

Well Name: LEA UNIT	Well Location: T20S / R34E / SEC 12 / NWNW / 32.59272 / -103.5197906	County or Parish/State: LEA / NM
Well Number: 21	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number:	Unit or CA Name: LEA UNIT	Unit or CA Number: NMNM70976X
US Well Number: 300253752500S2	Operator: AVANT OPERATING LLC	

LONG VO

Digitally signed by LONG VO
Date: 2025.05.30 10:09:31
-05'00'

Notice of Intent

Sundry ID: 2848188

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 04/18/2025

Time Sundry Submitted: 06:05

Date proposed operation will begin: 05/30/2025

Procedure Description: 1) SET 5-1/2" CIBP @ 9,512'; CIRC. WELL W/ M.L.F.; PRES. TEST 5-1/2" CSG. X CIBP TO 500# X HOLD FOR 30 MINS.; RUN CBL. 2) PUMP (25) SXS. CLASS "H" CMT. @ 9,550'-9,309'; WOC X TAG TOC. 3) PUMP (28) SXS. CLASS "H" CMT. @ 8,280'-8056' (T/BNSG.). 4) PERF. X ATTEMPT TO SQZ. (65) SXS. CLASS "C" CMT. @ 5,703'-5,513' (T/DLWR., 9-5/8" CSG.SHOE); WOC X TAG TOC. 5) PERF. X ATTEMPT TO SQZ. (149) SXS. CLASS "C" CMT. @ 3,980'-3,479' (T/REEF, T/YATES); WOC X TAG TOC. 6) PERF. X ATTEMPT TO SQZ. (65) SXS. CLASS "C" CMT. @ 1,760'-1,620' (T/SALT, 13-3/8" CSG.SHOE); WOC X TAG TOC. 7) PERF. X CIRC. TO SURF., FILLING ALL ANNULI, (30) SXS. CLASS "C" CMT. @ 100'-3'. 8) DIG OUT X CUT OFF WELLHEAD 3' B.G.L.; VERIFY CMT. TO SURF. ON ALL ANNULI; WELD ON STEEL PLATE TO CSGS. X INSTALL DRY HOLE MARKER. DURING THIS PROCEDURE WE PLAN TO USE A CLOSED-LOOP SYSTEM WITH A STEEL TANK AND HAUL CONTENTS TO THE REQUIRED DISPOSAL, PER OCD RULE 19.15.17.

NOTE: L.P.C.A.

B.G.L. D.H.M

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Avant_Operating___Proposed_WBD___Lea_Federal_Unit_021_20250418180218.pdf

Avant_Operating___Current_WBD___Lea_Federal_Unit_021_20250418180150.pdf

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

Well Number: 21

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number:

Unit or CA Name: LEA UNIT

Unit or CA Number:
NMNM70976X

US Well Number: 300253752500S2

Operator: AVANT OPERATING LLC

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: DAVID EYLER

Signed on: APR 18, 2025 06:04 PM

Name: AVANT OPERATING LLC

Title: Agent

Street Address: 415 W. WALL AVE., SUITE 1118

City: MIDLAND

State: TX

Phone: (432) 687-3033

Email address: DEYLER@MILAGRO-RES.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

APPROVED by Long Vo
Petroleum Engineer
Carlsbad Field Office
575-988-50402
LVO@BLM.GOV

Sundry ID		2848188					
Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Fresh Water @ 50	-0.50	100.00	100.50	base no need to Tag (CIBP present and/or Mechanical Integrity Test), If			
Surface Plug	0.00	100.00	100.00	Tag/Verify	30.00	C	Perf and squeeze from 100' to surface. (In 10 sxs/out 20 sxs)
13.375 inch- Shoe Plug	1628.05	1745.00	116.95	Tag/Verify	41.00	C	Perf and squeeze from 1760' to 1628'. WOC and Tag. (In 14 sxs/out 27 sxs)
Yates @ 3565	3479.35	3615.00	135.65	base no			
Capitan Reef @ 3930	3840.70	3980.00	139.30	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	149.00	C	Perf and squeeze from 3980' to 3479'. WOC and Tag. (In 50 sxs/Out 99 sxs)
9.625 inch- Shoe Plug	5513.80	5670.00	156.20	Tag/Verify			
Delaware @ 5643	5536.57	5693.00	156.43	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	57.00	C	Perf and squeeze from 5703' to 5513'. WOC and Tag. (In 18 sxs/Out 36 sxs)

				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			
Bonesprings @ 8188	8056.12	8238.00	181.88		28.00	H	Spot cement from 8280' to 8056'.
				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			
CIBP Plug	9477.00	9512.00	35.00		25.00	H	Set CIBP at 9512'. Leak test CIBP. Spot 25 sxs on top.
Perforations Plug (If No CIBP)	9512.00	11072.00	1560.00	Tag/Verify			
Wolfcamp @ 10961	10801.39	11011.00	209.61	base no			
5.5 inch- Shoe Plug	10969.69	11181.00	211.31	Tag/Verify			

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C <7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater

R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft³/sx

Class H: 1.06 ft³/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement Requirement:

Low

13.375 inch- Shoe Plug @

1695.00

9.625 inch- Shoe Plug @

5620.00

5.5 inch- Shoe Plug @

11131.00

TOC @ 5956.00

Perforatons Top @

9562.00

Perforations 11022.00

CIBP @ 9512.00

30-025-37525

PLUGGING & ABANDONMENT WORKSHEET

CURRENT

OPERATOR AVANT OPERATING, LLC.
LEASENAME LEA FEDERAL UNITWELL # 021
SECT 12 TWN 20S RNG 34E
FROM 810' NSL 810' ENL
TD: 11,148' TVD. FORMATION @ TD
PBD: 11,112' TVD FORMATION @ PBD13-3/8"
@ 1,695'
TOC SURF.9-5/8"
@ 5,620'
TOC SURF.9,562' - 11,022'
5-1/2"
@ 11,131'
TOC 5,956'

TD 11,148'

	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	13-3/8"	1,695'	SURF.	CIRC.
INTMED 1	9-5/8"	5,620'	SURF.	CIRC.
INTMED 2				
PROD	5-1/2"	11,131'	5,956'	CALC.
	SIZE	TOP	BOT	TOC DETERMINED BY
LINER 1				
LINER 2				
	CUT & PULL @		TOP - BOTTOM	
INTMED 1			PERFS	-
INTMED 2			OPENHOLE	-
PROD				

* REQUIRED PLUGS DISTRICT I

RUSTLER (ANHYD)	
YATES	
QUEEN	
GRAYBURG	
SAN ANDRES	
CAPTIAN REEF	
DELAWARE	
BELL CANYON	
CHERRY CANYON	
BRUSHY CANYON	
BONE SPRING	
GLORIETA	
BLINEBRY	
TUBB	
DRINKARD	
ABO	
WC	
PENN	
STRAWN	
ATOKA	
MORROW	
AGGS	
DEVONIAN	

PLUG	TYPE	SACKS	DEPTH
PLUG	PLUG	CMNT	
EXAMPLES			
PLUG #1	OH	25 SKS	9850'
PLUG #2	SHOE	50 SKS	8700'-8800'
PLUG #3	CIBP/35'		5300'
PLUG #3	CIBP	25 SKS	5300'
PLUG #4	STUB	50 SKS	4600'-4700'
PLUG #6	RETNR SOZ	200 SKS	400
PLUG #7	SURF	10 SKS	0-10'
PLUG #1			
PLUG #2			
PLUG #3			
PLUG #4			
PLUG #5			
PLUG #6			
PLUG #7			
PLUG #8			
PLUG #9			
PLUG #10			
PLUG #			
PLUG #			

DAE 03/27/25

PLUGGING & ABANDONMENT WORKSHEET

PROPOSED

OPERATOR AVANT OPERATING, L.L.C.
LEASENAME LEA FEDERAL UNIT

SECT 12 TWN 20S RNG 34E
FROM 810' NSL 810' EOL
TD: 11,148' TVD. FORMATION @ TD
PBD: 11,112' TVD FORMATION @ PBD

PERF. XCIRC. ~~(25) SXS @ 63' 3"~~ T/ANHY. - 1,670'
100' to surface. 30 sxs Class C T/SALT. - 1,710'
PERF. X SQZ. (65) SXS @ 1,760' - 1,620' - TAG B/SALT - 3,160'
T/YATES - 3,600'
T/REEF - 3,860'
T/DLWR. - 5,643'
T/IBNSG. - 8,190'

PERF. X SQZ. (140) SXS @ 3,910' - 3,550' - TAG
3980' to 3479', 149 sxs, Class C
PERF. X SQZ. (65) SXS @ 5,703' - 5,560' - TAG
5703' to 5513', Class C

PUMP (25) SXS @ 8,280' - 8,100' 8280' to 8056', 28 sxs Class H

PUMP (25) SXS @ 9,550' - 9,360' - TAG 9512' to 9309',
Class H
SET 5-1/2" CIBP @ 9,550' 9512', Leak test CIBP

9,562' - 11,022'
5-1/2"
@ 11,131'
TOC 5,956'

TD 11,148'

*Run CBL from CIBP to surface.

Submit results to BLM.

REVISED

10:05 am, May 30, 2025

DAE 03/15/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 469406

CONDITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 469406
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	Run CBL 9512' to Surface	6/10/2025
gcordero	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	6/10/2025
gcordero	Submit Cement Bond Logs (CBL) prior to submittal of C-103P.	6/10/2025