

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.***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: INJECTION		5. Lease Serial No NMLC029395A
2. Name of Operator LINN OPERATING INCORPORATED E-Mail: tcallahan@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
3b. Phone No. (include area code) Ph: 281-840-4272		8. Well Name and No TURNER A 35
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T17S R31E SENE 1800FNL 660FEL		9. API Well No 30-015-20097-00-S1
		10. Field and Pool, or Exploratory GRAYBURG
		11. County or Parish, and State EDDY COUNTY, NM

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

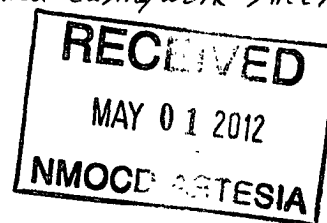
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Workover Operations
	<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 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 proposes to salvage the Turner A 35 injection well by running a slimline longstring (2-7/8") from 2595' to surface. The 2-7/8" will be cemented and used as the new production casing. The injection tubing will be 1.90", 2.4", L-80 IJ tubing with an ID of 1.65", Drift ID of 1.516", and and OD of 1.2110".

DOES NOT MEET minimum Standards (Clearance) see ATTACHED Casing WORK SHEET

Accepted for record
NMQCD



14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #132897 verified by the BLM Well Information System For LINN OPERATING INCORPORATED, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 03/14/2012 (12DLM0780SE)	
Name (Printed/Typed) TERRY B CALLAHAN	Title REGULATORY SPECIALIST III
Signature (Electronic Submission)	Date 03/13/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

DENIED		DUNCAN WHITLOCK	Date 04/29/2012
Approved By		Title LEAD PETROLEUM ENGINEERING TECH	
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 Carlsbad	

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 ****

Well Name: Turner A 35
 Location: H-19-17S-31E 1800 FNL
 Eddy County, NM
 AP# 30-015-28097

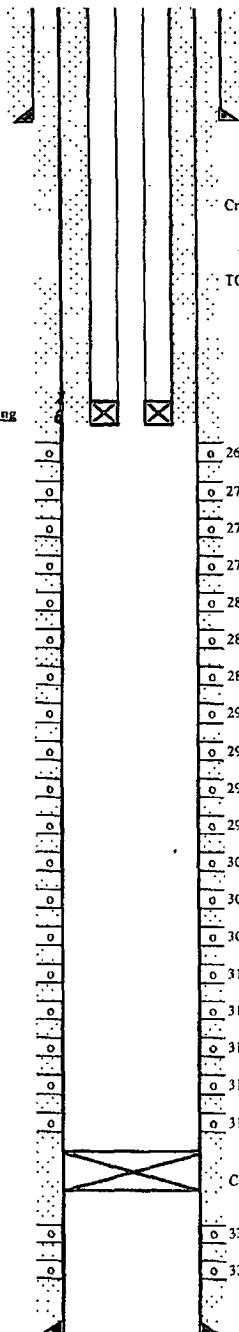
Proposed WBD

Date Prepared: 6/28/11
 Last Updated: 6/28/2011 D. Gonzale
 Spud Date: 12/2/67

GROUND:
 KB:
 PBTD: 3270'
 TD: 3635'

RR Date:
 Spud Date to RR Date:
 Completion Start Date:
 Completion End Date:
 Completion Total Days:
 Co-ordinates:

Surf Csg
 8 5/8" Csg
 Set @ 555'
 Cmt w/ 350 sxs
 TOC @ surf



Cmt from 1304' to 4'

TOC @ 1480'

Proposed Inj Packer
 Set @ 2595

6/15/2011
 Bad casing on 4-1/2"
 from 2619-2583'

Proposed Stimhole Casing

2-7/8", 6.5#, J-55
 TOL @ Surface
 BOL @ 2634'
 Cmt circ to surface

CIBP @ 3270'

Production Csg
 4-1/2" Csg
 Set @ 3635'
 Cmt w/ 390 sxs
 TOC @ 1480'

TD @ 3635'

12 1/4"
 7-7/8"
 Surface Casing (12/2/67)
 8-5/8" OD 20# SP-40 set @ 555' cmt w/ 350 sxs Incor CI C plus 2% CI Chl
 TOC @ Surf
 (5/16/97) Replaced top joint of 8-5/8" casing
 Production Casing (12/28/67)
 4-1/2" OD 9.5# J-55 set @ 3635'
 cmt w/ 390 sxs Incor CI C, 4% gel, 50-50 Poz A, 1/4" floccle per sx preceded by 500 gals mud sweep
 TOC @ 1480' - Temp surv
 (8/24/91) Ran 1" tubing down backside and pumped 450 sx of cmt to surface
 (5/16/97) Dug out and cut 4-1/2" casing and repaced top joint of 4-1/2" Casing
 Liner (Proposed)
 2-7/8", 6.5#, J-55, EUE Set @ 2634'
 Circulate Cement to surface
 Injection Tubing (Proposed)
 1.90", 2.4#, L-80 Integral Joint - (ID 1.650") (Drift ID 1.516") (OD of 1" 2.110")
 Arrowset Packer with on/off tool set @ 2625'

Notes:

Perforations:

5/12/1997

2679

2704, 09, 14

2730, 40, 43

2788, 91

2831, 36

2853

2865

2905, 07

2988, 90

3013, 16

3014

3126

3142, 46

3159

3173, 79

1/16/1968

Grayburg

2930, 31, 32, 33, 34,

2965, 73, 74, 75

Premier

3031, 32, 38, 40

3080, 81

Uscumt

3341, 42, 45, 47, 48,

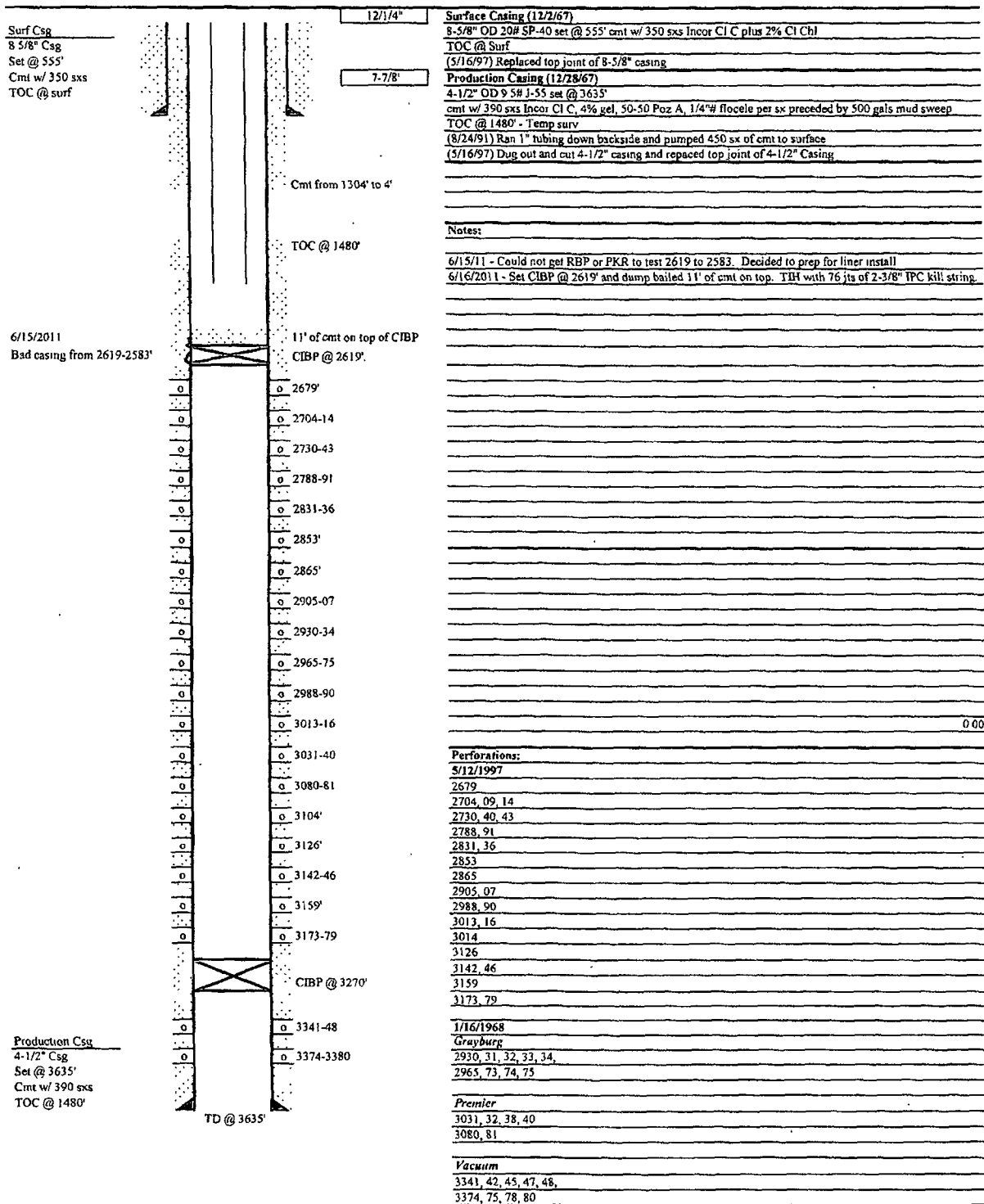
3374, 75, 78, 80

Well Name Turner A 35
Location H-19-17S-31E 1800 FNL
Eddy County, NM
API # 30-015-20097

GROUND
KB
PBDT 3270'
TD 3635'

Current Wellbore Schematic

Date Prepared 6/16/2011 K. Murphy
Last Updated D. Gonzales 6-28/11
Spud Date 12/2/67
RR Date
Spud Date to RR Date
Completion Start Date
Completion End Date
Completion Total Days
Co-ordinates



8 5/8 surface csg in a 12 1/4 inch hole.					<u>Design Factors</u>			SURFACE	
Segment	#/ft	Grade	Coupling	#N/A	Collapse	Burst		Length	Weight
"A"	20.00	SP 40	LT&C	#N/A	#N/A	#N/A		555	11,100
"B"								0	0
w/8.4#/g mud, 30min Sfc Csg Test psig: #N/A					Tail Cmt	does not	circ to sfc.	Totals:	555 11,100
<u>Comparison of Proposed to Minimum Required Cement Volumes</u>									
Hole	Annular	Proposed	CuFt Cmt	Min	Excess	Drilling	Calc	Req'd	Min Dist
Size	Volume	Sx Cmt	Proposed	Cu Ft	% Cmt	Mud Wt	MASP	BOPE	Hole-Cplg
12 1/4	0.4127	350	473	#N/A	#N/A	8.60	1089	2M	#N/A

4 1/2 casing inside the 8 5/8 casing.					<u>Design Factors</u>			INTERMEDIATE	
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	Weight	
"A"	9.50	J 55	ST&C	2.92	1.75	2.32	3,635	34,533	
"B"							0	0	
w/8.4#/g mud, 30min Sfc Csg Test psig. 1,480							Totals:	3,635	34,533
<u>The cement volume(s) proposed may achieve a top</u>					0	<u>feet from surface.</u>			
Hole	Annular	Proposed	CuFt Cmt	Min	Excess	Drilling	Calc	Req'd	Min Dist
Size	Volume	Sx Cmt	Proposed	Cu Ft	% Cmt	Mud Wt	MASP	BOPE	Hole-Cplg
6 1/8	0.0942	390	527	#N/A	#N/A	10.00	761	2M	0.56

2 7/8 casing inside the 4 1/2					<u>Design Factors</u>		<u>PRODUCTION</u>		
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	Weight	
"A"	6.50	J 55	EUE 8rd	5.82	5.73	5.41	2,634	17,121	
"B"							0	0	
w/8.4#/g mud, 30min Sfc Csg Test psig 1,500						Totals:	2,634	17,121	
<u>The cement volume(s) proposed may achieve a top</u>					0	<u>feet from surface.</u>			
Hole	Annular	Proposed	CuFt Cmt	Min	Excess	Drilling	Calc	Req'd	Min Dist
Size	Volume	Sx Cmt	Proposed	Cu Ft	% Cmt	Mud Wt	MASP	BOPE	Hole-Cplg
4	0.0422			127		9.80			0.17