

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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 checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC029435A
2. Name of Operator LINN OPERATING INCORPORATED E-Mail: tcallahan@linnenergy.com Contact: TERRY B CALLAHAN		6. If Indian, Allottee or Tribe Name
3a. Address 600 TRAVIS STREET SUITE 5100 HOUSTON, TX 77002	3b. Phone No. (include area code) Ph: 281-840-4272	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T17S R31E NENW 100FNL 2460FWL		8. Well Name and No. J L KEEL A 36
		9. API Well No. 30-015-28295-00-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 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 REQUESTS TO TA THE J L KEEL A 36 AS IT NOT CURRENTLY ECONOMIC AND WANT TO PRESERVE IT FOR FUTURE SAN ANDRES, GRAYBURG AND SEVEN RIVERS RECOMPLETION POTENTIAL.

PROPOSED TA PROCEDURES:

1. TEST RIG ANCHORS PRIOR TO RIGGING UP.
2. MIRU. CHECK ALL PRESSURES (TUBING, CASING, BRADEN HEAD)
3. BLEED OFF ANY PRESSURE AS NECESSARY. IF WELL IS FLOWING, FLOW BACK TO FRAC TANK OR VAC TRUCK. CONTACT ENGINEER IF PRESSURE DOES NOT DIE AND WELL NEEDS TO BE KILLED.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Accepted for record


NMOCD RE 8/20/14

RECEIVED

MAY 19 2014

14. I hereby certify that the foregoing is true and correct. Electronic Submission #238663 verified by the BLM Well Information System For LINN OPERATING INCORPORATED, sent to the Carlsbad Committed to AFMSS for processing by ANGEL MAYES on 05/02/2014 (14AXM0040SE)		NMOCD ARTESIA
Name (Printed/Typed) TERRY B CALLAHAN	Title REG COMPLIANCE SPECIALIST	
Signature _____ (Electronic Submission)		Date 03/13/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By  (BLM Approver Not Specified)	Title SEPS	Date 05/09/2014
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.

Additional data for EC transaction #238663 that would not fit on the form

32. Additional remarks, continued

4. NU 5000# BOP.
5. UNSET TAC AND POOH.
6. RIH W/ CIBP AND SET AT 2800'. PRESSURE UP TO 500# AND CHECK FOR LEAKS.
7. PUMP 25 SXS CLASS C CMT.
8. WOC AND TAG.
9. PRESSURE UP ON CSG TO 500# FOR 30 MIN AND CHECK FOR LEAKS, CIRC PKR FLUID.
10. RDMO. *BLM*
12. NOTIFY ~~CCD~~ AND PERFORM MIT.

(PROPOSED AND CURRENT WELLBORE DIAGRAMS ATTACHED)



Proposed TA (NM)

Well Name: KEEL J L A 36

API/UWI 3001528295	Field Name PB-GRAYBURG	County Eddy	State/Prov NM	Section 7	Township 017-S	Range 031-E	Survey	Block
Ground Elevation (ft) 3,763.00	Orig KB Elev (ft)	KB-Grd (ft)	Initial Spud Date 5/6/1995	Rig Release Date	TD Date 5/13/1995	Latitude (")	Longitude (")	Operated? Yes

Original Hole: 3/12/2014 12:44:47 PM

Original Hole Data

Location & Lat/Long

NS Dist (ft) 100.0	NS Flag FNL	EW Dist (ft) 2,460.0	EW Flag FWL	Latitude (") 32° 51' 21.64" N	Longitude (") 103° 54' 31.59" E
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Wellbore Sections

Start Date 5/6/1995	Section Description Surface	Size (in) 12 1/4	Act Btm (ftKB) 439.0
Start Date 5/13/1995	Section Description Production	Size (in) 7 7/8	Act Btm (ftKB) 4,025.0

Depth (ftKB) 4,025.0	Total Depth
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Casing Strings

Run Date 5/6/1995	Casing Description Surface	Set Depth (ftKB) 439.0	OD (in) 8 5/8
Run Date 5/13/1995	Casing Description Production	Set Depth (ftKB) 4,024.0	OD (in) 5 1/2

Cement Stages

Start Date 5/6/1995	Description Surface Casing Cement	Top (ftKB) 0.0	Btm (ftKB) 439.0	Comment Circ 650sxs to surface
Start Date 5/13/1995	Description Production Casing Cement	Top (ftKB) 0.0	Btm (ftKB) 4,024.0	Comment Circ 1850sxs to surface

Proposed TA Procedure

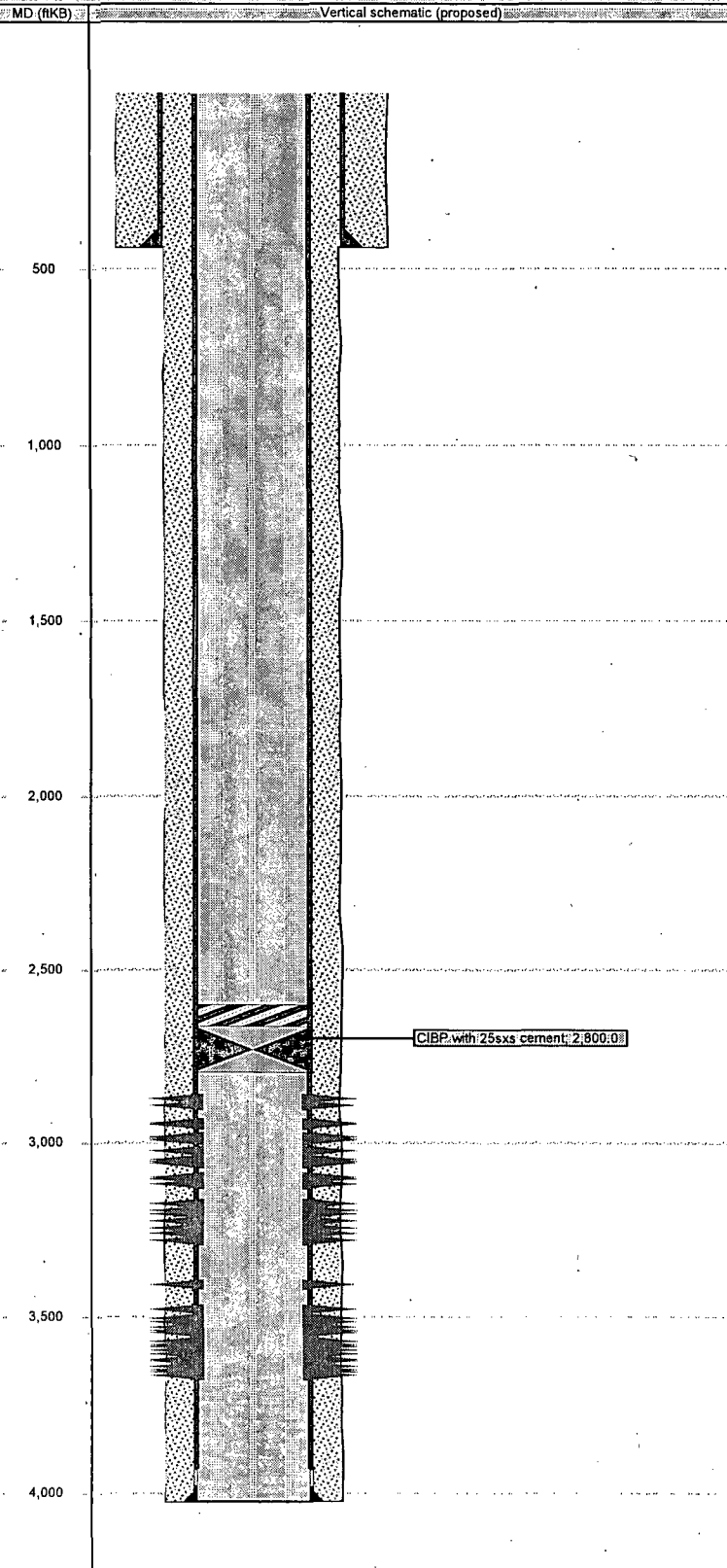
We plan to TA this well as it is not currently economic and want to preserve it for future San Andres, Grayburg and Seven Rivers recompletion potential.

TA Procedure:

1. Test rig anchors prior to rigging up.
2. MIRU. Check all pressures (tubing, casing, braden head)
3. Bleed off any pressure as necessary. If well is flowing, flow back to frac tank or vac truck. Contact engineer if pressure does not die and well needs to be killed.
4. NU 5000# BOP
5. Unset TAC and POOH
6. RIH w/ CIBP and set at 2800', Pressure up to 500# and check for leaks
7. Pump 25 SXS Class C Cmt
8. WOC and Tag
9. Pressure up on csg to 500# for 30 min and check for leaks, circulate pkr fluid
10. POOH Lay down tubing
11. RDMO
12. Notify ocd and perform MIT

Cemented Bridge Plug

Des	Btm (ftKB)
CIBP with 25sxs cement	2,800.0





Current Well Schematic (NM)

Well Name: KEEL J L A 36

API/UWI 3001528295	Field Name PB-GRAYBURG	County Eddy	State/Prov NM	Section 7	Township 017-S	Range 031-E	Survey	Block
Ground Elevation (ft) 3,763.00	Orig KB Elev (ft)	KB-Grd (ft)	Initial Spud Date 5/6/1995	Rig Release Date	TD Date 5/13/1995	Latitude (")	Longitude (")	Operated? Yes

Original Hole: 3/12/2014, 12:44:34 PM			Location & Lat/Long					
MD (ftKB)	Vertical schematic (actual)		NS Dist (ft)	NS Flag	EW Dist (ft)	EW Flag	Latitude (")	Longitude (")
0.0			100.0	FNL	2,460.0	FWL	32° 51' 21.64" N	103° 54' 31.59" E
16.1			Wellbore Sections:					
42.0			Start Date		Section Description		Size (in)	Act Btm (ftKB)
45.9			5/6/1995		Surface		12 1/4	439.0
420.9			Start Date		Section Description		Size (in)	Act Btm (ftKB)
439.0			5/13/1995		Production		7 7/8	4,025.0
1,245.1			Depth (ftKB)		Annotation			
2,515.1			4,025.0		Total Depth			
2,600.1			Casing Strings					
2,799.9			Run Date		Casing Description		Set Depth (ftKB)	OD (in)
2,815.0			5/6/1995		Surface		439.0	8 5/8
2,815.9			Run Date		Casing Description		Set Depth (ftKB)	OD (in)
2,832.0			5/13/1995		Production		4,024.0	5 1/2
2,844.2			Cement Stages					
2,871.1			Description		Top Depth (ftKB)		Btm (ftKB)	Comment
2,873.0			Surface Casing		0.0		439.0	Circ 650sxs to surface
2,891.1			Cement					
2,944.9			Comment					
2,946.9			Lead w/ 300sx PSL "C" + 2% CaCl + 1/4 #/sk Celloseal. Tail w/ 200sx C + 2% CaCl2.					
2,949.1			Description		Top Depth (ftKB)		Btm (ftKB)	Comment
2,984.9			Production Casing		0.0		4,024.0	Circ 1850sxs to surface
2,991.1			Cement					
2,993.1			Comment					
3,024.9			Lead w/500sx PSL "C" + 4% Ataclay + 10% Salt +1/4 #/sk Celloseal + 5 #/sk Gil. Followed w/ 1000sx PSL (C) + 4% Ataclay + 10% salt + 1/4 #/sk Celloseal. Tail in w/ 350sx 10/0 Thixad (H) + 1/4 #/sk Celloseal.					
3,050.9			Perforations					
3,053.1			Date	Top (ftKB)	Btm (ftKB)	Com		
3,061.0			5/29/1995	2,871.0	2,871.0	1 hole		
3,101.0			5/29/1995	2,873.0	2,873.0	1 hole		
3,107.0			5/29/1995	2,891.0	2,891.0	1 hole		
3,118.1			5/29/1995	2,945.0	2,945.0	1 hole		
3,178.1			5/29/1995	2,947.0	2,947.0	1 hole		
3,194.9			5/29/1995	2,949.0	2,949.0	1 hole		
3,208.0			5/29/1995	2,985.0	2,985.0	1 hole		
3,228.0			5/29/1995	2,991.0	2,991.0	1 hole		
3,245.1			5/29/1995	2,993.0	2,993.0	1 hole		
3,247.0			5/29/1995	3,025.0	3,025.0	1 hole		
3,249.0			5/29/1995	3,051.0	3,051.0	1 hole		
3,264.1			5/29/1995	3,053.0	3,053.0	1 hole		
3,283.1			5/29/1995	3,061.0	3,061.0	1 hole		
3,410.1			5/29/1995	3,101.0	3,101.0	1 hole		
3,477.0			5/29/1995	3,107.0	3,107.0	1 hole		
3,479.0			5/29/1995	3,119.0	3,119.0	1 hole		
3,481.0			5/29/1995	3,178.0	3,178.0	1 hole		
3,504.9			5/29/1995	3,195.0	3,195.0	1 hole		
3,512.1			5/29/1995	3,208.0	3,208.0	1 hole		
3,514.1			5/29/1995	3,229.0	3,229.0	1 hole		
3,529.9			5/29/1995	3,245.0	3,245.0	1 hole		
3,540.0			5/29/1995	3,247.0	3,247.0	1 hole		
3,544.0			5/29/1995	3,249.0	3,249.0	1 hole		
3,567.9			5/29/1995	3,264.0	3,264.0	1 hole		
3,581.0			5/29/1995	3,283.0	3,283.0	1 hole		
3,586.9			5/27/1995	3,410.0	3,410.0	1 hole		
3,597.1			5/27/1995	3,477.0	3,477.0	1 hole		
3,604.0			5/27/1995	3,479.0	3,479.0	1 hole		
3,619.1			5/27/1995	3,481.0	3,481.0	1 hole		
3,624.0			5/27/1995	3,505.0	3,505.0	1 hole		
3,626.0			5/27/1995	3,512.0	3,512.0	1 hole		
3,639.1			Production Casing Cement; 0.0-4,024.0; 5/13/1995; Circ 1850sxs to surface 5 1/2; Production; Casing; 4,024.0					
3,651.9			TD - Original Hole: 4,025.0					
3,658.1								
3,668.0								
3,756.9								
3,931.1								
3,977.0								
4,024.0								
4,024.9								



Current Well Schematic (NM)

Well Name: KEEL J L A 36

API/UWI 3001528295	Field Name PB-GRAYBURG	County Eddy	State/Prov NM	Section 7	Township 017-S	Range 031-E	Survey	Block
Ground Elevation (ft) 3,763.00	Orig KB Elev (ft)	KB-Grd (ft)	Initial Spud Date 5/6/1995	Rig Release Date	TD Date 5/13/1995	Latitude (°)	Longitude (°)	Operated? Yes

Original Hole: 3/12/2014; 12:44:35 PM			Perforations			
MD (ftKB)	Vertical schematic (actual)		Date	Top (ftKB)	Btm (ftKB)	Com
0.0			5/27/1995	3,514.0	3,514.0	1 hole
16.1			5/27/1995	3,530.0	3,530.0	1 hole
42.0			5/27/1995	3,540.0	3,540.0	1 hole
45.9			5/27/1995	3,544.0	3,544.0	1 hole
420.9			5/27/1995	3,568.0	3,568.0	1 hole
439.0			5/27/1995	3,581.0	3,581.0	1 hole
1,245.1			5/27/1995	3,587.0	3,587.0	1 hole
2,515.1			5/27/1995	3,597.0	3,597.0	1 hole
2,600.1			5/27/1995	3,604.0	3,604.0	1 hole
2,799.9			5/27/1995	3,619.0	3,619.0	1 hole
2,815.0			5/27/1995	3,624.0	3,624.0	1 hole
2,815.9			5/27/1995	3,626.0	3,626.0	1 hole
2,832.0			5/27/1995	3,639.0	3,639.0	1 hole
2,844.2			5/27/1995	3,652.0	3,652.0	1 hole
2,871.1			5/27/1995	3,658.0	3,658.0	1 hole
2,873.0			Acid Frac on 5/27/1995 00:00			
2,891.1			Comment			
2,944.9			Acidz w/ 2000 gals 15% HCl acid. Frac'd w/ 27,500 gals gel + 73,000# 20/40 Brady sand + 16,000# SLC resin coated sand.			
2,946.9			Min Top Depth (ftKB)	3,410.0	Max Btm Depth (ftKB)	3,668.0
2,949.1			Acid Frac on 5/29/1995 00:00			
2,984.9			Comment			
2,991.1			Acidz w/ 2400 gals 15% HCl acid. Frac'd w/ 36,000 gals gel + 96,000# 20/40 Brady Sand + 24,000 resin coated sand.			
2,993.1			Min Top Depth (ftKB)	2,871.0	Max Btm Depth (ftKB)	3,283.0
2,993.1			Acidizing on 10/27/1999 00:00			
3,024.9			Comment			
3,050.9			Acidz w/ 1242 gals 15% HCl acid.			
3,053.1			Min Top Depth (ftKB)	3,410.0	Max Btm Depth (ftKB)	3,668.0
3,061.0			Acidizing on 10/27/1999 00:00			
3,101.0			Comment			
3,107.0			Acidz w/ 1558 gals 15% HCl acid.			
3,119.1			Min Top Depth (ftKB)	2,871.0	Max Btm Depth (ftKB)	3,283.0
3,178.1			Tubing Strings			
3,194.9			Run Date	11/7/2011	Pull Date	
3,208.0			Tubing Description		Set Depth (ftKB)	
3,229.0			Tubing - Production		3,757.0	
3,245.1			Item Des	Len (ft)	Jts	OD (in)
3,247.0			Tubing	3,757.00	2	2 7/8
3,249.0						2.441
3,264.1						J-55
3,283.1						6.50
3,410.1			Rod Strings			
3,477.0			Run Date	3/21/2012	Pull Date	
3,479.0			Rod Description		Set Depth (ftKB)	
3,481.0			Rod		2,844.0	
3,504.9			Item Des	Jts	Len (ft)	OD (in)
3,512.1			Liner		16.00	1 1/2
3,514.1			Polished Rod		26.00	1 1/4
3,529.9			Pony Rod		4.00	7/8
3,540.0			Sucker Rod	48	1,199.00	7/8
3,544.0			Sucker Rod	51	1,270.00	7/8
3,567.9			Sucker Rod	12	300.00	3/4
3,581.0			Lift Sub		1.00	1
3,586.9			Rod Pump		16.00	1 1/2
3,597.1			Gas Anchor		12.00	1 1/4
3,604.0			Production Casing Cement; 0.0-4,024.0; 5/13/1995; Circ 1850sxs to surface			
3,619.1			5 1/2; Production; Casing; 4,024.0			
3,624.0			TD - Original Hole; 4,025.0			
3,626.0						
3,639.1						
3,651.9						
3,658.1						
3,668.0						
3,756.9						
3,931.1						
3,977.0						
4,024.0						
4,024.9						

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.
 - 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 with a 10% allowable leakoff.
 - 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.**

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.