

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

Form C-103
October 13, 2009

HOBBS OGD
SEP 16 2013

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

WELL API NO. 30-025-32931
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name CAPROCK MALJAMAR UNIT
8. Well Number: 164
9. OGRID Number 269324
10. Pool name or Wildcat MALJAMAR;GRAYBURG-SAN ANDRES

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
LINN OPERATING, INC.

3. Address of Operator
600 TRAVIS, SUITE 5100, HOUSTON, TEXAS 77002

4. Well Location

Unit Letter M; 269 feet from the S line and 23 feet from the W line
Section 17 Township 17S Range 33E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
4,207' 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 ☐

OTHER: ☐

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.

Proposed P&A Procedures –

1. MIRU plugging equip. NU BOP.
2. RIH and set 5-1/2 CIBP @ 4150'. Circ hole w/mud laden fluid. Spot ^{25sx} 20 sx cmt on top of plug 4150-4050.
3. Spot 26 sx cmt @ 2485-2385. (Base of Salt)
4. Spot 45 sx cmt @ 1508-1270. (Top of Salt and shoe plug) WOC & Tag
5. Spot 40 sx cmt @ 350 - surface.
6. Cut off wellhead and weld on Dry Hole Marker.

* Use Closed Loop System to circulate into

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 Terry B. Callahan TITLE: REG COMPLIANCE SPECIALIST III DATE SEPTEMBER 13, 2013

Type or print name TERRY B. CALLAHAN

E-mail address: tcallahan@linenergy.com

PHONE: 281-840-4272

For State Use Only

APPROVED BY: Terry B. Callahan

TITLE: DIST. MGR

DATE: 9-18-2013

Conditions of Approval (if any):

OIL CONSERVATION DIVISION - Hobbs office **Must Be Notified**
24 hours prior to the beginning of Plugging Operations.

SEP 18 2013

	Location:
Location	269° FSL & 23° FWL
Section:	T: 17S R: 33E Sec: 17
Block:	
Survey:	
County:	Lea
Lat/Long:	
Field:	Maljamar Grayburg San Andres
	Elevations:
GL:	4,207'
DF:	
KB-GL Calc:	
ck w/log?	

Logging Requirements:

[illegible]

5-1/2", 17#
set@ 5.550

Hole Size:	12 1/4
Surf Csg:	8-5/8", 24#, 1-55
Cement Blend:	600 sx
Depth:	1320'
TOC:	Circ cmt to Surf

Hole Size: Int Csg:
Cement Blend:
Returns: TOC:

5/2/1995	Perf'd 4727'-4792'
5/4/1995	Perf'd 4491'-4569'
5/8/1995	Perf'd 4194'-4389'

(5/2/1995)

4727'-4792' Acidize/3000 gal 15% NEFE acid and 30 ball sealers

4727'-4792' re-Acidize/3000 gal 15% NEFE acid and 30 ball sealers

4491'-4569' Acidize/3000 gal 15% NEFE acid and 25 ball sealers

4184'-4389' Acidize/3000 gal 15% NEFE acid and 80 ball sealers

Frac w/ 74,100 gals 35# gel + 95,000# (1-3#/gal) 20/40 + 44,000# 12/20 sd

(5/22/1997)

4184'-4792' Acidize/w/ 1000 gal 15% NEFF acid

Tubing Detail	
Joints	Description
	2 7/8
SN depth	4815'

Rod Detail (top to bottom)	
Rods	Description

Hole Size:	7 7/8
Prod Csg:	5-1/2", 17#, J-55
Capacity (bbl/ft):	
Cement Blend:	1425 sxs
Returns:	
TOC:	Circ cmt to surf
Depth	5550'

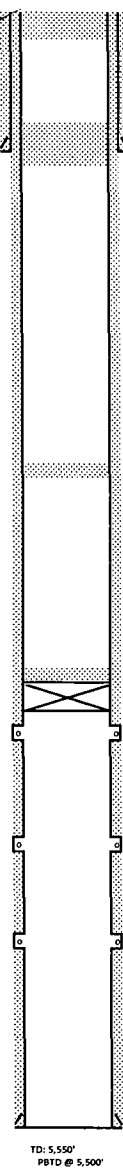
Current Wellbore Diagram

Well Name: CMU #164	
Location:	269' FSL & 23' FWL
Section:	T: 175 R: 33E Sec: 17
Block:	
Survey:	
Country:	Lea
Lat/Long:	
Field:	Mallamar Grayburg San Andries
Elevations:	
GL:	4,207'
DF:	
KB-GL Calc:	
ck w/log?	

Logging Requirements:

Date	
4/19/1995	Spud 12-1/4" hole & drild to 1,320'. Set 8-5/8" csg @ 1,320' & cmtd w/ 600 sx: Circ 100 sx to surf
5/2/1995	Tagged PBTD @ 5,500'; Perf'd Jackson zone f/ 4,727', 28', 52', 53', 57', 58', 65', 66', 67', 78', 79', 91', 92' @ 1
5/8/1995	Perf'd Grayburg zones f/ 4,184', 85', 4,218', 20', 21', 22', 35', 48', 66', 67', 77', 78', 79', 92', 93', 96', 4,311'
5/10/1995	Frac Grayburg zone 4,184'-4,389' (36 holes). Pump 74,100 gals 35# liner gel + 95,000# (1-3# gal) 20/40 sand
5/15/1995	RIH w/ retrieving tool and 2-7/8" tbg. Release RBP @ 4,430'. TOH. LD RBP. RIH. Release RBP @ 4,610'. TOH.
5/17/1995	RIH w/ prod equipment. Initial potential test: 24-hr test: 114 BOPD, 46MCFD, 492 BWPD
5/22/1997	POH w/ prod equip. RU HES & pumped 1,000 gal 15% NEFE acid down tubing & up to 4,184'. SD 1 hr.
1/29/1998	POH w/ prod equip and tbg. RIH w/ CIBP & 2-7/8" tbg to 4,100'. Set CIBP @ 4,100'. POH w/tbg. ND BOP. NU
6/24/2003	RIH w/ 4" drilling bailer. Tag CIBP @ 4,128'. Knocked CIBP loose @ 4,130'. Encountered large water flow.
6/25/2003	RIH w/ 4-3/4" bit & 5-1/2" scraper on 2-7/8" tbg. Tag @ 3,812'. Worked CIBP to 3,835'. Could not continue
9/26/2003	RIH w/ 4" drilling bailer. Tag CIBP @ 3,420'. Knocked CIBP down to 4,337'. Would not go further. POH & LD
9/27/2003	RU reverse unit. RIH w/ 4-3/4" cone bit and 3-1/2" DC's on 2-7/8" tbg. Tag CIBP @ 4,337'. Drill to 4,502'.
9/29/2003	POH. LD tools and DC's.
9/29/2003	RIH w/ prod equip. Tbg @ 4,140'. SN @ 4,105'. RD BOP NU WH RIH w/ rods and pump. Left well pumping to

Proposed Wellbore Diagram



Well Name:	CMU #164
API No:	30-025-32931
Spud Date:	4/19/1995
WBD Update:	6/13/2013 R. Van Howe

Hole Size:	12 1/4
Surf Csg:	8-5/8", 24#, J-55
Cement Blend:	600 sx
Depth:	1320'
TOC:	Circ cmt to Surf

Hole Size:	
Int Csg:	
Cement Blend:	
Returns:	
TOC:	

Details of Performances

5/2/1995	Perf'd 4727'-4792'
5/4/1995	Perf'd 4491'-4569'
5/8/1995	Perf'd 4194'-4389'

Acid or Fracture Treatment Details

(5/2/1995)

2550' Spot 20 sx cmt @ 7,385'-2,485'

4727'-4792' Acidize/3000 gal 15% NEFE acid and 30 ball sealers
 4727'-4792' re-Acidize/3000 gal 15% NEFE acid and 30 ball sealers
 4491'-4569' Acidize/3000 gal 15% NEFE acid and 25 ball sealers
 4184'-4389' Acidize/3000 gal 15% NEFE acid and 80 ball sealers
 4184'-4389' frac w/ 74,100 gals 35# gel + 95,000# (1-3# gal) 20/40 + 44,000# 12/20 sd
 (5/22/1997) Acidized w/ 1000 gal 15% NEFE acid
 4184'-4792'

tubing failed with 900 gal on formation

Tubing Detail	
Joints	Description
	2 7/8
SN depth	4815'

Rod Detail (top to bottom)	
Rods	Description

Pumping Unit:

Hole Size:	7 7/8
Prod Csg:	5-1/2", 17#, J-55
Capacity (bbl/t):	
Cement Blend:	1425 sxs
Returns:	
TOC:	Circ cmt to surf
Depth:	5550'

5-1/2", 17# set @ 5,550'