

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.

FEB 23 2021

O&G
Midland

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				
2. RRC Operator Number 712382		5. API No. 42-003-33130	6. Drilling Permit No. N/A				
7. Rule 37 Case No.		8. Oil Lease No. or Gas Well ID No. 29524	9. Well No. 1906				
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:4820'				
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)		Top of cement determined by:					
		Temper. Survey Calculated Cement Bond Log					
Size	Depth	Cement (sacks)	Drilled hole size	Top of cement (feet)			Anticipated casing recovery (feet)
8 5/8" set @	1733' w/	800	12 1/4"	Surface	<input type="checkbox"/>	<input type="checkbox"/>	
5 1/2" set @	4950' w/	1000	7 7/8"	50'	<input type="checkbox"/>	<input type="checkbox"/>	
_____ set @	_____ w/	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	
_____ set @	_____ w/	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	
_____ set @	_____ w/	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	
_____ set @	_____ w/	_____	_____	_____	<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		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				
4593' - 4768'	<input type="checkbox"/>	<input type="checkbox"/>		1. 3 dumpbail	5-1/2" CIBP @ 4583'		
_____	<input type="checkbox"/>	<input type="checkbox"/>		2. 20	3000 - 2800		
_____	<input type="checkbox"/>	<input type="checkbox"/>		3. 75	1800 - 1650 Perf/Sq TAG		
_____	<input type="checkbox"/>	<input type="checkbox"/>		4. 40	1250 - 1150 Perf/Sq		
_____	<input type="checkbox"/>	<input type="checkbox"/>		5. 40	350 - 250 Perf/Sq		
Open Hole	<input type="checkbox"/>	<input type="checkbox"/>		6. 10	13-3' Surface Plug		
_____	<input type="checkbox"/>	<input type="checkbox"/>		7. _____			
_____	<input type="checkbox"/>	<input type="checkbox"/>		8. _____			
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		Regulatory Tech.					
Typed or printed name of operator's representative		Title of person					
432-682-7464		Signature					
Telephone: Area Code Number		Date: Mo. Day Yr.					



Expiration date

RRC District Office Action

09 / 30 / 2021
Mo. Day Yr.

District Director

Date

3 / 2 / 2021

**GROUNDWATER PROTECTION DETERMINATION**

Form GW-2

Groundwater Advisory Unit**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.
Lease Number: 29524
Well Number: 1917H
Total Vertical Depth: 4950
Latitude: 32.428599
Longitude: -102.688974
Datum: NAD27**Operator No.:** 712382**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

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O&G
Midland

2 375"

TOC @ Surf

Prod csg TOC @ 50'
by Temp Survey

8 625" @ 1721'

Packer @ 4567'
EOT @ 4567'

4593' to 4866'

PBTD: @ 4822'
5 5" @ 4947'

WELL NAME: Univ Blk 14 Cons 1906 INJ (aka "A" 14-19 #5)					FIELD: Shafter Lake (San Andres)					LEASE #: 27170				
STATE: Texas					COUNTY: Andrews					LOCATION: Sec 19, Blk 14, 1980' FNL & 1980' FEL				
API NO: 42-003-33130					SPUD DATE: 2/6/1982					FORMATION: Univ Lands Survey				
TD: 4947'					PBTD: 4822' 12/19/2012					ELEVATION: 3209' KB: 11'				

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	1721'	29	12.250"		600	C	Surf
Prod	5.500"	K-55	8 Rd STC/LTC	20.00#	Surf	4947'	12			200	C	
				15.50#			114	7.875"		800	PSL	50'
IPC Inj Tbg	2.375"	?	?	?		4567'	?			200	50/50 Poz C	
Packer						4567'						

HISTORY:

2/6/1982 Spud & TD on 2/13/82

2/19/1982 Perf (1 spf) 4852-66'

Spot 1 BBL acid across perfs x 1.5K gal 15% NEFE @ 4.5 BPM; Avg TP @ 2200 psi; ISIP 700 psi;

2/24/1982 Perf (1 spf) 4593, 95, 97, 99, 4601, 03, 05, 07, 18, 20, 22, 24, 26, 28, 30, 32, 38, 43, 49, 51, 53, 55, 57, 59, 60, 73, 75, 83, 85, 4713, 9, 66 x 68 (33 holes)

Frac w/ 216 BBL pad x 34 BBL 1 ppg 20/40 sn; Avg Q 30 BPM (0.625 BPM/perf); Max TP 1800 psi;

2/26/1982 Found hole in top jt 5-1/2" csg; PU x chg out 1st jt of 5-1/2" csg;

2/28/1982 Frac w/ 50K gal YF4PFSO Xlink gel x 17K lb 20/40 sn x 120K lb 10/20 sn; Avg Q 28 BPM; 0.58 BPM/perf; Avg TP 1400 psi; ISIP 1000 psi; Fg 0.65 psi/ft

3/2/1982 Put on rod pmp;

3/19/1982 20 BOPD x 115 BWPD

3/25/1982 POOH w/ all equip; RIH 5-1/2" x 2" swedge; TxA well;

7/15/1982 Chng pmp x lower pmp; RTP;

10/1/1982 Rod part @ 2425' x rods pitted; RTP;

1/20/1983 Chng pmp - plunger cut w/ sn;

11/13/1984 Rod part x pmp stuck; HIT in 152nd jt @ pmp discharge; pmp hot water dn tbg; RTP;

11/26/1984 Rods unscrewed betwn 189 x 190th rod; RTP;

5/13/1996 CO 115' fill; re-hang well; RTP

5/29/1996 HIT - 3 jts tbg had holes; re-hang well; RTP

11/16/1998 Pmp stuck; paraffin in tbg; pmp hot water dn hole; 3/4 rods are pitted; RTP;

2/25/2004 Rod part; POOH w/ rods x tbg; LD rods x tbg; SI well

7/13/2012 RU to run MIT; set RBP @ 4550' x tst to 500 psi; Ok;

12/3/2012 Convert to INJ well; TIH w/ bit x scraper; CO to 4655';

12/19/2012 TIH w/ bit x scraper; **CO to 4822'**

12/27/2012 TIH w/ IPC tbg x pkr; set pkr @ 4567';

1/4/2013 Tst tbg to 1500 psi x csg to 550 psi; RTI;

4/3/2013 H-5 test; tst csg to 525 psi for 30 min; max auth INJ press 2250 psi;

6/25/2014 Cardinal run Inj Profile in well; 700 BWIPD @ 900 psi;

4600-4650 30.3% INJ; 4650-4713 69.7% INJ; no flow below 4713'

LOGS

PERFORATION RECORD					
DATE	TOP	BTM	ZONE	STATUS	Tot Shts
2/19/1982	4852'	4866'	San Andres	Open	15
3/13/1982	4593'	4768'	San Andres	Open	33
					48

Tubing Detail as of	ID (in)	OD (in)	Length Feet	Depth Feet
EOT				4567.00

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

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