

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 30-025-32549
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator LINN OPERATING, LLC		6. State Oil & Gas Lease No.
3. Address of Operator 600 TRAVIS ST., SUITE 1400, HOUSTON, TX 77002		7. Lease Name or Unit Agreement Name CAPROCK MALJAMAR UNIT
4. Well Location Unit Letter <u>D</u> : <u>1300</u> feet from the <u>NORTH</u> line and <u>20</u> feet from the <u>WEST</u> line Section <u>20</u> Township <u>17S</u> Range <u>33E</u> NMPM LEA County		8. Well Number 178
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4212' GL		9. OGRID Number 269324
		10. Pool name or Wildcat MALJAMAR;GRAYBURG;SAN ANDRES

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

NOTICE OF IN'

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

INT TO PA

P&A NR FM

P&A R         

SUBSEQUENT REPORT OF:

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

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.

Linn Operating, LLC is respectfully submitting for your review and approval the final plug and abandonment operational summary for the referenced well in Lea County.

The summary and a final wellbore diagram are attached to this filing.

FINAL PLUG AND ABANDONMENT OPERATIONS WERE COMPLETED ON 01/10/2018.

Approved for Plugging of wellbore only. Liability under bond is retained pending restoration and completion of the C-103, Specific for Subsequent Report of Well Plugging, which may be found on the OCD web page under forms.  
Restoration Due By 01-28-2019

Spud Date:

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

SIGNATURE Debi Gordon TITLE Regulatory Manager DATE 01/23/2018

Type or print name Debi Gordon E-mail address: dgordon@linnenergy.com PHONE: 281.840.4010

For State Use Only

APPROVED BY: Mark P. S. TITLE P.E.S. DATE 01/29/2018

Conditions of Approval (if any):



## Job Chronology

**Well Name: CAPROCK MALJAMAR UNIT 178**

API/UWI 3002532549	Field Name PBNM - PB - CAPROCK MALJAMAR	County Lea	State/Province NM	Section 20	Township 017-S	Range 033-E	Survey	Block
Ground Elevation (ft) 4,212.00	KB-Ground Distance (ft) 14.00	Initial Spud Date 9/6/1994	Rig Release Date	TD Date 9/15/1994	Latitude ("") 32° 49' 25.537" N	Longitude ("") 103° 41' 37.62" W	Operated? Yes	

Job Category Workover/Maint	Primary Job Type Abandonment	Secondary Job Type Plug and Abandon (P&A)	Start Date 1/4/2018	End Date	AFE Number PC- R17151502
Report Start Date 1/4/2018 14:00	Report End Date 1/4/2018 20:00	Operations Summary MIRU			
Report Start Date 1/5/2018 06:00	Report End Date 1/5/2018 19:00	Operations Summary DRIVE TO LOCATION,MIRU- TIH W/TUBING TAG @ 4122.127. SDFN,DRIVE TO YARD			
Report Start Date 1/8/2018 06:00	Report End Date 1/8/2018 16:30	Operations Summary DRIVE TO LOCATION, RU CMT UNIT & CIRC. WELL W/ 90 BBLs MLF, PRESSURE TEST TO 500#, GOOD, CONTACTED OCD (MARK WHITAKER) WAVED TAG @ 2650', SPOT 25 SX CMT@ 4122' TO CTOC 3875', LD TUBING TO 2665' SPOT 30 SX CMT. TO CTOC 2369' POOH W/TUBING STAND BACK 21 STDS.,LD REST OF TUBING, TIH & SET 5 1/2"PKR @ 1040, SDFN, DRIVE TO YARD			
Report Start Date 1/9/2018 06:00	Report End Date 1/9/2018 19:00	Operations Summary DRIVE TO LOCATION,RU WIRE LINE, TIH W/ TUBING AND PERFORATE @1363, AFTER TAGGING CMT @ 2369', TEST 1000#, CONTACTED OCD ( MARK WHITAKER), POOH W/PKR, TIH OPEN ENDED TO 1412',SPOT 25 SX CMT TO CTOC 1165' W/ 2% CALCIUM, POOH, WOC, TIH TAG@1162', POOH, RU WIRE LINE, TIH PERF @250', RD WIRE LINE, TIH W/ PKR 5 1/2" 15' LOAD HOLE, SET PKR ESTABLISH RATE1.5 BPM, CALL OCD (MARK WHITAKER), OK TO SQUEEZE 30 SX TO DISPLACE TO 100', AND TAG, SDFN			
Report Start Date 1/10/2018 06:00	Report End Date 1/10/2018 18:00	Operations Summary DRIVE TO LOCATION, RELEASE PKR.,POOH W/ PKR., TIH TAG @ 92', POOH W/ TUBING, ND BOP, TIH W/ TUBING PUMP 10 SX. FROM 92' TO SURFACE, POOH W/ TUBING, TOP OFF WELL WITH CMT., RD PULLING UNIT & PUMP EQUIPMENT., MOVE TO NEXT LOCATION, SDFN			



Well Name: CMU 178  
 Location: D-20-17S-33E 1300 FNL 20 FWL  
 Lea County, NM  
 API #: 30-025-32549

Elevations: GROUND: 4212'  
 KB: 4226'  
 Depths (KB): PBTD: 5488'  
 TD: 5550'

# Wellbore Schematic - Current

Date Prepared: 3-Jan-12 K. Murphy  
 Last Updated: 18-Jan-18 G. Waters  
 Spud Date: 6-Sep-94  
 RR Date:  
 Spud Date to RR Date:  
 Completion Start Date:  
 Completion End Date:  
 Completion Total Days:  
 Co-ordinates:

Top off well w/  
 cmt f/ 92'-surface

Perf @ 250' & Sqz  
 w/ 30 sx, Tag cmt @

Surface Csg  
 8-5/8"  
 Set @ 1313'  
 TOC @ Surface

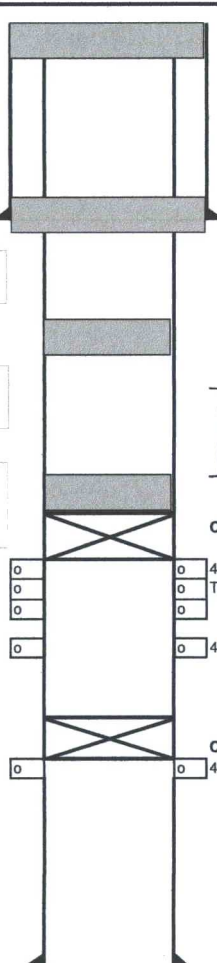
Perf @ 1,363', test to 1000#  
 Spot 25 sx f/ 1,412'-1,162'

Possible tight spot  
 @ 1700'

Spot 30 sx f/ 2,665'-  
 2,369'

1/5/18: Tag plug @  
 4,122', spot 25 sx f/  
 4,122'-3,875'

Production Csg  
 5-1/2"  
 Set @ 5546'  
 TOC @ Surf



Hole size

12-1/4"

Hole size

7-7/8"

Csg leak @4057-  
 4088' Cmt sqz'd

CIBP @ 4122'

4150-4388  
 Top of fish @ ~4211'

4438-4545

CIBP @ 4700'

4725-4750

## Surface Casing:

31 jts 8-5/8", 24#, J-55 csg set @ 1313'.  
 Cmt w/ 350 sxs Hal Lite w/ 1/4# flocele, tail w/ 250 sxs Cl C 2% CaCl, 1/4# Flocele. Circ 90 sxs to pit.  
 TOC @ Surface

## Production Casing:

5-1/2" 17#, J-55 set @ 5546'  
 Cmt w/ 1075 sxs lit & 825 sxs Prem Plus.  
 TOC @ Surf

## Tubing:

2-7/8"

Length Depth

## Rods:

Length

## Notes:

Top of Salt - 1450'

Base of Salt - 2458'

## Perforations: (9/19/94-10/4/1994)

4725,30,31,37,38,42,43,44,49,50 ( Acidized w/1000 gal 15% NEFE)  
 San Andreas - 4438,44,56,75,78,80,81,87,91,4514,15,26,44,45 ( Acidized w/3000 gal 15% NEFE, 3000 gal Mod 202)  
 Grayburg - 4150,55,57,88,96,97,98,4243,56,57,58,89,94,95,4314,2021,22,34,37,47,60,61,67,  
 72,73,74,77,82,88 ( 30 holes) (Acidized w/3000 gal 15% NEFE and Frac'd w/75,000 gal 35# linear gel & 95,000# 20/40  
 sand & 44,000# 12/20 sand)

## Casing Leaks

4/11/2012 - Found csg leak f/4059' to 4088'.  
 4/12/2012 - Csg to 400 PSI established inj. rate 2 BPM @ 750 PSI pump 100 sx class cmt to sqz csg leaks @4057' -  
 4088' Flush cmt pass pkr. Stage cmt sqz to 1550 PSI.  
 4/13/2012 - Tested csg. 540# 30 min. Held ok. RD PU, & cleaned location. Secured well

## Well Status

TA'd. Expires 4/16/2014