

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.*5. Lease Serial No.  
NMNM053434

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**7. If Unit or CA/Agreement, Name and/or No.  
NMNM88489

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
LEA FED COM 14

2. Name of Operator

Contact: MELANIE REYES

LEGACY RESERVES OPERATING LP-Mail: mreyes@legacyreserves.com

9. API Well No.

30-025-30138-00-S1

3a. Address

303 W WALL SUITE 1600  
MIDLAND, TX 79702

3b. Phone No. (include area code)

Ph: 432-221-6358

10. Field and Pool or Exploratory Area  
LEA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 14 T20S R34E NENE 660FNL 660FEL  
32.578607 N Lat, 103.524531 W Lon

11. County or Parish, State

LEA COUNTY, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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.

- Clear out wellbore to 8840. Spot 25 SX. class H. WOC Tag @ 8700 (Top Bone Spring).*
- Set 5 1/2" CIBP @ 5590'. Circulate hole with MLF. Pressure test csg. Spot 30 sx cmt. @ 5590'-5320'. *WOC Tag*
  - Perf & Sqz 50 sx cmt @ 4670'-4470'. (Queen).
  - Perf & Sqz 50 sx cmt @ 3450'-3350'. WOC & Tag (B/Salt) *130' minimum*
  - Perf & Sqz 50 sx cmt @ 2050'-1850'. WOC & Tag (T/Salt)
  - Perf & Sqz @ 958'-750'. WOC & Tag (13-3/8" Shoe & DV Tool)
  - Perf & Sqz 50 sx cmt @ 200' to surface.
  - Cut off wellhead, verify cmt to surface, weld on Dry Hole Marker.

*Below ground level dry hole marker required.*

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

Electronic Submission #531645 verified by the BLM Well Information System  
For LEGACY RESERVES OPERATING LP, sent to the Hobbs  
Committed to AFMSS for processing by DEBORAH MCKINNEY on 09/28/2020 (20DLM0464SE)

Name (Printed/Typed) MELANIE REYES

Title COMPLIANCE COORDINATOR

Signature (Electronic Submission)

Date 09/25/2020

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

Approved By

*James A. Amos*

Title

*SAET*

Date

*10-29-20*

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

*CFO*

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)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

Entered - KMS NMOC



# Wellbore Schematic

Printed: 9/23/2020

Page 1

Lea Unit # 14 BOLO ID: 300033.11.14 API # 3002530138

Lea Unit # 14, 9/23/2020

660 FNL & 660 FEL	GL Elev: 3,649.00	KOP:	
Section 14, Township 20S, Range 34E		EOC:	
County, State: Lea, NM		Fill Depth:	7,803
Aux ID: 23300		PBTD:	
'KB' correction: 16.5; All Depths Corr To:		TD:	10,400.00
		BOP:	

## Hole Size

Diameter	Top At	Btm At	Date Drilled
28.0000	0.00	40.00	11/23/1987
17.5000	40.00	908.00	11/24/1987
12.2500	908.00	5,370.00	12/2/1987
7.8750	5,370.00	10,400.00	12/19/1987

## Conductor Casing

Date Ran: 11/22/1987

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing		20.0000			40.00	16.50	56.50

## Surface Casing

Date Ran: 11/24/1987

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Set Below GL					16.50		
Casing	21	13.3750	48.00	H40	862.92	33.00	895.92
Float Insert	1	13.3750				895.92	
Casing	1	13.3750	48.00	H40	27.58	895.92	923.50
Guide Shoe	1	13.3750			1.00	923.50	924.50

## Intermediate Casing

Date Ran: 12/2/1987

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Set Below GL					14.50		
Casing	1	8.6250	32.00	K55	13.35	31.00	44.35
Casing	99	8.6250	32.00	K55	3,846.77	44.35	3,891.12
DV Tool	1	8.6250			3.00	3,891.12	3,894.12
Casing	1	8.6250	32.00	K55	38.65	3,894.12	3,932.77
Packer	1	8.6250			8.65	3,932.77	3,941.42

## Ext Csg Pkr

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	36	8.6250	32.00	K55	1,403.31	3,941.42	5,344.73
Float Collar	1	8.6250			1.50	5,344.73	5,346.23
Casing	1	8.6250	32.00	K55	38.88	5,346.23	5,385.11
Float Shoe	1	8.6250			1.50	5,385.11	5,386.61

## Production Casing

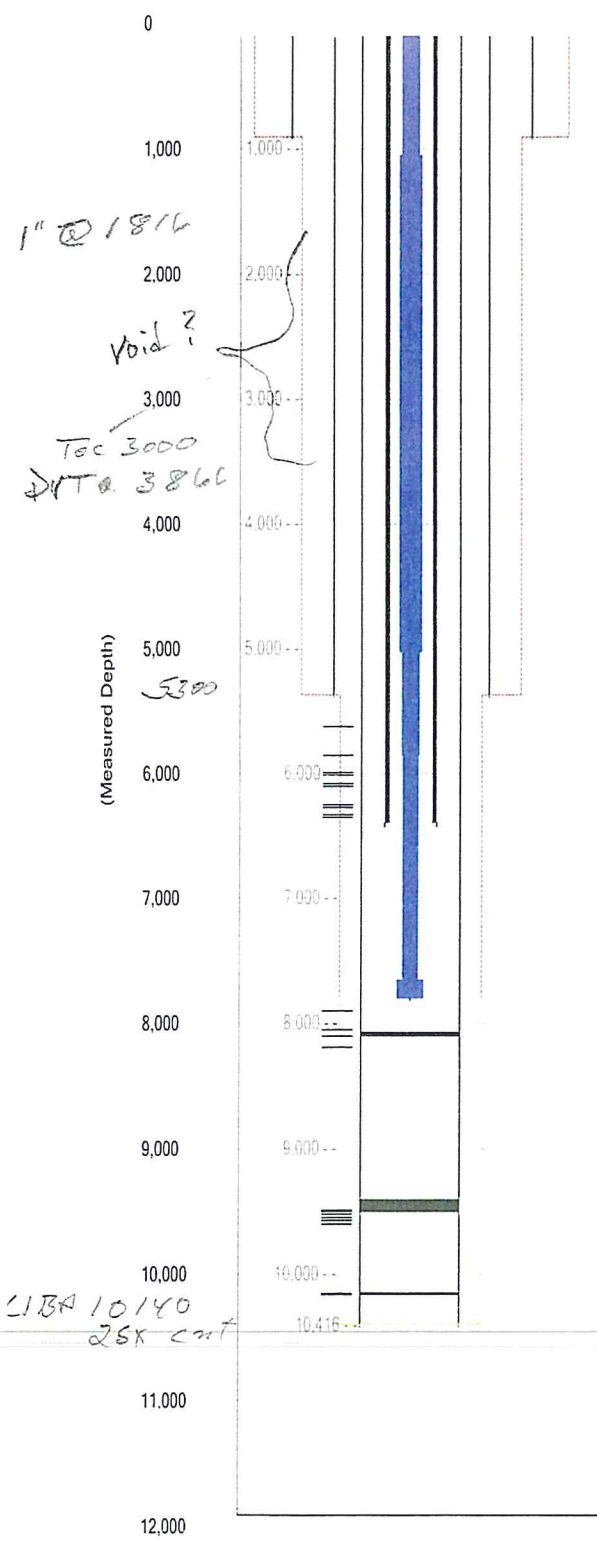
Date Ran: 12/19/1987

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Set Below GL					12.50		
Casing	1	5.5000	17.00	K55	25.89	29.00	54.89
Casing	238	5.5000	17.00	K55	10,270.43	54.89	10,325.32
Float Collar	1	5.5000			1.50	10,325.32	10,326.82
Casing	2	5.5000	17.00	K55	88.33	10,326.82	10,415.15
Float Shoe	1	5.5000			1.50	10,415.15	10,416.65

## Cement

Top At	Btm At	I D	O D	TOC Per	# - Type	# Sx	Class	Wt.
0.00	40.00	20.000	28.000	Circ	10			
0.00	908.00	13.375	17.500	✓Circ	20	940		
3,878.00	5,370.00	8.625	12.250	DV Tool	30	800	Lite&C	
3,000.00	5,370.00	8.625	12.250	TS	40	1600	Lite	
0.00	5,370.00	8.625	12.250	Circ	50	850		
0.00	5,370.00	8.625	12.250	Circ	60	550		
5,300.00	10,400.00	5.500	7.875		70	1000	Lite&Poz	
9,505.00	9,610.00	5.500	7.875		80	288	H	
10,120.00	10,140.00	0.000	5.500		90	2		
9,365.00	9,400.00	0.000	5.500		100	2		
6,269.00	6,285.00	5.500	7.875		110	150		
8,030.00	8,065.00	0.000	5.500		120			

# = True Vertical Depth



# Wellbore Schematic

Printed: 9/23/2020

Page 2

Lea Unit # 14

BOLO ID: 300033.11.14

API # 3002530138

Est on AKD  
T/Salt 1065  
B/Salt 3200

## Cement

Top At	Btm At	I D	O D	TOC Per	# - Type	# Sx	Class	Wt.
					130			

## Formation Tops / Bottoms

Top At	Bottom At	Formation
3,700		YATES
4,710		QUEEN
5,449		DELAWARE
8,840	✓	Bone Spring

## Zone and Perfs

### DELAWARE

#### Comments / Completion Summary

Spud: 11/22/1987 Comp: 03/04/1988 TD: 10400  
 Perf: 10162-10174  
 CIBP @ 10140 w/ 2 sxs cmt 08/1993  
 Perf: 9505-9610, Sqz'd w/ 288 sxs  
 Perf: 9530-9560, 08/03/1994  
 CIBP @ 9480 w. 2 sxs cmt 05/2004  
 Perf: 8110-8202, 09/03/2009  
 CIBP: @ 8100 w/ 35' cmt  
 Perf: 7919-8065, 09/09/2009  
 CIBP @ 7890 w/ 35' cmt, drilled out 11/13/17  
 Perf: 6269-6285, 6340-6363, 09/15/2009, Sqz 6269-6285 w/ 150 sxs cmt  
 Perf: 6069-3116, 03/04/2010  
 Perf: 6000-6022, 03/11/2010  
 Perf: 5638-5866, 03/16/2010

## Perforations

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
5,638.00	5,866.00	Delaware ✓	A	3/15/2010		2	58
6,000.00	6,022.00	Delaware ✓	A	3/11/2010		2	44
6,096.00	6,116.00	Delaware ✓	A	3/4/2010		2	42
6,269.00	6,285.00	DELAWARE ✓	PA	9/15/2009	11/11/2009		
Sqz'd w/ 150 sxs							
6,340.00	6,363.00	DELAWARE ✓	A	9/15/2009			
7,919.00	8,065.00	DELAWARE ✓	A	9/9/2009		2	
8,110.00	8,202.00	DELAWARE ✓	PA	9/3/2009		2	
9,505.00	9,512.00	Bone Spring ✓	PA	2/4/1988	2/12/1988	2	30
Sqz'd							
9,530.00	9,560.00	Bone Spring ✓	PA	1/9/1994	5/14/2004		
under CIBP @ 9480							
9,586.00	9,610.00	Bone Spring ✓	PA	1/7/1988	2/12/1988	2	50
Sqz'd							
10,162.00	10,174.00	Bone Spring ✓	PA	12/31/1987	8/8/1993	2	26
under CIBP @ 10140							

9580-9586

## Wellbore Plugs and Junk

Top	Bottom	Type	Diameter	Solid	Date
8,065.00	8,100.00	CIBP	5.500	Yes	
9,400.00	9,505.00	CIBP	5.500	Yes	5/14/2004
10,140.00	10,162.00	CIBP	5.500	Yes	8/8/1993

## Tubing

Date Ran: 3/23/2018

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Tubing	167	2.8750	6.40		5,547.00	16.50	5,563.50
Packer	1	5.5000			6.00	5,563.50	5,569.50
Tubing Packer							
Tubing	26	2.8750	6.40		822.00	5,569.50	6,391.50
Crossover						6,391.50	
Seat Nipple	1	2.3750			1.10	6,391.50	6,392.60
Crossover						6,392.60	



Lea Unit # 14		BOLO ID: 300033.11.14				API # 3002530138	
Perf Nipple	1	2.8750			4.00	6,392.60	6,396.60
<i>perforated sub</i>							
Mud Anchor	1	2.8750			31.00	6,396.60	6,427.60
Bull Plug	1	2.8750			0.60	6,427.60	6,428.20

**Rods****Date Ran:** 1/28/2016

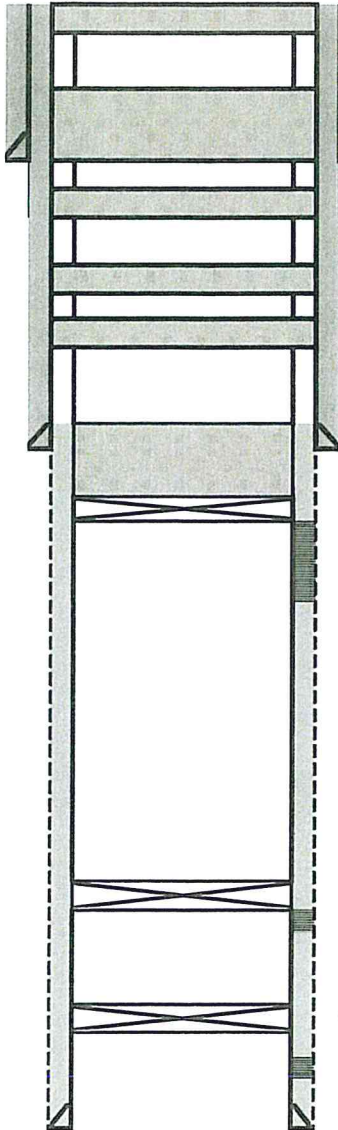
Description	#	Diameter	Rod Box	Grade	Length	Top At	Btm At
Polish Rod	1	1.2500			26.00	0.00	26.00
Polish Rod Liner	1	1.5000			18.00	8.00	26.00
Rods	41	1.0000			1,025.00	26.00	1,051.00
Rods	106	1.2500		FG	3,975.00	1,051.00	5,026.00
Rods	33	1.0000			825.00	5,026.00	5,851.00
Rods	72	0.8750			1,800.00	5,851.00	7,651.00
Sinker Bars	5	1.5000			125.00	7,651.00	7,776.00
Shear Tool	1				1.00	7,776.00	7,777.00
Pump	1	1.5000			24.00	7,777.00	7,801.00
2 X 1-1/2 X 24'-6" RHBC							
Gas Anchor	1				20.00	7,801.00	7,821.00

## Legacy

Author: Abby-BCM & Associates, Inc  
 Well Name: Lea Fed Com  
 Field/Pool: Lea, Bone Spring  
 County: Lea  
 State: New Mexico  
 Spud Date: 7/8/1994

Well No.: #14  
 API #: 30-025-30138  
 Location: Sec 14, T20S, R34E  
 660 FNL 660FEL  
 GL: 3649' GR

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	13 3/8	H40	48#	908	17 1/2	940	0
Inter Csg	8 5/8	K55	32#	5,370	12 1/4	1,900	0
Prod Csg	5 1/2	K55	17#	10,400	7 7/8	1,000	4,500



6. Perf & Sqz 50 sx cmt @ 200' to Surface.

8 5/8" DV Tool @ 800'  
 13 3/8 48# CSG @ 908

5. Perf & Sqz @ 958-750'. WOC & Tag (13 3/8" Shoe & DV Tool)

4. Pef & Sqz 50 sx cmt @ 2050-1850'. WOC & Tag (T/Salt)

3. Perf & Sqz 50 sx cmt @ 3450-3350'. WOC & Tag (B/Salt)

2. Perf & Sqz 50 sx cmt @ 4670-4470'. (Queen)

8 5/8 32# CSG @ 5,370

1. Set 5 1/2" CIBP @ 5590'. Circulate hole w/ MLF. Pressure test csg. Spot 30 sx cmt @ 5590-5320'.

Perfs @ 5638-6285'  
 Perfs @ 6000-6022'  
 Perfs @ 6069-6116'

CIBP @ 9480' w/ 2 sx cmt  
 Perfs @ 9530-9560'

CIBP @ 10,140 w/ 2 sx cmt  
 Perfs @ 10,162-10,174'

5 1/2 17# CSG @ 10,400

**BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972**

**Permanent Abandonment of Federal Wells  
Conditions of Approval (LPC Habitat)**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon.

**If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.**

**The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**



Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off.** Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

**Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:**

From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted