

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 14 2014

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.

5. Lease Serial No.
NMLC031844
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
FREN OIL COMPANY 2
9. API Well No.
30-015-05250
10. Field and Pool, or Exploratory
GRAYBURG JACKSON, SR-Q-G-S
11. County or Parish, and State
EDDY COUNTY, NM

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
LINN OPERATING INC
- Contact: TERRY B CALLAHAN
E-Mail: tcallahan@linnenergy.com

- 3a. Address
600 TRAVIS STREET, SUITE 5100
HOUSTON, TX 77002
- 3b. Phone No. (include area code)
Ph: 281-840-4272
Fx: 281-547-4646

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 19 T17S R31E Mer NMP SESW 660FSL 1980FWL
32.814600 N Lat, 103.911290 W Lon

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 checked="" type="checkbox"/> Plug and Abandon	<input 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.)

12/09/13 - MIRU plugging equipment. POH w/ rods & pump. Dug out cellar. ND WH & NUBOP. LD 64
jts tbq.

12/10/13 - RIH w/ tbq & tagged CIBP @ 2908'. Circ hole w/ mud laden fluid. Spotted 25 sx cement @
2908-2661'. POH w/ tbq to 2022'. Spotted 50 sx cmt @ 2022-1528'. POH w/ tbq. WOC. Tagged plug
1538'. Pressure tested csg & held 500 psi. Perf'd csg @ 1325'. Pressured up on csg held.

12/11/13 - RIH w/ tbq to 1375', spotted 24 sx cement @ 1375-1128'. POH w/ tbq. WOC. Tagged plug @
1090'. Perf'd csg @ 550'. Pressured up on csg & held. Perf'd csg @ 60'. RIH w/ tbq & spotted 65
sx cmt @ 600' to surface.

12/12/13 - Verified cmt at surface and rigged down and moved off.

**RECLAMATION
DUE 6-9-14**Accepted for record
VRS MRS 03/17/2014Accepted as to plugging of the well bore,
Liability under bond is retained until
Surface restoration is completed.

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

Electronic Submission #234493 verified by the BLM Well Information System
For LINN OPERATING INC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 03/07/2014 ()

Name (Printed/Typed) TERRY B CALLAHAN

Title REG COMPLIANCE SPECIALIST III

Signature (Electronic Submission)

Date 02/04/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE FOR RECORD

Approved By

Title

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

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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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #234493 that would not fit on the form:

32. Additional remarks, continued

12/16/13 - Moved in welder and helper. Cut off wellhead. Welded plate and Underground Dry Hole Marker. Backfilled cellar. Cut off and removed deadmen. Moved off.

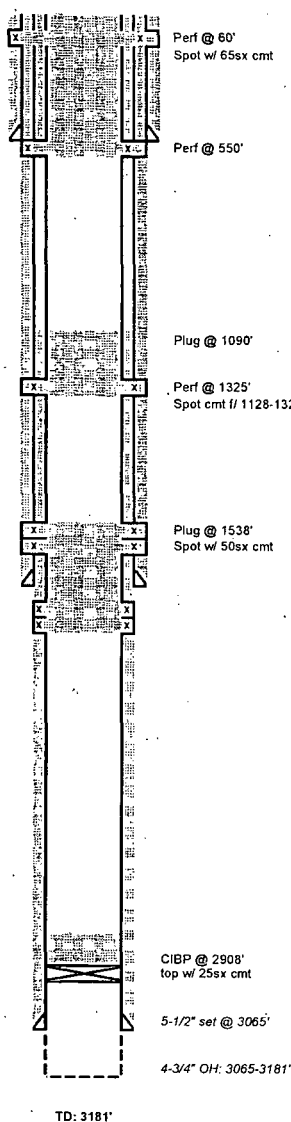
Well Name: Fren Oil Company #002	
Location:	
Location:	660 FSL & 1980 FWL
Section:	N-19-17S-31E
Block:	
Survey:	
County:	Eddy
State:	NM
Lat/Long:	32.814600 103.91129
Field:	Grayburg Jackson
Elevations:	
GL:	3581
DF:	
KB-GL Calc:	
ck wlog?	

Logging Requirements:

Date	History
10/22/1943	Ran 460' of 8-5/8" OD csg, 28# have been run and cmt'd w/ 50sx cmt and 50sx of mud pumped ahead of cmt.
11/6/1943	Run 7" OD csg, 20# to 1821'. Cmt'd w/ 100sx cmt preceded w/ heavy mud.
3/5/1950	Open hole jet shots at 1942-1950' w/ 2sp, 1950-1957' w/ 1sp & 1981-1989' w/ 1sp.
11/26/1954	Run string of 5-1/2", 14#, J-55 csg.
6/22/1972 - 7/5/72	Well was deepened from 3116' to 3181' (4-3/4" hole). Ran 96 jts of 2-3/8" tbg w/ tension pkr @ 2968'. Treated OH 3065-3181' w/ total of 3000gals 15% HCl acid in two stages. Injecting at rate of 100bwpd @ 200# TP.
9/2/1986	Closed tbg master valve and shut well in effective 9/2/86 pending evaluation.
2/25/2002	POOH w/ 2-3/8" tbg & pkr and LD. Clean out wellbore w/ bit & scraper to 3010'.
2/26/2002	Set 5-1/2" CIBP @ 3010'. Tested CIBP to 500psi for 30min. CIMP tested good. Circ wellbore full w/ pkr fluid and pack off wellhead.
1/7/2004	RIH & set pkr @ 1950' & circ to top perms @ 1935' & 1860'. Circ @ 15psi, no problems, RIH w/ WL retainer. Pmp'd 8bbls Class C cmt @ 14.8# 1bbl/min. Displaced, pulled out of ret and rev out 10.5bbls, got 1/2 to 1 bbl of cmt back. POOH w/ tbg, PU 5-1/2" ASI-X pkr & RIH & set @ 1701'. Pmp'd 8bbls Class C cmt, displaced w/ fresh water 13bbls.
1/9/2004	RIH w/ drill bit, tagged up cmt @ 1750'. Drilled out cmt & ret to 1940', fell out.
1/10/2004	Set cmt retainer (2nd sqz), pmp'd 50sx Class C cmt @ 1/2 bbl/min. Got to hold pressure @ 1500#, pulled out cmt ret.
1/12/2004	RIH w/ 5-1/2" drill bit, tagged cmt @ 1812', drilled up cmt and retainer. Fell out of cmt @ 1872'. Closed BOP, tested csg to 550psi. Held press for 15min. POOH w/ tbg.
1/13/2004	POOH & Perf 1722-1768' 4" 16 holes, 1792-1796' 4" 8 holes, 1799-1801' 2" 8 holes, 1810-1812' 2" 8 holes, 1820-1822' 2" 8 holes, 1873-1875' 2 holes, 1921-1925' 4" 16 holes, 1933-1937' 4" 16 holes, 1949-1954' 5" 20 holes, 1988-1972' 4" 16 holes.
1/14/2004	RIH w/ 5-1/2" pkr & set @ 1623'. RU CUDD pumping serv. Start on acid 5bbls/min. Pmp'd a total of 2000 gals 15% acid and dropped 1500# rock salt, flowed back to pit, SD.
1/15/2004	RIH w/ tbg & rods & pump.
2/22/2007	Sqz csg leaks at 1860', 1935' sqz w/ 15bbls class C cmt, 1862' pump 8bbls class C cmt, 1701' pump 6bbls class C cmt, 1820' pump 50sx class C cmt, 3010' CIBP capped w/ 20sx cmt. Perf Seven Rivers formation 1729-1972' w/ 156 holes.
PLA Procedures:	
12/9/2013	MIRU. Unseat pump-LD 78-3/4 rods and pump. Dig out cellar- 5-1/2" csg. POH- LD 64 jts 2-3/8" tbg, closed in well and SD.
12/10/2013	POOH w/ prod equipment and tag cement on top of CIBP @ 2908'- pump 70bbls mlf, spot 25sx class "c" cmt 2661-2968', LD tbg to 2022', spot 50sx class "C" cmt from 1528-2022'. Tag plugs @ 1538'. Perf @ 1325'.
12/11/2013	Spot cmt f/ 1128-1375'. POH stand back 600'- LD remainin tbg, ND BOP. RU- wireline, perf @ 550'. No ini rate, perf @ 60'. Cut off wellhead, RIH 600', spot 65sx class "C" cmt to surface.
12/16/2013	Drive to location- dig out cellar, weld plate/marker, remove dead men, clean location.

Updated:
2/4/2014 L. Willbanks

Current - P&A Wellbore Diagram



Well Name:	Fren Oil Company #002
API No:	30-015-05250
Spud Date:	10/2/1943
Prepared by:	Lena Willbanks
Date:	11/13/2013

Hole Size:	
Surf Csg:	8-5/8", 28#
Cement Blend:	50sx
Depth:	460'
TOC:	224' (Calc w/ 1.2 Cu Ft)

Hole Size:	
Int Csg:	7", 20#
Cement Blend:	100sx
Returns:	
Depth:	1821'
TOC:	131' (Calc w/ 1.2 Cu Ft)

Details of Perforations

1722-1768'	16 holes
1792-1801'	16 holes
1810-1822'	16 holes
1873-1875'	2 holes
1921-1937'	32 holes
1949-1972'	36 holes

Acid or Fracture Treatment Details

3065-3181'	3000 gals 15% HCl acid
1722-1972'	2000 gals 15% acid and 1500# rock salt

Hole Size:	
Prod Csg:	5-1/2", 15.5#, J-55
Capacity (bbl/ft):	
Cement Blend:	75sx
Returns:	
Depth:	3065'
TOC:	1194' (Calc w/ 1.2 Cu Ft)