

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

HOBBS OGD State of New Mexico
Energy, Minerals and Natural Resources
AUG 16 2011 CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
RECEIVED

Form C-103
October 13, 2009

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. 307953
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 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 Inj.

2. Name of Operator
LINN OPERATING, INC. ON BEHALF OF SANDRIDGE UNTIL COO.

3. Address of Operator
600 TRAVIS, SUITE 5100, HOUSTON, TEXAS 77002.

4. Well Location
Unit Letter L: 1830 feet from the S line and 660 feet from the W line
Section 03 Township 25S Range 37E NMPM LEA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3154'

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: ☐

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

LINN PROPOSES TO P&A THIS WELL DUE TO A LACK OF ECONOMIC JUSTIFICATION TO RETURN THE WELL TO INJECTION. LINN WILL SET A CIBP WITHIN 100' OF THE OPEN HOLE INTERVAL AND PLACE EITHER 25 SX ON TOP IF WE USE TBG OR 35' CEMENT IF WE DUMP BAIL WITH WIRELINE.

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 August 15, 2011

Type or print name TERRY B. CALLAHAN E-mail address: tcallahan@linnenergy.com PHONE: 281-840-4272
For State Use Only

APPROVED BY:

[Signature]

TITLE

STAFF MGR

DATE

8-17-2011

Conditions of Approval (if any):

AUG 18 2011

RECEIVED

AUG 16 2011

HOBSUCD

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

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. 307953
7. Lease Name or Unit Agreement Name. HUMPHREY QUEEN UNIT
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1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator LINN OPERATING, INC. ON BEHALF OF SANDRIDGE UNTIL COO	
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.) 3154'	

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: ☐

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Proposed P&A Procedures

LINN PROPOSES TO P&A THIS WELL DUE TO A LACK OF ECONOMIC JUSTIFICATION TO RETURN THE WELL TO INJECTION. LINN WILL SET A CIBP WITHIN 100' OF THE OPEN HOLE INTERVAL AND PLACE EITHER 25 SX ON TOP IF WE USE TBG OR 35' CEMENT IF WE DUMP BAIL WITH WIRELINE.

RIH & TAG PBTD. CIRC 9 PPG MUD LADEN FLUID. PERF @ 2,500' & SQZ 70 SXS CL C CMT IN/OUT OF 4-1/2" CSG (COVERS 50' ABOVE & BELOW BASE OF SALT). EST. TOC @ 2,087'. WOC & TAG NO LOWER THAN 2,100'. PERF @ 1,180' & SQZ 25 SXS CL C CMT IN/OUT OF 4-1/2" CSG (COVERS 50' ABOVE & BELOW TOP OF SALT). EST TOC @ 1,033'. WOC & TAG NO LOWER THAN 1,080'. PERF @ 753' & CMT TO SURFACE. SET THE DRY HOLE MARKER AND CLEAN UP LOCATION.

59

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 August 16, 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

STAFF MGR

DATE

8-17-2011

Conditions of Approval (if any):

AUG 18 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'

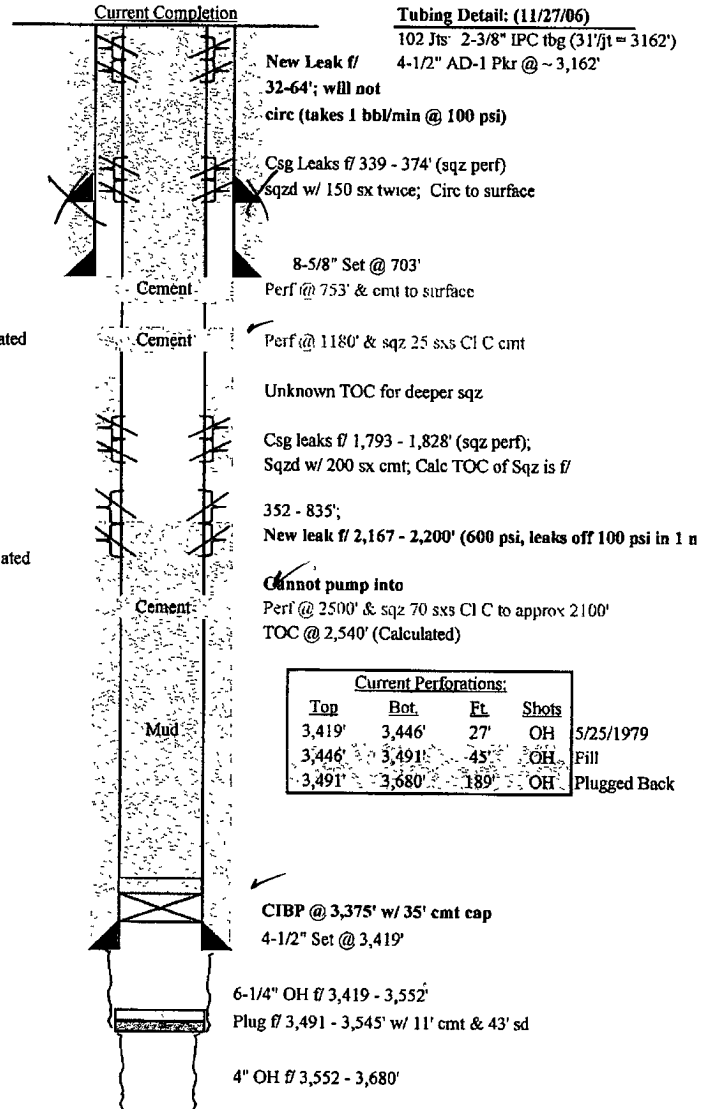
Former Name	Liberty #5
County & State	Lea County, New Mexico
API No.	30-025-22243

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'

P&A Procedure

RIH & tag PBDT.
 Circ 9 ppg mud laden fluid
 Perf @ 2500' & sqz 70 sxs Cl C cmt in/out of 4-1/2" csg (covers 50' above & below base of salt).
 Estimated TOC @ 2087'
 WOC and tag no lower than 2100'
 Perf @ 1180' & sqz 25 sxs Cl C cmt in/out of 4-1/2" csg (covers 50' above & below top of salt). Estimated TOC @ 1033'.
 WOC and tag no lower than 1080'
 Perf @ 753' and cmt to surface.
 Set the dry hole marker and clean up location.

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'	

Wellbore Diagram

Lease & Well No. **Humphrey Queen Unit #15**
 Field Name **Langlie Matrix**
 Location **1830' FSL & 660' FWL, T. 25S R. 37E Sec 3**

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

K.B. Elevation _____
 D.F. Elevation _____
 Ground Level **3,154'**

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

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

Production Casing			
Size (OD)	4 1/2"	Weight	9.5#
Grade	Sx. Cmt.	100 sx	TOC @

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'; Perf'd sqz holes at 1,828' & sqzd w/ 200 sx CI 'C' cmt; PUH & perf'd @ 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'

