21 2017

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

COPY

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.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM02127B
2. Name of Operator LEGACY RESERVES OPERATING LP Contact: D. PATRICK DARDEN, PE E-Mail: pdarden@legacylp.com		6. If Indian, Allottee or Tribe Name
3a. Address 303 W WALL ST SUITE 1800 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-689-5200	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T20S R34E SWSW 630FSL 710FWL		8. Well Name and No. LEA UNIT 45H
		9. API Well No. 30-025-43143
		10. Field and Pool or Exploratory Area LEA; BONE SPRING
		11. County or Parish, State LEA CO 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
	<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 recomplete 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 recompletion 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.

05/01/2017 Ran Gamma Ray/CCL log.

05/15-21/2017 Perf Bone Spring fr/11,155'-15,699' MD w/660 shots. Treated well w/2,118 bbls 10% acid, 5,725,648# sand & 143,352 BW.

05/22-23/2017 Drilled out plugs.

05/23-24/2017 Flowback operations.

05/25/2017 Date of first production.

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

**Electronic Submission #385045 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 08/17/2017

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.

(Instructions on page 2)

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

AUG 21 2017

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM02127B

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

8. Lease Name and Well No.
LEA UNIT 45H

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

3a. Phone No. (include area code)
 Ph: 432-689-5200 Ext: 5237

9. API Well No.
30-025-43143

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

Sec 1 T20S R34E Mer
 At surface SWSW 630FSL 710FWL

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

At top prod interval reported below FSL FWL

Sec 12 T20S R34E Mer
 At total depth SWSW 340FSL 648FWL

11. Sec., T., R., M., or Block and Survey
or Area Sec 1 T20S R34E Mer12. County or Parish
LEA COUNTY13. State
NM

14. Date Spudded
 03/25/2017

15. Date T.D. Reached
 04/11/2017

16. Date Completed
☐ D & A ☒ Ready to Prod.
 05/21/2017

17. Elevations (DF, KB, RT, GL)*
3673 GL

18. Total Depth: MD 15769
 TVD 10410

19. Plug Back T.D.: MD 15769
 TVD 10410

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	1790		1500		0	
12.250	9.625 HCL80	40.0	0	5430		1900		0	
8.750	5.500 HCP110	20.0	0	15769		2600		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	9730							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11155	15699	11155 TO 15699		660	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
11155 TO 15699	TREAT WELL W/2,118 BBLs ACID & 5,725,648# SD & 143,352 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
05/25/2017	06/10/2017	24	→	455.0	102.0	1180.0	42.6	0.81	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	410	150.0	→	455	102	1180	224	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. SI	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 #385051 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
BELL CANYON	7507	8473		BELL CANYON	7507
BRUSHY CANYON	8473	8778		AVALON	8778
AVALON	8778	9498		1ST BONE SPRING	9498
1ST BONE SPRING	9498	10035		2ND BONE SPRING	10035
2ND BONE SPRING	10035	10693		3RD BONE SPRING	10693
3RD BONE SPRING	10693	10990			

32. Additional remarks (include plugging procedure):
Directional survey attached. Log 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 #385051 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 08/17/2017

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 ** ORIGINAL ** ORIGINAL ****