Submit 1 Copy To Appropriate District Office District II – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240 District III – (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 Minerals and Natural Resources AUG 1 6020 TONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-103 October 13, 2009 WELL API NO. 30-025-22243 5. Indicate Type of Lease STATE FEE 6. State Oil & Gas Lease No. 307953
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.	7. Lease Name or Unit Agreement Name HUMPHREY QUEEN UNIT 8. Well Number: 015 9. OGRID Number 269324
3. Address of Operator 600 TRAVIS, SUITE 5100, HOUSTON, TEXAS 77002. 4. Well Location	10: Pool name or Wildcat LANGLIE MATTIX;7 RVRS-Q- GRAYBURG
Unit Letter L: 1830 feet from the S line and 6 Section 03 Township 25S Range 37E. 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3154'	
12. Check Appropriate Box to Indicate Nature of Notice, NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒ REMEDIAL WORK TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRI PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐ CASING/CEMENT DOWNHOLE COMMINGLE ☐	SEQUENT REPORT OF: K
OTHER: OTHER:	d give pertinent dates, including estimated date npletions: Attach wellbore diagram of
Proposed P&A Procedures	
LINN PROPOSES TO P&A THIS WELL DUE TO A LACK OF ECONOMIC JUSTIFICATIVE TO A LACK OF ECONOMIC JUSTIFICATIVE USE TBG OR 35' CEMENT IF WE DUMP BAIL WITH WIRELINE.	ATION TO RETURN THE WELL TO. AND PLACE EITHER 25 SX ON TOP IF
The Oil Conservation Division 24 hours prior to the beginning	
Spud Date: Rig Release Date:	
Type or print name TERRY B. CALLAHAN E-mail:address: tcallahan@linnenergy.com For State Use Only	ALIST III DATE August 15, 2011.
Containing of Application ally	

Submit 1 Copy To Appropriate District Office	State of New Me		Form C-103
District I – (575) 393-6161 1625 N. French Dr., Hobbs, NM 8824 District II – (575) 748-1283 811 S. First St., Artesia, NM 88210 District III – (505) 334-6178	Energy, Minerals and Natur	ral Resources	October 13, 2009 WELL API NO.
District II - (575) 748-1283	EMED	DIMIGNON	30-025-22243
811 S. First St., Artesia, NM 88210 <u>District III</u> – (505) 334-6178	1220 South St. Fran	DIAI2ION	5. Indicate Type of Lease
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1220 S. St. Francis Dr., Santa Fe, NM HOB 87505	BSOCD		6. State Oil & Gas Lease No. 307953
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l	Well 🛛 Other		8. Well Number: 015
2. Name of Operator		<u></u>	9. OGRID Number 269324
LINN OPERATING, INC. ON BEHA	LF OF SANDRIDGE UNTILE	00	,
3. Address of Operator 600 TRAVIS, SUITE 5100, HOUSTO	N TEVAS 77000		10. Pool name or Wildcat
000 11ca v 13, 30 t 12 3 100, 110 0,3 10 1	N, IEAAS //UUZ		LANGLIE MATTIX;7 RVRS-Q- GRAYBURG
4. Well Location			ĢKATDĢKO
Unit Letter L; 1830	feet from the S	line and 6	660 feet from the W line
Section 03	Township 25S	Range 37E	
	. Elevation (Show whether DR,		
31	54'		
10 (1)			
12. Check App	ropriate Box to Indicate Na	ature of Notice,	Report or Other Data
NOTICE OF INTE	NTION TO:	SUB	SEQUENT REPORT OF:
	LUG AND ABANDON 🖾	REMEDIAL WOR	
	HANGE PLANS	COMMENCE DR	
	ULTIPLE COMPL	CASING/CEMEN	T JOB 🔲 🐪
DOWNHOLE COMMINGLE			
OTHER:		OTHER:	П
13. Describe proposed or completed	operations. (Clearly state all p	ertinent details, an	d give pertinent dates, including estimated date
of starting any proposed work). proposed completion or recomp	SEE RULE 19.15.7.14 NMAC	. For Multiple Co	mpletions: Attach wellbore diagram of
proposed completion of recomp	iction.		
Proposed P&A Procedures			
I BBI BBODGES TO BE A TIME WITH			
LINN PROPOSES TO P&A THIS WELL INJECTION, LINN WILL, SET A CIRP.	DUE TO A LACK OF ECONO	OMIC JUSTIFICA	TION TO RETURN THE WELL TO AND PLACE EITHER 25 SX ON TOP IF WE
USE TBG OR 35' CEMENT IF WE DU	MP BAIL WITH WIRELINE.	OLEINIERVAL	AND PLACE EITHER 25,5X ON TOP IF WE
			·
RIH & TAG PBTD. CIRC 9 PPG MUD	LADEN FLUID. PERF @ 2,5	00' & SQZ 70 SXS	S CL C:CMT IN/OUT OF 4-1/2" CSG
1 180, % 202 52 2X8 CT C CWT DAG	SE OF SALT). EST. TOC @ 2.	,087'. WOC & TA	G NO LOWER THAN 2,100', PERF @
WOC & TAG NO LOWER THAN 1.08)' PERF @ 753' & CMT TO S	URFACE SETT	LOW TOP OF SALT). EST TOC @ 1,033'. HE DRY HOLE MARKER AND CLEAN UP
LOCATION.	50	old Red. Sel 1	THE DRY MODE MARKER AND CLEAN UP
P			•
Spud Date:	Rig Release Dat		
		е:	-
I hereby certify that the information above	e is true and complete to the bes	st of my knowledge	e and helief
		ory kalowioug	c and benefit
SIGNATURE STREET S. CA	111/10		
SIGNATURES - CO. F. CO.	TITLE: REGU	ILATORY SPECI	ALIST III DATE August 16, 2011
Type or print name TERRY B. CALLAP	[AN E-mail address: toallahan)	@linnenerov.com	PHONE: 281-840-4272
For State Use Only	/	muchergy.com	1 11O11D, <u>201-040-42/2</u>
APPROVED BY		4 4 4	O
APPROVED BY: Conditions of Approval (if any):	TITLE ST	Aff mg	DATE 8-17-2011
- on among or rappioval (if ally). /		1	

Wellbore Diagram

 Lease & Well No.
 Humphrey Queen Unit #15

 Field Name
 Langlie Mattix

 Location
 1830' FSL & 660' FWL; T' 25S R: 37E Sec: 3

New Leak f/

32-64'; will not

circ (takes 1 bbl/min @ 100 psi)

Csg Leaks f/ 339 - 374' (sqz perf)

sqzd w/ 150 sx twice; Circ to surface

Tubing Detail: (11/27/06)

102 Jts: 2-3/8" IPC tbg (31'/jt = 3162')

4-1/2" AD-1 Pkr @ ~ 3,162

Current Completion

K.B. Elevation
D.F. Elevation
Ground Level 3,154

		Surfac	e Casing	, 	
Size (OD)	8 5/8"	Weight	28 0#	Depth	703'
Grade		Sx. Cmt.	450 sx	TOC @	

Intermediate Casing						
Size (QD)	n/a	<u>Weight</u>	<u>Depth</u>			
Grade		Sx. Cmt.	TOC @			

		Product	ion Casing			7
Size (OD)	4 1/2"	Weight	9.5#	Depth	3,419'	7
G1ade		Sx. Cmt.	100 sx	TOC @	2,540'	Calcula

P&A Procedure

RIH & tag PBTD.

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 cant in/out of 4- $1/2^\circ$ 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.

Ž .		34.	8-5/8" Set @ 703'
;	- Cement	<u>.</u>	Perf @ 753' & omt to surface
ć.,	Cement		Perf @ 1180' & sqz 25 sxs Cl C cmt
 رغب		- t - t	Unknown TOC for deeper sqz
X. X.	, ,	X X	Csg leaks f/ 1,793 - 1,828' (sqz perf); Sqzd w/ 200 sx cmt; Calc TOC of Sqz is f/
XX		Y Y	352 - 835'; New leak f/ 2,167 - 2,200' (600 psi, leaks off 100 psi in 1 n
9, 44			Cannot pump into
·~:	Cement:		Perí @ 2500' & sqz 70 sxs Cl C to approx 2100'
		5 3	TOC @ 2,540' (Calculated)
			Current Perforations: Top Bet Et Shots 3,419' 3,446' 27' OH 5/25/1979 3,446' 3,491' 45' OH Fill 3,491' 3,680' 189' OH Plugged Back
Çān)	\$25° 25	** **	
1, 1	$\geq \leq$: کُ	CIBP @ 3,375' w/ 35' cmt cap
- 4			4-1/2" Set @ 3,419'
{ E		i	/4" OH f/ 3,419 - 3,552' g f/ 3,491 - 3,545' w/ 11' cmt & 43' sd
1	{ }	4" (OH & 3,552 - 3,680'

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

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

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
-	

New Leak f/

32-64'; will not

Tubing Detail: (11/27/06) 102 Jts: 2-3/8" IPC tbg (31'/jt = 3162')

4-1/2" AD-1 Pkr @ ~ 3,162'

Current Completion

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

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

L		Produ	ection Casing			
Size (OD)	4 1/2"	Weight	9.5#	Depth	3,419	
<u>Grade</u>		Sx. Cmt.	100 sx	TOC@	2,540'	Calcul

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 f/ 3,552 - 3,680' (128'); Acdz OH f/ 3,419 - 3,680' w/ 500 gals 15% NEFE HCl; put well on injection

1/24/72 - Plug back OH f/ 3,502 - 3,545' w/ sd & 3,491 - 3,502' w/ cmt, put well back on injection 5/25/79 - jet washed OH f/ 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 Cl 3&4 metal loss 6/ 3,250 - 3,400' & Cl 3 metal loss 6/ 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 f/ 339 - 369'; can't pump into leak; Test RBP again & found to be leaking; Re-set RBP & tstd ok, Isolated another leak f/ 1,793 - 1,823'; Perfd sqz holes at 1,828' & sqzd w/ 200 sx Cl 'C' cmt; PUH & perfd @ 374'; Sqzd w/ 150 sx Cl 'C', Circ cmt to surface; drld out shallow cnt sqz & tstd again, found leak @ 374'; Sqzd w/ 150 sx more cmt; drld thru shallow sqz & deep sqz and tstd csg f/ suface 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 Sait	2,400'
Queen	3,480

