

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

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/05-05-2018
⁴ API Number 30 - 025-44411	⁵ Pool Name LEA; BONE SPRING	⁶ Pool Code 37570
⁷ Property Code 302802	⁸ Property Name LEA UNIT	⁹ Well Number 50H

II. ¹⁰ Surface Location

UI or lot no. O	Section 1	Township 20S	Range 34E	Lot Idn	Feet from the 630	North/South line S	Feet from the 2560	East/West line E	County LEA
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¹¹ Bottom Hole Location

UI or lot no. O	Section 12	Township 20S	Range 34E	Lot Idn	Feet from the 330	North/South line S	Feet from the 1770	East/West line E	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	OIL
24650	TARGA MIDSTREAM SERVICES LLC 1000 LOUISIANA, STE. 4700, HOUSTON, TX 77002	GAS

IV. Well Completion Data

²¹ Spud Date 03/02/2018	²² Ready Date 05/05/2018	²³ TD 15,018' MD	²⁴ PBDT 14,968'	²⁵ Perforations 10,351'-15,019'	²⁶ DHC, MC
²⁷ Hole Size 17 1/2"	²⁸ Casing & Tubing Size 13 3/8"	²⁹ Depth Set 1,795'	³⁰ Sacks Cement 2900 sx		
12 1/4"	9 5/8"	5,570'	2750 sx		
8 3/4"	5 1/2"	15,018'	2900 sx		
	2 7/8"	8,867'			

V. Well Test Data

³¹ Date New Oil 05/05/2018	³² Gas Delivery Date 05/05/2018	³³ Test Date 05/06/2018	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure 238	³⁶ Csg. Pressure 175
³⁷ Choke Size	³⁸ Oil 510	³⁹ Water 316	⁴⁰ Gas 200		⁴¹ Test Method Pumping

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:
08/17/2018

Phone:
432-689-5200

OIL CONSERVATION DIVISION

Approved by: *Karen Sharp*
Title: *Staff Mgr*
Approval Date: *8-16-18*

Documents pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

HOBBS OCD
AUG 14 2018
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. NMNM128366
2. Name of Operator LEGACY RESERVES OPERATING LP- Mail: lpina@legacylp.com		6. If Indian, Allottee or Tribe Name
3a. Address 303 W WALL ST STE 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 SWSE 630FSL 2560FEL		8. Well Name and No. LEA UNIT 50H
		9. API Well No. 30-025-44411
		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 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.

04/05/2018 Ran Gamma Ray/CCL log

04/06/2018 to 04/21/2018 Perf Bone Spring fr/10,351'-15,019' MD w/720 shots. Treated well w/1,918 bbls 10% acid, 3,998,644# sand and 127,263 BW

04/23/2018 Began flowback operations

05/05/2018 Date of first production

14. I hereby certify that the foregoing is true and correct. Electronic Submission #430454 verified by the BLM Well Information System For LEGACY RESERVES OPERATING LP, sent to the Hobbs	
Name (Printed/Typed) LAURA PINA	Title COMPLIANCE COORDINATOR
Signature (Electronic Submission)	Date 08/09/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____
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 _____

Documents pending BLM approvals will
subsequently be reviewed and scanned

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

agency of the United

HOBBS OCD

AUG 14 2018

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

COPY

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMNM128366		
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 _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator LEGACY RESERVES OPERATING LP-Mail: jsaenz@legacyp.com			7. Unit or CA Agreement Name and No.		
3. Address 303 W WALL ST STE 1800 MIDLAND, TX 79701			8. Lease Name and Well No. LEA UNIT 50H		
3a. Phone No. (include area code) Ph: 432-689-5200			9. API Well No. 30-025-44411		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 1 T20S R34E Mer At surface SWSE 630FSL 2560FEL At top prod interval reported below Sec 12 T20S R34E Mer At total depth SWSE 330FSL 1770FEL			10. Field and Pool, or Exploratory LEA; BONE SPRING		
14. Date Spudded 03/02/2018			15. Date T.D. Reached 03/19/2018		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/21/2018			17. Elevations (DF, KB, RT, GL)* 3678 GL		
18. Total Depth: MD TVD 15018 9517		19. Plug Back T.D.: MD TVD 14968 9517		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CCL			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)		

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	1795		2900		0	
12.250	9.625 J-55	40.0	0	5570		2750		0	
8.750	5.500 HCP110	20.0	0	15018		2900		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	8867							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	10351	15019	10351 TO 15019		720	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10351 TO 15019	TREAT WELL W/1,918 BBLs ACID, 3,998,644# SAND & 127,263 BBLs 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
05/05/2018	05/06/2018	24	→	510.0	200.0	316.0	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	
	238	175.0	→	510	200	316	392	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	
			→						

Documents pending BLM approvals will
subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #430947 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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):	31. Formation (Log) Markers
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.	

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
BONE SPRING	8320	8840		BELL CANYON	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. 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 #430947 Verified by the BLM Well Information System.
For LEGACY RESERVES OPERATING LP, sent to the Hobbs

Name (please print) JOHN SAENZ Title OPERATIONS ENGINEER

Signature _____ (Electronic Submission) Date 08/13/2018

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.

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