

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

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

OCT 25 2011

WELL API NO. 30-025-22243
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name HUMPHREY QUEEN UNIT
8. Well Number: 015
9. OGRID Number 269324
10. Pool name or Wildcat LANGLIE MATTIX; 7 RVR-S-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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> 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>L</u> : <u>1830</u> feet from the <u>S</u> line and <u>660</u> feet from the <u>W</u> line Section <u>03</u> Township <u>25S</u> Range <u>37E</u> NMPM LEA County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,154' 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.

9/27/11 - MIRU PU, DUG OUT CELLAR. NDWH, NO TBG IN WELL. NUBOP RU & TIH W/ TBG. TAGGED CIBP @ 3,365'.

9/28/11 - RU CMT UNIT. CIRC HOLE W/ MUD LADEN FLUID. SPOTTED 25 SXS CLASS C NEAT CMT F/ 3010' T/3,375'. POH LD TBG TO 2550'. PRESS CSG TO 500 PSI, OK. PERF @ 2500', TRIED TO EST CIRC, PRESSURED UP. LD PKR. TIH TO 2550', SPOTTED 40 SXS CLASS C NEAT CMT FR 1970' T/2550'. WOC RIH W/ WL. TAGGED PLUG @ 1993'. PERF @ 1180'. RIH W/ 4-1/2" PKR TO 880'. SQZ'D 25 SXS CLASS C NEAT CMT. DISPLACED CMT TO 1050'. SDFN.

9/28/11 - RIH W WL, TAGGED PLUG @ 1056'. PERF @ 753'. EST INJ RATE, BUT WOUND NOT CIRC. SQZ'D 50 SXS CLASS C NEAT CMT. DISPLACED TO 640'. SI WELL W/ 1400 PSI, WOC. RIH & TAG PLUG @ 634'. SPOTTED 30 SXS CLASS C NEAT CMT F/200' T/634'. POH LD TBG. SET PKR @ 10'. SQZ'D 40 SXS CLASS C NEAT CMT INTO CSG LEAK. DISPLACED CMT TO 15'. WOC LD PKR. RIH W/ WL, TAGGED PLUG @ 18'. ND BOP, PUMP 5 SXS SURF PLUG. RD PU CLEANED LOCATION. SET DRY HOLE MARKER.

WELL IS PLUGGED & ABANDONED.

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: REGULATORY SPECIALIST III DATE OCTOBER 25, 2011

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 10-25-2011

Conditions of Approval (if any):

OCT 25 2011

Wellbore Diagram

Lease & Well No.	Humphrey Queen Unit #15
Field Name	Langlie Mattix
Location	1830' FSL & 660' FWL; T: 25S R: 37E Sec: 3
K.B. Elevation	
D.F. Elevation	
Ground Level	3,154'

Former Name	Liberty #5
County & State	Lea County, New Mexico
API No.	30-025-22243

Surface Casing			
Size (OD)	8 5/8"	Weight	28 0#
Grade		Sx. Cmt.	450 sx
Depth	703'	TOC @	
Intermediate Casing			
Size (OD)	n/a	Weight	
Grade		Sx. Cmt.	
Depth		TOC @	
Production Casing			
Size (OD)	4 1/2"	Weight	9.5#
Grade		Sx. Cmt.	100 sx
Depth	3,419'	TOC @	2,540'

Calculated

Well History

9/7/67 - Spud Well

9/13/67 - Set 8-5/8" csg @ 703' & cmtd w/ 275 sx cmt, Circ cmt to surface

10/15/67 - TD well @ 3,552'; Set 4-1/2" csg @ 3,419'; Cmtd w/ 100 sx; Estimate TOC @ 2,540'

5/13/68 - Frac'd OH w/ 5,000 gals refined oil + sd; put well on production; IP - 13 bo, 41 mcf, 8 bw

10/1/69 - Deepened OH w/ 4" bit @ 3,552 - 3,680' (128'); Acdz OH @ 3,419 - 3,680' w/ 500 gals 15% NEFE HCl; put well on injection

1/24/72 - Plug back OH @ 3,502 - 3,545' w/ sd & 3,491 - 3,502' w/ cmt; put well back on injection

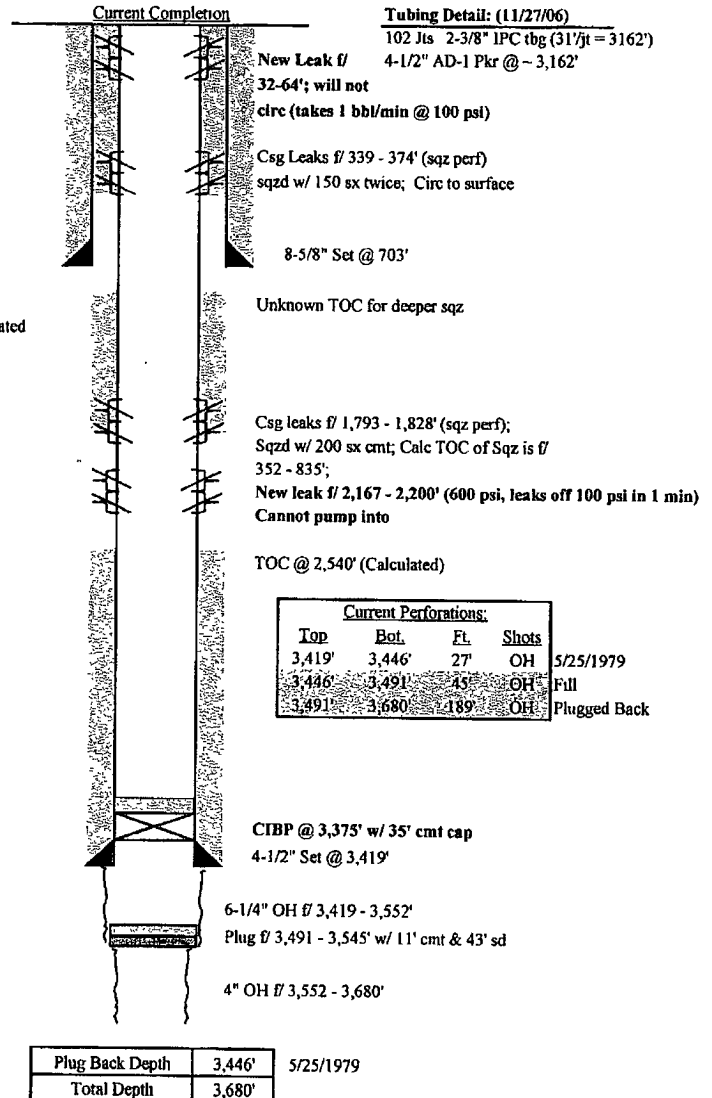
5/25/79 - jet washed OH @ 3,419 - 3,454'; could not get deeper; Acdz w/ 1,000 gals 15% NEFE + solvent & tagged @ 3,446';

1/23/86 - Ran vertilog that showed CI 3&4 metal loss @ 3,250 - 3,400' & CI 3 metal loss @ 738 - 860'; RIH w/ RBP & pkr; Set RBP at 3,405' and tstd same to 1,000 psi; held ok, but did not shut-off flow; Plug holding on top, but not bottom; Re-set RBP at 3,393'; Isolated csg leak @ 339 - 369'. can't pump into leak; Test RBP again & found to be leaking; Re-set RBP & tstd ok; Isolated another leak @ 1,793 - 1,823'; Perfd sqz holes at 1,828' & sqzd w/ 200 sx CI 'C' cmt; PUH & perfd @ 374'; Sqzd w/ 150 sx CI 'C'; Circ cmt to surface; drld out shallow cmt sqz & tstd again, found leak @ 374'; Sqzd w/ 150 sx more cmt, drld thru shallow sqz & deep sqz and tstd csg @ surface to RBP @ 3,339' @ 750 psi, held ok; POH w/ RBP @ 3,393'; RIH w/ injection pkr & set same @ 3,338'; Put well on injection

4/26/06 - Failed MIT

11/20/06 - Found pkr to be leaking; Re-dressed pkr and tightened down well head (leaking too); Ran MIT & passed

Formation Record	Depth
Anhydrite	1,041'
Salt of Salt	1,130'
Base of Salt	2,400'
Queen	3,480'



Wellbore Diagram

Lease & Well No. **Humphrey Queen Unit #15**
 Field Name **Langhe Maltix**
 Location **1830' FSL & 660' FWL; T: 25S R: 37E Sec: 3**

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 County & State **Lea County, New Mexico**
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 Ground Level **3,154'**

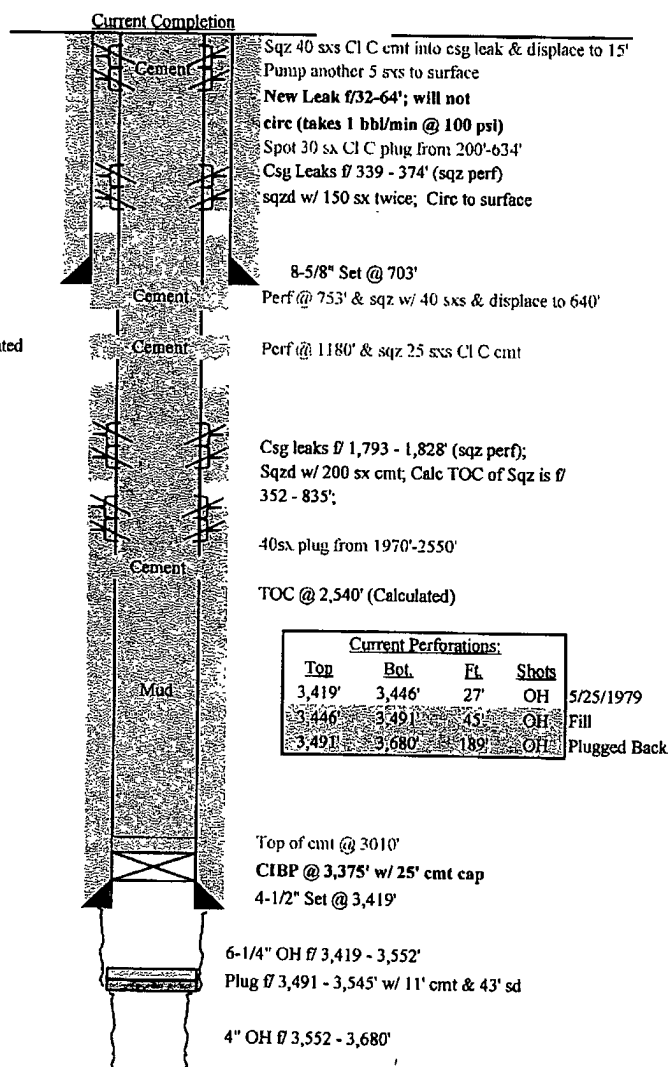
Surface Casing			
Size (OD)	8 5/8"	Weight	28.0#
Grade		Sx. Cmt.	450 sx
		Depth	703'
		TOC @	

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

Production Casing			
Size (OD)	4 1/2"	Weight	9.5#
Grade		Sx. Cmt.	100 sx
		Depth	3,419'
		TOC @	2,540'

Calculated

Formation Record	Depth
Anhydrite	1,041'
Top of Salt	1,130'
Base of Salt	2,400'
Queen	3,480'



Plug Back Depth	3,446'	5/25/1979
Total Depth	3,680'	