

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
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
JAN 16 2013

WELL API NO. 30-025-0152 01525
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name CAPROCK MALJAMAR UNIT
8. Well Number: 098
9. OGRID Number 269324
10. Pool name or Wildcat MALJAMAR; GRAYBURG-SAN ANDRES

SUNDRY NOT RECEIVED 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 Injection
2. Name of Operator LINN OPERATING, INC.
3. Address of Operator 600 TRAVIS, SUITE 5100, HOUSTON, TEXAS 77002
4. Well Location Unit Letter M; 660 feet from the S line and 660 feet from the W line Section 28 Township 17S Range 33E NMPM LEA County
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4,100' 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 ☐

Per Underground Injection Control Program Manual
11.6 C Packer shall be set within or less than 100 feet of the uppermost injection perfor or open hole

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.

POH w/ tbg & pkr, cleanout and acidize, RTI. Bury new injection line from battery to wellhead.

Condition of Approval: notify

OCD Hobbs office 24 hours

prior of running MIT Test & Chart

The Oil Conservation Division

Spud Date: **MUST BE NOTIFIED 24 Hours**
Prior to the beginning of operations

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 January 16, 2013

Type or print name TERRY B. CALLAHAN
For State Use Only

E-mail address: tcallahan@linnenergy.com

PHONE: 281-840-4272

APPROVED BY [Signature] TITLE Dist. Mgr. DATE 2-5-2013
Conditions of Approval (if any):

FEB 05 2013

CMU #98

LEA COUNTY, NM

30-025-01525

01/08/2013

Project Scope: Bury and run 2.5" 2500# Fiberspar line from CMU South Water Injection Station to CMU 98. Approximate distance of 2500'.

Project Scope: POH w/ Tbg and Pkr at CMU 98, clean out fill, acidize and RTI.

Well Procedure:

1. Test anchors prior to rigging up.
2. MIRU WO Rig and record casing and tubing pressure.
3. Bleed pressure off of well.
4. NU BOP.
5. Unseat packer and TOOH with tubing and packer. Inspect tubing ID around 4190'. Previous tag @ 4190'.
6. RIH with workstring and bit and tag. PBTD (4,448')
7. If tag fill, rig up reverse unit and cleanout.
8. POOH LD bit.
9. RIH with workstring and packer.
10. Perform acid job. Pump 4,250 gals of 15% NEFe HCl.
11. POOH and LD workstring and packer.
12. PU 1 jts of 2-3/8" IPC tail pipe, 2-3/8" IPC injection tubing, and TIH with packer landed at 4,215' (unset).
13. ND BOP.
14. Circulate packer fluid.
15. Set packer at 4,215'.
16. NU WH.
17. Conduct mock MIT to 500 PSI.
18. Notify foreman that the well is ready for a witnessed MIT.
19. RDMO.

Contact Information:

Matt Lake – Asset Engineer
Cell – 713-263-4933
Office – 281-840-4088

Jess Hayes - Foreman
Cell – 575-602-3283

	Location:
Location:	660 FSL & 660 FWL
Section:	M-28-175-33E
Block:	
Survey:	
County:	Lea, NM
Lat/Long:	32.8001187226342 -103.674578157504
Field:	Wajlamar Grayburg San Andres
	Elevations:
GL:	4100'
KB:	4411'
KB-GL Calc:	
ck w/log?	

[illegible]

Date	History
10/25/1957	Spudded @6:00pm. Drilled to 368'. Ran 11 1/2 8-5/8", 2-44, 1-55 ST&C csg. Shoe set @367'. KDB = 354' GL. Cmt'd w/250 ss reg. and 2% Catcl. Cmt circ.
11/10/1957	TD to 4440'. 7-3/4" hole. Completed @4:55pm. Ran 127 1/2 5-1/2, 15.58', 1-55 Csg set @4439'. Cmt'd w/200 ssx incor & HQ Gal Dowell Cement. TOC = 3510' (Worth well)
5/1/1976	Squeeze Grayburg-San Andres zone. w/150 ss to 3,000lb.
5/4/1976	Drilled cmt to 4352'. Test squeeze w/pkr to 1750 psi for 30 min ok. Test casing. Found hole in 5-1/2" csg at approx 1830'. Squeeze hole at 1830' w/300 ss Class "H" WOC.
5/6/1976	Drilled cmt retainer & cmt from 1696-1700'. Developed hole in csg @600'. Attempted to circ fluid behind 5-1/2" csg.
5/10/1976	Ran tbg to 500'. Pumped In 166 ssx cmt. pressured to 800 psi. Pumped In 24 ssx cmt @470'. Pumped In 55 ssx cmt @190'. Set 10 ssx. Cmt plug in top of 5-1/2" csg.
11/8/1977	Re-entry. Drilled cmt from surface to 1841' and circ'd hole to 4352'.
11/17/1977	Perf'd 4299-4337', total 378 lbs. Ran 2-7/8 tbg and pkr to 4265'.
11/18/1977	Treated perfs w/500 gals of 15% acid. Swabbed 49 blw.
11/22/1977	Frac w/20,000 lbs gelled brine & 22,000# sand.
9/28/1985	Added new perfs: 4128-40' (1 JSFP - 13 holes), 4168-86' (1 JSFP - 19 holes, 4234-38' (1 JSFP - 5 holes), 4266-70' (1 JSFP - 5 holes)
10/1/1985	Treated perfs w/6000 gals. 15% NEfe acid, 750 SCF n2/bbl, 400R rock salt, and 400R benzoic flakes in stages
10/3/1985	Treated perfs w/110 gals. Scale preventative mixed in 150 BTW.
7/29/1996	Acidized Grayburg-San Andres 4128-4337' w/6400 gals 15% NE-Fe acid w/900# rock salt, 600# benz acid flakes w/110 gals
7/31/1996	Test csg to locate bottom & top of csg leak. Bottom leak 1848' & top of leak 373'
8/2/1996	Test top of squeeze to 500R. Lost 60R in 10 min. RIH w/4-3/4" bit & DC's. Tag cement @420'. LOD 2-7/8" tbg. Drill rubber cmt wiper plug /420-421'. Drill green cement /426-460'. Circ hole clean. POH w/2-7/8" tbg
8/5/1996	RIH w/bit, DC's & 2-7/8" tbg. Tag cement @460'. Drill 1/460'-826'. Circ hole clean. LD swivel & POH LD 22 1/2 2-7/8" tbg
8/6/1996	RIH w/12 stands & broke circulation. Drill cement /826-1375'. Circ hole clean
8/8/1996	RIH w/retrieving head & 2-7/8" tbg. Tag sand @3983'. Wash sand to 4023'. LD RPB. RIH w/2-7/8" tbg. MA @4342'. SN @4342'. TAC @4049
8/13/1998	RU Reef Chemical & acidized w/4000 gals. 15% anti-slugdud acid w/2500# rock salt. Tbg @4342'/4310'. SN @4327' /4075'. TAC @4049' /No TAC.
11/10/1998	RIH w/5-1/2" AD-1 pkr & 2-7/8" tbg. Set pkr @4105'. Could not catch pressure. POH w/2-7/8" tbg. Set pkr @3110'. Pressure to 5000R. POH w/remaining 2-7/8" tbg. LD pkr. RIH w/2-7/8" tbg. Tbg. @4359.17' SN @4324.34.
5/22/1999	RIH /top of perf. interval to 4617'. Drill under rim to TD 4665'. POH w/2-7/9" tbg. DC's. LD under rimmer. RIH w/4-3/4" bit, sub. DC's & tbg to 4560'. Circ hole clean. RIH w/rods and POH w/rods. POH w/2-7/8" tbg. & CD's LD sub & bit. Off load 4-1/2" flush it. Liner
5/24/1999	Run liner /surface to 4635'. Halliburton pumped 750bbls fresh water 50# @2 bpm w/no returns. Pump 150 ssx Premium "C" neat cmt w/35 bbls fresh water 60# @1.8 bpm w/no returns. Displace w/72 bbls fresh water 75# @3 bpm. 450R no returns. Land plug @900' w/no returns. Circ 0 ssx
5/25/1999	RU Pro-Wireline & ran temp. survey. Found TOP@ 2450'. Plug back @4157'.
6/2/1999	RU Computlog WL & perf San Andres Upper Jackson /4541-50', 53', 55', 60', 62-65', 69-74', 77-81', 90-95', 4600-05', w/25PF [84 holes)
6/3/1999	RIH w/AD-1 Pkr on 2-3/8" tbg to 4600'. RU American Frac Master & acidized San Andres Upper Jackson 4541-4605'. Spot 1 bbl 15% HCl @4600'. Set pkr @4415'
6/4/1999	Acidized San Andres Upper Jackson /4541-4605' w/4500 gals. 15% NE-Fe acid w/126 balls sealers.
5/10/2001	RU Computalog WL & Perf Grayburg 4302-15', 19', 22', 25'-44', & 48-60' w/4 SPF.
5/11/2001	Spot 100 gals 15% NE-Fe acid w/90 ball sealers. Circ AD 70 bbls pkr fluid. Set pkr @4260'
8/30/2001	POH w/4-1/2" AD-1 Pkr. & 2-3/8" IPC tbg. TH @ 4071-Pkr set @4200.900
2012	Tag HRI @ 4190'

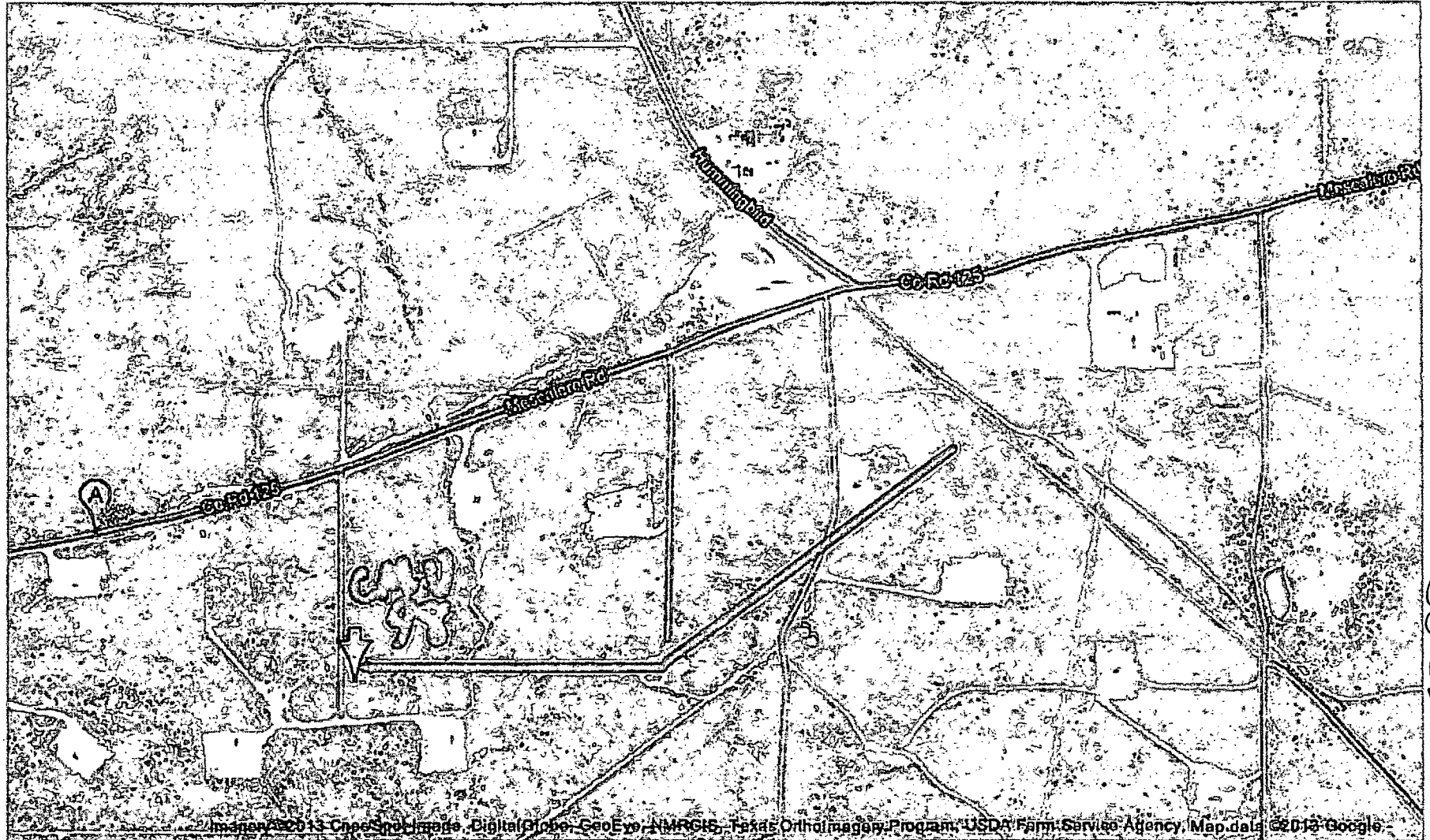
PBTD: 4648'
TD: 4665'

4 1/2" liner @ 4635'

Hole Size:	7-3/4"
Prod Csg:	(Ran 137 Jts) 5-1/2", 15.5#, J-55
Capacity (bbl/Rt):	
Cement Blend:	200 sxs Incor + 300 gal cealment
Returns:	
Displacement:	
Preflush:	
Depth	
TOC	
Lead Cement Blend:	
Tail Cement Blend:	

Google

To see all the details that are visible on the screen, use the "Print" link next to the map.



30-025-01625