



RAILROAD COMMISSION OF TEXAS

Form G-1

1701 N. Congress
 P.O. Box 12967
 Austin, Texas 78701-2967

Status: Approved
 Date: 07/02/2020
 Tracking No.: 231755

GAS WELL BACK PRESSURE TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION			
Operator	SPINDLETOP DRILLING CO.	Operator	809924
Operator	12850 SPURLING RD SUITE 200 DALLAS, TX 75230-0000		

WELL INFORMATION			
API	42-475-30581	County:	WARD
Well	1	RRC District	08
Lease	UNIVERSITY "K"	Field	RHODA WALKER (CANYON 5900)
RRC Gas ID	289351	Field No.:	76184333
Location	Section: 40, Block: 17, Survey: UL, Abstract: A-U79		
Latitude		Longitud	
This well is	4	miles in	W
direction	PYOTE,		
which is the nearest town in the			

FILING INFORMATION			
Purpose of	Reclass Oil to Gas		
Type of	Other/Recompletion		
Well Type:	Producing	Completion or Recompletion	01/02/1994
Type of Permit		Date	Permit No.
Permit to Drill, Plug Back, or Rule 37 Exception		01/26/1994	417956
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION			
Spud	11/09/1993	Date of first production after rig	01/02/1994
Date plug back, deepening, drilling operation	11/09/1993	Date plug back, deepening, recompletion, drilling operation	
Number of producing wells on this lease this field (reservoir) including this	3	Distance to nearest well in lease & reservoir	1036.0
Total number of acres in	160.00	Elevation	2616
Total depth TVD	2169	Total depth MD	
Plug back depth TVD	6100	Plug back depth MD	
Was directional survey made other inclination (Form W-	No	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	No
Recompletion or	Yes	Multiple	No
Type(s) of electric or other log(s)	Combo of Induction/Neutron/Density/Sonic		
Electric Log Other Description:			
Location of well, relative to nearest lease boundaries of lease on which this well is	990.0 Feet from the	North	Off Lease: No
	990.0 Feet from the	West	Line and
		UNIVERSITY "K"	Line of the Lease.

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.			
Field & Reservoir	Gas ID or Oil Lease	Well No.	Prior Service Type

G1: N/A
 PACKET RHODA WALKER (CANYON 5900) 34070 1 Producing

FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:

GAU Groundwater Protection Depth 900.0 Date 01/11/2019
 SWR 13 Exception Depth

GAS MEASUREMENT DATA

Date of 02/28/2020 Gas measurement method
 Gas production during test 6 Orifice Meter
 Was the well preflowed for 48 Yes

Run No.	Line size	Orif. or Choke Size (in.)	24 hr. Coeff. Orif. Or Choke	Static Pm or Choke (in.)	Diff (hw)	Flow Temp (°F)	Temp. (Ftf)	Gravity (Fg)	Compress (Fpv)	Volume (MCF/day)
1	2.000	0.250	0.25	48.0	115.0	57.0				6.0

FIELD DATA AND PRESSURE CALCULATIONS

Gravity (dry 0.846 Gravity (liquid hydrocarbons) (Deg.
 Gas-Liquid Hydro Ratio (CF/Bbl): Gravity (mixture): 0.846
 Avg. shut in temp. (° 57.0 Bottom hole temp. and 80.0 °F@ 6100.0 FT

Run	Time of Run (Min.)	Choke Size	Wellhead Pressure	Wellhead Flow Temp (°F)
SHUT-IN	0	.250	50	57.0
1	1440	.250	50	57.0

CASING RECORD

Ro	Type of Casing	Casing Size (in.)	Hole Size	Setting Depth	Multi - Stage Tool	Multi - Stage Shoe	Cement Class	Cement Amoun	Slurry Volume (cu. (ft.))	Top of Cement (ft.)	TOC Determined By
1	Surface	20	26	850			C	1663	1829.0	SURF ACE	Circulated to Surface
2	Intermediate	13 3/8	17 1/2	4802			H	1000	1486.0	3080	Calculation
3	Intermediate	10 3/4	12 1/4	11500			H	1800	1980.0	6400	Calculation

LINER RECORD

Ro	Liner Size	Hole Size (in.)	Liner Top	Liner Bottom	Cement Class	Cement Amoun	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	7 5/8	9 1/2	11094	14060	H	1014	0.0	5484	Calculation
2	5	0	13740	21269	H	1420	0.0	0	Calculation

TUBING RECORD

Ro	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	5904	/

PRODUCING/INJECTION/DISPOSAL INTERVAL

Ro	Open hole?	From (ft.)	To (ft.)
1	No	L 5934	5939

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.

Was hydraulic fracturing treatment	No
Is well equipped with a downhole actuation sleeve?	No
	If yes, actuation pressure
Production casing test pressure (PSIG) during hydraulic fracturing	Actual maximum pressure (PSIG) during fracturin
Has the hydraulic fracturing fluid disclosure been	No

<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>	
1	Acid	500 GALLONS OF 15% NEFE	5934.0	5939.0

FORMATION RECORD

<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation isolated?</u>	<u>Remarks</u>
DELAWARE	No	4953.0		No	
CHERRY CANYON	No	5904.0		No	
BRUSHY CANYON	No	7174.0		No	

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm No

Is the completion being downhole commingled (SWR) No

REMARKS

RRC REMARKS

PUBLIC COMMENTS:
 [RRC Staff 2020-07-02 15:40:10.385] Approved as deficient: G-1 gas produced during test, shut-in/run time SHL calls; P-16, G-10.

CASING RECORD :

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :

GAS MEASUREMENT DATE REMARK:

OPERATOR'S CERTIFICATION

Printed

David Owen

Title

Telephone

(972) 644-2581

Date

03/03/2020

**CERTIFICATE OF COMPLIANCE
 AND TRANSPORTATION AUTHORITY**

This facsimile P-4 was generated electronically from data submitted to the RRC.
 A certification of the automated data is available in the RRC's Austin office.

Tracking No.: 231755

1. Field name exactly as shown on proration schedule RHODA WALKER (CANYON 5900)		2. Lease name as shown on proration schedule UNIVERSITY "K"					
3. Current operator name exactly as shown on P-5 Organization Report SPINDLETOP DRILLING CO.		4. Operator P-5 no. 809924	5. Oil Lse/Gas ID no 289351	6. County WARD	7. RRC district 08		
8. Operator address including city, state, and zip code 12850 SPURLING RD SUITE 200 DALLAS, TX 75230		9. Well no(s) (see instruction E) 1			11. Effective Date 01/02/1994		
10. Classification <input type="checkbox"/> Oil <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)		11. Effective Date 01/02/1994					
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G) a. Change of: <input type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from _____ <input type="checkbox"/> lease name from _____ ----- OR b. New RRC Number for: <input type="checkbox"/> oil lease <input checked="" type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____ Due to: <input type="checkbox"/> new completion or recompletion <input checked="" type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)							
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).							
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left <i>(Attach an additional sheet in same format if more space is needed)</i>			Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	TARGA MIDSTREAM SERVICES LLC(836037)			0001	100.0	
14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).							
Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First <i>(Attach an additional sheet in same format if more space is needed)</i>						Percent of Take	
EASTEX CRUDE COMPANY(239232)						100.0	
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>07/02/2020</u>							
15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.							
Name of Previous Operator _____ Name (print) _____ Title _____				Signature _____ <input type="checkbox"/> Authorized Employee of previous operator <input type="checkbox"/> Authorized agent of previous operator (see instruction G) Date _____ Phone with area code _____			
16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.							
SPINDLETOP OIL & GAS COMPANY _____ Name (print) _____ Title <u>dowen@spindletopoil.com</u> E-mail Address (optional)				David Owen _____ Signature <input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (see instruction G) Date <u>03/03/2020</u> Phone with area code <u>(972) 644-2581 EXT 237</u>			

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 11 January 2019 **GAU Number:** 228881

Attention:	SPINDLETOP DRILLING CO. 12850 SPURLING RD SUITE DALLAS, TX 75230	API Number:	47534578
Operator No.:	809924	County:	WARD
		Lease Name:	University K
		Lease Number:	34070
		Well Number:	3
		Total Vertical Depth:	6601
		Latitude:	31.524998
		Longitude:	-103.191214
		Datum:	NAD27

Purpose: Plug and Abandon (P&A)
Location: Survey-UL; Block-17; Section-40

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 the base of the Santa Rosa, which is estimated to occur at a depth of 900 feet, must be protected.

This recommendation is applicable for all wells drilled in this Section 40.

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 01/08/2019. 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

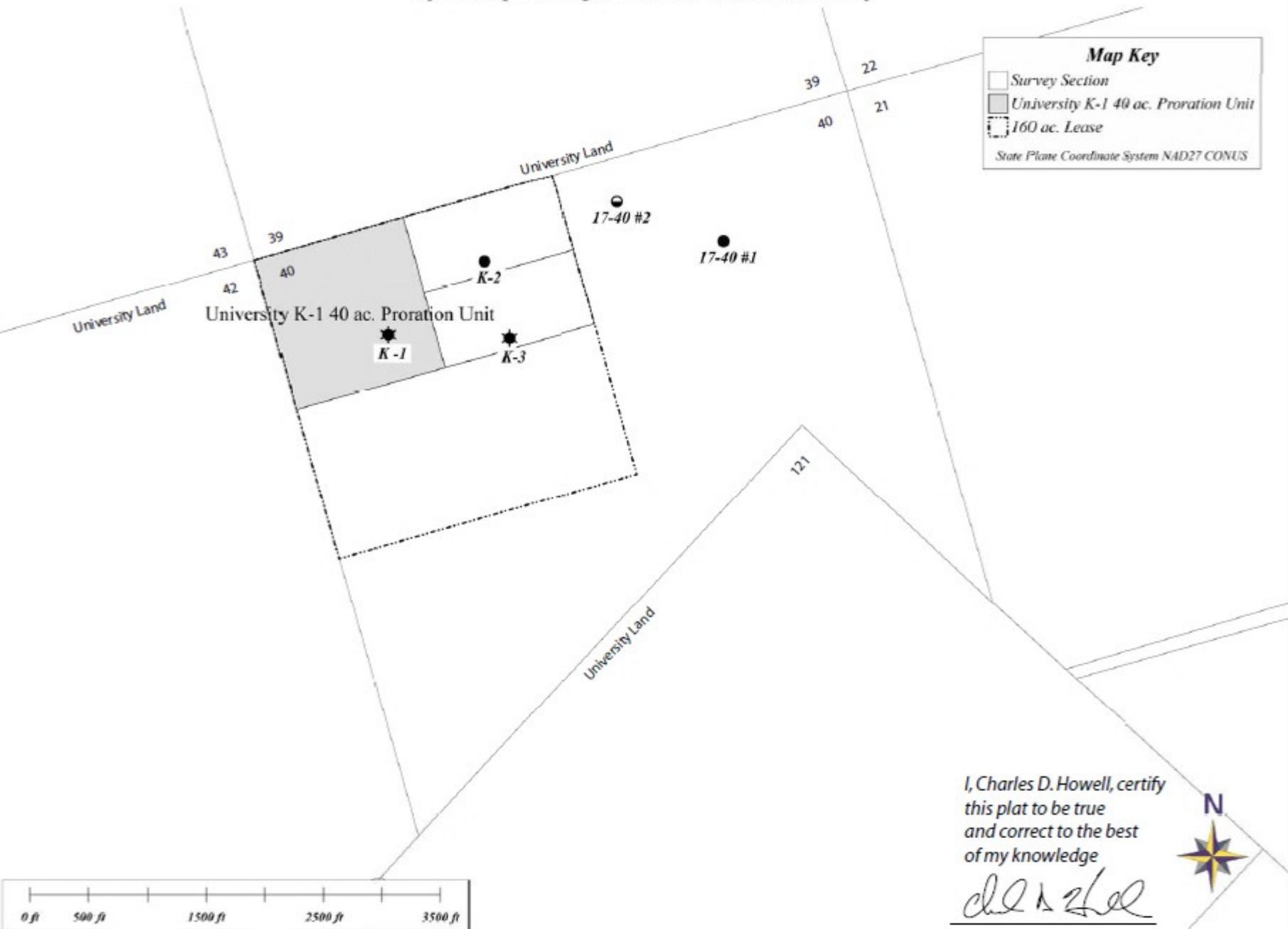
Form GW-2 P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.gov
Rev. 02/2014

Spindletop Drilling Co. 40 ac. Proration Unit Map

Map Key

- Survey Section
- University K-1 40 ac. Proration Unit
- ⋯ 160 ac. Lease

State Plane Coordinate System NAD27 CONUS



I, Charles D. Howell, certify
this plat to be true
and correct to the best
of my knowledge

January 17, 2013

Assignment of 40 ac. to the University K-1 Well