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

RECEIVED
SEP 19 2013
HOBBSOCD

Form C-103
October 13, 2009

WELL API NO. 30-025-01478	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
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.)	7. Lease Name or Unit Agreement Name: CAPROCK MALJAMAR UNIT
1. Type of Well: Oil Well ☐ Gas Well ☒ Other INJECTION	8. Well Number: 040
2. Name of Operator: LINN OPERATING, INC.	9. OGRID Number 269324
3. Address of Operator: 600 TRAVIS, SUITE 5100, HOUSTON, TEXAS 77002	10. Pool name or Wildcat: MALJAMAR;GRAYBURG-SAN ANDRES
4. Well Location: Unit Letter A; 660 feet from the N line and 660 feet from the E line; Section 19 Township 17S Range 33E NMPM LEA County	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☒	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: RETURN TO INJECTION ☒		OTHER: ☐	

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

DESCRIPTION OF WORK: PULL TUBING AND PACKER. CLEANOUT AND ACIDIZE. RUN TUBING AND PACKER BACK IN THE HOLE AND RETURN TO INJECTION.

PLEASE SEE ATTACHED PROPOSED OPERATIONS PROCEDURES

The Oil Conservation Division MUST ~~BE NOTIFIED 24 Hours~~ Prior to the beginning of operations

Spud Date:

Rig Release Date:

Condition of Approval: notify OCD Hobbs office 24 hours prior of running MIT Test & Chart

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

SIGNATURE Callahan TITLE: REGULATORY COMPL SPECIALIST III DATE SEPTEMBER 18, 2013

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

For State Use Only

APPROVED BY: TITLE Dist. Mgr DATE 9-19-2013

Conditions of Approval (if any):

SEP 19 2013

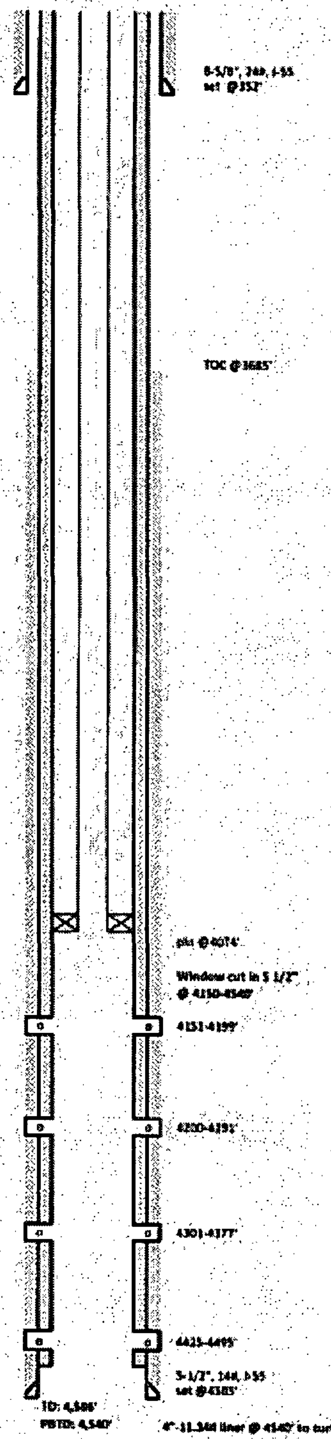
Well Name: CMU #40

	Location:
Location	660 FNL & 660 FEL
Section:	A-19-17S-33E
Block:	
Survey:	
County:	Lea
Lat/Long:	32.825483698422 -103.696136233757
Field:	Maljamar Grayburg San Andres
	Elevations:
GL:	4215'
DF:	
KB-GL Calc:	
ck w/log?	

Logging Requirements:

Date	
4/15/1958	Spud well. Set surf csg @352'
5/3/1958	TD @4586'. Set prod csg @ 4585'
5/3/1958	Perf'd 4166-4503'
3/2/1979	Bradenhead pressure survey
?/?	Perf'd 4336-42', 4366-70', 4378-86', 4390-96'
7/7/1983	Drilled outside of casing from 4229-4404' during fishing job in 1983. Acidized w/2500 gals 15% NEFE acid
7/7/1985	Cleaned out 5-1/2" csg to 4248'. Could not get tbg into OH 4229-4404'. Acidized w/5000 gal 15% NEFE acid
3/15/1986	Drilled scale (f/4207-4229') in 5-1/2" csg down to window in casing for side-tracked hole. Top of window @
3/25/1986	Washed & reamed side-tracked hole from 4236' to 4346'. Circ hole clean. Ran 196' of 4-1/2" csg (liner) in
3/27/1986	Treated liner slots 4166-4343' w/6000 gal NEFE acid, 200# rock salts, and 200# benzoic acid flakes in 2
2/1/1994	4" 11.34# liner cmt'd inside of 5-1/2", 14# csg. Window was cut in 5-1/4", 14#@4150' & new hole cut 4150-4440'. Liner was run from TD/4440' to surface
2/4/1994	Pulled tbg, rods & pump. Installed BOP. Cleaned well out to 4572'. Ran CBL & CNL
2/7/1994	Perf'd 4151-4495 (33 holes)
2/8/1994	Acidized perfs 4151-4495' w/2500 gal acid
2/11/1994	Ran tbg, rods, and pump. Put well back on production. Will convert to WIW when CMU is approved and
6/14/1994	Elder 4" AD-1 11.34# plastic coated tension pkr set
6/16/1994	CIT, tested csg to 350 psi for 15 minutes. No Pressure loss
1/5/1999	Shut well in
5/26/2000	Return well to injection
11/23/2001	Test casing to 400 psi
10/1/2012	Tag fill @ 4259'

Original Current Wellbore Diagram



Well Name:	CMU #40
API No:	30-025-01478
Spud Date:	4/15/1958
WBD Update:	9/18/2013 M. Lake

Hole Size:	12-1/4"
Surf Csg:	8-5/8", 24#, J-55
Cement Blend:	175 sxs
Depth:	set @352'
TOC:	Circ to surf

Hole Size:	
Liner:	
Cement Blend:	
Returns:	
Depth	

Details of Perforations
(5/3/1958)
Perf'd 4166-4178'; 4203-4209'; 4294-4316'; 4487-4503' (4 spf)

1982 - 4336-42', 4366-70', 4378-86', 4390-96' (1 spf)

03/27/1986 Pre-cut slots in liner - 4166-73', 4203-09', 4261-69', 4294-4316', 4336-42'

2/7/1994 Perf'd 4151, 57 ,6 2,66 ,99,4200 ,01 ,02 ,59, 60, 81, 90, 91, 4301, 02, 03, 05, 34, 35, 36, 41, 49, 54, 60, 61, 75, 77, 4425, 26, 92, 93, 94, 95 (33 holes)

Acid or Fracture Treatment Details
(5/3/1958)
4166-4503' Frac'd w/15,000 gal acid, 75,000 sand

(3/27/1986)

Treated liner slots 4166-4343' w/6000 gal NEFE acid, 200# rock salts, and 200# benzoic acid flakes in 2 stages
(2/8/1994)
4151-4495' Acidized perfs w/2500 gal NEFE acid

Tubing Detail	
Joints	Description
	2-3/8", 4.7#, J-55
Tbg Depth	4115'
Pkr Depth	

Rod Detail (top to bottom)	
Rods	Description

Pumping Unit:

Hole Size:	7-3/4"
Prod Csg:	5-1/2", 14#, J-55 ST&C
Capacity (bbl/ft):	Ran 142 jts
Cement Blend:	100 sxs plus 450 gals cealment
Returns:	
TOC:	3685'
Depth	set @4585'

Hole Size:	
Liner:	4" 11.34# , window cut in 5 1/2", new hole drilled 4150-4540'
Cement:	350 sx circ to surface
Returns:	64 sxs circ to surface
Depth	4540'

CMU #40

LEA COUNTY, NM

30-025-01478

09/18/2013

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

Well Procedure:

1. Test anchors to at least 2200# prior to rigging up
2. MIRU WO Rig and record casing and tubing pressure.
3. Bleed pressure off of well. If well is flowing, flow back to frac tank or vac truck. Contact engineer if pressure does not die and well needs to be killed.
4. ND WH, screw on flange w/ O-ring seal or long thread connection w/ no seal. Tubing hanger either bowl w/ slips or flange. Make note in daily report.
5. NU 5000# BOP.
6. Unset 2 3/8" x 4" AD-1 tension packer, slack off, move downhole and right hand turn and pull up to unset.
7. TOOH with 2 3/8" tubing and AD-1 packer.
8. RU Reverse Unit package with pump, pit, power swivel and handling tools.
9. RIH with 3 1/4" bit, bit sub, and 2 3/8" workstring and tag. Previous tag @ 4259'
10. Clean out wellbore to PBTD @ 4540'. Perf interval is 4151' – 4495'. Circulate clean.
11. RD swivel and Reverse Unit. POOH w/ tubing, DCs and bit. LD DCs and bit.
12. RIH with 2 7/8" workstring and 4" treating packer to 4500'.
13. Spot 200 gals of 15% NEFe HCl acid. Let spend for at least 30 minutes. If well is flowing back, skip this step and step 14.
14. PU to 4100'. Reverse out 10 bbls water.
15. Set packer @ 4100', pull up, turn ¼ turn to the right and slack off to set packer.
16. Pump 2,500 gals of 15% NEFe HCl and ~3000# rock salt for diversion, over at least 3 stages. Let spend overnight.
17. Flow back load until water cleans up.
18. Unset treating packer by set down on it, turn to the right and pick up to unset packer.
19. POOH and LD 2 3/8" workstring and 4" packer.
20. PU 2-3/8" IPC injection tubing, and TIH with new 2 3/8" x 4" Arrow-set type packer with on/off tool landed at 4,085'.
21. Set packer @ 4085' – pull up, ¼ turn to the right and slack off to set packer.
22. Pressure up on backside to 500# and hold for 30 minutes to test casing.

Contact Information:

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

Jess Hayes - Foreman
Cell – 575-602-3283

23. If tests okay, release on/off tool – set down and hold left hand torque and pick up to release.
24. Circulate packer fluid to surface.
25. Latch on to on/off tool – set down on it to latch.
26. ND BOP.
27. NU WH.
28. Conduct mock MIT to 500 PSI.
29. Notify foreman that the well is ready for a witnessed MIT.
30. RDMO.
31. RTI.

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