

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 87401
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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

OCT 28 2011

WELL API NO. 30-025-01493
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: 083
9. OGRID Number 269324
10. Pool name or Wildcat 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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other INJECTION <input type="checkbox"/>	
2. Name of Operator LINN OPERATING, INC.	
3. Address of Operator 600 TRAVIS, SUITE 5100, HOUSTON, TEXAS 77002	
4. Well Location Unit Letter <u>O</u> : <u>660</u> feet from the <u>S</u> line and <u>1980</u> feet from the <u>E</u> line Section <u>20</u> Township <u>17S</u> Range <u>33E</u> NMPM LEA County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4,187'	

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.

LINN PROPOSES TO PLUG AND ABANDON THE CMU 083. PLUGGING PROCEDURES ATTACHED.

The Oil Conservation Division Must be notified
24 hours prior to the beginning of plugging operations.

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: REGULATORY SPECIALIST III DATE OCTOBER 27, 2011

Type or print name TERRY B. CALLAHAN E-mail address: tcallahan@linneenergy.com PHONE: 281-840-4272

For State Use Only

APPROVED BY:

[Signature]

TITLE

STAFF MGR

DATE

10-31-2011

Conditions of Approval (if any):

OCT 31 2011

CAPROCK MALJAMAR UNIT #083

API #30-025-01493

PLUGGING AND ABANDONMENT PROCEDURES ATTACHMENT

MIRU PLUGGING RIG

POOH W/ INJ TBG & PKR

RIH & SET CIBP @ 4140' & CAP WITH 35 SXS CMT

WOC

RIH & TAG TOP OF CIBP

CIRC THE HOLE WITH MUD LADEN FLUID

SPOT A 25 SX PLUG @ 2650' (COVERS 50' ABOVE AND BELOW BASE OF SALT)

WOC & TAG NO LOWER THAN 2550'

SPOT A 25 SX PLUG @ 1520 (COVERS 50' ABOVE AND BELOW TOP OF SALT)

WOC & TAG NO LOWER THAN 1420'

PERF THE 4" CSG @ 359' AND CIRC C1 C CMT IN/OUT OF CSG TO SURFACE

WOC

SET THE DRY HOLE MARKER & CLEAN UP LOCATION

Wellbore Diagram

Lease & Well No. Caprock Maljamar Unit #83
 Field Name Maljamar (Grayburg San Andres)
 Location 660' FSL & 1980' FEL; T. 17S R. 33E Sec: 20

Former Name _____
 County & State Lea County, New Mexico
 API No. 30-025-01493

K.B. Elevation _____
 D.F. Elevation _____
 Ground Level 4,203'

Surface Casing				
Size (OD)	8 5/8"	Weight	28.0#	Depth 309'
Grade		Sx. Cmt.	200 sx	TOC @ Surface

Production Casing				
Size (OD)	5 1/2"	Weight	14.0#	Depth 4,239'
Grade		Sx. Cmt.	150 sx	TOC @ Unk

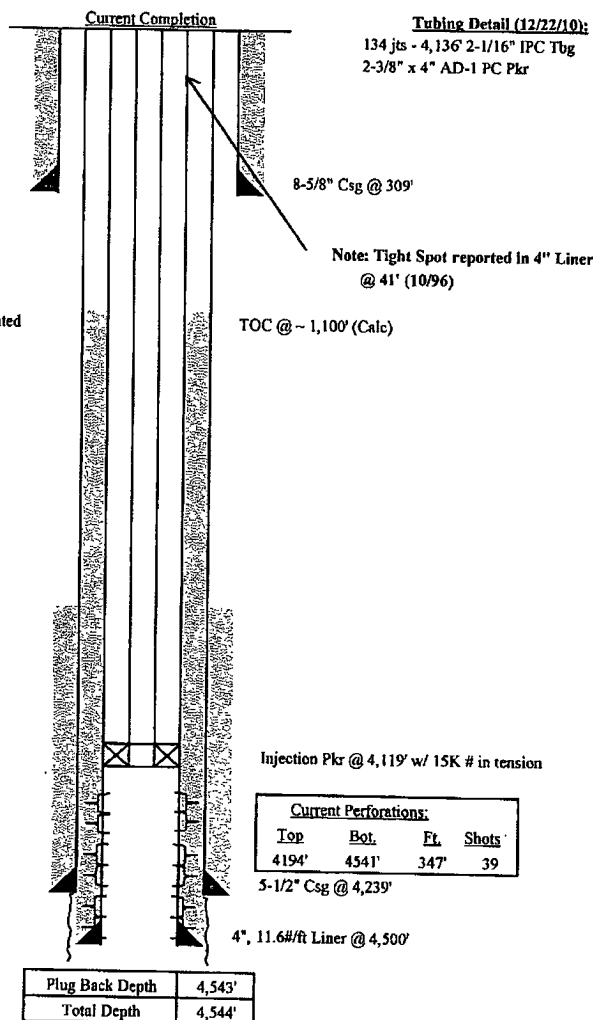
Production Liner				
Size (OD)	4"	Weight	11.60#	Depth 4,500'
Grade		Sx. Cmt.	350 sx	TOC @ 1,100'

Calculated

Well History

4/29/55 - Spud Well; Set 8-5/8" csg string @ 309'; Cmt'd w/ 200 sx; Circ cmt to surface; tstd to 1000 psi and held ok
 5/7/55 - Set 5-1/2" csg string @ 4,239'; Cmt'd w/ 150 sx cmt; tstd ok, 1,500 psi; TD well @ 4,393'
 5/23/55 - frac'd open hole w/ 12,000 gals oil + 12,000# sd;
 2/1/67 - Acdz w/ 500 gals 28% acid
 11/1/69 - Frac'd w/ 5,000 gals gelled H2O + 5,000# 20/40 sd
 11/1/77 - well shut-in w/ rods and tbg scaled up
 11/6/90 - tried to pull rods & tbg; stuck high; PU wash pipe and washed over tbg; POH, OD cut tbg w/ mechanical cutter; POH w/ 5 jts and rods inside; Continued down to 4,259' or 20' into OH; RIH w/ pkr and set same @ 4,204'; Acids w/ 1,500 gals 15% NEFE; Pkr leaking, replaced, but 1/7/91 - still leaked; Put well back on production, making all H2O
 2/5/91 - POH w/ production eqpmt & RIH w/ pkr, set same at 4,017' to shut-off H2O; RIH w/ prod eqpmt;
 5/7/94 - POH w/ rods; try to pull tbg, but stuck; pumped fresh H2O down annulus and work tbg free; RIH w/ 4-3/4" bit and tagged fill @ 3,997'; drld through bridge and dropped down to 4,242'; tagged possible packer left in hole & RIH w/ 4-1/2" shoe + wash pipe; milled 2' of steel to 4,244'; Mill quit cutting @ 4,245'; POH & run mill again to 4,245.5'; milled 6" more cutting steel & calcium sulfate; milled & removed fish @ 4,247' - 4,380' (+/- 35 days); deepened well to 4,544'
 6/22/94 - RIH w/ 4" Liner & set same @ 4,500'; Cmt'd same w/ 350 sx; did not circ to surface, but had full returns while cmtg; CBL indicates TOC @ 1,100' (Calc), did not take into account OH interval below 5-1/2" string
 6/28/94 - Perf'd 4,194', 95', 96', 4,211', 12', 20', 40', 45', 46', 50', 71', 73', 74', 80', 81', 85', 86', 94', 95', 4,310', 11', 12', 29', 33', 39', 44', 45', 68', 69', 79', 80', 83', 88', 98', 4,447', 48', 49', 4,540' & 41' (39 holes total); RIH w/ pkr & set same @ 4,140'; Acdz perms w/ 3,500 gals 15% NEFE + 80 BS; Put well on production
 10/23/96 - RIH w/ 4" CTBP & set same @ 4,494'; RIH w/ pk & set same @ 4,076'; acdz w/ 250 gals Xylene + 3,000 gals 15% HCl + 70 BS; RIH w/ 4" AD-1 inj pkr and 2-1/16" IPC tbg & place well on injection, Note: 'Tight spot @ 41'
 9/19/05 - Hydrotested tbg & re-set/dressed pkr; set @ 4,155'
 12/10/10 - RU and try to unset pkr; unable to do so, POH w/ IPC tbg; RIH w/ 3-1/4" gauge ring; tagged @ 4,150'; POH and RIH w/ overshot, tag @ 4,140' & work down to 4,200'; did not latch onto pkr; started drlg on pkr @ 4,200' & cnd out to 4,485'; RIH w/ acdz pkr & set same @ 4,088'; Acdz perms (4,194' - 4,449') w/ 2,500 gals 15% acid + mutual solvent + rock salt; RIH w/ new AD-1 pkr & 2-1/16" IPC tbg; Set pkr @ 4,147'; tstd csg to 330 psi, had trouble getting well to test ok, 12/22/10 set pkr @ 4,119' & tstd csg to 360 psi, held ok for 30 min; put well on injection
 7/13/2011 - Flowed well back. Tested 4" csg to 540 psi - lost 10 psi in 30 mins. Tested 5-1/2" csg to 560 psi, lost 20 psi in 30 mins RDMO

Formation Record	Depth
Anhydrite	1,360'
Top of Salt	1,470'
Base of Salt	2,600'
Yates	2,690'
Queen	3,620'
Grayburg	4,030'



Wellbore Diagram

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Grade		Sx. Cmt.	150 sx	TOC @
				Unk
Production Liner				
Size (OD)	4"	Weight	11.60#	Depth
Grade		Sx. Cmt.	350 sx	TOC @
				1,100'

Calculated

P&A Procedure

MIRU plugging rig.
 POOH with inj tubing & pkr.
 RIH & set CIBP @ 4140' & cap with 35 sxs cmt.
 WOC
 RIH & tag top of CIBP.
 Circ the hole with mud laden fluid.
 Spot a 25 sx plug at 2650' (covers 50' above and below base of salt).
 WOC and tag no lower than 2550'.
 Spot a 25 sx plug at 1520' (covers 50' above and below top of salt).
 WOC & tag no lower than 1420'.
 Perf the 4" csg at 359' and circ CI C cmt in/out of csg to surf.
 WOC.
 Set the dry hole marker and clean up location.

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Anhydrite	1,360'
Top of Salt	1,470'
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Yates	2,690'
Queen	3,620'
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