

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

HOBBES OCD

DEC 02 2013

WELL API NO.

30-025-01477

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: 053

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 Injection

2. Name of Operator

LINN OPERATING, INC.

3. Address of Operator

600 TRAVIS, SUITE 5100, HOUSTON, TEXAS 77002

4. Well Location

Unit Letter H; 1980 feet from the N line and 660 feet from the E lineSection 19 Township 17S Range 33E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

4,156' 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: RTI ☐

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.

Please see attached remedial work 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

TITLE: REG COMPLIANCE SPECIALIST III DATE NOVEMBER 27, 2013

Type or print name TERRY B. CALLAHAN

E-mail address: tcallahan@linenergy.com

PHONE: 281-840-4272

For State Use Only

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

DEC 03 2013

CAPROCK MALJAMAR UNIT #53
API #30-025-01477
ATTACHMENT TO C-103

10/31/2013 – MIRUPU FLOW DOWN WELL

11/1/2013 – FLOW WELL 9.5 HRS 623 BBLS

11/4/2013 - FLOW WELL 8 HRS 467 BBLS HUCK UP TO FLOW LINE FLOW WELL ALL NIGHT

11/5/2013 - ND WELL HEAD NU BOP & CATCH PAN UNSET PKR POH W/ 127 JTS 2 3/8" IPC TUBING & PKR RIHW/ 4 3/4" BIT 6 - 3 1/2" DRILL COLLARS PICKING UP 2 3/8" TUBING TAG UP @ 3970' NU STRIPPER SD

11/6/2013 - CLEAN OUT 3940' TO 4431'HAD BAD CASING 4150'. POH W/ 36 JTS 2-3/8 TBG

11/7/2013 - POH W/ NTUBING LAY DOWN DRILL COLLARS RIH W/ ARROW SET PKR TESTING TUBING IN SET PKR @ 3943ACIDIZE PERF 4080 -4346 W/ 5320 GALS ACID

11/8/2013 - FLOWED WELL DWN 9 1/2 HRS, RECOVERED 531 BBLS, RU FLOW LINE TO PRODUCING WELL FOR WEEKEND

11/11/2013 - FLOW DOWN WELL UNSET PKR POH LAY DOWN 2 3/8" WORK STRING & PKR RIH W/ 5 1/2" ARROW SET PKR 128 JTS 2 3/8" IPC TUBING SET PKR @ 3976' FLOWING UP CASING 7 TUBING UNSET PKR LAY DOWN 1 JT SET PKR @ 3945' TESTED CASING & PKR 540 PSI F/ 30 MINS OK

11/12/2013 - RELEASE IN - OFF TOOL CIR 90 BBLS PKR FLUID LATCH ON TO PKR ND BOP NU WELL HEAD TESTED PKR 540 PSI F/ 30 MINS OK RDPUMO

11/18/2013 – PERFORMED MIT FOR 30 MINS, START 500#, END 500#. PASSED, NOT WITNESSED BY OCD, MAXEY BROWN OKAYED. ORIGINAL ATTACHED.

11/25/2013 – PHILLIP GOETZ W/ ENMRD SANTA FE MADE AN EXCEPTION AND APPROVED SETTING OF THE INJECTION PACKER AT 3,945' AND COMMENCE OPERATIONS TO RETURN TO INJECTION.

11/27/2013 – RETURN TO INJECTION

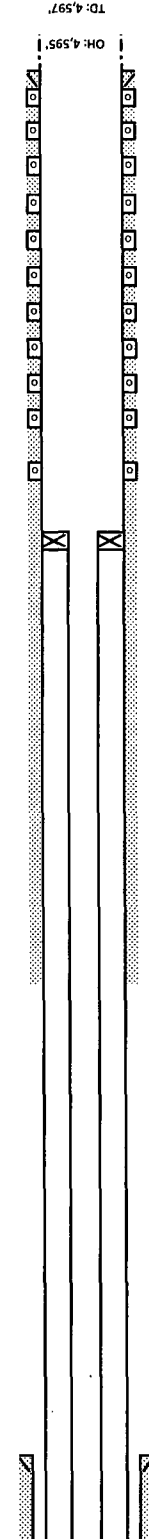
Well Name: CMU #53

Location:	1980 FNL & 660 FFL
Section:	H-19-175-33E
Block:	
Survey:	lea
County:	
Lat/Long:	
Field:	Maljamar Grayburg San Andres
GL:	4159'
DF:	4166'
K8-GL Calc:	
ck w/log?	

Logging Requirements:

Date	12/21/1957
	Spud well. Drilled to 345' Set 8-5/8" 24# 1-55 surf csg @ 338' Circ'd 175sx to surf
1/13/1958	TD @ 4421' 7-3/4" hole. LDOP, ran 137 lbs of 5-1/2", 15.5#, 1-55 STBC prod csg set @ 4420' Cmt'd w/550
2/11/1958	Gas cmt. Ran temp survey, TOC @ 3625'
2/19/1979	Bradenhead pressure survey
3/15/1995	Cleaned & deepened to 4597'. Acidized perfs 4080-4346' and OH 4420-4595 w/2500 gal 15% NEFE acid. Set
6/16/1999	Well shut in
8/27/2001	NU BOP, POH w/AD-1 pkr, 2-3/8" TBG. Found hole in 23rd JL TH w/4-3/4" bit on 2-3/8" work string. Tag fill
8/28/2001	TH w/pkr & 2-3/8" IPC tbg. Replaced 5 jts. Set pkr @ 3987'.
8/21/2002	Hole in tbg. POH w/2-3/8" tby & RH w/redressed AD-1 pkr @ 3965' & 2-3/8" IPC tbg
8/22/2002	Mit
7/22/2003	MIRU ND WH. RU BOP. POH w/2-3/8" tbg. Repair leak at pkr. Tested in hole w/redressed 2-3/8" x 5-1/2"
3/12/2013	Mit performed
11/5/2013	Tag fill @ 3970'. CO to 4431'. Worked through tight spot in casing @ 4150'
11/7/2013	Perform 3-stage block acid job, 5320 gal NEFE (details to the right).
11/8/2013	Recovered 531 bbl. Set pkr @ 3976, would not hold pressure. Set pkr @ 3945', held pressure.

Wellbore Diagram



set @ 338' 8-5/8", 24#, J-55

Old Pkr Setting @ 3939'
New Pkr Setting @ 3945'

4150'--Tight Spot in Casing

Well Name:	CMU #53
API No:	30-025-01477
Spud Date:	12/21/1957
WBO Update:	11/12/13 K. Pena

Hole Size:	11"
Surf Csg:	8-5/8", 24#, J-55
Cement Blend:	175sx
Depth:	338'
TOC:	

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

Details of Perforations

(2/11/1958) Perfd 4080-4252' and fracd w/25K gal acid and 12.5# sand
5-22-62 - new perfs shot b/1 4214-4346, completed w/ 1000 gal acid, 14K gal
water, and 14K# sand
115' net perforated + 175' open hole

Acid or Fracture Treatment

(2/11/1958) Fracd (perfs 4080-4252') w/25K gal acid and 12.5# sand
(5/25/1962) Treated perfs with 10K gals wt, 500 gals acid, 10K# 20/40 sd
(3/17/95) Acidized perfs 4080-4346' and OH 4420-4595 w/2500 gal 15% NEFE acid
(11/7/2013) 3-stage acid job over perfs 4080-4346' w/ 5320 gal NEFE acid w/ 1750#
Stage #1 1774 gal @ 4 BPM @ 2900 psi w/ 750# rock salt, saw 200 psi increase.
Stage #2 1774 gal @ 4 BPM @ 3200 psi w/ 1000# rock salt, saw 200 psi increase.
Stage #3 1774 gal @ 4 BPM @ 3300 psi flush w/ 25 bbl.

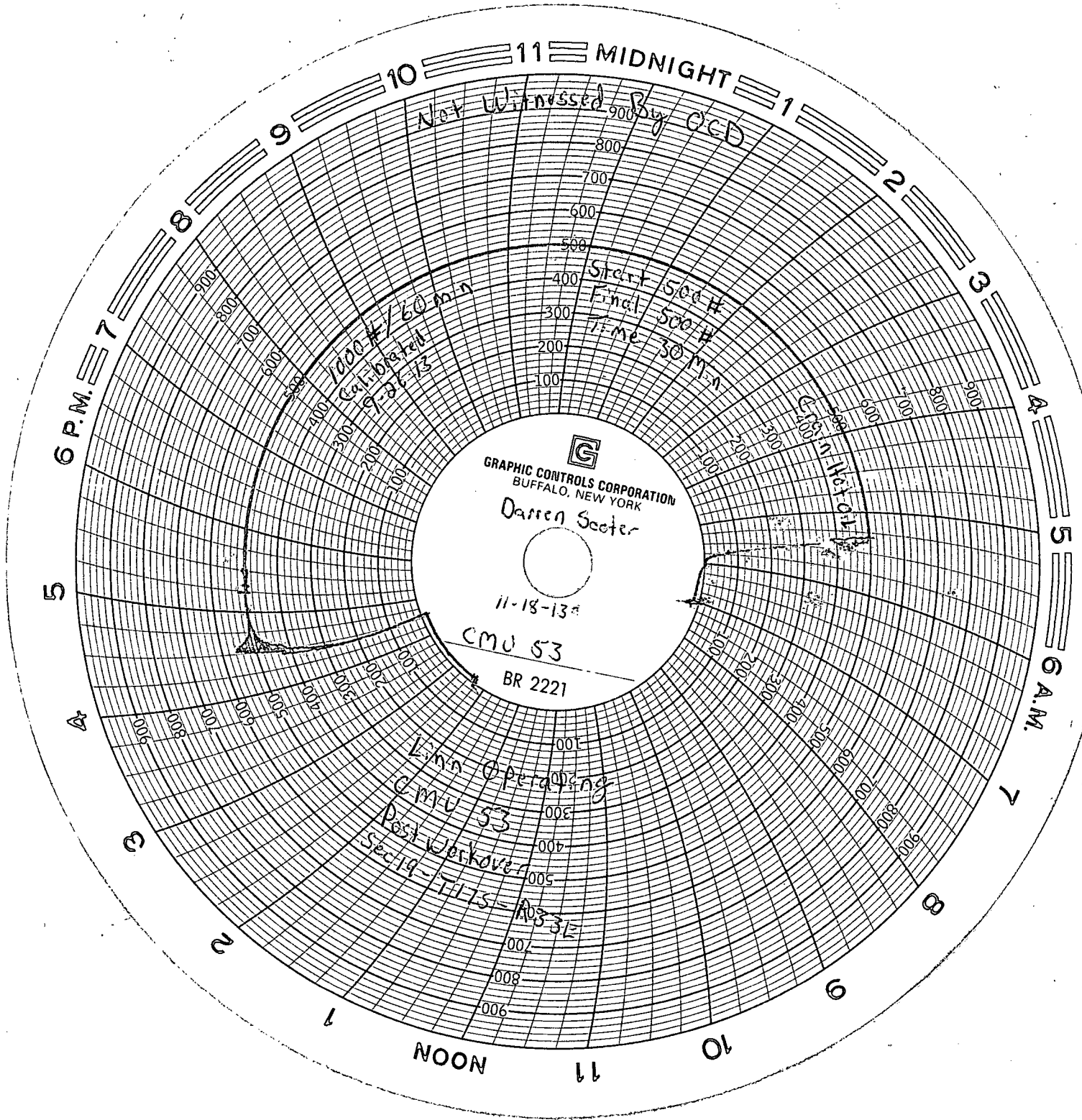
Joints	Description	Pkr Depth
	2-3/8" IPC	

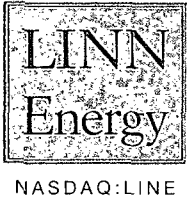
Rods	Description
	Rod Detail (top to bottom)

Pumping Unit:

Hole Size:	7 7/8"
Prod Csg:	5-1/2", 15.5#, J-55
Capacity (bbl/r):	100 sx + 450 gals cement
Returns:	
TOC:	4420'
Temp Survey @ 3,625'	

Hole Size:	
Liner	
Cement Blend:	





600 Travis Street, Suite 5100
Houston, Texas 77002
Phone: (281) 840-4000
Fax: (281) 840-4001

November 25, 2013

HOBBS OCD

DEC 02 2013

RECEIVED

EMNRD
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attn: Mr. Phillip Goetze

Re: Caprock Maljamar Unit #53
API # 30-025-01477
Lea County, New Mexico

Dear Mr. Goetze,

Per our conversation earlier today, below is a recap of the setting of the injection packer after completing the workover on the Caprock Maljamar Unit #53.

As per the regulations, the injection packer must be set no more than 100' from the top perforation. The packer that LINN pulled out of the hole was set at 3,939' and the top is at 4,080' (which was set by the previous operator and not in compliance). LINN attempted to set the packer at 3,976' but it did not hold. We came up hole one joint and set the packer at 3,945' and it held. LINN (Jess Hayes) called Maxey Brown at the Hobbs OCD District office and he recommended that we circulate packer fluid and prepare it for injection. On 11/18/2013, we notified the Hobbs OCD and was given approval to test the well and run an MIT chart that passed; Start 500#, Final 500#.

On 11/25/2013, I spoke to Phillip Goetze, EMNRD Santa Fe and received verbal approval to make an exception to set the packer at 3,945' and commence operations and return the well to injection.

Thank you for your help in this matter and please feel free to contact me at 281-840-4272.

Sincerely,

Terry B. Callahan
Regulatory Compliance Specialist, III

Cc: Debra Gordon
Wellfile