RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 01/17/2018
Tracking No.: 178285

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION

Operator Name: ELEVATION RESOURCES LLC **Operator No.:** 247756
Operator Address: 200 N LORAINE STE 1010 MIDLAND, TX 79701-0000

WELL INFORMATION

API No.: 42-003-47478 **County:** ANDREWS
Well No.: 2H **RRC District No.:** 08
Lease Name: UL G 9-46 UNIT **Field Name:** EMMA (MISSISSIPPIAN)
RRC Lease No.: 49170 **Field No.:** 28899581
Location: Section: 46, Block: 9, Survey: UL, Abstract:

Latitude: **Longitude:**
This well is located 13 **miles in a** SOUTHERLY **direction from** ANDREWS, **which is the nearest town in the county.**

FILING INFORMATION

Purpose of filing: Initial Potential
Type of completion: New Well
Well Type: Producing **Completion or Recompletion Date:** 06/20/2017

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	02/02/2017	822577
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 03/12/2017 **Date of first production after rig released:** 06/20/2017
Date plug back, deepening, recompletion, or drilling operation commenced: 03/12/2017 **Date plug back, deepening, recompletion, or drilling operation ended:** 05/06/2017
Number of producing wells on this lease in this field (reservoir) including this well: 1 **Distance to nearest well in lease & reservoir (ft.):** 0.0
Total number of acres in lease: 561.90 **Elevation (ft.):** 3099 GL
Total depth TVD (ft.): 10459 **Total depth MD (ft.):** 18642
Plug back depth TVD (ft.): **Plug back depth MD (ft.):** 18635
Was directional survey made other than inclination (Form W-12)? Yes **Rotation time within surface casing (hours):** 240.0
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No **Multiple completion?** No
Type(s) of electric or other log(s) run: Gamma Ray (MWD)
Electric Log Other Description:

Location of well, relative to nearest lease boundaries of lease on which this well is located: 499.0 **Feet from the** South **Line and** 1150.0 **Feet from the** East **Line of the** UL G 9-46 UNIT **Lease.** **Off Lease :** No

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.

Field & Reservoir	Gas ID or Oil Lease No.	Well No.	Prior Service Type

PACKET: N/A

W2: N/A

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

GAU Groundwater Protection Determination **Depth (ft.):** 1600.0 **Date:** 02/02/2017

SWR 13 Exception **Depth (ft.):**

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: 08/15/2017 **Production method:** Gas Lift

Number of hours tested: 24 **Choke size:** 64/64

Was swab used during this test? No **Oil produced prior to test:** 12596.00

PRODUCTION DURING TEST PERIOD:

Oil (BBLS): 447.00 **Gas (MCF):** 483

Gas - Oil Ratio: 1080 **Flowing Tubing Pressure:** 150.00

Water (BBLS): 1195

CALCULATED 24-HOUR RATE

Oil (BBLS): 447.0 **Gas (MCF):** 483

Oil Gravity - API - 60.: 45.0 **Casing Pressure:** 920.00

Water (BBLS): 1195

CASING RECORD

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Tool Depth (ft.)	Multi - Stage Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	13 3/8	17 1/2	1644			TRANSTEX LITE	1460	2698.0	0	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	9875			TRANSTEX MULTI	1250	2730.0	7980	Calculation
3	Intermediate	9 5/8	12 1/4	9875	7990		TRANSTEX MULTI	3000	6965.0	2970	Calculation
4	Intermediate	9 5/8	12 1/4	9875	2978		TRANSTEX MULTI	1925	4364.0	0	Calculation
5	Intermediate	7	8 1/2	10418			TRANSTEX MULTI	1300	2910.0	0	Circulated to Surface

LINER RECORD

Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	4 1/2	6 1/8	9631	18635	TRANSTEX ULTRA	730	1256.0		Calculation

TUBING RECORD

Row	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	9595	9595 /

PRODUCING/INJECTION/DISPOSAL INTERVAL

Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 10652	18601.0

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

Was hydraulic fracturing treatment performed? Yes

Is well equipped with a downhole actuation sleeve? No

If yes, actuation pressure (PSIG):

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 8500

Actual maximum pressure (PSIG) during hydraulic fracturing: 8031

Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)? Yes

Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)	
1	Fracture	SEE FRAC FOCUS FOR DETAIL	10652	18601

FORMATION RECORD

Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
YATES	Yes	3115.0	3115.0	Yes	NOT LOGGED - ESTIMATED DEPTH
SEVEN RIVERS	Yes	3160.0	3160.0	Yes	NOT LOGGED - ESTIMATED DEPTH
QUEEN	Yes	3175.0	3175.0	Yes	NOT LOGGED - ESTIMATED DEPTH
GRAYBURG	Yes	4890.0	4890.0	Yes	NOT LOGGED - ESTIMATED DEPTH
SAN ANDRES - CO2 FLOOD, HIGH FLOWS, H2S, CORROSIVE	Yes	4700.0	4700.0	Yes	NOT LOGGED - ESTIMATED DEPTH
HOLT	No			No	NOT GEOLOGICALLY PRESENT
GLORIETA	Yes	5710.0	5710.0	Yes	NOT LOGGED - ESTIMATED DEPTH
TUBB	No			No	NOT GEOLOGICALLY PRESENT
CLEARFORK	Yes	5640.0	5640.0	Yes	NOT LOGGED - ESTIMATED DEPTH
PERMIAN DETRITAL	No			No	NOT GEOLOGICALLY PRESENT
LEON	No			No	NOT GEOLOGICALLY PRESENT
WICHITA ALBANY	Yes	8034.0	8034.0	Yes	NOT LOGGED - ESTIMATED DEPTH
SPRABERRY	No			No	NOT GEOLOGICALLY PRESENT
DEAN	No			No	NOT GEOLOGICALLY PRESENT
WOLFCAMP	Yes	8499.0	8499.0	Yes	NOT LOGGED - ESTIMATED DEPTH
CANYON	No			No	NOT GEOLOGICALLY PRESENT
PENNSYLVANIAN	Yes	9102.0	9102.0	Yes	
MCKEE	No			No	NOT DRILLED DEEP
STRAWN	Yes	9476.0	9476.0	Yes	
MISSISSIPPIAN	Yes	9981.0	9981.0	Yes	
FUSSELMAN	No			No	NOT DRILLED DEEP
DEVONIAN	No			No	NOT DRILLED DEEP
SILURIAN	No			No	NOT DRILLED DEEP
ELLENBURGER	No			No	NOT DRILLED DEEP

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)? No

Is the completion being downhole commingled (SWR 10)? No

REMARKS

KOP @ 10,000'

RRC REMARKS

PUBLIC COMMENTS:

[RRC Staff 2017-09-12 11:58:29.499] EDL=7949 feet, max acres=320

CASING RECORD :

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

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

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed Name: Curtis Flanagan **Title:** Eng. Tech

Telephone No.: (432) 688-3380 **Date Certified:** 01/16/2018

RAILROAD COMMISSION OF TEXAS

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

Form W-15
Rev. 08/2014

CEMENTING REPORT

Cementer: Fill in shaded areas.
Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name:	ELEVATION RESOURCES	Operator P-5 No.:	247756
Cementer Name:	TRANS TEX CEMENTING SERVICES, LLC	Cementer P-5 No.:	864412

WELL INFORMATION

District No.:	08	County:	ANDREWS
Well No.:	UNIT #2H	API No.: 42-003-47478	Drilling Permit No.: 822577
Lease Name:	ULG 9-46	Lease No.:	
Field Name:	Emma (Mississippian)	Field No.:	28899581

I. CASING CEMENTING DATA

Type of Casing: ☐ Conductor ☑ Surface ☐ Intermediate ☐ Liner ☐ Production

Drilled hole size (in.): 17 1/2	Depth of drilled hole (ft.): 1670'	Est. % wash-out or hole enlargement: 20%	
Size of casing in O.D. (in.): 13 3/8	Casing weight (lbs/ft) and grade: 54.5# J-55	No. of centralizers used: 10	
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☑ YES ☐ NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.): 1648'	Top of liner (ft.):	
Hrs. waiting on cement before drill-out: 24+	Calculated top of cement (ft.): 0'	Setting depth liner (ft.):	
		Cementing date: 3/13/2017	

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1135	TRANSTEXLITE	SEE REMARKS	2156	3104
2	325	TRANSTEXLITE	SEE REMARKS	542	781
3					
Total	1460			2698	3885

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement sh ☐ Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:	
Tapered string drilled hole size (in.) Upper: Lower:		Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? YES ☐ NO ☐		Setting depth shoe (ft.):	
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:	

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

III. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV t ☐ Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:	
Tapered string drilled hole size (in.) Upper: Lower:		Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? YES ☐ NO ☐		Setting depth shoe (ft.):	
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:	

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS
GOT 105 BBLS OF CMT TO SURFACE = 310 SKS
LEAD CMT 2#PHENO,2#GILS,1/4#CF,4/10%CFL-1
TAIL 2#PHENO,2#GILS,1/4#CF,2/10%CFL-1,2/10%CFR-1

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

JUAN GARCIA CEMENTER — Name and title of cementer's representative

TRANS TEX CEMENTING — Cementing Company

Signature

5019 BASIN ST — Address

MIDLAND, TX 79703 — City, State, Zip Code

432-694-4900 — Tel: Area Code Number

3/13/2017 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Jason Kincaid — Typed or printed name of operator's representative

Drilling Engineer — Title

Signature

200 N. Loraine, Ste 1010, Midland TX 79701 — Address, City, State, Zip Code

432-688-3381 — Tel: Area Code Number

3/15/17 — Date: mo. day yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

A. **What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.
The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. **How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System

(https://webapps.rrc.state.tx.us/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 787112967).

C. **Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.

E. **Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.

F. **Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.

G. **Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

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Form W-15
Rev. 08/2014

CEMENTING REPORT

Cementer: Fill in shaded areas.
Operator: Fill in other items.

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Cementer Name:	TRANS TEX CEMENTING SERVICES, LLC	Cementer P-5 No.:	864412

WELL INFORMATION

District No.:	08	County:	ANDREWS		
Well No.:	#2H	API No.:	42-003-47478	Drilling Permit No.:	822577
Lease Name:	UL G 9-46 UNIT	Lease No.:			
Field Name:	Emma (Mississippian)	Field No.:	28899581		

I. CASING CEMENTING DATA

Type of Casing: ☐ Conductor ☐ Surface ☑ Intermediate ☐ Liner ☐ Production

Drilled hole size (in.): 12 1/4"	Depth of drilled hole (ft.): 9900'	Est. % wash-out or hole enlargement: 20%	
Size of casing in O.D. (in.): 9 5/8"	Casing weight (lbs/ft) and grade: 43.5# HCL-80	No. of centralizers used: 48	
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☑ NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.): 9875'	Top of liner (ft.):	
		Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out: 24+	Calculated top of cement (ft.): 7980'	Cementing date: 4/3/2017	

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	3RD STG 1675	MULTI "C"	SEE REMARKS	4054	12942
2	3RD STG 250	MULTI "C"	SEE REMARKS	310	990
3					
Total	1925			4364	13932

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☑ Intermediate ☐ Production ☐ Tapered production ☑ Multi-stage cement s ☐ Multiple parallel strings

Drilled hole size (in.): 12 1/4"	Depth of drilled hole (ft.): 9900'	Est. % wash-out or hole enlargement: 20%	
Size of casing in O.D. (in.): 9 5/8"	Casing weight (lbs/ft) and grade: 40.# HCL-80	No. of centralizers used: 48	
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper:	Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper:	Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? YES ☐ NO ☑			Setting depth shoe (ft.): ~~7995'~~ 7990'
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.): 2970'		Cementing date: 4/2/2017

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1ST STG 1000	MULTI "H"	SEE REMARKS	2420	7727
2	1ST STG 250	MULTI "H"	SEE REMARKS	310	990
3					
Total	1250			2730	8717

III. CASING CEMENTING DATA

Type of casing: ☐ Surface ☑ Intermediate ☐ Production ☐ Tapered production ☑ Multi-stage cement/DV ☐ Multiple parallel strings

Drilled hole size (in.): 12 1/4"	Depth of drilled hole (ft.): 9900	Est. % wash-out or hole enlargement: 20%	
Size of casing in O.D. (in.): 9 5/8"	Casing weight (lbs/ft) and grade: 40# HCL-80	No. of centralizers used: 48	
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper:	Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper:	Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? YES ☐ NO ☑			Setting depth shoe (ft.): 2978'
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.): 0'		Cementing date: 4/2/2017

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	2ND STG 2750	MULTI "H"	SEE REMARKS	6655	21248
2	2ND STG 250	MULTI "H"	SEE REMARKS	310	990
3					
Total	3000			6965	22238

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS
1ST STG LEAD 10%GEL+3%SALT+3#PHENO+1/4#CF+.3%CFL-1+.1%CR-1+.1%CFR-1
1ST STG TAIL 2%GEL+3%SALT+1/4#CF+.1%CR-1+.2%CFR-1+.3%CFL-1/// 3RD STG LEAD 10%GEL+3%SALT+3#PHENO+1/4#CF+.3%CFL-1+.7%CAS-2+.2%CFR-1
2ND STG LEAD 10%GEL+3%SALT+3#PHENO+1/4#CF+.3%CFL-1+.1%CR-1+.1%CFR-1/ /3RD STG TAIL 2%GEL+3%SALT+1/4#CF+.2%CFR-1+.3%CFL-1
2ND STG TAIL 2%GEL+3%SALT+1/4#CF+.1%CR-1+.2%CFR-1+.3%CFL-1

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

J. GALVAN CEMENTER — Name and title of cementer's representative

TRANS TEX CEMENTING — Cementing Company

Signature

5019 BASIN ST — Address

MIDLAND, TX 79703 — City, State, Zip Code

432-694-4900 — Tel: Area Code Number

4/3/2017 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Jason Kincaid — Typed or printed name of operator's representative

Drilling Engineer — Title

Signature

200 N. Loraine, Ste 1010 — Address

Midland, TX 79701 — City, State, Zip Code

432-688-3381 — Tel: Area Code Number

4/5/17 — Date: mo. day yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

A. **What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.
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B. **How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System

(https://webapps.rrc.state.tx.us/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 787112967).

C. **Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.

E. **Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.

F. **Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.

G. **Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

RAILROAD COMMISSION OF TEXAS

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

CEMENTING REPORT

Form W-15
Rev. 08/2014

Cementer: Fill in shaded areas.
Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name:	ELEVATION RESOURCES	Operator P-5 No.:	247756
Cementer Name:	TRANS TEX CEMENTING SERVICES, LLC	Cementer P-5 No.:	864412

WELL INFORMATION

District No.:	08	County:	ANDRES
Well No.:	2H	API No.: 42-003-47478	Drilling Permit No.: 822577
Lease Name:	ULG 9-46	Lease No.:	
Field Name:	Emma (Mississippian)	Field No.:	28899581

I. CASING CEMENTING DATA

Type of Casing: ☐ Conductor ☐ Surface ☑ Intermediate ☐ Liner ☐ Production

Drilled hole size (in.): 8 1/2"	Depth of drilled hole (ft.): 10,418	Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 7"	Casing weight (lbs/ft) and grade: 26# P-110	No. of centralizers used: 60
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☑ YES ☐ NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.): 10418'	Top of liner (ft.): / Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 24+	Calculated top of cement (ft.): SURFACE	Cementing date: 4/14/2017

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1100	TRANS TEX MULTI H	REMARKS # 1	2662	20994
2	200	TRANS TEX MULTI H	REMARKS # 2	248	1956
3					
Total	1300			2910	22950

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☑ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement sh ☐ Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? Y ☐ NO ☐		Setting depth shoe (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

III. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV to ☐ Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? Y ☐ NO ☐		Setting depth shoe (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS
REMARKS # 1 10%gel+3%salt+3#gil+3#pheno+1/4#cf+3/10%cfl-1+3/10%cr-1+.3%cas-1
REMARKS # 2 2%gel+3%salt+1/4#cf+2/10%cr-1+2/10%cfr-1+3/10%cfl-1
WE CIRCULATE CMT BACK TO SURFACE 170 BBLS = 394 SKS

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

CARLOS A FLORES SERVICE SUPERVISOR — Name and title of cementer's representative

TRANS TEX CEMENTING — Cementing Company

Signature

5019 BASIN ST — Address

MIDLAND, TX 79703 — City, State, Zip Code

432-694-4900 — Tel: Area Code Number

4/14/2017 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Jason Kincaid — Typed or printed name of operator's representative

Drilling Engineer — Title

Signature

200 N. Loraine, Ste 1010, Midland TX 79701 — Address, City, State, Zip Code

432-688-3381 — Tel: Area Code Number

4/16/17 — Date: mo. day yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

A. What to file: An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.
The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. How to file: An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System

(https://webapps.rrc.state.tx.us/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 787112967).

C. Surface casing: An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

D. Estimated % wash-out: If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.

E. Multi-stage cement: An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.

F. Multiple parallel strings: An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.

G. Slurry data: If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

RAILROAD COMMISSION OF TEXAS

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

CEMENTING REPORT

Form W-15
Rev. 08/2014

Cementer: Fill in shaded areas.
Operator: Fill in other items.

OPERATOR INFORMATION			
Operator Name:	ELEVATION RESOURCES	Operator P-5 No.:	247756
Cementer Name:	TRANS TEX CEMENTING SERVICES, LLC	Cementer P-5 No.:	864412

WELL INFORMATION					
District No.:	08	County:	ANDREWS		
Well No.:	2H	API No.:	42-003-47478	Drilling Permit No.:	822577
Lease Name:	UL G 9-46 UNIT	Lease No.:			
Field Name:	Emma (Mississippian)	Field No.:	28899581		

I. CASING CEMENTING DATA

Type of Casing: ☐ Conductor ☐ Surface ☐ Intermediate ☑ Liner ☐ Production

Drilled hole size (in.): 6 1/8"	Depth of drilled hole (ft.): 18,647'	Est. % wash-out or hole enlargement: 20%	
Size of casing in O.D. (in.): 4 1/2"	Casing weight (lbs/ft) and grade: 16.6# P-110	No. of centralizers used: 168	
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☑ YES ☐ NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.): 18635	Top of liner (ft.): 9631'	Setting depth liner (ft.): 18635'
Hrs. waiting on cement before drill-out: 24+	Calculated top of cement (ft.): 9631	Cementing date: 5/3/2017	

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	730	ULTRA	SEE REMARKS	1256	9840
2					
3					
Total	730			1256	

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement s ☐ Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? YE ☐ NO ☐		Setting depth shoe (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

III. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV ☐ Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight(lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? YE ☐ NO ☐		Setting depth shoe (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS
3%SAL+7/10%CR-1+.75%CFL-1+2/10%CFR-4+.15%CAS-1+1.5#PHENO+1/8#CF
CIRCULATED BACK 73 BBLS=238 SKS

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

J. GALVAN CEMENTER — Name and title of cementer's representative

TRANS TEX CEMENTING — Cementing Company

J. Galvan — Signature

5019 BASIN ST — Address

MIDLAND, TX 79703 — City, State, Zip Code

432-694-4900 — Tel: Area Code Number

5/3/2017 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Jason Kincaid — Typed or printed name of operator's representative

Drilling Engineer — Title

Signature

200 N. Loraine Suite 1010, Midland TX 79701 — Address City, State, Zip Code

432 688-3381 — Tel: Area Code Number

5/5/17 — Date: mo. day yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

A. **What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.
The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. **How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System

(https://webapps.rrc.state.tx.us/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 787112967).

C. **Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

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D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.

E. **Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.

F. **Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.

G. **Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

ELECTRIC LOG STATUS REPORT

FORM L-1

Tracking No.: 178285

This facsimile L-1 was generated electronically from data submitted to the RRC.

Instructions

When to File Form L-1:
- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

When is Form L-1 NOT required:
- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to File Form L-1:
- with the appropriate Commission district office

Filling out Form L-1:
- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

Type of log required:
- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SECTION I. IDENTIFICATION

Operator Name: ELEVATION RESOURCES LLC	District No. 08	Completion Date: 06/20/2017
Field Name EMMA (MISSISSIPPIAN)	Drilling Permit No. 822577	
Lease Name UL G 9-46 UNIT	Lease/ID No. 49170	Well No. 2H
County ANDREWS	API No. **42-** 003-47478	

SECTION II. LOG STATUS (Complete either A or B)

☐ A. BASIC ELECTRIC LOG NOT RUN

☒ B. BASIC ELECTRIC LOG RUN. (Select one)

☒ 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.

☐ 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).

☐ 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).

☐ 4. Log attached to (select one):

☐ (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: _____

Check here if attached log is being submitted after being held confidential. ☐

☐ (b) Form P-7, Application for Discovery Allowable and New Field Designation.

☐ (c) Form W-4, Application for Multiple Completion:

Lease or ID No(s). _____

Well No(s). _____

Curtis Flanagan Signature	Eng. Tech Title
ELEVATION RESOURCES LLC Name (print)	(432) 688-3380 Phone 08/22/2017 Date

-FOR RAILROAD COMMISSION USE ONLY-

ELEVATION RESOURCES

DIVERSIFIED WELL LOGGING, LLC

Measured Depth Log
5" = 100'
Unit Number DT-151
Job Number 548-X

711 WEST 10TH STREET, RESERVE,LA.

OPERATOR:	ELEVATION RESOURCES LLC	API:	42-003-47478
WELL:	UNIVERSITY UL G 9-46 UNIT 2H ST1	FIELD:	WILDCAT
LOCATION:	13 MILES S FROM ANDREWS	RIG NAME:	TRINIDAD DRILLING 121
SECTION:	46	TOWNSHIP:	ANDREWS
COUNTY	ANDREWS	RANGE:	
STATE:	TEXAS	SUPERVISOR:	CRAIG MCGEE
SPUD DATE:	03/12/2017	CREW:	CHARLES LUPTON / DEBRA SMITH

LOCATION

Latitude: 32° 07' 33.56" N
Longitude: 102° 33' 10.91" W
UTM X= 436,190.69 ft
UTM Y= 204,722.68 ft

Depth Logged: 8430' To: 18642'
Date Logged: 03/29/17 To: 04/30/17
Total Depth MD: 18642' TVD: 10359.83'

Elev. KB 3124'
KB/ML 25'
GL 3099'
WD N/A

Borehole Record (MD)

Size (in)	From (ft)	To (ft)
12.25"	1644'	9900'
8.5"	9900'	10863'
6.125"	10394'	18642'

Casing Record (MD)

Size (in)	Wt (lbpf)	From (ft)	To (ft)	FIT/LOT (ppg)
13.375"	54.0	0'	1644'	
9.625"	40.0	0'	9507'	
7"	26.0	0'	10418'	

ABBREVIATIONS

CO - Circulated Out
CF - Check Flow
NB - New Bit
SVY - Survey
STG - Short Trip Gas
CG - Connection Gas
BG - Background Gas
TG - Trip Gas
BU - Bottom Up Gas
FC - Flow Check Gas
POG - Pump Off Gas

LITHOLOGY

Anhydrite
Ash
Cement
Chalk
Coal
Dolomite
Gypsum
Limestone
Limestone Sandy
Marl
No sample
Salt
Sand
Shale Green
Shale Grey
Siltstone

ROP / GAMMA

Rate of Penetration
200 ft/hr 0
MWD Gamma Ray
0 API 150

Slide (Black) / Rotate (Whit

Depth

Lithology

Total Gas

Total Gas
0 Units 2000

Chromatograph

Methane
0 ppm 200000
Ethane
0 ppm 200000
Propane
0 ppm 100000
Iso-Butane
0 ppm 100000

Mud Properties

Fluorescence
0 100

Oil Cut

Descriptions / Surveys

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
PO Box 12967
Austin TX 78711-2967
www.rrc.texas.gov

CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

P-4

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.: 178285

1. Field name exactly as shown on proration schedule	2. Lease name as shown on proration schedule			
EMMA (MISSISSIPPIAN)	UL G 9-46 UNIT			
3. Current operator name exactly as shown on P-5 Organization Report	4. Operator P-5 no.	5. Oil Lse/Gas ID no	6. County	7. RRC district
ELEVATION RESOURCES LLC	247756	49170	ANDREWS	08
8. Operator address including city, state, and zip code	9. Well no(s) *(see instruction E)*			
200 N LORAINE STE 1010 MIDLAND, TX 79701	2H			
	10. Classification ☒ Oil ☐ Gas ☐ Other *(see instruction A)*		11. Effective Date	06/20/2017

12. Purpose of Filing. (Complete section a or b below.) *(See instructions B and G)*

a. Change of: ☐ operator ☐ oil or condensate gatherer ☐ gas gatherer ☐ gas purchaser ☐ gas purchaser system code
☐ field name from _____
☐ lease name from _____

OR

b. New RRC Number for: ☒ oil lease ☐ gas well ☐ other well (specify) _____ **Due to:** ☒ new completion or recompletion ☐ reclass oil to gas ☐ reclass gas to oil ☐ 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 *(Attach an additional sheet in same format if more space is needed)*	Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	JAMES LAKE MIDSTREAM LLC(429665)	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 *(Attach an additional sheet in same format if more space is needed)*	Percent of Take
SUNOCO PTNRS. MKTG.&TERMINALS LP(829626)	100.0

RRC USE ONLY: Reviewer's initials: RRC Staff Approval date: 01/17/2018

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

Signature

Name (print)

☐ **Authorized Employee of previous operator**

☐ **Authorized agent of previous operator** *(see instruction G)*

Title

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.

ELEVATION RESOURCES LLC
Name (print)

Curtis Flanagan
Signature

Eng. Tech
Title

☒ **Authorized Employee of current operator**

☐ **Authorized agent of current operator** *(see instruction G)*

cflanagan@elevationres.com
E-mail Address (optional)

08/22/2017
Date

(432) 688-3380
Phone with area code

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
PO Box 12967
Austin, Texas 78711-2967
www.rrc.state.tx.us

CERTIFICATE OF POOLING AUTHORITY

Revised 05/2001

P-12

1. Field Name(s)	2. Lease/ID Number *(if assigned)*	3. RRC District Number
All Fields		08
4. Operator Name	**5. Operator P-5 Number**	**6. Well Number**
Elevation Resources LLC	247756	2H
7. Pooled Unit Name	**8. API Number**	**9. Purpose of Filing**
UL G 9-46 Unit		☑ Drilling Permit (W-1)
10. County	**11.Total acres in pooled unit**	☐ Completion Report
Andrews	561.9	

DESCRIPTION OF INDIVIDUAL TRACTS CONTAINED WITHIN THE POOLED UNIT

TRACT/PLAT IDENTIFIER	TRACT NAME	ACRES IN TRACT *(See inst. #7 below)*	INDICATE UNDIVIDED INTERESTS UNLEASED	NON-POOLED
1	Tract 1	80.6	☐	☐
2	Tract 2	322.0	☐	☐
*3	Tract 3	159.3	☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐

CERTIFICATION:

I declare under penalties prescribed pursuant to the Sec. 91.143, Texas Natural Resources Code, that I am authorized to make the foregoing statements and that the information provided by me or under my direction on this Certificate of Pooling Authority is true, correct, and complete to the best of my knowledge.

Signature | Stewart Newton (Print Name)

Regulatory Consultant (Title) | stewart.newton@pghengineers.com (E-mail *(if available)*) | 02/01/2017 (Date) | (512) 480-8800 (Phone)

INSTRUCTIONS — Reference: Statewide Rules 31, 38 and 40

1. When two or more tracts are pooled to form a unit to obtain a drilling permit, file completion paperwork, or reform a pooled unit pursuant to Rule 38(d)(3) the operator must file an original Certificate of Pooling Authority and certified plat.
2. The certified plat shall designate each tract with an outline and a tract identifier. The tract identifier on the plat shall correspond to the tract identifier and associated information listed on the Certificate.
3. If within an individual tract, a non-pooled and/or unleased interest exists, indicate by checking the appropriate box.
4. If the Purpose of Filing is to obtain a drilling permit, in box #1 list all applicable fields separately or enter "All Fields" if the Certificate pertains to all fields requested on Form W-1.
5. If the Purpose of Filing is to file completion paperwork, enter the applicable field name in box #1 for the completion.
6. Identify the drill site tract with an * to the left of the tract identifier.
7. The total number of acres in the pooled unit in #11 should equal the total of all acres in the individual tracts listed.

GROUNDWATER PROTECTION DETERMINATION

Form GW-2

Groundwater Advisory Unit

Date Issued:	02 February 2017	**GAU Number:**	166673

Attention:	ELEVATION RESOURCES LLC 200 N LORAINE STE 1010 MIDLAND, TX 79701	**API Number:**	
		County:	ANDREWS
		Lease Name:	UL G 9-46 Unit
		Lease Number:	
Operator No.:	247756	**Well Number:**	2H
		Total Vertical Depth:	15000
		Latitude:	32.125989
		Longitude:	-102.553030
		Datum:	NAD27

Purpose: New Drill

Location: Survey-UL; Abstract-U282; Block-9; Section-46

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 250 feet, and the zone from 1050 to 1600 feet must be protected.

This recommendation is applicable for all wells drilled in this Lease.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

This determination is based on information provided when the application was submitted on 01/30/2017. 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.

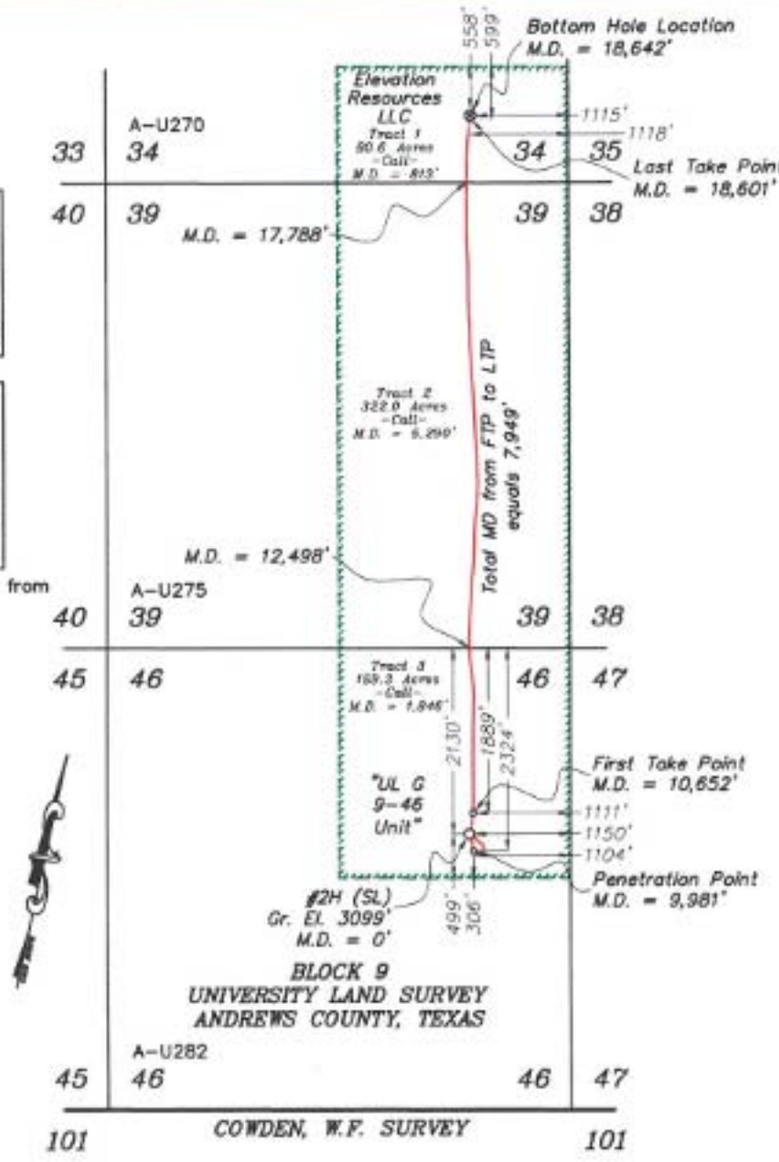
Groundwater Advisory Unit, Oil and Gas Division

W.O.: 2017-0037-1

UL G 9-46 Unit Acreage Allocation Table	
Tract 1	80.6 Acres
Tract 2	322.0 Acres
Tract 3	159.3 Acres
Total	561.9 Acres

UL G 9-46 Unit Measured Depth Allocation Table*	
Tract 1	813 M.D.
Tract 2	5,290 M.D.
Tract 3	1,846 M.D.
Total	7,949 M.D.

*Note: Allocations are measured from First Take Point to Last Take Point



	State Plane Coordinate		Geodetic (D.M.S.)		Geodetic (D.D.)	
Surface Location	X = 436,321.06	Y = 204,722.68	Lat = 32°07'33.62" N	Long = 102°33'09.40" W	Lat = 32.12600530° N	Long = 102.55261013° W
Penetration Point	X = 436,406.60	Y = 204,543.35	Lat = 32°07'31.89" N	Long = 102°33'08.28" W	Lat = 32.12552449° N	Long = 102.55229988° W
First Take Point	X = 436,307.56	Y = 204,966.59	Lat = 32°07'36.02" N	Long = 102°33'09.69" W	Lat = 32.12667320° N	Long = 102.55269159° W
Last Take Point	X = 434,576.68	Y = 212,707.34	Lat = 32°08'51.71" N	Long = 102°33'34.13" W	Lat = 32.14769733° N	Long = 102.55947953° W
Bottom Hole Location	X = 434,571.25	Y = 212,747.98	Lat = 32°08'52.11" N	Long = 102°33'34.21" W	Lat = 32.14780618° N	Long = 102.55950337° W

The UL G 9-46 Unit #2H is located approximately 13.0 miles South of Andrews, Texas.

Downhole Path based on Survey Report provided by VON Directional, LLC dated May 11, 2017.

Prepared From Survey Dated: January 18, 2017

2000 0 2000 4000

Graphic Scale in Feet

NOTE:
1) Plane Coordinates shown hereon are Lambert Grid and Conform to the "Texas Coordinate System", Texas North Central Zone, North American Datum of 1927, unless otherwise noted. Scale factor is 1.000169588.
2) Geodetic Coordinate shown hereon references the North American Datum of 1927, unless otherwise noted.
3) This plat is provided only for filing purposes with the Texas Railroad Commission and should not be construed as a boundary survey.
4) Measured Depth allocation is approximate and based on downhole report and take points as provided by client

Legend

- Denotes Downhole Directional Well Path
- Denotes Unit Boundary
- Denotes Tract Line
- Denotes Surface Well Location
- Denotes Take Points
- Denotes Bottom Hole Location

CERTIFICATION:
I hereby certify that this plat was made from notes taken in the field in a bona fide survey made under my supervision.

Lindsay Gygax Texas R.P.L.S. No. 6434

07-05-17

STATE OF TEXAS REGISTERED LINDSAY GYGAX 6434 PROFESSIONAL LAND SURVEYOR

WEST COMPANY
Land Surveyors ■ Civil Engineers
110 W. Louisiana Ave., Suite 110, Midland, Texas 79701
(432) 687-0865 - FAX (432)687-0868
FIRM Registration Number: 100662-00

ELEVATION RESOURCES

UL G 9-46 UNIT #2H DOWNHOLE REPORT

Crossing
Sections 46 and 39, Block 9
All in University Lands Survey
Andrews County, Texas

Scale: 1"= 2000'	W.O.: 2017-0037-1
Surveyed: 01/18/17	Drawn By: SC
File: I:\2017\2017-0037-1\2017-0037-1 UL G 9-46 2H As-Drilled.dwg	

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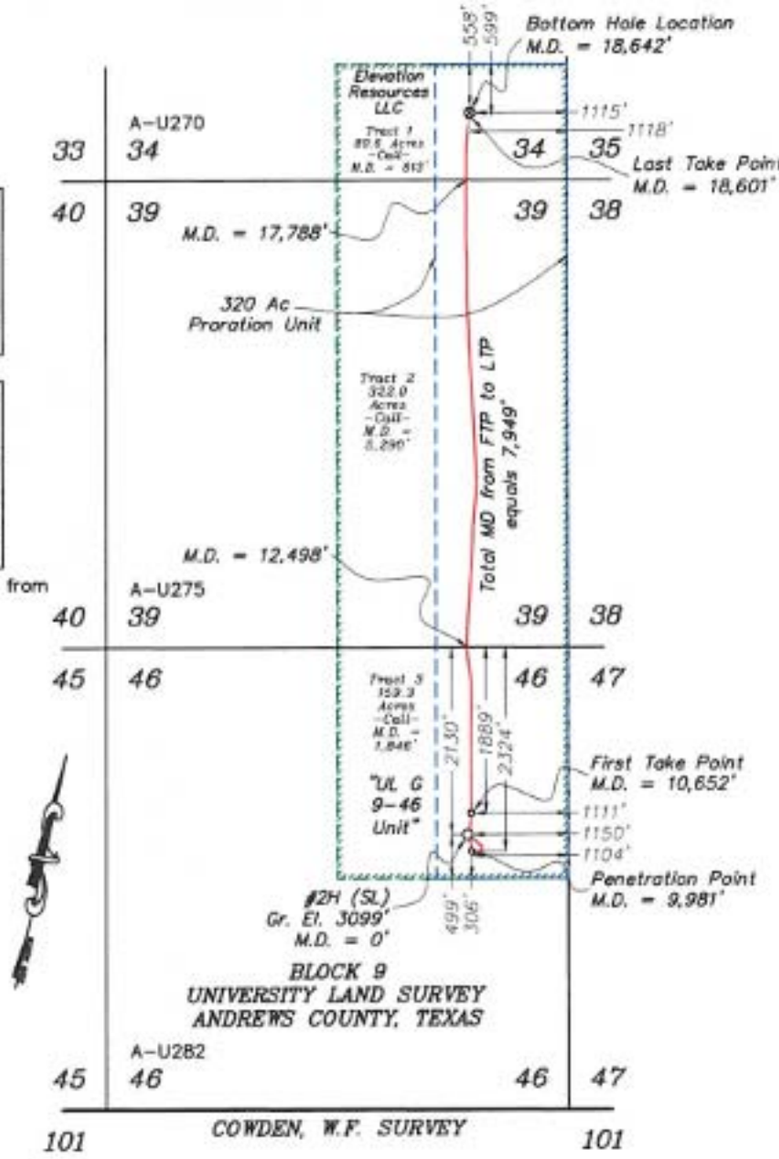

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Lindsay Gygax Texas R.P.L.S. No. 6434

10-19-17

WEST COMPANY
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(432) 687-0865 - FAX (432)687-0868
FIRM Registration Number: 100682-00

ELEVATION RESOURCES

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Crossing
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