

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
Revised July 18, 2013

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

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.)		WELL API NO. 30-025- 02157
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> HOBBSOCD		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator LINN OPERATING, INC.		6. State Oil & Gas Lease No.
3. Address of Operator 600 TRAVIS STREET, STE. 5100 HOUSTON, TX 77002		7. Lease Name or Unit Agreement Name PHILLIPS LEA
4. Well Location Unit Letter F : 1980 feet from the NORTH line and 1980 feet from the WEST line Section 31 Township 17S Range 34E NMPM LEA County		8. Well Number 001
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4097 GR'		9. OGRID Number 269324
		10. Pool name or Wildcat Vacuum; Grayburg-San Andres

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 ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER:
UPHOLE RECOMPLETION ☒

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 FIND ENCLOSED A RECOMPLETION WORK SUMMARY FOR THE ABOVE MENTIONED WELL ALONG WITH A CURRENT WELLBORE DIAGRAM.

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

Alex Bolanos

TITLE Regulatory Compliance Specialist II DATE 3/30/15

Type or print name Alex Bolanos E-mail address: abolanos@linenergy.com PHONE: 281-840-4352

For State Use Only

APPROVED BY:

Mary Brown

TITLE

Dist. Supervisor

DATE

4/6/2015

Conditions of Approval (if any):

APR 08 2015

Phillips Lea #001
API: 30-025-02157-LEA COUNTY, NM
RECOMPLETION SUMMARY
ATTACHMENT TO FORM C-103

10/16/14

MIRU unhang PR unseat BHP and lay down PR, TOH/ w 183-3/4" rods BHP (paraffin all over rods and pump. RU tubing tongs . TOH w/ derrick 148 Jts. 2-3/8" J-55 tubing. MIRU Rotary wireline, TIH w 5 1/2" gauge ring, tag up at 4609'. TOH w/ gauge ring RD Rotary. Shut well in and clean up.

10/17/14

RIH w/ 5 1/2 14-20# RBP. Set at 4578', set ok. Circulate 100 bbls of 15% of KCL and test to 500# (would not load and test). POOH w/ tubing and RBP. Slip missing and slip housing looks damaged, looks like bad casing. RIH w/ exchange RBP & PKR. RU testers. MIRU tubing tester. RIH w/ RBP and PKR. Hydro test 138-jts of tubing. Test good. Last 6 stands packed with paraffin and could not test. Pumped paraffin dissolvent chemical and let set over weekend, clean up location, and shut well in.


10/20/14

RU tubing tester, tested 1 bad jt-hole. Set RBP @ 4568' and PKR @ 4555'. RU Pump truck, pumped 16-bbls of load pressure to 600#, test good. RU pump down casing, pressure up 500#, test good. RU to circulate 120-bbl of 2% KCL. RU TOH laying down 146-jts of 2 7/8 tubing and PKR @ 4070', PKR hung w/ same damages as RBP. Pick up tools, change out pipe rams on BOP from 2 3/8 to 2 7/8, shut well in.

10/21/14

MIRU Schlumberger Logger, move in pump truck. Log well. Shut well in.

10/29/14

MIRU Schlumberger perf crew. The following intervals were shot with 2 SPF: 4,464' - 4,466', 4,455' - 4,457', 4,441' - 4,443', 4,435' - 4,437', 4,427' - 4,429', 4,408' - 4,410', 4,402' - 4,404', 4,394' - 4,396', 4,372' - 4,374', 4,365' - 4,367'.


10/30/14

Rig up pulling unit, RU spot catwalk, pipe racks and tally 31/2" work string. RU picked up 3 1/2 " work string. TIH / 4 1/2" and 2 7/8 15.5-20# 7K ASX1 133-3 1/2" tubing, set PKR @ 4342'. MIRU pump truck, pressure test casing to 500#, test good. Shut in well.

10/31/14 – 11/3/14

On stand-by waiting on Frac.

11/4/14

MIRU frac 1 stage w/ packer and 3 1/2 frac string: Frac perfs shot on 10/29/14, PKR set at 4342', 3 1/2" 9.2# frac string. Prime pumps and test lines to 5000 psi, set PRV to 3800 psi. Pump truck pressured to 435 psi on backside, holding good. SICP 193 psi, started down hole and could not get formation to break down. Unset packer and circulated 6bbls of 15% HCL acid down to EOT, set packer @4342', pressured up to 500#, holding good on backside. Started downhole again and still could not get formation to breakdown. Will re-perf well and attempt to frac on 11/5/14.

11/5/14

MIRU to attempt to re-frac, prime pump test lines to 5000 psi, set PRV to 4300 psi. Set packer @ 4,309' w/ 25 pts tension. Pump truck pressured up to 500 psi on backside, held good. SICP @87 psi, start downhole and after 6 attempts got formation to breakdown @ 4224 psi, formation got tight while performing acid job, had to pump acid slowly to get acid on formation. Pressures did not change once acid reached formation. Decision made to circulate acid out from tubulars. TOOH and abort frac, bled pressure off and released PKR. Circulate 100 bbls FW to clean out tubulars. Circulated back 18 bbls of 15% HCL acid. Shut well in, RDMO. Total of 18bbls of 15% HCL used and 28 bbls of FW.

11/6/15

RU TOH w/ workstring and PKR. RU TIH w/ retrieving head for RBP on 140-jts 3 ½" latch on to RBP and released.

11/7/14

RIH w/ 4 ¾" bit - drill collars and tubing. MIRU swivel. Tag up with bit @ 4666.69, break circulation. Ran out of water, got another load, pumped 240 bbls, did not get circulation. Ran out of water again. Shut well in, continue clean out on Monday.

11/10/14

Start pump – took 240 bbls to break circulation. Start drilling @ 4741' and fell through @ 4765'. Pick up off of bottom and circulate well. RD Swivel and RU tubing equipment. Circulate hole clean, lay down swivel, and POOH. Chemical pump truck arrived and pumped 84 gals chemical and flush 3 bbls of FW. Shut well in for night.

11/11/14

Tubing on vacuum, POOH w/ tubing and collars, out w/ tubing and bit, RU TIH w/ production tubing. NP BOP and set TAC @ 4356 w/ 12 pts. RIH w/ pump and rods. RU to load and test, took 12 bbls and test 500#, test ok. Close well in and shut down.

11/12/14

On location, start equipment, respace production rod, electrical pole on location burn, wait on and got generator on unit, pump action good, hang well online. RDMO.



NM Regulatory Schematic_PROD

Well Name: PHILLIPS LEA 1

API/UWI	Field Name	County	State/Prov	Section	Township	Range	Survey	Block
3002502157	PRNM - PB - CAPROCK MALJAMAR	Lea	NM	31	017-S	034-E		
Ground Elevation (ft)	Orig KB Elev (ft)	KB-Grd (ft)	Initial Spud Date	Rig Release Date	TD Date	Latitude (°)	Longitude (°)	Operated?
4,097.00	4,109.00	12.00	3/14/1949	5/23/1949	5/20/1949	32° 47' 34.584" N	103° 36' 3.996" W	Yes

Original Hole: 3/6/2015 1:32:31 PM

Original Hole Data

MD (ftKB)	Vertical schematic (actual)	Wellbores
-5.9		North-South Distance (ft) 1,980.0 NS Flag FNL East-West Distance (ft) 1,980.0 EW Flag FWL
-1.0		Casing Strings
0.0	Perforated; 700.0; PERF 2 SHOTS @ 700'	Csg Des Surface Set Dept... 196.0 OD Nom... 13 3/8 ID Nom... 50.00 Wt/Len (l...) String Grade SP Run Date 3/15/1949
9.8	COULD NOT PUMP IN @ 1000 PSI	Csg Des Surface Set Dept... 1,524.0 OD Nom... 8 5/8 ID Nom... 7.921 Wt/Len (l...) String Grade SS Run Date 3/19/1949
12.1	Perforated; 795.0; PERF 2 SHOTS @ 795'	Csg Des Intermediate Set Dept... 4,600.0 OD Nom... 5 1/2 ID Nom... 4.95 Wt/Len (l...) String Grade SS Run Date 4/11/1949
14.1	COULD NOT PUMP IN @ 700 PSI	Cement Stages
22.0	Perforated; 850.0; PERF 850' W/2 JSPF. COULD NOT PMP IN @ 500 PSI	Description Surface Casing Cement Top (ftKB) 12.0 Btm (ftKB) 196.0 Eval Method Tag Comment CEMENTED W/175 SKS EL TORO COMMON CEMENT AND CIRC'D BACK TO SURFACE.
194.9	PERF 2 MORE SHOTS @ 850', COULD NOT PMP @ 750 PSI	Description Intermediate Casing Cement Top (ftKB) 1,314.0 Btm (ftKB) 1,524.0 Eval Method Calculated Comment CEMENTED W/100 SKS EL TORO COMMON CEMENT. TOC CALCULATED USING 1.06 CF/SK YIELD AND 75% EFFICIENCY.
195.9	Perforated; 1,600.0-1,601.0; PERF 4 HOLES @ 1600'-01'	Description Production Casing Cement Top (ftKB) 3,604.0 Btm (ftKB) 4,600.0 Eval Method Calculated Comment CEMENTED W/100 SKS EL TORO COMMON CEMENT. TOC CALCULATED FROM PRIOR OPERATOR
700.1		Description Cement Squeeze Top (ftKB) 912.0 Btm (ftKB) 1,601.0 Eval Method Temp. Survey Comment PMP'D DOWN TBG & GOT RETURNS IN 5.5" X 8.625" ANNULUS. CMT'D W/400 SX CLASS C W/2% CACL. CMT DID NOT CIRC. RAN TEMP LOG, TOC 900' FROM SURFACE.
794.9		Description Cement Squeeze Top (ftKB) 912.0 Btm (ftKB) 1,601.0 Eval Method Temp. Survey Comment SET CMT RET @1570'. RE-SQUEEZE W/150 SX CLASS C W/2% CACL & 150 SX CLASS C W/2% CACL & 10# SD/SK.
850.1		Tubing Strings
912.1		Tubing Description Tubing - Production Set Depth... 4,681.7 Run Date 3/11/1980 Pull Date 11/11/2014
1,314.0		Tubing Description Tubing - Production Set Depth... 4,624.7 Run Date 11/11/2014 Pull Date
1,523.0		Formations
1,524.0		Formation SALT Final Top... 1,600.0 Final Btm... 2,685.0 Comment
1,600.1		Formation GRAYBURG Final Top... 4,166.0 Final Btm... 4,570.0 Comment
1,601.0		Formation SAN ANDRES Final Top... 4,570.0 Final Btm... Comment
2,685.0		
3,604.0		
4,166.0		
4,356.0		
4,358.9		
4,361.9		
4,365.2		
4,365.1		
4,367.1		
4,372.0		
4,374.0		
4,378.0		
4,394.0		
4,396.0		
4,401.9		
4,403.9		
4,408.1		
4,410.1		
4,426.8		
4,429.1		
4,435.0		
4,437.0		
4,440.9		
4,442.9		
4,444.9		
4,457.0		
4,463.9		
4,465.9		
4,522.3		
4,568.9		
4,586.9		
4,587.9		
4,592.2		
4,597.1		
4,599.1		
4,600.1		
4,608.9		
4,621.1		
4,624.0		
4,624.7		
4,665.0		
4,710.0		
4,765.1		