

State of New Mexico
Energy, Minerals and Natural Resources

Form C-105
Revised July 18, 2013

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

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

WELL API NO.
30-025-09558

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
Cooper Jal Unit

8. Well Number **#107**

9. OGRID Number
240974

10. Pool name or Wildcat
Jalmat; Tan-Yates 7Rvrs

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.)

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

2. Name of Operator

Legacy Reserves Operating LP

3. Address of Operator

P.O. Box 10848, Midland, TX 79702

4. Well Location

Unit Letter **K** : **1650** feet from the **S** line and **1980** feet from the **W** line
Section **13** Township **24S** Range **36E** NMPM County **Lea**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3316' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ **P AND A** ☒
CASING/CEMENT JOB ☐ PNR
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.

10/04/21 MIRU plugging equipment, dug out cellar. ND well head, NU BOP. 10/05/21 Tagged existing cmt @ 3004'. Circ'd hole w/ MLF. Pressure tested csg, held. Spotted 25 sx cmt @ 2900-2653'. WOC. Tagged plug @ 2683'. Perf'd @ 1300'. Pressured up on perfs to 500 PSI. Spotted 30 sx class C cmt @ 1350-1054'. WOC. 10/06/21 Tagged plug @ 1073'. Perf'd @ 302'. Pressured up on perfs to 500 PSI. Perf'd @ 150'. Could not break circulation. Spotted 25 sx class C cmt @ 500-253'. WOC. Tagged plug @ 320'. Spotted 15 sx class C cmt @ 320-172'. WOC. 10/07/21 Tagged plug @ 142'. Perf'd @ 130'. Pressured up to 500 PSI. ND BOP, Spotted 15 sx class C cmt @ 140' to surface. Rigged down & moved off. **10/21/21** 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.

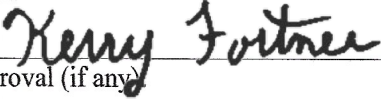
Spud Date:

Rig Release Date:

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

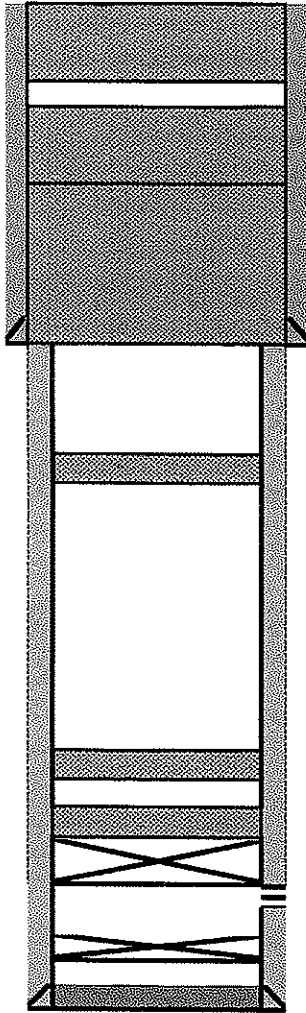
SIGNATURE  TITLE Compliance Coordinator DATE 10/22/2021

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

APPROVED BY:  TITLE Compliance Officer A DATE 1/13/22
Conditions of Approval (if any) 575-263-6633

Legacy		PLUGGED	
Author:	Abby-BCM & Associates, Inc	Well No.	#107
Well Name	Cooper Jal Unit	API #:	30-025-09558
Field/Pool	Jalmat; Tan-T-7Rvs-Langlie Mattix; Q-Ggbg	Location:	Sec 13, T24S, R36E
County	Lea	GL:	1650' FSL & 1980' FWL
State	New Mexico		3316'
Spud Date	8/26/1952		

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	8 5/8	J55	28#	252	11	250	Circ'd
Prod Csg	5 1/2	J55	15.5#	3,426	7 7/8	1,200	Circ'd



TD @

6. Perf'd @ 130'. Pressured up to 500 PSI. Spotted 15 sx class C cmt @ 140' to surface.
5. Spotted 15 sx class C cmt @ 320-172'. WOC. Tagged plug @ 142'
- 8 5/8 28# CSG @ 252
Hole Size: 11
4. Perf'd @ 302'. Pressured up on perms to 500 PSI. Perf'd @ 150'. Could not break circulation. Spotted 25 sx class C cmt @ 500-253'. WOC. Tagged plug @ 320'.
3. Perf'd @ 1300'. Pressured up on perms to 500 PSI. Spotted 30 sx class C cmt @ 1350-1054'. WOC & Tagged plug @ 1073'.
2. Spotted 25 sx cmt @ 2900-2653'. WOC. Tagged plug @ 2683'.
1. Tagged existing cmt @ 3004'. Circ'd hole w/ MLF. Pressure tested csg, held.

Perfs @ 3070-3120'

CIBP @ 3302'

5 1/2 15.5# CSG @ 3,426
Hole Size: 7 7/8

Page 2 of 9

CURRENT COMPLETION SCHEMATIC		LEASE NAME		Cooper Jal Unit		WELL NO.	
		STATUS: Active		Red Pump - Gas		APW: 30-025-09558	
		LOCATION: 1550 FSL & 1880 FWL, Sec 13 T-24S R-36E, Lat County, New Mexico					
		SPUD DATE: 1950		TO: 3611		KB: 3327	
		INT. COMP. DATE: 08/26/52		PSTD: 3267		GL: 3316	
		ELECTRIC LOGS:		GEOLOGICAL DATA		CORES, DST'S or MUD LOGS	
		GR-N (3-23-52 Lane Wells)					
		CBL-GR-MSG-CCL from 3400 - 1500 ft (11-2-34 Halliburton)					
		HYDROCARBON BEARING ZONE DEPTH TOPS:					
		Yates @ 2970'		7-Rvs @ 3178'		Queen @ 3550'	
		Casing Profile					
		SURF. 8 5/8" - 28# J-55 set @ 252' Cmt'd w/200 sxs - circ cmt to surf.					
		PROD. 5 1/2" - 15.5# J-55 set @ 3426' Cmt'd w/200 sxs - TOC @ 2600' fl surf. DV tool @ 1147' - pmp 200 sxs - Sgs cse @ 457'.					
		LINER None				TOC @ surf by circ	
		CURRENT PERFORATION DATA					
		CSG. PERFS:		OPEN HOLE 3426 - 3611'		Isolated below CIBP	
		3070-3120' w/ 4 spf (200-0.56" holes)					
		3405 - 3415' (Isolated below CIBP)					
		TUBING DETAIL		ROD DETAIL			
		5/12/04		8/13/04			
		Length (ft) Detail		Length (ft) Detail			
		2968 92 92 lbs - 2 7/8" 6.5#, J-55, 8rd EUE tbg.		26 1 1 1/4" x 22' polish rod w/ 7/8" pin			
		3 1 1-5 1/2" TAC		0 1 1 1/4" x 1 1/2" x 12' liner			
		98 3 3 lbs - 2 7/8" 6.5#, J-55, 8rd EUE tbg.		20 4 3-6" & 1-2", 7/8", D78 pony rods			
		1 1 1-2 7/8" OD - S.N.		1050 42 43 - 7/8", D78 rods			
		4 1 2 7/8" Perf Sub		1800 72 72 - 3/4", D75 rods			
		31 1 1-2 7/8" J-55 MA		175 7 7-1 1/4", sinker bars			
		3123 btm		16 1 2" x 1 1/4" x 15' pmp (No RHR)			
				0 1 1 1/4" x 6' gas anchor			
				3087 btm			
		WELL HISTORY SUMMARY					
		26-Aug-52 Initial completion interval: 3426-3611' (7 RVS/Queen - OH). IP=0 bopd, 0 bwpp, 4.4 MMcf/gpd @ AOF. ISITP=932 psi.					
		1-Jan-56 Attempted to prod. into int. gas line. Well press too low; showing little light oil. Well fwd by heads into csg head gas line.					
		1-Jan-56 Shut-In. (Reclass. LM oil)					
		15-Feb-73 Converted to injector. C/O to TD @ 3611' & Perf'd 7 RVS 13405-3415. Acct'd w/1,500 gals					
		14-Jul-76 Sqz'd csg leak @ 448' w/ 160 sxs. Had circulation to surface. SI braden head and sqz'd cmt to SIP=700 psi. WOC.					
		Drd out & tst to 1000 psi. OK.					
		3-Nov-84 Ran bit & scraper to 3405'. Ran CBL-GR-CCL 13400 - 1500'. Found TOC @ 2600'. Set CIBP @ 3302' & dmp 35' cmt on top. PSTD= 3267'. Spot 500 gals 10% acetic acid 13120-3070'. Perf'd using 4" csg gun 13070-3120' w/ 4 spf (200 - 0.56" holes) Frac well w/ 70,000 gals & 233,280#s 12/20 sand. PM=3740 - 2150 psi. AIR=40 bpm. ISIP=800 psi. P15min= 250 psig. C/O sand from 2862'-3262' (PSTD). Placed well on production. Pmp: 0 bopd / 65 bwpp / 357 Mcf.					
		12-Aug-04 POOH with rods and pump. Pumped 20 bbls of produced water with 5 gallons of de-emulsifier. Tagged bottom at 3195. Found hole 2 joints above SN. Hydrotest tubing in hole to 7,000# - test good. Set TAC with 15,000# tension. Swabbed well 11 2900' to 2800', recovered 12 bbls of water with some iron sulfide. RH pump & rods. PWOP. Laid down 8 - 7/8" and 34 - 3/4" rods due to wear. Note: Found 2 joints with external erosion located across perforations!					
		CIBP set @ 3020' w/ 35' cmt cap					
		Anhy-113					
		T/Salt- 1300					
		B/Salt-2800 +/-					
		Yates- 2980' +/-					
		7Rvs-3200 +/-					
		Queen- 3430 +/-					
		32. 2146034					
		- 103. 2209549					
		PREPARED BY: Larry S. Adams		UPDATED: 17-Aug-04			

Received by OCD: 3/12/2021 1:47:22 PM

Released to Imaging: 5/5/2021 7:57:20 AM

Legacy ReservesDaily Operations Report
(Selected Days Only)

10/1/2021 thru 10/22/2021

Page 1

Printed 10/22/2021

COOPER JAL UNIT # 107

LEA Co., NM

Event Date: 10/4/2021

BOLO ID: 300658.21.01

WELL IS P/A

Oct 4, 2021 Monday**Day 1**

MIRUPU. SDFN

Daily Cost: \$0

Cum. Cost: \$0

Oct 5, 2021 Tuesday**Day 2**

RIH WITH TUBING AND TAG CEMENT @ 3004', CIRC 70 BLS OF MLF. PRESSURE TEST CSG TO 500# AND IT HELD. SPOT 25 SX OF CLASS C NEAT CEMENT FROM 2900' TO CTC 2653' POOH WITH 20 STANDS. WOC. RIH AND TAG CEMENT @ 2683'. POOH WITH TUBING. PERFORATE @ 1300'. RIH WITH 5.5 PACKER TO 897'. PRESSURE UP TO 500#. POOH WITH PACKER AND RIH WITH TUBING. SPOT 30 SX OF CLASS C NEAT CEMENT FROM 1350' TO CTC 1054. POOH AND SDFN.

Daily Cost: \$0

Cum. Cost: \$0

Oct 6, 2021 Wednesday**Day 3**

RIH AND TAG CEMENT @ 1073'. PERFORATE @ 302' AND PRESSURE TEST CSG TO 500#. PERFORATE @ 150'. PUMP 40 BLS OF BRINE, DIDNT BREAK CIRCULATION. RIH TO 500' AND SPOT 25 SX OF CLASS C NEAT CEMENT FROM 500' TO CTC 253'. POOH AND WOC. RIH AND TAG CEMENT @ 320', PUMP 25 BLS OF BRINE AND DTILL NO CIRCULATION. SPOT 15 SX OF CLASS C NEAT CEMENT FROM 320' TO CTC 172'. POOH AND SHUT DOWN

Daily Cost: \$0

Cum. Cost: \$0

Oct 7, 2021 Thursday**Day 4**

ARRIVE AT LOCATION, OPEN UP WELL. RIH TAG CEMENT @ 142' LD TBG. PERFORATE @ 130'. PRESSURE TO 500# PUMP 15 BBLS BRINE DOWN BACKSIDE. ND BOP, SPOT 15 SX CLASS C NEAT CEMENT FROM 140' TO CTC SURFACE. RIGDOWN.

Daily Cost: \$2,470

Cum. Cost: \$2,470

Report Based On:

Date Range: 10/1/2021 through 10/22/2021

Wells selected based on the following Report Menu selections:

Wells = COOPER JAL UNIT # 107.

Legacy ReservesDaily Operations Report
(Selected Days Only)

10/1/2021 thru 10/22/2021

Page 1

Printed 10/22/2021

COOPER JAL UNIT # 107

LEA Co., NM

Event Date: 10/4/2021

BOLO ID: 300658.21.01

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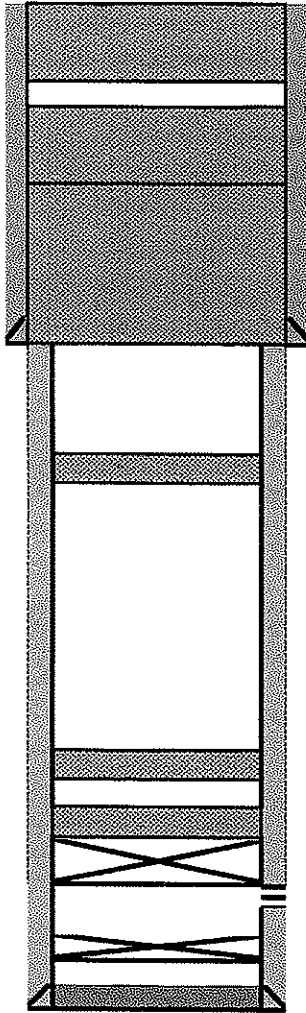
Date Range: 10/1/2021 through 10/22/2021

Wells selected based on the following Report Menu selections:

Wells = COOPER JAL UNIT # 107.

Legacy		PLUGGED	
Author:	Abby-BCM & Associates, Inc	Well No.	#107
Well Name	Cooper Jal Unit	API #:	30-025-09558
Field/Pool	Jalmat; Tan-T-7Rvs-Langlie Mattix; Q-Ggbg	Location:	Sec 13, T24S, R36E
County	Lea	GL:	1650' FSL & 1980' FWL
State	New Mexico		3316'
Spud Date	8/26/1952		

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	8 5/8	J55	28#	252	11	250	Circ'd
Prod Csg	5 1/2	J55	15.5#	3,426	7 7/8	1,200	Circ'd



TD @

6. Perf'd @ 130'. Pressured up to 500 PSI. Spotted 15 sx class C cmt @ 140' to surface.
5. Spotted 15 sx class C cmt @ 320-172'. WOC. Tagged plug @ 142'
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Perfs @ 3070-3120'

CIBP @ 3302'

5 1/2 15.5# CSG @ 3,426
Hole Size: 7 7/8

Page 2 of 9

WELLBORE SCHEMATIC AND HISTORY			
CURRENT COMPLETION SCHEMATIC		LEASE NAME	Cooper Jal Unit
		STATUS	Active
		Red Pump - Gas	
		WELL NO.	107
		APN	30-025-09558
		LOCATION	1550 FSL & 1880 FWL, Sec 13 T - 24S R - 36E, Los County, New Mexico
		SPUD DATE	TO 3611 KB 3327 DF
		INT. COMP. DATE	08/26/04 PBTD 3267 QL 3316
		ELECTRIC LOGS	
		CORES, DST'S or MUD LOGS	
		GR-N (3-23-02 Lane Wells)	
		CBL-GR-MSG-CCL from 3400 - 1500 ft (11-2-34 Halliburton)	
		HYDROCARBON BEARING ZONE DEPTH TOPS:	
		Yates @ 2970' 7-Rvs @ 3178' Queen @ 3550'	
		Casing Profile	
		SURF. 8 5/8" - 28# J-55 set @ 252' Cmt'd w/200 sxs - circ cmt to surf.	
		PROD. 5 1/2" - 15.5# J-55 set @ 3425' Cmt'd w/200 sxs - TOC @ 2600' fl surf. DV tool @ 1147' - pmp 200 sxs - Set cse @ 457'	
		LINER None TOC@ surf by site	
		CURRENT PERFORATION DATA	
		CSG. PERFS: 3070-3120' w/ 4 spf (200 - 0.56" holes) OPEN HOLE 3425 - 3611'	
		3405 - 3415' (Isolated below CIBP)	
		TUBING DETAIL 8/12/04	
		ROD DETAIL 8/13/04	
		Length (ft) Detail	
		2988 92 92 jts - 2 7/8" 6.5#, J-55, 8rd EUE tbg.	
		3 1 1-5 1/2" TAC	
		98 3 3 jts - 2 7/8" 6.5#, J-55, 8rd EUE tbg.	
		1 1 1-2 7/8" OD - S.N.	
		4 1 2 7/8" Perf Sub	
		31 1 1-2 7/8" J-55 MA	
		3123 btm	
		Length (ft) Detail	
		26 1 1 1/4" x 22' polish rod w/ 7/8" pin	
		0 1 1 1/4" x 1 1/2" x 12' liner	
		20 4 3-6" & 1-2", 7/8", D78 pony rods	
		1050 42 43 - 7/8", D78 rods	
		1800 72 72 - 3/4", D75 rods	
		175 7 7 - 1 1/4", sinker bars	
		16 1 2" x 1 1/4" x 15' pmp (No RHR)	
		0 1 1 1/4" x 6' gas anchor	
		3087 btm	
		WELL HISTORY SUMMARY	
		26-Aug-52 Initial completion interval: 3425 - 3611' (7 RVS/Queen - OH). IP=0 bopd, 0 bwppd, 4.4 MMcf/gpd @ AOF. ISITP=932 psi.	
		1-Jan-56 Attempted to prod. into int. gas line. Well press too low; showing little light oil. Well fwd by heads into csg head gas line.	
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		15-Feb-73 Converted to injector. C/O to TD @ 3611' & Perf'd 7 RVS 13405 - 3415. Acct'd w/1,500 gals	
		14-Jul-76 Sqz'd csg leak @ 448' w/ 160 sxs. Had circulation to surface. SI braden head and sqz'd cmt to SIP=700 psi. WOC.	
		Drd out & tst to 1000 psi. OK.	
		3-Nov-84 Ran bit & scraper to 3405'. Ran CBL-GR-CCL 13400 - 1500'. Found TOC @ 2600'. Set CIBP @ 3302' & dmp 35' cmt on top. PBTD= 3267'. Spot 500 gals 10% acetic acid 13120 - 3070'. Perf'd using 4" csg gun 13070-3120' w/ 4 spf (200 - 0.56" holes) Frac well w/ 70,000 gals & 233,280#s 12/20 sand. PM=3740 - 2150 psi. AIR=40 bpm. ISIP=800 psi. P15min= 250 psig. C/O sand from 2862'-3262' (PBTD). Placed well on production. Pmp: 0 bopd / 65 bwppd / 357 Mcf.	
		12-Aug-04 POOH with rods and pump. Pumped 20 bbls of produced water with 5 gallons of de-emulsifier. Tagged bottom at 3195. Found hole 2 joints above SN. Hydrotest tubing in hole to 7,000# - test good. Set TAC with 15,000# tension. Swabbed well 11 2900' to 2800', recovered 12 bbls of water with some iron sulfide. RH pump & rods. PWOP. Laid down 8 - 7/8" and 34 - 3/4" rods due to wear. Note: Found 2 joints with external erosion located across perforations!	
		CIBP set @ 3020' w/ 35' cmt cap	
		Anhy-113	
		T/Salt- 1300	
		B/Salt-2800 +/-	
		Yates- 2980' +/-	
		7Rvs-3200 +/-	
		Queen- 3430 +/-	
		32. 2146034	
		- 103. 2209549	
		PREPARED BY: Larry S. Adams	
		[UPDATED: 17-Aug-04]	

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
Phone:(575) 748-1283 Fax:(575) 748-9720

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

Action 57522

CONDITIONS

Operator: LEGACY RESERVES OPERATING, LP 15 Smith Road Midland, TX 79705	OGRID: 240974
	Action Number: 57522
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
kfortner	None	1/13/2022