Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.
30-025-38202

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Cooper Jal Unit

8. Well Number **#509**

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Legacy Reserves Operating LP

9. OGRID Number
240974

3. Address of Operator
P.O. Box 10848, Midland, TX 79702

10. Pool name or Wildcat
Jalmat; Tan-Y-7Rv-LM; 7Rvrs-Q-G

4. Well Location
Unit Letter **J** : **1370** feet from the **S** line and **1368** feet from the **E** line
Section **18** Township **24S** Range **37E** NMPM County **Lea**

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3299' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		PNR
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

10/20/21 MIRU plugging equipment. Dug out cellar. ND well head, NU BOP. 10/21/21 RIH w/ tbg & tagged cmt @ 3295'. RU swivel, drilled out 35' cmt & CIBP. POH. 10/25/21 Spotted 50 sx class C cmt w/ 2% CACL @ 3653-3159'. WOC. No Tag. Re-spotted 50 sx class C cmt w/ 2% CACL @ 3159-3653'. WOC. Tagged plug @ 3345'. Spotted 60 sx class C cmt @ 2752-3345'. WOC. 10/26/21 Tagged plug @ 2827'. Circ'd hole w/ 70 BBLS MLF. Pressure tested casing, held 500 PSI. Spotted 30 sx class C cmt w/ 2% CACL @ 1004-1300'. WOC. Tagged plug @ 1028'. Perf'd @ 465'. ND BOP. Sqz'd 165 sx class C cmt @ 465' & circulated to surface. 10/27/21 Verified cmt @ surface. Rigged down & moved off. 10/30/21 Moved in backhoe and welder. Cut off well head & anchors. Kerry Fortner w/ OCD verified cmt @ surface via picture text message. Welded on "Above Ground Dry Hole Marker". Backfilled cellar, cut off deadmen, cleaned location, and moved off.

Spud Date: | Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [signature] TITLE Compliance Coordinator DATE 11/2/2021

Type or print name Melanie Reyes E-mail address: mreyes@legacyreserves.com PHONE: (432) 221-6358

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 1/12/22
Conditions of Approval (if any):
575-263-6633

Legacy Reserves

Daily Operations Report
(All Event Days)
10/1/2021 thru 10/31/2021

COOPER JAL UNIT # 509 LEA Co., NM

Event Date 10/20/2021 BOLO ID: 300658.11.02

P/A

Oct 20, 2021 Wednesday Day 1

MIRUPU. SDFN

Daily Cost: $0
Cum. Cost: $0

Oct 21, 2021 Thursday Day 2

PU TUBING AND RIH AND TAG CEMENT @ 3295'. DRILL OUT 35' OF CEMENT AND DRILL OUT CIBP. PU TUBING TO 3653'. POOH WITH EVERYTHING. SDFN.

Daily Cost: $0
Cum. Cost: $0

Oct 25, 2021 Monday Day 3

TIH WITH TUBING OPEN ENDED TO 3653'. SPOT 50 SX OF CLASS C NEAT CEMENT FROM 3159 TO 3653' POOH WITH 40 JTS. WOC. RIH AND DID NOT TAG, RESPOTTED 50 SX OF CLASS C NEAT CEMENT FROM 3159 TO 3653'. WOC RIH AND TAGGED CEMENT @ 3345, SPOTTED 60 SX OF CLASS C NEAT CEMENT FROM 2752 TO 3345'. SDFN.

Daily Cost: $0
Cum. Cost: $0

Oct 26, 2021 Tuesday Day 4

TIH WITH TUBING AND TAGGED CEMENT @ 2827'. CIRCULATE HOLE WITH 70 BLS OF MLF. TESTED CSG TO 500# AND IT HELD. POOH WITH TUBING TO 1300' AND SPOT 30 SX OF CLASS C NEAT CEMENT FROM 1004-1300. WOC. RIH AND TAG CEMENT @ 1028 AND PERFORATED @ 465'. LD ALL TUBING AND NDBOP. SET PACKER AND SQZ 165 SX OF CLASS C NEAT CEMENT FROM 465 TO SURFACE. SDFN.

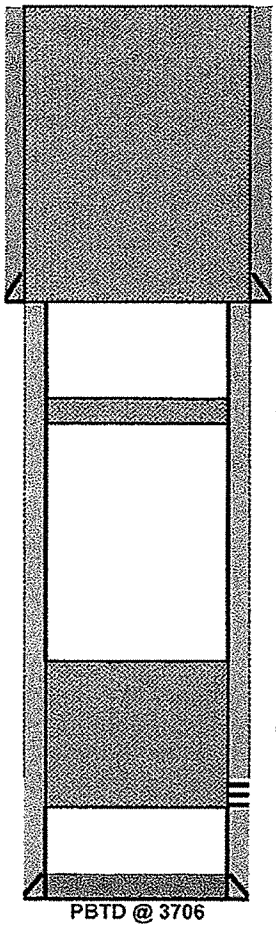
Daily Cost: $2,040
Cum. Cost: $2,040

Report Based On:
Date Range: 10/1/2021 through 10/31/2021
Wells selected based on the following Report Menu selections:
Wells = COOPER JAL UNIT # 509.

Legacy		PLUGGED	
Author:	Abby-BCM		
Well Name	Cooper Jal Unit	Well No.	#509
Field/Pool	Jalmat; Tan-T-7Rvs-Langlie Mattix; Q-Ggbg	API #:	30-025-38202
County	Lea	Location:	Sec 18, T24S, R37E
State	New Mexico		1370' FSL & 1368' FEL
Spud Date	12/12/2006	GL:	3299'

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	8 5/8		24#	412	12 1/4	250	Circ'd
Prod Csg	5 1/2		15.5#	3,729	7 7/8	650	800' CBL

Formation	Tops
Yates	2978
7 Rivers	3228
Queen	3560



8 5/8 24# CSG @ 412
Hole Size: 12 1/4

5. Perf'd @ 465'. ND BOP. Sqz'd 165 sx class C cmt @ 465' & circulated to surface.

4. Spotted 30 sx class C cmt w/ 2% CACL @ 1004-1300'. WOC. Tagged plug @ 1028'.

3. Spotted 60 sx class C cmt @ 3345-2752'. WOC & Tagged @ 2827'. Circ'd hole w/ 70 BBLS MLF. Pressure tested casing, held 500 PSI.

2. Spotted 50 sx class C cmt w/ 2% CACL @ 3653-3159'. WOC. No Tag. Re-spotted 50 sx class C cmt w/ 2% CACL @ 3159-3653'. WOC. Tagged plug @ 3345'.

1. RIH w/ tbg & tagged cmt @ 3295'. RU swivel, drilled out 35' cmt & CIBP. POH.

Perfs @ 3375-3668'

5 1/2 15.5# CSG @ 3,729
Hole Size: 7 7/8

PBTD @ 3706
TD @ 3755

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME:	Cooper Jal Unit			WELL NO.	509
STATUS:	Active	Oil		API#	30-025-38202
LOCATION:	1370 FSL & 1323 FEL, Sec 18, Unit J, T - 24-S, R - 37-E, Lea County, New Mexico				
SPUD DATE:	12/12/06 TD	3755	KB	3311'	DF 3310'
INT. COMP. DATE:	PBTD	3708	GL	3299'	KB 12'

GEOLOGICAL DATA

ELECTRIC LOGS: CORES, DSTS, or MUDLOGS:

Spectral PE-Density, CNL- from 3731' - 100' (1-10-07 Weatherford)
Dual Laterolog- from 3745' - 410' (1-10-07 Weatherford)
Cement Top Log from 3634' - 100' (12-21-06 Gray Wireline)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Tansill @ 2606' Yates @ 2978' Upper 7 Rivers @ 3228' Lower 7 Rivers @ 3390' Queen @ 3560'

CASING PROFILE

SURF.	8 5/8" - 24#, Grade 55, LT&C set@ 412', Cmt'd w/250 sxs Class C w/ 2% CaCl - circ'd w/ 94 sx cmt to surf.
PROD.	5 1/2" - 15.5#, Grade 55, LT&C set@ 3729' Cmt'd w/ 350 sxs Class H w/ 5% Salt + 300 sxs Class H w/
LINER:	None 5% Salt - TOC @ 800 by CBL

CURRENT PERFORATION DATA

CSG. PERFS: OPEN HOLE :

23-Feb-07 Perf'd L. M. (Q) f/ 3682'-90', 3666'-70', 3649'-62', 3636'-40', 3525'-30', 3612'-18', 2601'-06', 3576'-86', & 3560'-64'.

23-Feb-07 Perf'd L. M. (L. 7-R) f/ 3544'-48', 3514'-17', 3501'-05', 3476'-81', 3464'-69', 3453'-61', 3426'-35', and 3409'-22', 3 spf, 120 degrees, 107", 321 - 0.45 holes.

TUBING DETAIL 3/12/10

Length (ft)		Detail
0		KB
4	1	2 7/8" 6.5#, J-55, Super Max SUB
3264	107	2 7/8" 6.5#, J-55, Super Max tbg.
3	1	2 7/8" x 5 1/2" TAC
341	11	2 7/8" 6.5#, J-55, Super Max tbg.
32	1	2 7/8" 6.5#, J-55, S. M. Blast Joint
1	1	2 7/8" SN
4	1	2 7/8" Perf Sub
31	1	2 7/8" OEMA
3680		btm

ROD DETAIL 6/2/12

Length (ft)		Detail
22	1	26' x 1 1/4" polish rod w/ 7/8" Pin Spray Metal
0	1	1 1/4" x 1 1/2" x 14' Liner
8	2	2', 6' - 7/8" pony rods
1325	53	7/8" KD Rods rods
1650	66	3/4" KD Rods rods
600	24	1 1/2" K-Bars
1	1	on/off Tool
20	1	2 1/2" x 1 1/2" X 20' pump w/ HVR
0	1	1 1/4" x 6' GA
3525		

Surface Csg
Hole Size: 12 1/4 in
Csg. Size: 8 5/8 in
Set @: 412 ft
Sxs Cmt: 250
Circ: Yes
TOC @: surf
TOC by: circ

Jalmat

WELL HISTORY SUMMARY

23-Feb-07 Tagged PBTD @ 3,709'. Perf'd (L. M.) (Q) f/ 3682'-90', 3666'-70', 3649'-62', 3636'-40', 3525'-30', 3612'-18', 2601'-06', 3576'-86', & 3560'-64'. L. M. (L. 7-R) f/ 3544'-48', 3514'-17', 3501'-05', 3476'-81', 3464'-69', 3453'-61', 3426'-35 & 3409'-22', 3 spf, 120 degree, 107", 321 - 0.45" holes. Foam Acid Frac'd L.M. with 286 bbls 15% NEFE acid + 105 Tons CO2 in 3 stages, diverted w/ 6,500# RS. AIR= 11.8 bpm Pavg= 2788#, ISIP= 656#. SITP= 620#. Well Flowing: 112 bfpd 5% oil cut, 24/64" choke, FTP= 100#.

6-Mar-07 POOH laying down work string and Pkr, RIH with 2 7/8" Super Max tubing, pump and rods. PWOP.

10-May-10 POOH with rods, parted @ top o pull rod. POOH with tubing & pump. Ran pressure gradient every 500'. Tagged at 3,705'. Hydrotest tubing to 7000 psig - good. RIH with pump and rods. PWOP.

2-Jun-12 POOH with rods and pump. RIH with pump and rods..

Drill out existing CIBP & cement

L. M.

L 7-R

3409'

3548'

Production Csg.
Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3729 ft
Sxs Cmt: 650
Circ: no
TOC @: 460'
TOC by: circ.

Queen

3550'

3590'

CIBP set @ 3340' w/ 35' cmt on top

Yates- 2978
7 Rvs- 3228
Queen- 3560

Spot 50 sx Class C 3700

PBTD: 3705 ft
TD: 3755 ft

PREPARED BY: Jim Kidd Domingo Carrizales UPDATED: 14-Jun-12

Legacy Reserves

Daily Operations Report
(All Event Days)
10/1/2021 thru 10/31/2021

COOPER JAL UNIT # 509 LEA Co., NM

Event Date 10/20/2021 BOLO ID: 300658.11.02

P/A

Oct 20, 2021 Wednesday Day 1

MIRUPU. SDFN

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Daily Cost: $2,040
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State	New Mexico		1370' FSL & 1368' FEL
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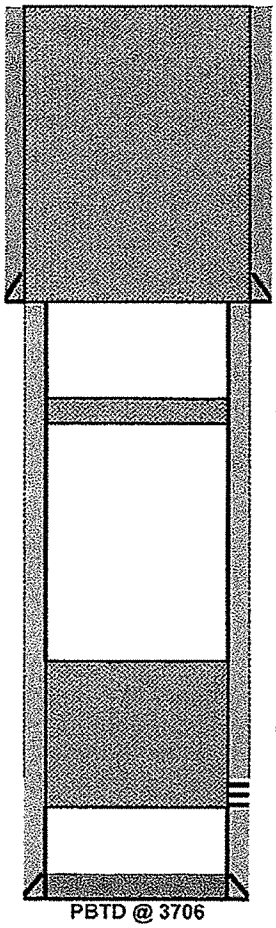

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SPUD DATE:	12/12/06	TD 3755	KB 3311'	DF 3310'	
INT. COMP. DATE:		PBTD 3708	GL 3299'	KB 12'	

GEOLOGICAL DATA

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Jalmat

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CIBP set @ 3340' w/ 35' cmt on top

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Csg. Size: 5 1/2 in
Set @: 3729 ft
Sxs Cmt: 650
Circ: no
TOC @: 460'
TOC by: circ.

PBTD: 3705 ft
TD: 3755 ft

PREPARED BY: Jim Kidd Domingo Carrizales UPDATED: 14-Jun-12

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: LEGACY RESERVES OPERATING, LP 15 Smith Road Midland, TX 79705	OGRID: 240974
	Action Number: 59417
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
kfortner	None	1/12/2022