

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

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

WELL API NO.  
30-015-41656

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

STATE AZ

8. Well Number: 606

9. OGRID Number 269324

10. Pool name or Wildcat  
GRAYBURG JACKSON;SR-Q-G-SA

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; 330 feet from the \_\_\_\_\_ S line and \_\_\_\_\_ 729 feet from the \_\_\_\_\_ W line  
Section 16 Township 17S Range 31E NMPM EDDY County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3816'

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 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: NEW WELL ☒

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 ATTACHMENT FOR NEW WELL COMPLETION OPERATIONS

Spud Date:

Rig Release Date:

RECEIVED

FEB 06 2014

NMOCD ARTESIA

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

SIGNATURE

*Laura A. Moreno*

TITLE: Regulatory Compliance Advisor

DATE February 5, 2014

Type or print name Laura A. Moreno

E-mail address: lmoreno@linenergy.com

PHONE: 281-904-6657

For State Use Only

APPROVED BY:

*Dr. J. Dade*

TITLE

*Dr. J. Dade*

DATE

*2/12/2014*

Conditions of Approval (if any):

12/12/2013 - Kenemore welder and Diversified back-hoe on loc. back fill wellhead cellar, cut and weld on 5 1/2"x2 7/8" well head.

12/13/2013 - MIRU Crain pump truck load and pressure test cag. MIRU GE Oil & Gas run Cement Bond Log.

12/18/2013 - MIRU Gray-Wire Line Perforate First Stage From 3710' to 3786', Second Stage From 3620' to 3620', Third Stage From 3478' to 3584', RD Wire-line MIRU Aztec P/U. Well left open to flow tank.

12/19/2013 - NU catch pan, spot in frac tank, hook up flow line to tank. Blow down well ( spot in 132-jts 2 7/8" L-80 work string, from Keel A #24 on racks ) tally tbgs Pick up D&L 5 1/2" 15.5-20# AS1X treating Packer. TIH w/ Pkr. on work string swinging @3792' Circulate 95bbls 2% KCL spot 2-bbls acid @3792' Pull up set Packer @3702', ( acidized bottom Perfs 3710'-3786', ) Start acid Job, pumped 46-bbls acid, 40-bbls flush dropped 10 balls every 2 minutes in acid and flush. LTR+96-bbls. Shut in well 30 minutes , Open well to flow tank tbgs 400# well flowed 45 bbls, Well left open to tank.

12/20/2013 - RD swab lubricator. Release packer tbgs and csg equalized TOH w/ work string and Packer. Pick up D&L 5 1/2" 14-20# RBP and Pkr. TIH set RBP @3705' Pull up w/ pkr to 3700' left swinging. Acid job this morning.

12/22/2013 - MIRU Crain Acid trk. RBP @ 3705' set pkr. @ 3600' start acid job ( Perf acidized =3620' to 3695' ) Light plants on loc. open up well flowed little swab on well, RU swab lubricator, lower tbgs to Release RBP unable to get on RBP do to fill/ salt block. This a.m. wash out salt and release RBP.

12/23/2013 - MIRU Crain washed salt off RBP. Latch on RBP release ok PUH to/ RBP @ 3601' pkr swinging spot 2-bbls acid PUH w/ PKR set PKR @3424' ( Start acid job @ 1500# of injection PKR. came loose unable to lower PKR. ) POOH w/ PKR. Hung PKR @ 2855' w/ 88-jts (Call Engineer Briklynd & Supervisor EL, said will cut tbgs. ) SWH SDFN. Set Rotary to cut tbgs 12-30-13 and Knight to fish.

12/30/2013 - MIRU Rotary wireline. 350# on tbgs. 275# on Csg. Bleed well down. RIH w/ free pt. 100% stuck @ bottom of Pkr. POOH RIH w/ chemical cutter. made cut @ 2804' RD Rotary POOH w/ tbgs. ok. RIH w/ 4 11/16" overshot w/ 2 7/8" grapple and 3 3/4" bumper sub & 3 3/4" Excelsator & 6- 3 1/2" drill collars & 3 3/4" jars & tbgs. Latch onto fish & start jarring. Fish come loose can come up- but can't go down (hung up several times) out w/ pkr. close well in and shut down.

12/31/2013 - MIRU Rotary wireline. 350# on tbgs. 275# on Csg. Bleed well down. RIH w/ free pt. 100% stuck @ bottom of pkr. POOH RIH w/ chemical cutter. made cut @ 2804' RD Rotary POOH w/ tbgs. ok. RIH w/ 4 11/16" overshot w/ 2 7/8" grapple and 3 3/4" bumper sub & 3 3/4" Excelsator & 6- 3 1/2" drill collars & 3 3/4" jars & tbgs. Latch onto fish & start jarring. Fish come loose can come up- but couldn't go down (hung up several times) out w/ pkr. close well in and shut down. TIH w/ drill collars from derrick, TOH laying down collars, RU D&L 5 1/2"x2 7/8" 15.5-20# AS1X treating PKR. TIH to 3424' and set. RU Crain RU swab, swab lubricator well.

1/2/2014 - Start equipment RU swab lubricator bleed down well swab all day total bbl recovered 96-bbls, I.F.L.=200' E.F.L. =3100', w/ 10% oil cut

1/3/2014 - Start equipment blow down well. Swab well E.F.L. = 300' E.F.L. = 3100', 2/ 5% oil cut. RD swab lubricator. (tried to release packer would not come lose pkr stuck) (call Engineer set up rotary and Knight for Monday cut and fish pkr).

1/6/2014 - MIRU rotary, bleed well down. RIH w/ free point tool. Tool did not work. Check tools, run back in, stuck at top of pkr. Mandrel is free, cut tbgs @ 3356', POOH & RD rotary. POH w/ tbgs, out w/ fish. RIH w/ 4-11/16" overshot 2/ 2-7/8" grapple 3-2/4" bumper sub 3-3/4" jars. 6 - 3-1/2" drill collars, 3-3/4" excelsator & 97 jts tbgs. Latch onto fish. Set jars off 1 time & come lose, went down 6' (ok). POH to collars, out w/ pkr. No damages, pkr looks good, close well. SD

1/7/2014 - 110# on csg. TIH w/ Ret. head and tbgs, unable to latch on to RBP stacked out 12'-14' high. Called for pump truck, Lobo hooked on to tbgs circulated clean down to RBP, Latch on to RBP TOH w/ RBP dragging. ( elevators broke down wait on new ) TOH all work laying down string tbgs, lay down drill collars.

1/10/2014 - MIRU frac tanks and load with fresh water, MIRU frac specialist LLC. Start up Frac Specialists, open csg Fraced San Andres formation top 3478' to 3786' 84 holes .42"-size, RU Motley set composite BP @ 3300'. RU Casedhole Sol. Pref Grayburg, RD. RU fraced Grayburg perfs. 2961' to 3109' 48-holes .42" size.

1/13/2014 - MIRU 800# on Csg. Open flow back tank flowing back 200 bbls in 30 min. Leave open to flow back tank.

1/14/2014 - Flow down well, standby for vac truck. ND frac valve. NU BOP, catch pan, and stripper head. Pick up bit, bit sub 4 - 3 1/2 drill collars and x-over. tried to pickup tbg, well flowing too hard. TIH w/ tbg when flowing hard, let well flow down. RU swivel, drill out sand to composite plug, circulate well down. RD swivel. TOH w/ tbg dump perfs.

1/15/2014 - RU power swivel clean out to composite BP drill on composite 2 hr drill through clean out and circulate down to 3938'. TOH lay dwn work string lay down collars and bit. RD swivel and Rev Unit. Run production.

1/16/2014 - Bled well down to pit. Prod. sting arrived on loc., waiting on forklift. Forklift here, unload tbg and tally. RIH W/ prod. string as follows : Mud jnt. and BP, PS and s/n. @ 2959.92, 2 jnts. TK-99, @ 7/8 x 5 1/2 TAC @ 2893.99, 89 jnts of 2 7/8 to surface. Set TAC W/ 10 points on it. ND BOP and catch pan. NU WH. Had gang on loc. to build WH. Rods arrived on location late.

1/17/2014 - Start rig and bled well down. RIH W/ pump and rods as follows : 1 1/4" x 16' GA, 2 1/2 x 2" x 20' RXBC - HVR insert pump, 10 - 1 1/2" sinker bars, 107 - 3/4" KD rods 1 1/4" PR. Set pump, checked pump action, was good. spaced well out and stacked rods out. Hook up WH to FL and shut in. RDMO location.( Patron Services MI set Lufkin C-320D-256-120, stroke 120", 8 spm. D & C electric set control panel LTR set generator. start PU @ 4:15 pm.)

1/23/2014 - Day 24-29, Well test. Lufkin C-320D-256-120, stroke 120", 8 spm. ) ( 1-18-2014 = 10- oil, 0- mcf, 200- water ) ( 1-19-2014 = 13- oil, 0- mcf, 306- water ) ( 1-20-2014 = 15- oil, 5- mcf, 397- water ) ( 1-21-2014 = 13- oil, 3- mcf, 320- water ) ( 1-22-2014 = 15- oil, 11-mcf, 323- water ) speed up to 11 spm 1-23-2014 = 13-oil, 3- mcf, 510 - water.

[illegible]

Footage:	330' FNL & 729' FEL M-16-17S-31E
Section:	16
Block:	
Survey:	
County:	Eddy
Lat/Long:	
Field:	Grayburg-Jackson
Elevations:	
GL:	3816
NB:	3834
KR-GL Calc:	18'
DF:	

Logging Requirements:

1/-1/8"	Moie size:	5-1/2" 15.5% 1.55 8R 1L8C
	Capacity (lb/ft³):	
	Cement Blend:	
	Returns:	Full returns
	TOC:	
	Moie size:	Circulated 1 lb/1.50 sks cement to surface
	Depth:	4013'
	Capacity (lb/ft³):	
	Pre-flush:	
	Lead Cement Blend:	Lead 500 sks/168 bbls. Class C 35/65 Poz. @ 12.9H w/ 1.89 yield Tail 200 sks/47 bbls Class C @ 14.8H w/ 1.32 yield.
	Tail Cement Blend:	1170 @ 3.5 bpm Tail 200 sks/47 bbls Class C @ 14.8H w/ 1.32 yield. Final psi=

Rods		Rod Detail (top to bottom)		Description		Footage		Depth at top	
1	x	1-1/4"	Spray Metal Polish Rod	16	26	13			
1	x		coupling and pony rods	16	26	13			
109		KD 3/4"	Space as needed	2650	29				
9		1-1/2"	K sinker bars	225	2679				
1		on/off tool -	right hand release coupling	1	2904				
1		1-1/2"	K sinker bars	25	2905				
1		2-1/2"	x 1-3/4" x 20 RHBC insert pump	20	2930				
1		1-1/4"	x 16" gas anchor	16	2950				
					2966				

Joints	Tubing Detail (top to bottom)	Description	Footage	Depth at top
XXXX	2-7/8" - J55 Tbg (approx 89+ fts, space as needed)	2-7/8" - Anchor/catcher	18	0
		2-7/8" - 2 JTs TK99	18	0
		2-7/8" - SN @ ~ 2950	64	18
		2-7/8" - Perforated Sub	1	82
		2-7/8" - TBG I N J55	32	114
		2-7/8" - Bull Plug	1	115
		EOT ~ 2988	2987	115
			2988	115

Well Name:	State AZ 606
API No:	30-015-41656
Spud Date:	12/3/2013
WBD Update:	1/9/2014 - B. Williams
Well Size:	12-1/4"
Surf Csg:	8-5/8" 24# J-55 ST&C
Cement Blend:	Lead 150 sks Mixed at 14.4 ppg, Tail 250 sks mixed at 14.8 ppg, 1.34 yield
Returns:	Displaced with 24 bbls FW, Plug down at 5:02 AM and held. Final pump pressure 280. Bumped plug with 1150.
TOC:	Circulated 56 bbls/204 sks cement to surface
Well Size:	
Surf Csg:	
Cement Blend:	
Returns:	
TOC:	

