

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
OCD Hobbs
JAN 30 2018
RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

6. Lease Serial No. 891006455A

7. Unit or CA Agreement Name and No. LEA UNIT 45H

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

9. API Well No. 30-025-43143-00-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 03/25/2017

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

16. Date Completed 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	
17.500	13.375 J-55	54.5	0	1800		1300		0	
12.250	9.625 J-55	40.0	0	5400	3950	1600		0	
12.250	9.625 HCL-80	40.0	0	5430		1900		0	
8.750	5.500 P-110	20.0	0	15536		2800		0	
8.750	5.500 HCP-110	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

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

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						

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

ELECTRONIC SUBMISSION #385051 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Reclamation due 11/21/2017

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		BONE SPRING 1ST	9498
BONE SPRING 1ST	9498	10035		BONE SPRING 2ND	10035
BONE SPRING 2ND	10035	10693		BONE SPRING 3RD	10693
BONE SPRING 3RD	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
Committed to AFMSS for processing by DEBORAH HAM on 09/05/2017 (17DMH0194SE)

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.

** REVISED **

Revisions to Operator-Submitted EC Data for Well Completion #385051

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM02127B	NMNM02127B
Agreement:		891006455A (NMNM70976B)
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 45H	LEA UNIT 45H
Location: State: County: S/T/R: Surf Loc:	NM LEA COUNTY Sec 1 T20S R34E Mer SWSW 630FSL 710FWL	NM LEA Sec 1 T20S R34E Mer NMP SWSW 630FSL 710FWL
Field/Pool:	LEA; BONE SPRINGS	LEA
Logs Run:	GR-CCL	GR-CCL
Producing Intervals - Formations:	BONE SPRING	BONE SPRING
Porous Zones:	BELL CANYON BRUSHY CANYON AVALON 1ST BONE SPRING 2ND BONE SPRING 3RD BONE SPRING	BELL CANYON BRUSHY CANYON AVALON BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD
Markers:	BELL CANYON AVALON 1ST BONE SPRING 2ND BONE SPRING 3RD BONE SPRING	BELL CANYON AVALON BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD