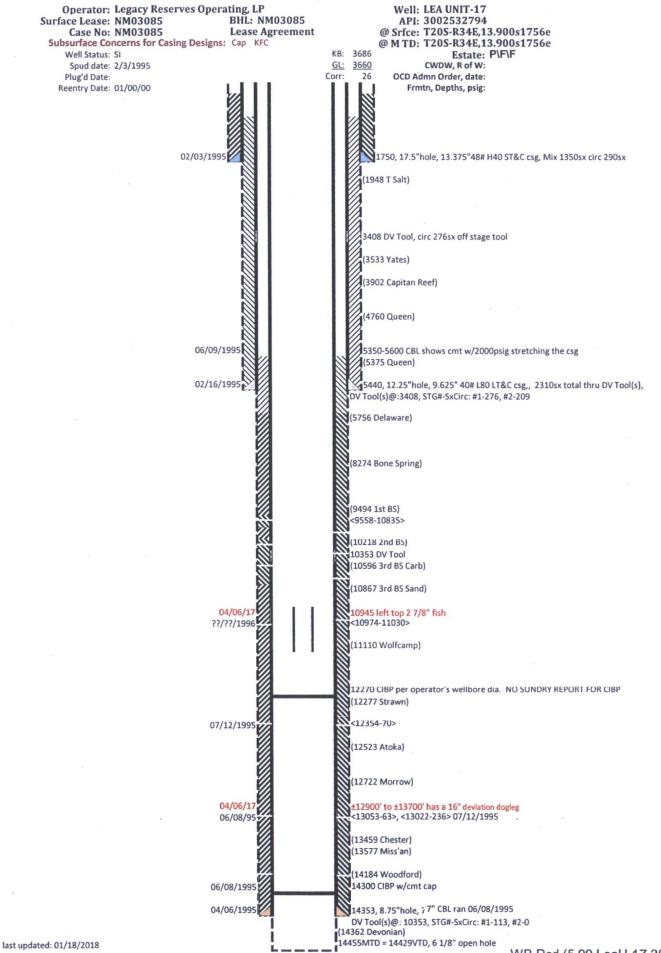
*		Ú	CD-HOB	BS			
	UNITED STATES	S NTERIOR			01 (0.1)	APPROVED 0. 1004-0137	
	JREAU OF LAND MANA NOTICES AND REPO		HOBBS C		Expires: January 31, 2018 Cabes Serial No. NMNM03085		
Do not use thi abandoned wel	s form for proposals to II. Use form 3160-3 (AP	drill or to re-en D) for such pro		3 <b>0 6</b> 2018		r Tribe Name	1
SUBMIT IN T	TRIPLICATE - Other ins	tructions on pa	ige 2 REC	EIVE	7. If Unit or CA/Agree	ment, Name	and/or No.
<ol> <li>Type of Well</li> <li>☑ Oil Well</li> <li>☑ Gas Well</li> <li>☑ Oth</li> </ol>					8. Well Name and No. LEA UNIT 17	1	
2. Name of Operator LEGACY RESERVES OPERA	Contact: TING LRE-Mail: pdarden@	D. PATRICK D. legacylp.com	ARDEN, PE		9. API Well No. 30-025-32794	/	
3a. Address 303 W WALL ST SUITE 1800 MIDLAND, TX 79701			nclude area code) 5200 Ext: 5237		10. Field and Pool or Exploratory Area LEA; DEVONIAN		
4. Location of Well (Footage, Sec., T	1)			11. County or Parish,	State		
Sec 13 T20S R34E SWSE 90	0 FSL 1756FEL				LEA CO COUN	ΓY, NM	1
12. CHECK THE AN	PROPRIATE BOX(ES)	TO INDICATI	E NATURE O	F NOTICE,	REPORT, OR OTH	IER DATA	A
TYPE OF SUBMISSION			TYPE OF	FACTION			
⊠ Notice of Intent	☐ Acidize ☐ Alter Casing	Deepe	n ulic Fracturing	Product Reclam	tion (Start/Resume)	□ Water	Shut-Off
Subsequent Report	Casing Repair		Construction	Recom		Other	
Final Abandonment Notice	Change Plans	🗖 Plug a	nd Abandon	Tempor	rarily Abandon		
13. Describe Proposed or Completed Op	Convert to Injection			U Water I	-		
If the proposal is to deepen direction. Attach the Bond under which the wo following completion of the involved testing has been completed. Final Al determined that the site is ready for f	rk will be performed or provide d operations. If the operation re- bandonment Notices must be fi	e the Bond No. on fi esults in a multiple of	ile with BLM/BIA completion or reco	. Required su ompletion in a	bsequent reports must be new interval, a Form 316	filed within 3 0-4 must be f	30 days filed once
Lea Unit #17 Recomplete We	Il to Delaware Zone:				Works with a		
Plan on MIRU PU on ~Monda					<b>PPROVI</b>	-D	
Legacy proposes to recomple - Set CR @ ~10,900' (TOF @ Class H cement below CR. Pl - Set CIBP @ ~9545'. Place 2 - Place balanced plug of 25sx - Perf & test perspective Dela SUBJI	10,950'). Est inj rate & p ace 25sx cmt on top of C 5sx Class H cement on t Class H cement across	ress into CR. At R. op of CIBP. top of Bone Spri	tempt to pump	& squeeze	~ 150sx SEE ATTACH DITIONS OF		
APPR	OVAL BY STATE	10					
<ol> <li>I hereby certify that the foregoing in Name (Printed/Typed) D. PATRI</li> </ol>	Electronic Submission # For LEGACY RE Committed to AFMSS for	SERVES OPERA or processing by	TING LP, sent	to the Hobb REZ on 12/1	S		
Signature (Electronic	Submission)		Date 11/16/2				
	THIS SPACE F	OR FEDERAL	ORSTATE	OFFICE U	195		41 -
<u>Approved By</u> <u>Hand</u> <u>Hand</u> Conditions of approval, if any, are attach certify that the applicant holds legal or eq	d. Approval of this notice doe	es not warrant or	Title TP	ET	BUREAU OF LAND	Date MANAGEI	MENT
which would entitle the applicant to cond Title 18 U.S.C. Section 1001 and Title 43	uct operations thereon.		Office	l willfully to m	<ol> <li>1.1.2.4.5.8.5.5</li> </ol>		
States any false, fictitious or fraudulent	statements or representations a	is to any matter with	in its jurisdiction.				
(Instructions on page 2) <b>** OPERA</b>	TOR-SUBMITTED ** (				TOR-SUBMITTED	**	
		Mabrau 21	on/oc	D	-	V	
		21	1/2017				



WB Rcd (5.99 LeaU-17 2532794

Carlsbad Field Office

1/19/2018

	and the second sec								
Capitan Re	eef: Csg De	sign not res		eef, productio Lesser Prairi		o cover casin	g 50 feet abo	ove Capitar	Reef top.
13 3/8	surface	annual an annual an annual de affilie de annual de annual at books de		inch hole.		Design Factors		SURFACE	
Segment	#/ft		ade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	48.00	Name of the second second	40	ST&C	3.83	0.94	0.6	1,750	84,000
				Tail Cmt	does	circ to sfc.	Totals:	1,750	84,000
w/8.4#/g mud, 30min Sfc Csg Test psig: 447 Tail Cmt does circ to sfc. Totals: 1,750 84,000 Comparison of Proposed to Minimum Required Cement Volumes									
Hole	Annular		CuFt Cmt	Min	Excess	Drilling	Calc	Req'd	Min Dist
Size	Volume	Sx Cmt	Proposed	Cu Ft	% Cmt	Mud Wt	MASP	BOPE	Hole-Cplg
17 1/2	0.6946	1350	1791	1217	47	9.00	1686	2M	1.56
Collanse &		No. of States of States of States	s of this cs	g are helo		a success design we will save a			
Collapse & Burst safety factors of this csg are below BLM approval standards.									
ar albert at color at anoth	ar maar in state in it.	1997 x Miller 18 19397 1	r shiar se antar ar sesar	na nampa na mpina, na Baran	N" MARLY IN STATE IN HAR	r ar amor ar atote ar son	ne de dator de antos de da	ur e ant e ricr a	r sonor ar allotr ar and
95/8	casing in	sing inside the 13 3/8		casing.	sing <u>Design Fa</u>		ctors	2nd Casing	
Segment	#/ft	Gr	ade	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	40.00	L	80	LT&C	3.34	1.07	0.89	5,440	217,600
w/8.4#/g m	ud, 30min Sfc	Csg Test psig:	1,500				Totals:	5,440	217,600
The cement volume(s) proposed may achieve a top 0 feet from surface.									
Hole	Annular	Proposed	CuFt Cmt	Min	Excess	Drilling	Calc	Req'd	Min Dist
Size	Volume	Sx Cmt	Proposed	Cu Ft	DVT Cmt	Mud Wt	MASP	BOPE	Hole-Cplg
12 1/4	0.3132	2310	4402	1833	OK	10.20	3329	5M	0.81
Collapse & Burst safety factors of this csg are below BLM approval standards.									
e se maior de patar et maior	- 30 AUDIO & ADDRY AF A		e some se mare n' danc	N 1000 N 1001 N 1000	N 1000 12 4000 N 100	17 Nº PUBR Nº ADDI' Nº 400	ar ar anner ar enner ve ar		
7	casing inside the 95/8		_ Design Fa		distributed and the second sec	and the second sec	3rd Casing		
Segment	#/ft	Stories Start and a start start	ade	Coupling	Joint	Collapse	Burst	Length	Construction and an address of the state
"A"	26.00		80	LT&C	i	1.26	1.12	9,480	246,480
"B"	29.00	L	80	LT&C	4.00	1.08	1.26	4,873	141,317
w/8.4#/g m	ud, 30min Sfc						Totals:	14,353	387,797
В	Segment	0	Factors w		4.15	1.00	if it were a v	ertical wellt	oore.
AT A R A R MINING A R AND A R				hieve a top	<u>0</u>	feet from se		n malandari produce danaka fi	
Hole	Annular	and the second sec	CuFt Cmt		Excess	Drilling	Calc	Req'd	Min Dist
Size	Volume	Sx Cmt	Proposed	Cu Ft	DVT Cmt	Mud Wt	MASP	BOPE	Hole-Cpl
8 3/4	0.1503	5185	8726	2212	Check	8.70			0.55
loint & Col	lapse safe	ety factors	s of this cs	g are below	w BLM app	proval stan	dards.		

Joint & Collapse safety factors of this csg are below BLM approval standards.

## **Conditions of Approval**

## Legacy Reserves Operating, LP Lea Unit - 17, API 3002532794 T20S-R34E, Sec 13, 900FSL & 1756FEL January 18, 2018

FEB 06 2018 RECEIVED

- 1. Begin wellbore operations within 90 days of these conditions of approval for the processed Electronic Submission #382110 notice of intent or request an extension.
- 2. Operator is required to have the BLM approved NOI procedure with applicable conditions of approval on location during this workover operation.
- 3. Conditions of Approval reflect a procedure based on available documentation for this wellbore. The BLM workover witness and NOI approver may adjust operations so as not to hinder achievable abandonment requirements.
- 4. Due to being within the Lesser Prairie Chicken habitat, this workover activity will be restricted to the hours of 9:00am through 3:00am for the period of March 1 through June 15.
- 5. The Unit agreement for this well (NM70976b) does not include the Delaware pay. Operator is removing well from the unitized formation. Operator shall remove "Unit" from the well name via sundry, and or rename well to produce on a lease basis.
- 6. Subject to like approval by the New Mexico Oil Conservation Division.
- 7. Before adding, replacing, or repairing casing or a liner, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
- 8. A closed loop system is required. The operator shall properly dispose of drilling/circulating contents at an authorized disposal site. Tanks are required for all operations, no excavated pits.
- 9. Surface disturbance beyond the existing pad shall have prior BLM approval.
- 10. Functional H<sub>2</sub>S monitoring equipment shall be on location.
- 11. Blow Out Prevention Equipment 5000 (5M) to be used. All BOPE and workover procedures shall establish fail safe well control. Ram(s) for the work string(s) used is required equipment. Manual BOP closure system including a blind ram and pipe ram(s) designed to close on all (hand wheels or automatic locking devices) equipment installed regardless of BOP design. Function test the installed BOPE to 500psig when well conditions allow. Related equipment, (choke manifolds, kill trucks, gas vent or flare lines, etc.) employed when needed for reasonable well control requirements.
- 12. All waste (i.e. trash, salts, chemicals, sewage, gray water, etc.) created during work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

- 13. Notify BLM 575-393-3612 Lea Co as work begins. Some procedures witnessed. If there is no response, leave a voice mail with the API#, workover purpose, and a call back phone number.
- 14. The BLM PET witness is to run tbg tally and agree to cement volumes and placement. Sample each plug for cement curing time and tag and/or pressure test as requested by BLM PET witness.
- 15. This procedure is subject to the next three numbered paragraphs.
- 16. Set cement plugs to cover a minimum of 100ft plus 10ft for every 1,000ft from the bottom of the plug, rounding the number of necessary sacks up to the nearest 5 sacks. Never use less than 25sx. Examples: A cement plug set at 8000 in 7" casing would require a min of 35sx. A 25sx plug in 5 ½" casing should cover 250ft, which may exceed 100ft plus 10ft per 1000ft.
- 17. Class H > 7500ft & C < 7500ft) cement plugs(s) will be necessary. For any plug that requires a tag or pressure test a minimum WOC time of 4 hours(C) & 8 hours(H) is recommended. Formation isolation plugs of Class "C" to be mixed 14.8#/gal, 1.32 ft<sup>3</sup>/sx, 6.3gal/sx water and "H" to be mixed 16.4#/gal, 1.06ft<sup>3</sup>/sx, 4.3gal/sx water.
- Minimum requirement for mud placed between plugs is 25 sacks of salt water gel per 100 barrels in 9 lb/gal brine.
- 19. Continue fishing operations abandoned 04/06/2017.
- 20. Remove all restrictions within the 7" casing and tag and record the 6 1/8" open hole PBTD.
- 21. Set a min 50sx Class "H" balanced plug on the PBTD, WOC and tag the plug with tbg at 14280' or above isolating the Devonian formation and covering the 7" csg shoe.
- 22. Set a CIBP within 100'above the top Morrow perf of 13022'. Set a min 75sx Class "H" balanced plug on the CIBP, WOC and tag the plug with tbg at 12660' or above covering the Morrow formation top at 12722'.
- 23. Set a CIBP within 100'above the top Strawn perf of 12354'. Set a min 45sx Class "H" balanced plug on the CIBP, WOC and tag the plug with tbg at 12130' or above covering the Strawn formation top at 12277'.
- 24. Set a min 45sx Class "H" balanced plug from 11170' to cover the Wolfcamp formation. WOC and tag the plug with tbg at 10955' or above covering the Wolfcamp formation top of 1110'.
- 25. Set a CIBP within 100'above the top Bone Spring perf of 9558'. Set a min 40sx Class "H" balanced plug on the CIBP, WOC and tag the plug with tbg at 9370' or above covering the 1<sup>st</sup> Bone Spring sand at 9494'.
- 26. Set a min 40sx Class "H" balanced plug from 8370' over the Bone Spring formation top at 8274'. WOC and tag the plug with tbg at 8170' or above covering the Bone Spring top.
- 27. After setting the top plug and before perforating, perform a charted casing integrity test of 800psig minimum. Document the pressure test on a one hour full rotation calibrated (within 6 months) recorder chart registering within 35 to 85 per cent of its full range. Verify all annular casing vents plumbed to the surface and open during this pressure test. <u>Call</u>
  <u>BLM 575-393-3612 Lea Co. and arrange for a BLM witness of that pressure test.</u> Include a copy of the chart with the subsequent sundry for this workover.

- 28. File **subsequent sundry** Form 3160-**5** within 30 days of workover procedures. Include (dated daily) descriptions of the well work, i.e. procedure descriptions and setting depths of each plug in the subsequent sundry.
- 29. The subsequent report is to include stimulation injection pressures. Report maximum/minimum injection rate (BPM) and max/min stimulation injection pressures.
- 30. Submit a (BLM Form 3160-5 subsequent report describing (dated daily) all wellbore activity and the Mechanical Integrity Test. File intermediate Form 3160-5 within 30 days of any interrupted workover procedures and a complete workover subsequent sundry.
- 31. A BLM Well Recompletion Form 3160-4 and a NMOCD Form C-102 "Well Location and Acreage Dedication Plat" with updated information is necessary with the subsequent package when recompletion changes a well's Pool designation.
- 32. File intermediate **subsequent sundry** Form 3160-**5** within 30 days of any interrupted workover procedures and a complete workover subsequent sundry.

An inactive/shut-in well bore is a non-producing completion that is capable of "beneficial use" i.e. production in **paying quantities** or of service use.

33. Should "beneficial use" not be achieved submit for BLM approval a plan for plug and abandonment.