

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

MAR 25 2014

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: <u>INJECTION</u>		5. Lease Serial No. NMLC068824
2. Name of Operator LINN OPERATING INCORPORATED E-Mail: lmoreno@linnenergy.com		6. If Indian, Allottee or Tribe Name
3a. Address 600 TRAVIS STREET SUITE 5100 HOUSTON, TX 77002		7. If Unit or CA/Agreement, Name and/or No. 8910089750
3b. Phone No. (include area code) Ph: 713-904-6657		8. Well Name and No. S LNRD QN 02
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T26S R37E NENE 990FNL 330FEL		9. API Well No. 30-025-12039-00-S1
		10. Field and Pool, or Exploratory S LEONARD
		11. County or Parish, and State LEA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

LINN respectfully requests to TA this active injector that does not directly support any current production. This wellbore will be temporarily abandoned in the future event that utilization is found.

Proposed TA Procedures:
POOH w/rods & tubing
Set CIBP @ -3154'
Dump 35 sx crat on top
TAG TOC
Conduct MIT
TA Well

3204'

After 9/21/2014 the well must be online or plans to P & A must be submitted.

**SUBJECT TO LIKE
APPROVAL BY STATE**

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #234768 verified by the BLM Well Information System For LINN OPERATING INCORPORATED, sent to the Hobbs Committed to AFMSS for processing by CHRISTOPHER WALLS on 03/18/2014 (14CRW0105SE)	
Name (Printed/Typed) LAURA A MORENO	Title REG COMPLIANCE ADVISOR
Signature (Electronic Submission)	Date 02/06/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>[Signature]</u>	Title	APPROVED MAR 21 2014	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.			

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

MAR/OCD 3/26/2014

MAR 26 2014

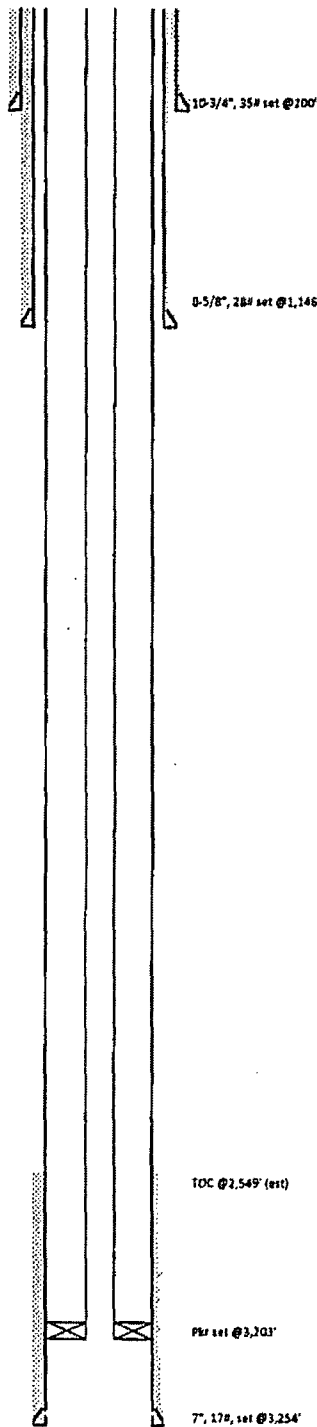
Well Name: South Leonard Unit #2

Location:	
Location	990 FNL & 330 FEL
Section:	A-73-265-37E
Block:	
Survey:	
County:	Lee
Lat/Long:	32.0332653743196 -103.126273638733
Field:	South Leonard Queen
Elevations:	
GL:	2988'
DF:	
RKB:	
ck w/log?	

Log/Int Requirements:

Date	History
2/5/1951	Spud well. Ran surf csg: 10-3/4" csg set @100' w/75 sss cement (circ to surf)
2/24/1951	Ran intermediate csg: 8-5/8" csg set @1146' w/325 sss cmt (circ to surf)
3/31/1951	Ran production csg: 7" csg set @3254' w/75 sss of cmt (TOC est @2549')
12/4/1968	Well converted to inj well for waterflood. Cleaned out to 3427'. Logged 2500-3427'. Ran tbg and pkr. Spotted 300 gal acid in open-hole. Acidized w/1500 gal acid. Pulled and ran 104 lbs tbg. Set pkr @3203'.
4/1/1977	Well shut-in
5/19/1980	Casing survey performed: Surf csg: 10-3/4" csg set @200' w/75 sss cement (circ to surf) Intermediate csg: 8-5/8" csg set @1146' w/325 sss cmt (circ to surf) Production csg: 7" csg set @3254' w/75 sss of cmt (TOC est @2549')
12/22/1994	Well T.A'd. Mechanically intact as inj well w/tbg and pkr in the hole
1/37/1995	Well shut-in water inj well w/tbg and pkr in the hole
6/30/2008	Pulled tbg, checked tbg and pkr for leak. Ran new packer, tested tubing. Loaded backside w/pkr fluid. Ran MIT, held. RTI 6/20/08

Current Wellbore Diagram



Well Name:	South Leonard Unit #2
API No:	10-025-12039
Spud Date:	2/5/1951
WBD Update:	2/4/2014 B. Williams

Hole Size:	
Surf Csg:	10-3/4", 35#
Cement Blend:	75 sss cmt
Depth:	200'
TOC:	Circ to surf

Hole Size:	
Int Csg:	8-5/8", 28#
Cement Blend:	325 sss cmt
Depth:	1,146'
TOC:	Circ to surf

Details of Perforations

Acid/Fracture Treatment
Acidized open hole w/1500 gal acid

Tubing Detail	
Joint	Description
104	2-3/8", 4.7lb, 1-55
Pkr Depth	3,203'
Tbg Depth	3,393'

Rod Detail (top to bottom)	
Rod	Description

Pumping Unit:

Hole Size:	
Prod Csg:	7", 17#
Capacity (bbl/h):	
Cement Blend:	75 sss cmt
Returns:	
TOC:	2,549' (est)
Hole Size:	
Depth	3,254'

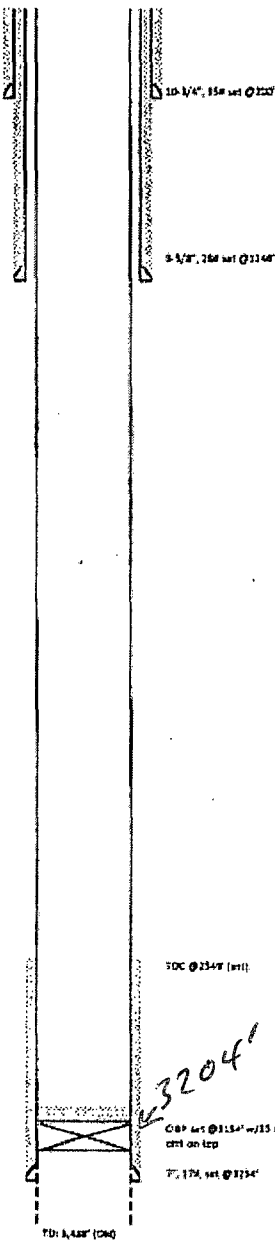
Well Name: South Leonard Unit #2

Location	
Location	WFO PNL & SIO FEL
Section	A-21-213-171
Block	
Survey	
County	WFO
US/STATE	43-011651146104-101 11679444714
Field	South Leonard 2 well
GL	2147
OP	
REA	
PL w/Log?	

Location Description:

Date	History
2/3/1991	Spud well. Ran surf log: 10-816" csg wt @ 200' w/75 sec count (csg to surf)
3/7/1991	Run intermediate log: 8-516" csg wt @ 2146" w/225 sec count (csg to surf)
3/7/1991	Run production log: 1" csg wt @ 2254" w/75 sec of csg (TOC wt @ 2544")
11/4/1991	Well connected to log well for wellhead. Cleared out to 2437'. Logged 3500-3417'. Ran Tlog and phi.
4/1/1997	Well shut in
3/19/1999	Gravel screen performed. Surf log: 10-816" csg wt @ 200' w/75 sec count (csg to surf)
	Intermediate log: 8-516" csg wt @ 2146" w/225 sec count (csg to surf)
	Production log: 1" csg wt @ 2254" w/75 sec of csg (TOC wt @ 2544")
12/22/1999	Well 2437'. Mechanically stuck in log well waiting and phi in the hole
1/17/2000	Well shut in - Well not working and phi in the hole
6/20/2000	Pushed the checked phi, and phi for test. Ran new marker, taking tubing (graded surface w/phi) PNL. Ran

Proposed Wellbore Diagram



Well Name:	South Leonard Unit #2
API No:	15-013-10010
Spud Date:	2/3/1991
WFO Update:	2/4/2014 B. Williams

Well Size:	10-8 1/4", 854'
Well Cap:	75 sec count
Current Depth:	250'
TOC:	Csg to surf

Well Size:	8-5 1/8", 214'
Well Cap:	75 sec count
Current Depth:	823 sec count
Depth:	824'
TOC:	Csg to surf

Details of Perforations

Add/Remove Treatment

Index	Description
104	1-1/2" 4.75' 2.35'
Per Depth	1321'
Log Depth	1323'

Index	Description
104	1-1/2" 4.75' 2.35'
Per Depth	1321'
Log Depth	1323'

Parting Unit:

Well Size:	7", 170'
Well Cap:	75 sec count
Current Depth:	79 sec count
Return:	2544' (csg)
TOC:	2544' (csg)
Well Size:	3254'
Depth:	3254'

TOC @ 2544' (csg)

OP wt @ 3154" w/15 sec count on top

7", 170', wt @ 3254'

TD: 3,488' (CAG)

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Temporary Abandonment of Wells on Federal Lands
Conditions of Approval

A temporarily abandoned well is defined as a completion that is not capable of production in paying quantities but which may have value as a service well. Pursuant to 43 CFR 3162.3-4 (c), no well may be temporarily abandoned for more than 30 days without the prior approval of the authorized officer.

Temporary Abandonment (TA) status approval requires a successful mechanical or casing integrity test as follows:

1. A Notice of Intent (NOI) Sundry Notice (Form 3160-5) requesting approval to run a mechanical integrity test (MIT) or casing integrity test (CIT).
2. A description of the temporary abandonment procedure.
 - a. A bridge plug or packer must be installed as close to 50 feet above any open perforations or open hole as possible. If a cement plug is used, the top of the cement must be verified by tagging. CIBP must be capped with minimum 25 sacks cement, placed with tubing, or 35 feet of cement if placed with bailer.
 - b. The wellbore must be filled with corrosion inhibited fluid and pressure tested to 500 psi. The casing shall be capable of holding this pressure for at least 30 minutes. Any leak-off will be evaluated.
 - c. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if they are not isolated by a packer.
 - d. A bradenhead test must be conducted. If the test indicates a problem exists, a remedial plan and time frame for remediation shall be submitted within ninety (90) days of the test.
 - e. Contact the appropriate BLM office at least 24 hours prior to the scheduled Casing Integrity Test. For wells in Eddy County, 575-361-2822; Lea County 575-393-3612.
3. **Provides justification why the well should be temporarily abandoned rather than permanently plugged and abandoned and an estimated date that the well will be returned to beneficial use or plugged and abandoned. 43 CFR 3162.3-4 (a) The operator shall promptly plug and abandon...wells in which oil or gas is not encountered in paying quantities...**

Wells that successfully pass the casing integrity test **may** be approved for Temporary Abandonment (TA) status provided that the operator:

1. **Submits a subsequent Sundry Notice** (Form 3160-5) requesting TA approval **with well bore diagram** with all perforations and CIBP's and tops of cement on CIBP's.
2. Describes the temporary abandonment procedure.
3. Attaches a clear copy or the original of the pressure test chart.
4. Give justification to allow well to be place in TA status and plan for future use of well with time frame that well will be place back on line or plans to P&A well will be submitted.

If the well does not pass the casing integrity test, then the operator shall within 30 days submit to BLM for approval one of the following:

1. A procedure to repair the casing so that a TA approval can be granted.
2. A procedure to plug and abandon the well.

South Leonard Queen Unit #10

1. Well may be approved to be TA/SI for a period of 6 months or until 9/21/2014 after successful MIT and subsequent report is submitted. CIBP to be set at 3204'
2. This will be the last TA approval for this well.
3. Must return to injection or submit a NOI to P&A. Must be submitted by 9/21/2014.