

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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side**

MAR 25 2014

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: INJECTION		5. Lease Serial No. NMLC062384
2. Name of Operator LINN OPERATING INCORPORATED		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: 281-840-4272		8. Well Name and No. S LNRD QN 01
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T26S R37E SESW 660FSL 1980FWL		9. API Well No. 30-025-11982-00-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 recompleat 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 recompleat 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 WOULD LIKE TO REQUEST A TA APPROVAL FOR THE SOUTH LEONARD UNIT #001. THE WELL IS AN ACTIVE INJECTOR THAT DOES NOT DIRECTLY SUPPORT ANY CURRENT PRODUCTION. THE WELLBORE WILL BE TEMPORARILY ABANDONED IN THE FUTURE EVENT THAT UTILIZATION IS FOUND.

PROPOSED TA PROCEDURES:

1. POOH W/ RODS & TUBING.

2. SET CIBP @ 3150'

2A. Cement see COAs

3. TAG TOC.

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

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

SUBJECT TO LIKE
APPROVAL BY STATE

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #235546 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 (14CRW0112SE)

Name (Printed/Typed) TERRY B CALLAHAN

Title REGULATORY SPECIALIST III

Signature (Electronic Submission)

Date 02/13/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Title	APPROVED	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	MAR 21 2014	

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 **

MSB/OCD 3/26/2014

MAR 26 2014

	Location:
Location:	220 P.O. Box 1000
Address:	P.O. Box 1000
City:	
State:	
Country:	USA
Lat/Long:	33° 45' N 118° 15' W
Field:	South Louisiana Basin
	Elevation:
Alt:	
CD:	
RAIN:	
CD/Temp:	

[illegible]

FIG. 1

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000 10100 10200 10300 10400 10500 10600 10700 10800 10900 11000 11100 11200 11300 11400 11500 11600 11700 11800 11900 12000 12100 12200 12300 12400 12500 12600 12700 12800 12900 13000 13100 13200 13300 13400 13500 13600 13700 13800 13900 14000 14100 14200 14300 14400 14500 14600 14700 14800 14900 15000 15100 15200 15300 15400 15500 15600 15700 15800 15900 16000 16100 16200 16300 16400 16500 16600 16700 16800 16900 17000 17100 17200 17300 17400 17500 17600 17700 17800 17900 18000 18100 18200 18300 18400 18500 18600 18700 18800 18900 19000 19100 19200 19300 19400 19500 19600 19700 19800 19900 20000 20100 20200 20300 20400 20500 20600 20700 20800 20900 21000 21100 21200 21300 21400 21500 21600 21700 21800 21900 22000 22100 22200 22300 22400 22500 22600 22700 22800 22900 23000 23100 23200 23300 23400 23500 23600 23700 23800 23900 24000 24100 24200 24300 24400 24500 24600 24700 24800 24900 25000 25100 25200 25300 25400 25500 25600 25700 25800 25900 26000 26100 26200 26300 26400 26500 26600 26700 26800 26900 27000 27100 27200 27300 27400 27500 27600 27700 27800 27900 28000 28100 28200 28300 28400 28500 28600 28700 28800 28900 29000 29100 29200 29300 29400 29500 29600 29700 29800 29900 30000 30100 30200 30300 30400 30500 30600 30700 30800 30900 31000 31100 31200 31300 31400 31500 31600 31700 31800 31900 32000 32100 32200 32300 32400 32500 32600 32700 32800 32900 33000 33100 33200 33300 33400 33500 33600 33700 33800 33900 34000 34100 34200 34300 34400 34500 34600 34700 34800 34900 35000 35100 35200 35300 35400 35500 35600 35700 35800 35900 36000 36100 36200 36300 36400 36500 36600 36700 36800 36900 37000 37100 37200 37300 37400 37500 37600 37700 37800 37900 38000 38100 38200 38300 38400 38500 38600 38700 38800 38900 39000 39100 39200 39300 39400 39500 39600 39700 39800 39900 40000 40100 40200 40300 40400 40500 40600 40700 40800 40900 41000 41100 41200 41300 41400 41500 41600 41700 41800 41900 42000 42100 42200 42300 42400 42500 42600 42700 42800 42900 43000 43100 43200 43300 43400 43500 43600 43700 43800 43900 44000 44100 44200 44300 44400 44500 44600 44700 44800 44900 45000 45100 45200 45300 45400 45500 45600 45700 45800 45900 46000 46100 46200 46300 46400 46500 46600 46700 46800 46900 47000 47100 47200 47300 47400 47500 47600 47700 47800 47900 48000 48100 48200 48300 48400 48500 48600 48700 48800 48900 49000 49100 49200 49300 49400 49500 49600 49700 49800 49900 50000 50100 50200 50300 50400 50500 50600 50700 50800 50900 51000 51100 51200 51300 51400 51500 51600 51700 51800 51900 52000 52100 52200 52300 52400 52500 52600 52700 52800 52900 53000 53100 53200 53300 53400 53500 53600 53700 53800 53900 54000 54100 54200 54300 54400 54500 54600 54700 54800 54900 55000 55100 55200 55300 55400 55500 55600 55700 55800 55900 56000 56100 56200 56300 56400 56500 56600 56700 56800 56900 57000 57100 57200 57300 57400 57500 57600 57700 57800 57900 58000 58100 58200 58300 58400 58500 58600 58700 58800 58900 59000 59100 59200 59300 59400 59500 59600 59700 59800 59900 60000 60100 60200 60300 60400 60500 60600 60700 60800 60900 61000 61100 61200 61300 61400 61500 61600 61700 61800 61900 62000 62100 62200 62300 62400 62500 62600 62700 62800 62900 63000 63100 63200 63300 63400 63500 63600 63700 63800 63900 64000 64100 64200 64300 64400 64500 64600 64700 64800 64900 65000 65100 65200 65300 65400 65500 65600 65700 65800 65900 66000 66100 66200 66300 66400 66500 66600 66700 66800 66900 67000 67100 67200 67300 67400 67500 67600 67700 67800 67900 68000 68100 68200 68300 68400 68500 68600 68700 68800 68900 69000

Tubing Detail	
Inches	Description
	3.125"
Per Depth	
Yds Depth	3.125"

Point Detail (Rise up bottom)	
Feet	Description

Model E201	
Flow Gas	N ₂ , 200
Capacity (lb/dm ³)	
Conversion Interval	400 D-1
Boiling up	
TDCL	543'
Inside Size	
Depth	3250'

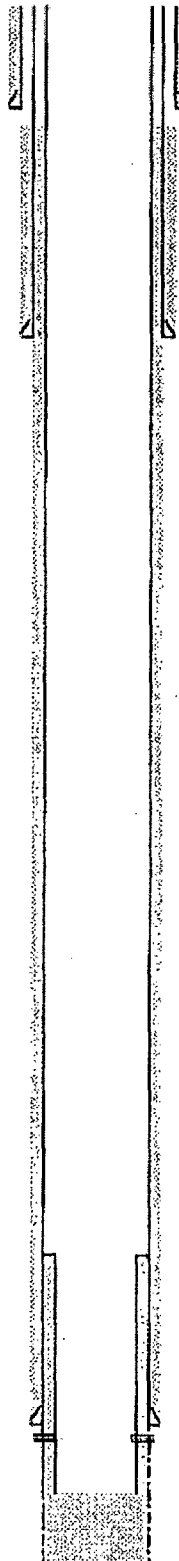
Well Name: South Leonard Unit #1

Location:	
Location:	660 FEL & 1980 FWL
Section:	N-13-26S-37E
Block:	
Survey:	
County:	San
Lat/Long:	32.0377933691254 -103.119700000000
Field:	South Leonard Green
Elevations:	
GL:	
SP:	
RRB:	
ck w/Log?	

Logistical Requirements:

Date	History
5/19/1950	Spud well. Ran surf csg: 10-3/4" csg set @ 239' cmt'd w/100 sas cement (cmt to surf)
7/11/1950	Ran intermediate csg: 5-5/8" csg set @ 1157' cmt'd w/20 sas cmt (TOC @ 1142')
8/10/1950	Ran prod csg: 7", 208 csg set @ 3250' cmt'd w/400 sas cmt. TOC @ 342'. Drilled to TD @ 3958'. PSTD @ 3974'.
9/1/1950	Well shot w/40 quarts of Fluoro-Glycerin from 3742-3770'. We3 cleaned well to TD @ 3770'.
9/16/1950	Well shot w/300 quarts of DuPont, FL 431 from 3423-3483'. Well cleaned itself to PSTD @ 3755'. Plugged back from 3996' to 3974'.
10/20/1950	Perf'd 3381-3474' (11 holes)
4/9/1969	RI, pulled rods and chg. Cleared out to 3500'. Logged well. Spotted 300 gal acid in open-hole. Set plr @ 3140'. Acidized w/2500 acid. Ran 103 lbs of 2-3/8" lbg. Set plr @ 3234'.
7/13/1972	Cleared out to PSTD @ 3464'. Ran 393.97' of 4-1/2", 9.5# liner. 1/1092'. Cmt'd w/200 sas cmt. TOC @ 3315'. Drilled out to TC @ 3434'. Perf'd 4-1/2" liner @ 3381, 35, 54, 56, 58, 3542, 57, 60, & 66. Ran 2-3/8" lbg w/plr @ 3230'. Acidized w/1000 gal acid. RD and start in)
9/25/1997	Log profile performed
5/29/1976	Pulled 4" phr, ran 2" lbg w/7" phr. Set @ 3040'.
5/19/1980	Casing survey performed
10/25/2004	MW performed, failed.

Current Wellbore Diagram



Well Name:	South Leonard Unit #1
API No:	100-025-11982
Spud Date:	
WHD Update:	3/5/2024 R. Williams

Hole Size:	10-3/4", 34.79
Surf Csg:	100 sas cmt
Cement Blend:	28"
Depth:	Cmt to surf
TOC:	

Hole Size:	5-5/8", 32"
Int Csg:	20 sas cmt
Cement Blend:	1157'
Depth:	1142'
TOC:	

Hole Size:	4-1/2", 9.5#, 1-55
Int Csg:	1/1092'. Cmt'd w/200 sas cmt. TOC @ 3315'. Drilled out to TC @ 3434'
Cement Blend:	
Depth:	Top @ 3252'
TOC:	

Details of Perforations and Acid Treatment

10/68 - Perf'd 3381-3474' (11 holes)
 7/72 - Perf'd 4-1/2" liner: 3381-3456'
 4/89 - Cleared out to 3500'. Logged well, spotted 300 gal acid in open-hole. Set plr @ 3140'. Acidized w/1500 acid. RD and start in).
 7/72 - Acidized w/1000 gal acid. RD and start in).

Tabling Detail	
Apices	Description
2-3/8"	
Plr Depth	
Thg Depth	1127'

Rod Detail (top to bottom)	
Rods	Description

Pumpjack Unit:

Hole Size:	7", 20M
2nd Csg:	
Capacity (bbl/h):	400 sas
Cement Blend:	
Return:	34"
TOC:	
Hole Size:	
Depth:	3250'

4-1/2" Liner Top @ 3093-3484' Cmt'd w/100 sas

Prod csg 7", 208 set @ 3250' - TOC @ 342'

Perf 3374-3181'

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 #1

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 3330'
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.