

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 87401

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.

30-025-22751

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.
307953

7. Lease Name or Unit Agreement Name

HUMPHREY QUEEN UNIT

8. Well Number: 023

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 ☐

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 O; 100 feet from the S line and 1980 feet from the E 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

POOH W/ 2-3/8" TBG; RIH & SET CIBP @ 3236' W/ 35 SXS CEMENT ON TOP; RIH & TAG TOP OF CIBP; CIRC THE HOLE W/ MUD LADEN FLUID. RIH & SET A 25 SX CMT PLUG INSIDE THE 4-1/2" CSG @ 2460' (COVERS THE BASE SALT); WOC & TAG NO LOWER THAN 2360'; PERF THE 4-1/2" CSG @ 1230' AND SQZ 25 SXS OF CMT (COVER THE TOP OF SALT); WOC & TAG NO LOWER THAN 1130'. SET 25 SXS, PLUG FROM 703'-603'; WOC & TAG NO LOWER THAN 604'. PLUG OUT WELL W/ CMT FROM 60' TO SURFACE. SET THE DRY HOLE MARKER & CLEAN UP LOCATION.

760
The Oil Conservation Division Must be notified
24 hours prior to the beginning of plugging operations.

Spud Date:

Ri

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 30, 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 8-31-2011

Conditions of Approval (if any):

31 2011

Wellbore Diagram

Lease & Well No.	Humphrey Queen Unit #23
Field Name	Langlie Mattix
Location	100' FSL & 1980' FEL; T: 25S R: 37E Sec. 3
K.B. Elevation	
D.F. Elevation	
Ground Level	3,134'

Former Name	Humphrey A #9
County & State	Lea County, New Mexico
API No.	30-025-22751

Surface Casing			
Size (OD)	8 5/8"	Weight	23.0#
Grade		Sx. Cmt.	325 sx
		TOC @	727'

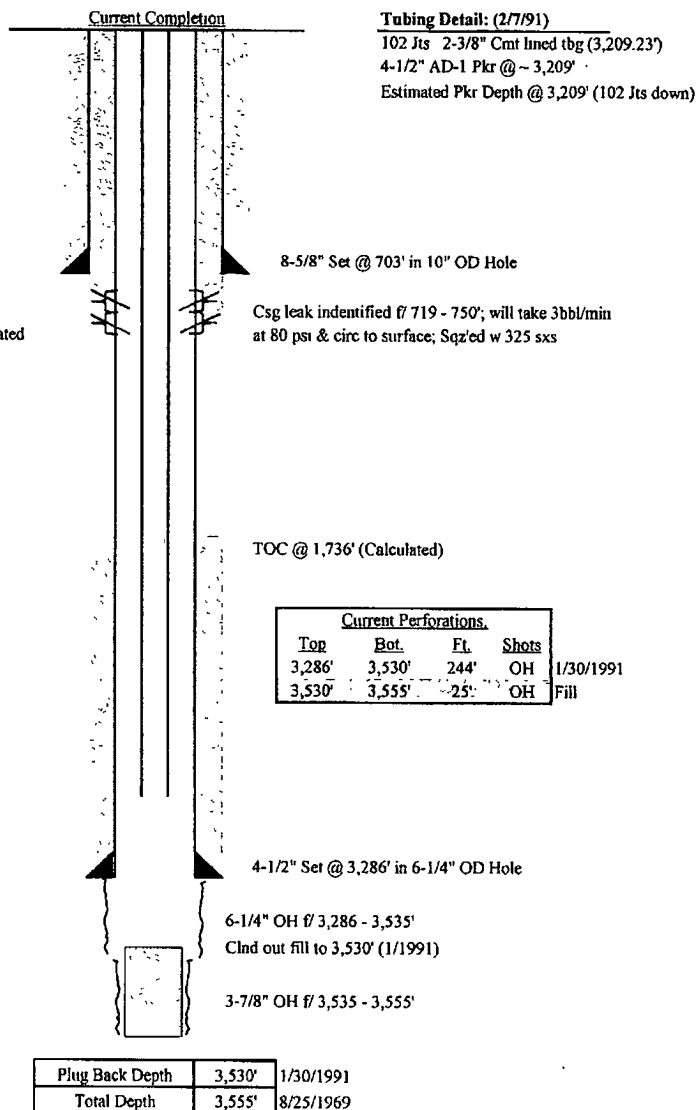
Intermediate Casing (Pulled from Well/Not Cemented)			
Size (OD)	7"	Weight	24.0#
Grade		Sx. Cmt.	
		TOC @	1,161'

Production Casing			
Size (OD)	4 1/2"	Weight	9 5#
Grade		Sx. Cmt.	210 sx
		TOC @	1,736'

Well History

10/15/68 - Spud Well
 10/22/68 - Drilled 10" hole to 732' & set 8-5/8" csg @ 727'; Cmt'd w/ 325 sx Cl 'A' cmt; Circ cmt to surface.
 11/25/68 - TD 6-1/4" hole @ 3,535'; Set 4-1/2" csg @ 3,286'; Cmt'd w/ 210 sx; Calculated TOC @ 1,736'; Plugged back to 3,506' w/ 25 gals gravel + 16 gals hydromite; PBTD @ 3,499' Well shut-in
 8/25/69 - Cnd out f/ 3,485 - 3,515'; Lost fish @ 3,464'; Attempt to fish got top 28' of sd pump, Top of fish @ 3,492'; Cannot fish rest of sd pump; Milled by junk f/ 3,498' - 3,514'; POH & ran 3-7/8" bit; Deepened well f/ 3,514 - 3,555'; Acdz OH f/ 3,286 - 3,555' w/ 500 gals 15% NEFE acid; Ran 103 jts tbg + 4-1/2" Baker tension pkr & set same @ 3,200'; Put well on injection
 8/9/78 - Acdz OH f/ 3,286 - 3,460' w/ 1,000 gals 15% NEFE HCl
 1/30/91 - POH w/ Inj. eqmt; Tagged fill @ 3,425'; Cnd out fill to 3,530'; Acdz well w/ 2,000 gals 15% NEFE HCl + 20% Xylene; RIH w/ pkr & set same @ 3,213'; tstd csg to 500 psi; held ok
 4/26/06 - passed MIT
 8/12/11 - Sqz'd 4-1/2" csg leak @ 719'-750' w/ 325 sx cmt. Circ to surf.
 RIH w/ 3 7/8" bit 2 - 3 1/4" drill collars tag cement @ 103' Started drilling cmt, fell out @ 775'
 RIH w/ 4 1/2" AD-1 packer tested casing leaks 719' - 750' press 550 PSI
 loss 100 PSI in 5 MINS 200 PSI in 10 MINS. POH w tubing & packer.

Formation Record	Depth
Anhydrite	1,030'
T/ Salt	1,180'
B/ Salt	2,410'
Queen	3,435'



Wellbore Diagram

<u>Lease & Well No</u>	Humphrey Queen Unit #23
<u>Field Name</u>	Langlie Mattix
<u>Location</u>	100' FSL & 1980' FEL, T 25S R: 37E Sec 3

<u>Former Name</u>	Humphrey A #9
<u>County & State</u>	Lea County, New Mexico
<u>API No.</u>	30-025-22751

<u>K.B. Elevation</u>	
<u>D.F. Elevation</u>	
<u>Ground Level</u>	3,134'

Surface Casing					
Size (OD)	8 5/8"	Weight	23.0#	Depth	727'
Grade		Sx Cmt	325 sx	TOC @	

Intermediate Casing (Pulled from Well/Not Cemented)					
Size (OD)	7	Weight	24 G#	Depth	1,161'
Grade		Sx. Cmt.		TOC @	

Production Casings					
Size (OD)	4 1/2"	Weight	9.5#	Depth	3,286'
Grade		Sx. Cmt	210 sx	TOC @	1,736'

P&A Procedure

POOH w/ 2-3/8" tbg.

RIH & set CIBP at 3236' w/ 35 sxs cmt on top

RIH & tag top of CIBP

Circ the hole with mud laden fluid.

RIH & set a 25 sx cement plug inside the 4-1/2" csg @ 2460' (covers the base of salt).

WOC & tag no lower than 2360'.

Perf the 4-1/2" csg at 1230' and sqz 25 sx of cmt (covers the top of salt).

WOC & tag no lower than 1130'.

Set 25 sx plug f/ 703' - 603'.

WOC & tag no lower than 604'

Plug out well w/ cmt from 60' to surface

Set the dry hole marker and clean up location.

Formation Record	Depth
Anhydrite	1,030'
T/ Salt	1,180'
B/ Salt	2,410'
Queen	3,435'

