

FEB 11 2021 Form W-3A

Rev 1/1/83  
(02/00)  
WWW-1

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.

O&G  
Midland

1. Operator's Name and Address (Exactly as shown on Form P-5, Organization Report) <b>Ring Energy, Inc P.O. Box 11350 Midland, TX 79702</b>					3. RRC District No. <b>08</b>		4. County of Well Site <b>Andrews</b>	
					5. API No. <b>42-003-34752</b>		6. Drilling Permit No. <b>266190</b>	
2. RRC Operator Number <b>712382</b>					7. Rule 37 Case No.		8. Oil Lease No. or Gas Well ID No. <b>29524</b>	
9. Well No. <b>1932</b>								
10. Field Name (Exactly as shown on RRC records) <b>Shafter Lake (San Andres)</b>					11. Lease Name <b>UNIVERSITY BLOCK 14 CONS</b>			
12. Location • Section No. <b>19</b> Block No. <b>14</b> Survey <b>University Lands</b> No. _____ Abstract No. A- <b>U459</b> • Distance (in miles) and direction from a nearby town in this county (name the town). <b>10 Miles NW of Andrews, Tx</b>								
13. Type of well 1. oil 3. disposal 5. other (specify) _____ 2. gas 4. injection Enter appropriate no. in box <b>1</b>					14. Type of completion Single <input checked="" type="checkbox"/> Multiple <input type="checkbox"/>		15. Total depth <b>TD:4900'/ PB:4880'</b>	
16. Usable-quality water strata (as determined by Texas Dept. of Water Resources) occur to a depth of <b>300'</b> feet and in deeper strata from <b>1200'</b> to <b>1700'</b> 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)					Top of cement determined by:			Anticipated casing recovery (feet)
					Temper. Survey Calculated Cement Bond Log			
Size	Depth	Cement (sacks)	Drilled hole size	Top of cement (feet)				
8 5/8" set @	<del>288-278</del> w/	200	12 1/4"	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5 1/2" set @	4900' w/	1250	7 7/8"	0	<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.)			
21. Record of perforated intervals or open hole					No. of sacks Depth In feet (top & bottom)			
Perforations	Open	Plugged	Plugging method					
<b>4564'-4804'</b>	<input type="checkbox"/>	<input type="checkbox"/>			<b>3 dumpbail 5-1/2" CIBP @ 4489'</b>			
_____	<input type="checkbox"/>	<input type="checkbox"/>			<b>20 3000 - 2900</b>			
_____	<input type="checkbox"/>	<input type="checkbox"/>			<b>75 1800-1700 Perf/Sqz TAG 1750'-1150'</b>			
_____	<input type="checkbox"/>	<input type="checkbox"/>			<b>40 1350-1250 Perf/Sqz 1250'-1150'</b>			
_____	<input type="checkbox"/>	<input type="checkbox"/>			<b>40 350 - 250 Perf/Sqz</b>			
Open Hole	<input type="checkbox"/>	<input type="checkbox"/>			<b>10 13-3' Surface Plug</b>			
22. Name and address of cementing company or contractor					23. Anticipated plugging date for this well is: <b>03 / 01 / 21</b> Mo. Day Yr.			
Jeanette Serna					Regulatory Tech.			
Typed or printed name of operator's representative					Time of person			
<b>432-682-7464</b>					<b>02 / 10 / 21</b>			
Telephone: Area Code Number					Signature			
<b>jserna@ringenergy.com</b>					<i>Jeanette Serna</i>			



Expiration date

**08 / 31 / 2021**  
Mo. Day Yr.

RRC District Office Action

District Director

Date

*Jeanette Serna*

*John J. Williams*

**2/22/21**



## GROUNDWATER PROTECTION DETERMINATION

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RRC OF TEXAS

Form GW-2

## Groundwater Advisory Unit

FEB 11 2021

O&G  
Midland

Date Issued: 08 January 2019

GAU Number: 228981

**Attention:** RING ENERGY, INC.  
PO BOX 11350  
MIDLAND, TX 79702**Operator No.:** 712382**API Number:** 00343918  
**County:** ANDREWS  
**Lease Name:** UNIVERSITY BLOCK 14 CONS.  
**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

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

TOC @ Surf  
DV Tool TOC @ Surf

8.625" @ 288'

DV Tool @ 1804'

Prod TOC @ ?

Packer @ 4503'  
EOT @ 4503'

4564' to 4838'

PBTD: @ 4860'  
5.5" @ 4902'

<b>WELL NAME:</b> Univ Blk 14 Cons 1932 INJ				<b>FIELD:</b> Shafter Lake (San Andres)				<b>LEASE #:</b> 29524			
<b>STATE:</b> Texas				<b>COUNTY:</b> Andrews				<b>LOCATION:</b> Sec 19, Blk 14, 1320' FSL & 1320' FWL			
<b>API NO:</b> 42-003-34752				<b>SPUD DATE:</b> 3/10/1985				<b>FORMATION:</b> Univ Lands Survey			
<b>ID:</b> 4902'				<b>PBTD:</b> 4860' 3/23/2012				<b>ELEVATION:</b> 3207' <b>KB:</b> 10'			

PIPE RECORD								CEMENT & HOLE DATA				
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEPTH	SX	WT.	TOC
Surf	8.625"	J-55	8 Rd STC	24.00#	Surf	288'	8	12 250"		200	C	Surf
Prod	5.500"	J-55	8 Rd STC	15.50#	Surf	4902'	118	7.875"		500	PSL	
DV Tool						1804'				200	C	
IPC Inj Tbg	2.375"	?	?	?		4503'	?			350	C	Surf
Packer						4503'						

**HISTORY:**

3/10/1985 Spud & TD on 3/23/85

3/23/1985 Perf (1 spf) 4708, 10, 12, 22, 30, 34, 42, 46, 52, 54, 56, 62, 64, 66, 71, 78, 80, 82, 92, 94, 46, 98, 4804, 12, 14, 16, 18, 25, 27, 29, 31 x 38 (32 holes)

Spot 5 BBL acid across perfs x 5K gal 20% NEFE @ 4 BPM; Avg TP 1550 psi; ISIP 500 psi;

3/26/1985 Perf (1 spf) 4564, 66, 68, 70, 72, 80, 82, 84, 86, 93, 95, 97, 99, 4602, 04, 10, 12, 14, 16, 18, 24, 26, 30, 35, 37, 42, 47, 49, 51, 53, 55, 68, 70, 72, 76, 78, 84, 86 x 88 (39 holes)

Spot 4 BBL acid across perfs x 6K gal 20% NEFE @ 4 BPM; Avg TP 1500 psi; ISIP 575 psi;

4/2/1985 36 BOPD x 24 BWPD

5/26/1985 Western pmp frac w/ 40K gal MMH 30# Xlink gel x 10K lb 20/40 sn x 64.8K lb 12/20 sn in 2 stgs; Job screened out on flush; Avg Q 50 BPM (0.70 BPM/perf); Avg TP 1950 psi; ISIP 800 psi;

6/30/1985 30 BOPD x 120 BWPD

6/11/1996 POOH x LD 101 bad rods; tagged fill @ 4'; LD 3 bad jts of tbg; CO 44' of fill; LD top jt (bent);

6/12/1996 RIH w/ rods x pmp x tbg; RTP

4/22/1997 Well not pumping; long stroke well; RTP

8/6/2002 Pmp lagging btm; LD 3/4" rods x couplings; tag btm @ 4877';

8/7/2002 RIH w/ rods x pmp x tbg; RTP

4/18/2006 Pmp 1K 15% HCl w/ anti-sludge blend;

1/15/2007 Pmp 1K 15% HCl w/ anti-sludge blend @ 2 BPM;

6/16/2011 Well dn; 4 bad tbg jts @ bottom; 12 stands of tbg were full of paraffin; hot oil well; RTP;

7/11/2011 Rods unscrewed @ 177th rod; install new boxes; re-hang well; slow unit to 6.7 SPM; RTP

3/23/2012 Well not pumping; tag btm @ 4860'; pmp 260 BBL soapy well; well not circ; install new WH;

3/27/2012 Conduct MIT on csg; RIH w/ plr x tbg; test csg to 500 psi; help OK;

8/5/2013 Run MIT on csg; repair hole in csg; HIC @ 10' to surface;

8/8/2013 Dug out around well; determine leak to be at the old bell nipple (7);

9/10/2013 Weld on new bell nipple x attach wellhead; test to 500 psi; held OK;

9/11/2013 Set pkr @ 4503' x RIH w/ 2-3/8" IPC tbg;

9/16/2013 H-S test csg to 620 psi for 60 min; max auth INJ pressure 2250 psi;

9/3/2015 H-S test; test csg to 505 psi for 30 min; max auth INJ press 2250 psi;

PERFORATION RECORD		DATE	TOP	BTM	ZONE	STATUS	Tot Shts
3/23/1985	4708'	4838'	San Andres	Open	32		
3/26/1985	4564'	4688'	San Andres	Open	39		
					71		

Tubing Detail as of	ID (in)	OD (in)	Length Feet	Depth Feet
EOT				4,503

PREPARED BY: Dave Dillon  
DATE: 4/30/2018

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