

Type or print only

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Notice of Intention to Plug and Abandon

Operators must comply with RRC plugging procedures as outlined on the reverse side.

1. Operator's Name and Address (Exactly as shown on Form P-5, Organization Report)  Ring Energy, Inc PO Box 11350 Midland, TX 79702			3. RRC District No.  08	4. County of Well Site  Andrews																																																									
			5. API No.  42-003-33125	6. Drilling Permit No.  N/A																																																									
2. RRC Operator Number 712382			7. Rule 37 Case No.	8. Oil Lease No. or Gas Well ID No.  29524																																																									
				9. Well No.  1907																																																									
10. Field Name (Exactly as shown on RRC records) Shafter Lake (San Andres)			11. Lease Name UNIVERSITY BLOCK 14 CONS.																																																										
12. Location • Section No. 19 Block No. 14 Survey ULS No. Abstract No. A- U459 • Distance (in miles) and direction from a nearby town in this county (name the town). 9 Miles NW of Andrews, Tx																																																													
13. Type of well 1. oil 3. disposal 5. other (specify) 2. gas 4. injection Enter appropriate no. in box 1			14. Type of completion Single <input checked="" type="checkbox"/> Multiple <input type="checkbox"/>																																																										
15. Total depth TD:4950' / PB:4920'																																																													
16. Usable-quality water strata (as determined by Texas Dept. of Water Resources) occur to a depth of 300' feet and in deeper strata from 1200' to 1700' feet; and from _____ to _____ feet																																																													
17. • If there are wells in this area which are producing from or have produced from a shallower zone, state depth of zone _____ • If there are wells into which salt water is being or has been disposed of into a shallower zone, state depth of zone _____																																																													
18. Casing record (list all casing in well)																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Size</th> <th rowspan="2">Depth</th> <th rowspan="2">Cement (sacks)</th> <th rowspan="2">Drilled hole size</th> <th rowspan="2">Top of cement (feet)</th> <th colspan="3">Top of cement determined by:</th> <th rowspan="2">Anticipated casing recovery (feet)</th> </tr> <tr> <th>Temper. Survey</th> <th>Calculated</th> <th>Cement Bond Log</th> </tr> </thead> <tbody> <tr> <td>8 5/8" set @</td> <td>1706' w/</td> <td>800</td> <td>12 1/4"</td> <td>Surface</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>5 1/2" set @</td> <td>4948' w/</td> <td>1000</td> <td>7 7/8"</td> <td>Surface</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>_____ set @</td> <td>_____ w/</td> <td>_____</td> <td>_____</td> <td>_____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>_____ set @</td> <td>_____ w/</td> <td>_____</td> <td>_____</td> <td>_____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>_____ set @</td> <td>_____ w/</td> <td>_____</td> <td>_____</td> <td>_____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> </tbody> </table>					Size	Depth	Cement (sacks)	Drilled hole size	Top of cement (feet)	Top of cement determined by:			Anticipated casing recovery (feet)	Temper. Survey	Calculated	Cement Bond Log	8 5/8" set @	1706' w/	800	12 1/4"	Surface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 1/2" set @	4948' w/	1000	7 7/8"	Surface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		_____ set @	_____ w/	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		_____ set @	_____ w/	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		_____ set @	_____ w/	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Size	Depth	Cement (sacks)	Drilled hole size	Top of cement (feet)						Top of cement determined by:				Anticipated casing recovery (feet)																																															
					Temper. Survey	Calculated	Cement Bond Log																																																						
8 5/8" set @	1706' w/	800	12 1/4"	Surface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																						
5 1/2" set @	4948' w/	1000	7 7/8"	Surface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																						
_____ set @	_____ w/	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																						
_____ set @	_____ w/	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																						
_____ set @	_____ w/	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																						
19. Has notice of intent to plug been filed previously for this well? <input type="checkbox"/> Yes / / <input checked="" type="checkbox"/> No Mo. Day Yr.																																																													
20. Plugging proposal (List all bridge and cement plugs. Load the hole with at least 9.5 lbs. per gallon mud.)																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No. of sacks</th> <th>Depth In feet (top &amp; bottom)</th> </tr> </thead> <tbody> <tr> <td>1. 3 dumpbail</td> <td>5-1/2" CIBP @ 4621' WOI/Ty</td> </tr> <tr> <td>2. 20</td> <td>3000 - 2800</td> </tr> <tr> <td>3. 75</td> <td>1800 - 1650 Perf/Sqz TAG</td> </tr> <tr> <td>4. 40</td> <td>1250 - 1150 Perf/Sqz</td> </tr> <tr> <td>5. 40</td> <td>350 - 250 Perf/Sqz</td> </tr> <tr> <td>6. 10</td> <td>13-3' Surface Plug</td> </tr> <tr> <td>7. _____</td> <td>_____</td> </tr> <tr> <td>8. _____</td> <td>_____</td> </tr> </tbody> </table>					No. of sacks	Depth In feet (top & bottom)	1. 3 dumpbail	5-1/2" CIBP @ 4621' WOI/Ty	2. 20	3000 - 2800	3. 75	1800 - 1650 Perf/Sqz TAG	4. 40	1250 - 1150 Perf/Sqz	5. 40	350 - 250 Perf/Sqz	6. 10	13-3' Surface Plug	7. _____	_____	8. _____	_____																																							
No. of sacks	Depth In feet (top & bottom)																																																												
1. 3 dumpbail	5-1/2" CIBP @ 4621' WOI/Ty																																																												
2. 20	3000 - 2800																																																												
3. 75	1800 - 1650 Perf/Sqz TAG																																																												
4. 40	1250 - 1150 Perf/Sqz																																																												
5. 40	350 - 250 Perf/Sqz																																																												
6. 10	13-3' Surface Plug																																																												
7. _____	_____																																																												
8. _____	_____																																																												
21. Record of perforated intervals or open hole																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Perforations</th> <th>Open</th> <th>Plugged</th> <th>Plugging method</th> </tr> </thead> <tbody> <tr> <td>4631' - 4793' ✓</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>_____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>_____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>Open Hole</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> </tr> </tbody> </table>					Perforations	Open	Plugged	Plugging method	4631' - 4793' ✓	<input type="checkbox"/>	<input type="checkbox"/>		_____	<input type="checkbox"/>	<input type="checkbox"/>		_____	<input type="checkbox"/>	<input type="checkbox"/>		Open Hole	<input type="checkbox"/>	<input type="checkbox"/>																																						
Perforations	Open	Plugged	Plugging method																																																										
4631' - 4793' ✓	<input type="checkbox"/>	<input type="checkbox"/>																																																											
_____	<input type="checkbox"/>	<input type="checkbox"/>																																																											
_____	<input type="checkbox"/>	<input type="checkbox"/>																																																											
Open Hole	<input type="checkbox"/>	<input type="checkbox"/>																																																											
22. Name and address of cementing company or contractor  TBD																																																													
23. Anticipated plugging date for this well is: 03 / 01 / 21 Mo. Day Yr.																																																													
Jeanette Serna Typed or printed name of operator's representative 432-682-7464 Telephone: Area Code Number Date: Mo. Day Yr.																																																													
Regulatory Tech. Title of person Signature Date: Mo. Day Yr.																																																													



Expiration date

RRC District Office Action  
09 / 30 / 2021  
Mo. Day Yr.

District Director

Date



## GROUNDWATER PROTECTION DETERMINATION

RECEIVED  
RRC OF TEXAS

Form GW-2

## Groundwater Advisory Unit

FEB 23 2021

O&G  
Midland**Date Issued:** 08 January 2019**GAU Number:** 228981**Attention:** RING ENERGY, INC.  
PO BOX 11350  
MIDLAND, TX 79702**API Number:** 00343918  
**County:** ANDREWS  
**Lease Name:** UNIVERSITY BLOCK 14 CONS.**Operator No.:** 712382**Lease Number:** 29524  
**Well Number:** 1917H  
**Total Vertical Depth:** 4950  
**Latitude:** 32.428599  
**Longitude:** -102.688974  
**Datum:** NAD27**Purpose:** Plug and Abandon (P&A)**Location:** Survey-UL; Abstract-U459; Block-14; Section-19

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:

The interval from the land surface to a depth of 300 feet, and the zone from 1200 to 1700 feet must be protected.

This recommendation is applicable for all wells drilled in this Section 19.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Unless stated otherwise, this recommendation is for normal drilling, production, and plugging operations only.

This determination is based on information provided when the application was submitted on 01/07/2019. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

Groundwater Advisory Unit, Oil and Gas Division

Form GW-2  
Rev. 02/2014

P.O. Box 12967 Austin, Texas 78771-2967

512-463-2741

Internet address: [www.rrc.texas.gov](http://www.rrc.texas.gov)

IPC Inj Tbg 2.375"  
?, ? lb/ft  
? jts

TOC @ Surf

Prod csg TOC @ 2200'  
by Temp Survey

8.625" @ 1706'

Packer @ 4589'  
EOT @ 4589'

4631' to 4832'

PBTD: @ 4834'  
5.5" @ 4949'

<b>WELL NAME:</b> Univ Blk 14 Cons 1907 INJ (aka "A" 14-19 #7)		<b>FIELD:</b> Shafter Lake (San Andres)		<b>LEASE #:</b> 27170								
<b>STATE:</b> Texas		<b>COUNTY:</b> Andrews		<b>LOCATION:</b> Sec 19, Blk 14, 1980' FNL & 1980' FWL								
<b>API NO:</b> 42-003-33125		<b>SPUD DATE:</b> 2/25/1982		<b>FORMATION:</b> Univ Lands Survey								
<b>TD:</b> 4949'		<b>PBTD:</b> 4834' 11/17/2011		<b>ELEVATION:</b> 3212' <b>KB:</b> 12'								
PIPE RECORD								CEMENT & HOLE DATA				
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEPTH	SX	WT.	TOC
Surf	8.625"	K-55	8 Rd STC	24.00#	Surf	1706'	29	12.250"		600	C	Surf
Prod	5.500"	K-55	8 Rd STC/LTC	15.50#	Surf	4949'	120	7.875"		200	C	
IPC Inj Tbg	2.375"	?	?	?		4589'	?			800	C	2200'
Packer						4589'				200	C	
<b>HISTORY:</b> 2/25/1982 Spud & TD on 3/4/82 3/10/1982 Perf (1 spf) 4773, 75, 77, 79, 81, 83, 85, 87, 89, 91 x 93 (11 holes) 3/11/1982 Spot 4 BBL acid across perfs x 2K gal 15% NEFE @ 3 BPM; broke @ 1800 psi; ISIP 700 psi; 3/13/1982 Perf (1 spf) 4631, 33, 35, 37, 49, 41, 43, 45, 50, 52, 54, 59, 61, 63, 65, 67, 69, 71, 73, 83, 85, 87, 89, 91, 93, 95, 97, 99, 4701, 06, 08, 10 x 12 (33 holes) Acidz 5K gal 15% NEFE; broke @ 1800 psi; ISIP 800 psi; 3/14/1982 Western pmp frac w/ 50K gal Apollo 40 Xlink x 17K lb 20/40 sn x 120K lb 10/20 sn; Avg Q 30 BPM; 0.682 BBL/perf; Avg TP 1600 psi; ISIP 1800 psi; Fg 0.822 psi/ft 3/17/1982 Put on rod pmp; 3/31/1982 33 BOPD x 101 BWPD 12/9/2002 Well not pmping; space out well; RTP; 4/20/2006 Pull rod came unscrewed; repair x re-hang well; RTP; 4/27/2006 Pmp 1K 15% HCl w/ anti-sludge blend; well on vacuum; 1/16/2007 Pmp 1K 15% HCl w/ anti-sludge blend; well on vacuum; 1/4/2008 Hot oil tbg for paraffin; tag fill @ 4822'; HIT in tbg jt #46; bail well to 4832'; 1/9/2008 Perf (2 spf) 4714-26 x 4734-41 x 4752-72 x 4807-32 1/11/2008 BJ acidz w/ 3K gal 15% HCl x rock salt; frac w/ 151K gal Xlink gel x 11.9K lb 20/40 sn x 26K lb 14/30 LiteProp (25; Avg Q 37 BPM (0.27 BPM/perf); Avg TP 1600 psi; ISIP 788 psi; Fg 0.60 psi/ft 1/30/2008 Finish RIH w/ equip; RTP; 2/1/2008 Well stopped pmping; trt tbg w/ hot oil; ruptured tbg during testing; 2/6/2008 RIH w/ rods x tbg; RTP; 2/12/2008 Pmp 1/2 drum PAW3900 x 25 BBL Prod Wtr x 4 drums XC120 in 130 BBL Prod Wtr; RTP; 7/24/2008 HIT 49th jt; LD 18 bad jts; RTP; 2/9/2009 Pmp bacteria tmt as scheduled; 3/2/2009 Parted valve rod in pmp; all 3/4" boxes heavily corroded; heavy paraffin; trt tbg w/ hot oil; replace 1 jt tbg due to corrosion; RTP on 3/4/2009 11/17/2011 Well not pmping; replace PR; hot oil tbg; RIH x tag btm @ 4834'; RTP on 11/21/11 5/1/2012 HIT @ 80 jt from btm x 40 jts from btm; heavy paraffin; hot oil well; re-hang well; RTP on 5/8/2012 9/16/2013 Prep well for conversion to INJ well; POOH all equipment; 9/17/2013 Test tbg to 6000 psi; found 2 bad jts; TIH w/ bit x scraper; CO well 9/18/2013 RIH w/ tbg x RBP; set @ 4585'; test to csg to 750 psi; held for 30 min; 9/20/2013 TIH w/ 140 jts 2-3/8" IPC tbg x inj pkr x O/O tool; set pkr @ 4589; Conduct H-S; test csg to 590 psi for 45 min; good chart; max auth INJ press 2250 psi; 9/21/2013 begin INJ into well; 6/26/2014 Cardinal WL conducted INJ profile in well; 414 BWPD @ 750 psi; 4650-70' 8.6% INJ; 4710-50' 15.5% INJ; 4770-92' 25.5% INJ; no flow below 4792';								<b>LOGS</b>				
<b>PERFORATION RECORD</b>												
DATE	TOP	BTM	ZONE	STATUS	Tot Shts							
3/10/1982	4773	4793	San Andres	Open	11							
3/13/1982	4631'	4712'	San Andres	Open	33							
1/9/2008	4714'	4832'	San Andres	Open	94							
					138							
<b>Tubing Detail as of</b>			<b>ID (in)</b>	<b>OD (in)</b>	<b>Length Feet</b>	<b>Depth Feet</b>						
EOT						4,589						

PREPARED BY: Dave Dillon  
DATE: 4/27/2018

RECEIVED  
RRC OF TEXAS

FEB 23 2021

O&G  
Midland