

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.
NMLC029395B

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.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. TURNER B 101
2. Name of Operator LINN OPERATING INC		9. API Well No. 30-015-26695
3a. Address 600 TRAVIS STREET, SUITE 5100 HOUSTON, TX 77002	3b. Phone No. (include area code) Ph: 713-904-6657	10. Field and Pool, or Exploratory GRAYBURG JACKSON;SR-Q-G-S
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T17S R31E Mer NMP NWNW 990FNL 1150FWL 32.824565 N Lat, 103.896766 W Lon		11. County or Parish, and State EDDY 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input 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 recomple 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 recompletion 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.)

See COA

- Linn proposes the following procedures to recomple the Turner B 101:
- MIRU PU NDWH. NUBOP. POH W/ Prod Equip.
 - RIH w/ CIBP set at 2700', spot 25 sx cmt on top of CIBP
 - WOC
 - Pressure test csg to 500# for 30min, Call engr w/ results
 - RIH w/ bit and scraper to bottom
 - RIH w/ perf guns and Perf 1890-1970 w/2spf
 - Pump acid frac *TR*
 - Swab/flow back load
 - RIH w/production equipment and put on production

Accepted for record
NMOCD *TE 9/3/2013*

RECEIVED
SEP 03 2013
NMOCD ARTESIA

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Electronic Submission #216447 verified by the BLM Well Information System For LINN OPERATING INC, sent to the Carlsbad Committed to AFMSS for processing by JOHNNY DICKERSON on 08/09/2013 ()

Name (Printed/Typed) LAURA A MORENO Title REG COMPLIANCE ADVISOR

Signature (Electronic Submission) Date 08/08/2013

APPROVED

AUG 29 2013

[Signature]

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____

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 _____

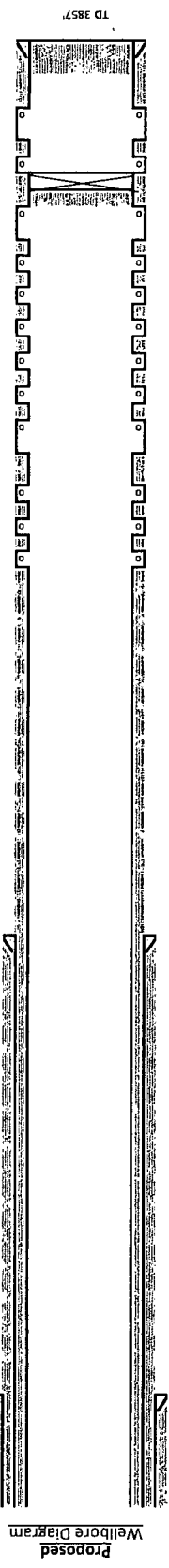
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Well Name: Turner B 101

Footage:	20
Section:	20
Block:	
Survey:	
County:	Eddy Co.
Lat/Long:	32.8245657898873 -103.98676902005
Field:	Grayburn/Jackson
Elevations:	
GL:	3656
KB:	3667
KB-GL Calc:	11
CK w/Log?	

Location: 0-20-175-31E 990 FNL 1150 FWL
 Location: Turner B 101
 Section: 20
 Block: 20
 Survey: Eddy Co.
 Lat/Long: 32.8245657898873 -103.98676902005
 Field: Grayburn/Jackson
 Elevations:
 GL: 3656
 KB: 3667
 KB-GL Calc: 11
 CK w/Log?

Date	History
6/7/1992	Dwg. 17 1/2" hole to 367'. Ran 356' of 1 3/8" 48# 1.55 csg set @ 367'. Cmt w/ 400 sxs Hall CI "C" cmt. Circ 108 sxs to pit.
6/9/1992	Dwg. 12 1/4" hole to 1246'. Ran 1235' of 8 5/8" 24# 1.55 csg set @ 1246'. Cmt w/ 800 sxs Hall CI "C" cmt. Circ 125 sxs to pit.
6/15/1992	Dwg. 7 7/8" hole to 3857'. Ran 3844' of 5 1/2" 14# 1.55 csg. Set @ 3856'. Cmt w/ 1100 sxs Hall CI "C" cmt. Circ 75 sxs to pit.
7/3/1992	Perf'd 16 holes w/ 1 1/2" 132# hole per ft. Perf'd 3031.33', 35', 37', 39', 44', 46', 48' 3586', 88', 90', 3741', 45', 95', 98', 3800'
7/13/1992	Swab 5 1/8" perf 3586' - 3590' (3 holes). Pump 300 gal 15% Nefe HCL acid. Swab 5 1/8" perf 3586' - 3590' (3 holes). Total 5 swab runs. 10% oil. Acidize Vacuum perf 3048' - 3049' (8 holes) w/ 1500 gal 15% Nefe acid. Swab Vacuum perf 3048' - 3049' (8 holes). Total 5 swab runs. 15% oil. Swab Vacuum perf 3048' - 3049' (8 holes). Total 5 swab runs. 15% oil. Waited 30 min. Final swab run 20-30% oilcut.
7/14/1992	Bled well down. Flowed 100% oil for 15 min from Vacuum perf 3031' - 3048'. Swab Vacuum perf 3031' - 3048' (101 8 holes). Total 5 swab runs. 15% oilcut. Frac Vacuum perf 3031' - 3048' (101 8 holes) w/ 1500 gal 15% Nefe acid. Swab Vacuum perf 3031' - 3048' (101 8 holes). Total 7 swab runs. 37.5% oilcut.
7/30/1992	Swab Vacuum zone - perf 3031' - 48' (8 holes). Total 9 swab runs. Final swab run, 27% oilcut. Acidize Vacuum perf 3031' - 3048' (101 8 holes) w/ 1500 gal 15% Nefe acid. Swab Vacuum zone after acidizing - perf 3031' - 3048' (101 8 holes). Total 7 swab runs. 37.5% oilcut.
7/18/1992	RH w/ prod tbg, rods and pump. RIF. 3048' w/ total interval treated going from 2991' - 3054'. W/ which frac sand had been layered. Log showed majority of limit had stayed in Vacuum perf 3031'.
7/16/1992	RH CIBP on 2 7/8" tbg & set @ 3700'. NEW PRTD 3700'. Ran after frac log to locate Iridium Tag and w/ 32 MCl Iridium 192. Max press 3070#, Avg press 2696#, Min press 2524#, ISP 2118# 20/40 and 8000# 12/20 sand. Flush to perf.
7/16/1992	W/ 15,000 gal crosslinked gel + 25,000# 20/40 sand & 8,000# 12/20 sand. Flush to perf. Acidize Vacuum perf 3030' - 3050'. w/ 15,000 gal crosslinked gel + 25,000# 20/40 sand & 8,000# 12/20 sand. Flush to perf.
8/21/1992	Tested 24 hrs. Pumped 48 B3, MCFG, 128 BW, 270 GOR, 39.1 Gravity. Csg press 65#. Producing from Grayburn - Vacuum 3031' 48" and Slaughter 3586' - 3800'.
8/21/1992	Pump Repair - Worn pump Looks like well was down from 1/1996 - 2/2000
10/30/00	RH & Perf'd 46 holes w/ 4 7/8" hole. Perf'd 2721', 43', 44', 44', 61', 92', 2800', 06', 35', 36', 37', 50', 61', 96', 2916', 24', 48', 52', 61', 72', 86', 90', 3096', 3104', 25', 41', 60', 66', 3311', 12', 20', 42', 48', 49', 55', 56', 57', 63', 66', 69', 92', 3416', 28', 29', 32', 36', 43'
05/03/00	Well on prod. Has Oil cut w/Gas. Acidize perfs 2721' - 2999' w/ 2500 gal 15% HCL acid & 706 gal wtr w/ 41 ball sealers. Tested perfs. Hang Acidize perfs (3030' - 3052') w/ 3000 gal 15% HCL acid & 3948 gal wtr. Acidize perfs (3030' - 3052') w/ 2500 gal 15% HCL acid & 3948 gal wtr.
05/27/00	Pump repair & LD 36 lbs Tbg due to corrosion. Polish rod parted & 1st ft of Tbg bent. Chaged out if and polished rod. RTP. Fish Polish Rod. Install motor drive. RTP.
03/01/02	Fish Polish Rod. Install motor drive. RTP.
12/14/04	TAD. Set CIBP. RH w/ CIBP @ 2671'. 50' above top perfs (2721'). RH w/ 2 sxs cmt - land on CIBP. Ran MIT w/ pump truck - witnessed by BLM rep. Held ok.



Proposed Wellbore Diagram

Item	Quantity	Notes
Cement Blend:	800 sxs Hall CI "C" cmt. Circ 125 sxs to pit	
Prod Csg:	5 1/2" 14# 1.55. ERW - RN63 STRC	
Capacity (bbbl/ft):	7.78'	
Hole Size:	5 1/2" 14# 1.55. ERW - RN63 STRC	
Returns:		
Cement Blend:	250 sxs Hal Lite cmt w/ 6Hsal/sx, 1/4# Floseal/sx, & 0.3%	
Prod Csg:	5 1/2" 14# 1.55. ERW - RN63 STRC	
Capacity (bbbl/ft):	7.78'	
Hole Size:	5 1/2" 14# 1.55. ERW - RN63 STRC	
Returns:		
Cement Blend:	850 sxs Hal prem plus cmt w/ 10 Microbond/sxs, 5% salt &	
Prod Csg:	3795' - 3800'	
Capacity (bbbl/ft):	3.71'	
Hole Size:	3795' - 3800'	
Returns:		

Rods	Description
	Rod Detail (top to bottom)

Joints	Description
	Tubing Detail

Details of Perforations	Perforation Data
Loco Hills:	2792', 2800', 06'
M. Grayburn:	2721', 43', 44'
Vacuum:	2999', 3030' - 3040' (40 holes), 3043' - 3052' (36 holes) 2948', 61', 72', 86', 90' 2896', 2918', 24'
L. Grayburn:	2835', 36', 37', 50', 61'
Meter:	
Perforation:	3031', 33', 35', 37', 39', 44', 46', 48', 96', 3104'
Location:	3125', 14', 60', 66'
U. Jackson:	3200'
M. Jackson:	3111', 12', 20', 42', 48', 49', 55', 56', 57', 63', 66', 69', 92'
Jackson:	3432', 36', 43'
Slaughter:	3586', 88', 90' (3 holes (7/3/92)) 3741', 45' (2 holes (7/3/92)) 3795', 98' 3800' (3 holes (7/3/92))

Surface	Perforation Data
Surface:	17 1/2"
Surf Csg:	13 3/8" 48# 1.55 csg @ 367'
Cement Blend:	400 sxs Hall CI "C" cmt w/ CaCl + 0.25% Floseal. Circ 108 sxs to pit
Returns:	
TOC:	

Surface	Perforation Data
Surface:	12 1/4"
Int Csg:	8 5/8" 24# 1.55 set @ 1246'
Cement Blend:	Cmt w/ 800 sxs Hall CI "C" cmt w/ 3% CaCl & 1/4# Floseal
Returns:	
TOC:	

Well Name:	Turner B 101, Federal/DH
API No:	30-015-26695
Spud Date:	6/7/1992
WBO Update:	6/24/12 B. BIRRE

**Turner B 101
30-015-26695
LINN Operating Inc.
August 29, 2013
Conditions of Approval**

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

Work to be completed by November 29, 2013.

- 1. Operator shall set CIBP at 2,670' and place 25sx on top. Tag required.**
- 2. Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.**
3. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
4. Surface disturbance beyond the originally approved pad must have prior approval.
5. Closed loop system required.
6. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
7. Operator to have H2S monitoring equipment on location.
8. A minimum of a 2000 (2M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
- 9. Subsequent sundry required detailing work done and completion report for the new formation. Operator to include well bore schematic of current well condition when work is complete.**

10. If recompletion is unsuccessful operator shall submit a sundry to plug and abandon the well within 60 days of recompletion attempt.

11. See attached for general requirements.

JAM 082913

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

General Requirements for Plug Backs

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from this approval.

If you are unable to plug back the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. **Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.