

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

HOBBS OCD
JAN 30 2018
RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 LE-Mail: parden@legacylp.com Contact: D. PATRICK DARDEN, PE

3. Address 303 W WALL SUITE 1600 MIDLAND, TX 79702 3a. Phone No. (include area code) Ph: 432-689-5200 Ext: 5237

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface Sec 1 T20S R34E Mer NMP SESE 630FSL 660FEL
 At top prod interval reported below Sec 12 T20S R34E Mer NMP
 At total depth SESE 331FSL 856FEL

5. Lease Serial No. NMNM128366
 6. Indian, Allottee or Tribe Name _____
 7. Unit or CA Agreement Name and No. 891006455X
 8. Lease Name and Well No. LEA UNIT 51H
 9. API Well No. 30-025-42958-00-S1
 10. Field and Pool, or Exploratory LEA
 11. Sec., T., R., M., or Block and Survey or Area Sec 1 T20S R34E Mer NMP
 12. County or Parish LEA
 13. State NM
 14. Date Spudded 06/01/2017 15. Date T.D. Reached 06/19/2017 16. Date Completed D & A Ready to Prod. 08/03/2017
 17. Elevations (DF, KB, RT, GL)* 3679 GL
 18. Total Depth: MD 16282 TVD 10981 19. Plug Back T.D.: MD 16282 TVD 10981 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	1850		1300		0	
17.500	13.375 J-55	54.5	0	1855		1600		0	
12.250	9.625 J-55	40.0	0	5400	3950	1600		0	
12.250	9.625 J-55	40.0	0	5600		1900		0	
8.750	5.500 P-110	20.0	0	16076		2800		0	
8.750	5.500 HCP-110	20.0	0	16282		3700		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	10206							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11680	16209	11680 TO 16209		660	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
11680 TO 16209	TREAT WELL W/2,061 BBLs ACID, 5,573,540# SAND & 141,267 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
08/08/2017	09/02/2017	24	→	927.0	1044.0	732.0	44.0	1.54	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	285	285.0	→	927	1044	732	1126	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	
			→						

ACCEPTED FOR RECORD
 JAN 24 2018
 ELECTRIC PUMP SUB SURFACE
 BUREAU OF LAND MANAGEMENT
 CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #389847 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Reclamation due 02/03/2018

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 1ST	9489	10136		RUSTLER	1680
BONE SPRING 2ND	10136	10868		TOP OF SALT	1720
BONE SPRING 3RD	10868	10996		BASE OF SALT	3150
BONE SPRING	11270	18329		CAPITAN REEF	3150
				SAN ANDRES	4710
				DELAWARE	5666
				BONE SPRING LIME	8205
				AVALON	8760

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 #389847 Verified by the BLM Well Information System.
For LEGACY RESERVES OPERATING LP, sent to the Hobbs
Committed to AFMSS for processing by DUNCAN WHITLOCK on 11/03/2017 (18DW0016SE)**

Name (please print) D. PATRICK DARDEN, PE Title SR ENGINEERING ADVISOR

Signature _____ (Electronic Submission) Date 09/26/2017

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Revisions to Operator-Submitted EC Data for Well Completion #389847

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM128366	NMNM128366
Agreement:		891006455X (NMNM70976X)
Operator:	LEGACY RESERVES OPERATING LP 303 W WALL ST STE 1800 MIDLAND, TX 79701 Ph: 432-689-5200	LEGACY RESERVES OPERATING LP 303 W WALL SUITE 1600 MIDLAND, TX 79702 Ph: 432-682-2516
Admin Contact:	D. PATRICK DARDEN, PE SR. ENGINEERING ADVISOR E-Mail: pdarden@legacylp.com Ph: 432-689-5200 Ext: 5237	D. PATRICK DARDEN, PE SR ENGINEERING ADVISOR E-Mail: pdarden@legacylp.com Ph: 432-689-5200 Ext: 5237
Tech Contact:	D. PATRICK DARDEN, PE SR. ENGINEERING ADVISOR E-Mail: pdarden@legacylp.com Ph: 432-689-5200 Ext: 5237	D. PATRICK DARDEN, PE SR ENGINEERING ADVISOR E-Mail: pdarden@legacylp.com Ph: 432-689-5200 Ext: 5237
Well Name: Number:	LEA UNIT 51H	LEA UNIT 51H
Location:		
State:	NM	NM
County:	LEA	LEA
S/T/R:	Sec 1 T20S R34E Mer	Sec 1 T20S R34E Mer NMP
Surf Loc:	SESE 630FSL 660FEL	SESE 630FSL 660FEL
Field/Pool:	LEA; BONE SPRING	LEA
Logs Run:	GR/CCL	GR CCL
Producing Intervals - Formations:	BONE SPRING	BONE SPRING
Porous Zones:	BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD BONE SPRING	BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD BONE SPRING
Markers:	RUSTLER TOP OF SALT BASE OF SALT CAPITAN REEF SAN ANDRES DELAWARE BONE SPRING LIME AVALON	RUSTLER TOP OF SALT BASE OF SALT CAPITAN REEF SAN ANDRES DELAWARE BONE SPRING LIME AVALON