

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 OCD

SEP 29 2011

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

WELL API NO. 30-025-11705
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No. 309546
7. Lease Name or Unit Agreement Name LANGLIE MATTIX QUEEN UNIT
8. Well Number: 035
9. OGRID Number 269324
10. Pool name or Wildcat LANGLIE MATTIX; 7 RVRS-Q-GRAYBURG

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 <u>E</u> , <u>2310</u> feet from the <u>N</u> line and <u>4950</u> feet from the <u>E</u> line Section <u>23</u> Township <u>25S</u> Range <u>37E</u> NMPM LEA County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,076' GL	

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: ☐

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.

Proposed P&A Procedures:

POOH w/ injection tbg & pkr.
RIH & set CIBP @ 3,058' & cap w/ 35 sxs cmt.
WOC & tag top of CIBP no lower than 3,008'.
Circ the hole w/ mud laden fluid.
RIH & set a 25 sxs cmt plug @ 2,310'.
WOC & tag no lower than 2,210'.
Perf the 6" csg @ 1,170' & sqz cmt in/out of csg to surface.
Set the dry hole marker & clean up location.

The Oil Conservation Division Must be notified
24 hours prior to the beginning of plugging 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

Terry B. Callahan

TITLE: REGULATORY SPECIALIST III DATE September 29, 2011

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

For State Use Only

APPROVED BY:

[Signature]

TITLE

State Rep

DATE

9-29-2011

Conditions of Approval (if any):

SEP 29 2011

Wellbore Diagram

Lease & Well No. Langlie Mattix Queen Unit #35
Field Name Langlie Mattix
Location 2,310' FNL & 4,950' FEL; T. 25S R. 37E Sec: 22

Former Name _____
County & State Lea County, New Mexico
API No. 30-025-11705

K.B. Elevation _____
D.F. Elevation _____
Ground Level 3,076'

Surface Casing				
Size (OD)	8 5/8"	Weight	32.0#	Depth
Grade		Sx. Cmt.	600 sx	TOC @
				Surface

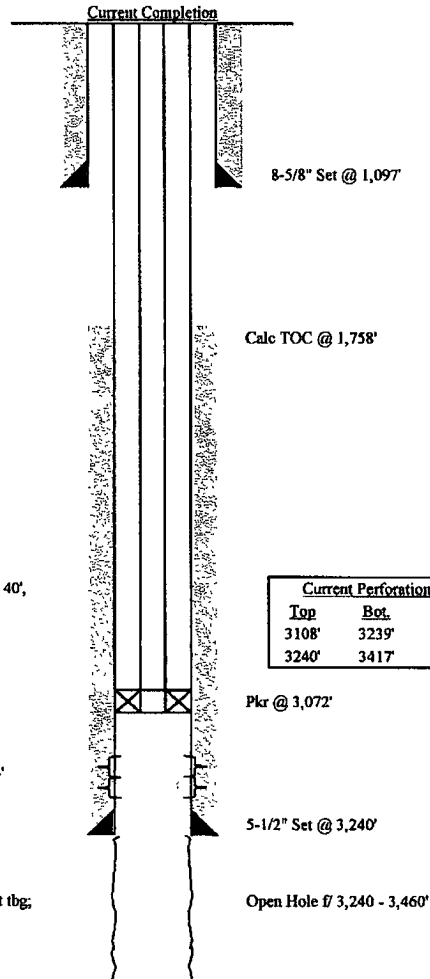
Intermediate Casing				
Size (OD)	n/a	Weight		Depth
Grade		Sx. Cmt.		TOC @

Production Casing				
Size (OD)	6"	Weight	15.0#	Depth
Grade		Sx. Cmt.	200 sx	TOC @
				1,785'

Well History

4/18/39 - Spud well; set 8-5/8" csg @ 1,097'; Cmt'd w/ 600 sx
5/9/39 - Set 6" production csg @ 3,240'; Cmt'd w/ 200 sx cmt; Drld well f/ 3,240 - TD @ 3,360';
5/110/39 - Completed open hole interval f/ 3,254 - 3,360' w/ 220 qts nitroglycerine, IP'd @ 640 bopd on 28/64" choke;
2/18/57 - Frac'd open hole in 2 stgs; 1st stg - 10,000 gals lease crude + 10,000# sd + 500# moth balls; 2nd stg - 10,000 gals lease crude + 10,000# sd + 500# moth balls; put well back on production;
7/29/69 - well shut-in due to uneconomic production
10/18/69 - clnd out fill to TD; Deepened well f/ 3,360 - 3,425'; Spotted 500 gals f/ 3,425' and acdz open hole,
11/10/69 - perf'd Queen interval f/ 3,108', 10', 12', 14', 16', 18', 20', 22', 24', 26', 28', 30', 32', 34', 36', 38', 40', 42', 44', 46', 48', 50', 52', 54', 56', 58', 60', 62', 64', 66', 68', 70', 72', 74', 76', 78', 80', 82', 84', 86', 88', 90', 92', 94', 96', 98' & 3,200' @ 1 spf (47 holes total); RIH w/ pkr & injection tbg,
12/6/69 - commenced injection
9/12/71 - RIH & clnd out f/ 3,332 - 3,395'; Ran tracer & found 0% fluid entry f/ 3,108 - 3,200'; 70% fluid entry f/ 3,240 - 70', 20% f/ 3,290 - 3,310' & 10% fluid entry f/ 3,320 - 50'; no indication of channeling behind pipe,
9/16/71 - sqzd thief zone f/ 3,280 - 3,425' w/ 150 bbls Injectrol 'L';
9/18/71 - clnd out fill f/ 3,296 - 3,417'; Plugged back 3,367 - 3,299' w/ 17 sx frac sand & f/ 3,299 - 3,285' w/ 51 gals of hydromute cmt cap; Re-perf'd 6" csg f/ 3,190 - 3,208' @ 1 spf (18 holes), RIH w/ RBP & Pkr and set same @ 3,220' & 3,040', respectively; Acdz Queen w/ 1,000 gals 15% NEFE HCl; POH w/ RBP & pkr and RIH w/ injection pkr & put well on injection,
12/7/90 - POH w/ pkr & RIH w/ bit & tagged @ 3,250'; Clnd out f/ 3,250 - 3,417', Perf'd f/ 3,109' - 14', 3,137 - 42', 3,162 - 73', 3,189 - 3,208', & 3,230 - 39' @ 2 spf; tbg got stuck & freepointed and cut tbg; Jarred tbg free; Acdz well w/ 2,000 gals 15% NEFE HCl; RIH w/ pkr & set same @ 3,072', Pressure tested well, held ok; Put well back on injection;
4/26/06 - Run MIT & held ok;

Formation Record	Depth
Top of Salt	1,120'
Base of Salt	2,260'
Yates	2,470'
7 Rivers	2,730'
Queen	3,110'
Penrose	3,256'



Tubing Detail: _____

Current Perforations:		
Top	Bot.	Pt.
3108'	3239'	131'
3240'	3417'	OH

Plug Back Depth	
Total Depth	3,460'

Wellbore Diagram

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D.F. Elevation	
Ground Level	3,076'

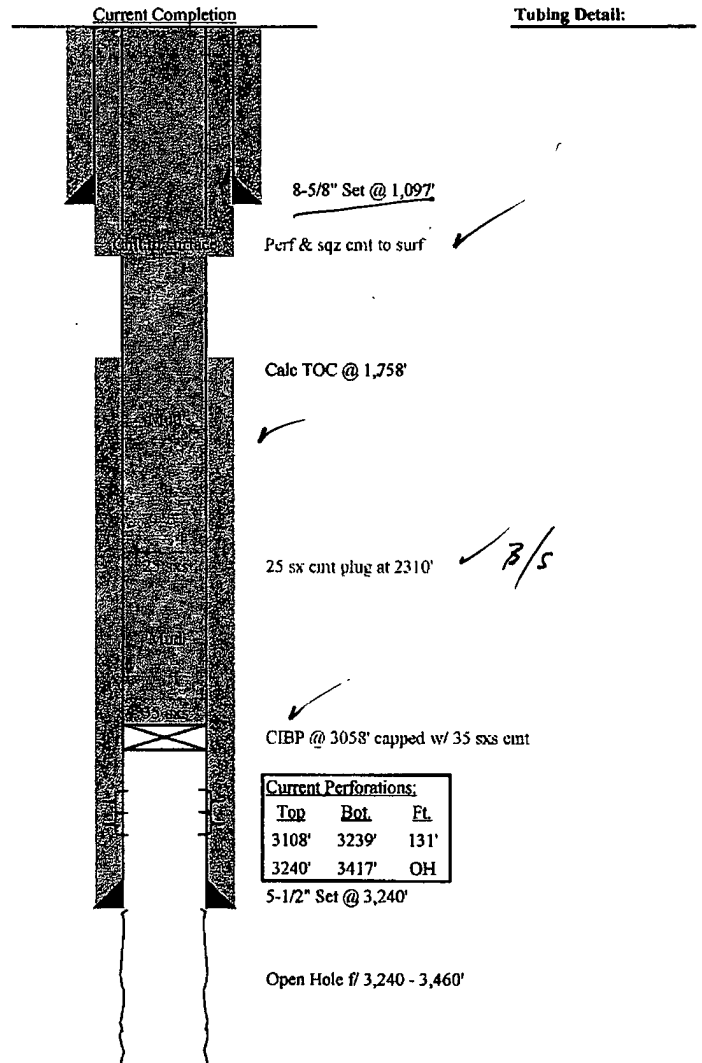
Former Name	
County & State	Lea County, New Mexico
API No.	30-025-11705

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Size (OD)	6"	Weight	15.0#	Depth
Grade		Sx. Cmt.	200 sx	TOC @
				1,785'

P&A Procedure:

POOH w/ injection tbg and pkr.
 RIH & set CIBP at 3058' & cap w/ 35 sxs cmt.
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 WOC & tag no lower than 2210'.
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