



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
 Date: 06/09/2021
 Tracking No.: 249592

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION

Operator	QEP ENERGY COMPANY	Operator	684474
Operator	ATTN SOUTHERN DIV REGULATORY 1050 17TH ST SUITE 800 DENVER, CO 80265-0000		

WELL INFORMATION

API	42-003-48278	County:	ANDREWS
Well No.:	05SC	RRC District	08
Lease	UL 1933 E10	Field	SPRABERRY (TREND AREA)
RRC Lease	55774	Field No.:	85280300
Location	Section: 19, Block: 7, Survey: UL, Abstract: U200		
Latitude		Longitud	
This well is	17.9	miles in a	E
direction from	ANDREWS,		
which is the nearest town in the			

FILING INFORMATION

Purpose of	Well Record Only		
Type of	New Well		
Well Type:	Shut-In Producer	Completion or Recompletion	12/20/2020
Type of Permit		Date	Permit No.
Permit to Drill, Plug Back, or Rule 37 Exception		09/03/2020	864445
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION

Spud	11/17/2020	Date of first production after rig	12/20/2020
Date plug back, deepening, drilling operation	11/17/2020	Date plug back, deepening, recompletion, drilling operation	12/20/2020
Number of producing wells on this lease this field (reservoir) including this	0	Distance to nearest well in lease & reservoir	269.0
Total number of acres in	641.39	Elevation	2961 GL
Total depth TVD	9549	Total depth MD	21200
Plug back depth TVD		Plug back depth MD	
Was directional survey made other inclination (Form W-	Yes	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	16.0 Yes
Recompletion or	No	Multiple	No
Type(s) of electric or other log(s)	Gamma Ray (MWD)		
Electric Log Other Description:			
Location of well, relative to nearest lease of lease on which this well is	260.0 Feet from the	Off Lease :	No
	886.0 Feet from the	North Line and West Line of the	
		UL 1933 E10 Lease.	

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

Field & Reservoir	Gas ID or Oil Lease	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	300.0	Date	07/27/2020
SWR 13 Exception	Depth			

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of		Production
Number of hours	24	Choke
Was swab used during this	No	Oil produced prior to
PRODUCTION DURING TEST PERIOD:		
Oil		Gas
Gas - Oil	0	Flowing Tubing
Water		
CALCULATED 24-HOUR RATE		
Oil		Gas
Oil Gravity - API - 60.:		Casing
Water		

CASING RECORD

<u>Ro</u>	<u>Type of Casing</u>	<u>Casing Size (in.)</u>	<u>Hole Size</u>	<u>Setting Depth</u>	<u>Multi - Stage</u>	<u>Multi - Tool Stage</u>	<u>Multi - Shoe</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined By</u>
1	Surface	11 3/4	14 3/4	1874				PREM PLUS	985	1730.0	SURF ACE	Circulated to Surface
2	Intermediate	8 5/8	11	5846				PREM PLUS	1280	2351.0	SURF ACE	Circulated to Surface
3	Conventional Production	5 1/2	7 7/8	21195				C	2120	3530.0	1950	Calculation

LINER RECORD

<u>Ro</u>	<u>Liner Size</u>	<u>Hole Size</u>	<u>Liner Top</u>	<u>Liner Bottom</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined</u>
N/A									

TUBING RECORD

<u>Ro</u>	<u>Size (in.)</u>	<u>Depth</u>	<u>Size (ft.)</u>	<u>Packer Depth (ft.)/Type</u>
N/A				

PRODUCING/INJECTION/DISPOSAL INTERVAL

<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
N/A			

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

Was hydraulic fracturing treatment No

Is well equipped with a downhole 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

Ro	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
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FORMATION RECORD

<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
YATES	Yes	3131.0	3127.0	Yes	
SEVEN RIVERS	Yes	3432.0	3427.0	Yes	
QUEEN	Yes	4104.0	4099.0	Yes	
GRAYBURG	Yes	4684.0	4677.0	Yes	
SAN ANDRES - CO2 FLOOD, HIGH FLOWS, H2S, CORROSIVE HOLT	Yes	4840.0	4834.0	Yes	
	No			No	NOT ENCOUNTERED; FORMATION DOES NOT EXTEND INTO THIS DEVELOPMENT
GLORIETA	Yes	5700.0	5692.0	Yes	
CLEARFORK	Yes	6704.0	6696.0	Yes	
TUBB	Yes	7118.0	7109.0	Yes	
PERMIAN DETRITAL	No			No	NOT ENCOUNTERED; FORMATION NOT SEEN IN THIS AREA
LEON	Yes	8209.0	8200.0	Yes	
WICHITA ALBANY	No			No	NOT ENCOUNTERED; FORMATION DOES NOT EXTEND INTO THIS DEVELOPMENT
SPRABERRY	Yes	8409.0	8400.0	Yes	
DEAN	No			No	NOT ENCOUNTERED; BELOW TD
WOLFCAMP	No			No	NOT ENCOUNTERED; BELOW TD
CANYON	No			No	NOT ENCOUNTERED; BELOW TD
PENNSYLVANIAN	No			No	NOT ENCOUNTERED; BELOW TD
STRAWN	No			No	NOT ENCOUNTERED; BELOW TD
DEVONIAN	No			No	NOT ENCOUNTERED; BELOW TD
SILURIAN	No			No	NOT ENCOUNTERED; BELOW TD
FUSSELMAN	No			No	NOT ENCOUNTERED; BELOW TD
MCKEE	No			No	NOT ENCOUNTERED; BELOW TD
ELLENBURGER	No			No	NOT ENCOUNTERED; BELOW TD
PRECAMBRIAN (UNDIFFERENTIATED)	No			No	NOT ENCOUNTERED; BELOW TD
Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm					No
Is the completion being downhole commingled					No

REMARKS

WELL HAS NOT BEEN COMPLETED YET.

KOP @ 9,327'.

PER RRC REQUEST, THE P-16 HAS BEEN REMOVED. ONCE THE WELL HAS PERFS, A P-16 WILL BE FILED WITH THE IP.

RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :

TUBING RECORD:

WELL HAS NOT BEEN COMPLETED YET.

PRODUCING/INJECTION/DISPOSAL INTERVAL :

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

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed	Mackenzie Wall	Title:	
Telephone	(303) 308-3068	Date	06/03/2021



RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 08/2014

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

CEMENTING REPORT

OPERATOR INFORMATION	
Operator Name: QEP RESOURCES	Operator P-5 No.: 684474
Cementer Name: HALLIBURTON ENERGY SERVICES	Cementer P-5 No.: 347151

WELL INFORMATION		
District No.: 09	County: ANDREWS	
Well No.: #05SC	API No.: 42-003-48278	Drilling Permit No.: 864445
Lease Name: UL 1933 E10	Lease No.:	Pending
Field Name: Spraberry (Trend Area)	Field No.: 95280300	

I. CASING CEMENTING DATA			
Type of casing:	<input type="checkbox"/> Conductor	<input checked="" type="checkbox"/> Surface	<input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production
Drilled hole size (in.): 14 3/4	Depth of drilled hole (ft.): 1884	Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.): 11 3/4	Casing weight (lbs/ft) and grade: 42.55	No. of centralizers used: 14	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth shoe (ft.): 1874	Top of liner (ft.):	
		Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out: 24+	Calculated top of cement (ft.): Surface	Cementing date: 11/17/2020	

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	680	PREM PLUS	REMARKS	1324	3056
2	305	PREM PLUS	REMARKS	405	868
3					
Total	985			1730	3924

II. CASING CEMENTING DATA			
Type of casing:	<input type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> 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.)	Tapered string depth of drilled hole (ft.)		
Upper:	Lower:	Upper:	Lower:
Tapered string size of casing in O.D. (in.)	Tapered string casing weight(lbs/ft) and grade	Tapered string no. of centralizers used	
Upper:	Lower:	Upper:	Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> 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:	<input type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> 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.)	Tapered string depth of drilled hole (ft.)		
Upper:	Lower:	Upper:	Lower:
Tapered string size of casing in O.D. (in.)	Tapered string casing weight(lbs/ft) and grade	Tapered string no. of centralizers used	
Upper:	Lower:	Upper:	Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth tool (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

(SO#906817408) LEAD SLURRY: .25 LBM D-AIR, .30% HR-800, 3 LBM KOL-SEAL, .1250 LBM POLY-E-FLAKE / TAIL SLURRY: .25 POLY-E-FLAKE
 CIRCUITTED 346 SACKS 120 BBS BACK TO SURFACE

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.

MANUEL DOMINGUEZ SS II

Halliburton

Name and title of cementer's representative

Cementing Company

Signature

1301 W. Webb St.

Brownfield, Tx, 79316

575-392-0700

11/17/2020

Address

City, State, Zip Code

Tel: Area Code

Number

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.

Mackenzie LeBell

Reg Analyst

Manuel Dominguez

Typed or printed name of operator's representative

Title

Signature

1050 174 St, Ste 800

Denver, CO 80265

303-308-3068

5/6/21

Address

City, State, Zip Code

Tel: Area Code

Number

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 78711-2967).
- 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](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

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P.O. Box 12967
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Form W-15

Rev. 08/2014

CEMENTING REPORT

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

OPERATOR INFORMATION	
Operator Name: QEP RESOURCES	Operator P-5 No.: 684474
Cementer Name: HALLIBURTON ENERGY SERVICES	Cementer P-5 No.: 347151

WELL INFORMATION	
District No.: 02	County: ANDREWS
Well No.: #05SC	API No.: 47-003-48278 Drilling Permit No.: 864445
Lease Name: UL 1933 E10	Lease No.: Pending
Field Name: Strawberry (East Area)	Field No.: 85280300

I. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production					
Drilled hole size (in.): 11	Depth of drilled hole (ft.): 5866	Est. % wash-out or hole enlargement: 20			
Size of casing in O.D. (in.): 8 5/8	Casing weight (lbs/ft) and grade: 32.5-55	No. of centralizers used: 7			
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks.		Setting depth shoe (ft.): 5846	Top of liner (ft.):		
			Setting depth liner (ft.):		
Hrs. waiting on cement before drill-out: 10.5	Calculated top of cement (ft.): surface	Cementing date: 12/11/2020			

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	895	PREM PLUS	REMARKS	1836	7222
2	385	PREM PLUS	REMARKS	515	1910
3					
Total	1280			2351	9132

II. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> 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.)		Tapered string depth of drilled hole (ft.)			
Upper:	Lower:	Upper:	Lower:		
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> 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: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> 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.)		Tapered string depth of drilled hole (ft.)			
Upper:	Lower:	Upper:	Lower:		
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper:	Lower:	Upper:	Lower:	Upper:	Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO		Setting depth tool (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

(SO#906860867) LEAD SLURRY: NEOCEM / TAIL SLURRY: .40% HALAD, .45% HR-800
CIRCULATED 301 SACKS 110 BBS BACK TO SURFACE

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.

MANUEL DOMINGUEZ SS II

Halliburton

Name and title of cementer's representative	Cementing Company	Signature	
1301 W. Webb St.	Brownfield, Tx, 79316		12/11/2020
Address	City, State, Zip Code	Tel: Area Code Number	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.

Typed or printed name of operator's representative	Title	Signature
1050 17th St., Ste 800	Denver, CO 80265	303-388-3069
Address	City, State, Zip Code	Tel: Area Code Number
		Date: 9/6/20

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 78711-2967).
- 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](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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Rev. 08/2014

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

CEMENTING REPORT

OPERATOR INFORMATION

Operator Name: QEP RESOURCES	Operator P-5 No.: 684474
Cementer Name: HALLIBURTON ENERGY SERVICES	Cementer P-5 No.: 347151

WELL INFORMATION

District No.: 08	County: ANDREWS	
Well No.: 055C	API No.: 42-003-48278	Drilling Permit No.: 864445
Lease Name: UL 1993 E10	Lease No.: Pending	
Field Name: Spangberry (Trend Area)	Field No.: 85280300	

I. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input checked="" type="checkbox"/> Production		
Drilled hole size (in.): 7 7/8	Depth of drilled hole (ft.): 21,200	Est. % wash-out or hole enlargement: 20
Size of casing in O.D. (in.): 5 1/2	Casing weight (lbs/ft) and grade: 20 CP115	No. of centralizers used: 2/2
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.): 21,195	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: n/a	Calculated top of cement (ft.): 1950	Cementing date: 12/20/20

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	285	C		777	4367
2	1735	C		2491	14369
3	100	C		262	1489
Total	2120			3530	20225

II. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> 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.)	Tapered string depth of drilled hole (ft.)	
Upper:	Lower:	Upper:
Lower:	Upper:	Lower:
Tapered string size of casing in O.D. (in.)	Tapered string casing weight(lbs/ft) and grade	Tapered string no. of centralizers used
Upper:	Lower:	Upper:
Lower:	Upper:	Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> 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	0			0	0

III. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> 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.)	Tapered string depth of drilled hole (ft.)	
Upper:	Lower:	Upper:
Lower:	Upper:	Lower:
Tapered string size of casing in O.D. (in.)	Tapered string casing weight(lbs/ft) and grade	Tapered string no. of centralizers used
Upper:	Lower:	Upper:
Lower:	Upper:	Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth tool (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	0			0	0

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

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.

JERALD WATSON - Service Supervisor

Halliburton

Name and title of cementer's representative

Cementing Company

Signature

6155 W. Murphy St.

Odessa, TX, 79763

432-571-8600

12/20/20

Address

City, State, Zip Code

Tel: Area Code

Number

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.

Maackenzie Wall

Doc. Analyst

Maackenzie Wall

Address

City, State, Zip Code

Tel: Area Code

Number

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 78711-2967).
- 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](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.

CHRISTI CRADDICK, CHAIRMAN
RYAN SITTON, COMMISSIONER
WAYNE CHRISTIAN, COMMISSIONER



DANNY SORRELLS
DIRECTOR, OIL AND GAS DIVISION

JEFFERY MORGAN
DISTRICT DIRECTOR

RAILROAD COMMISSION OF TEXAS
OIL AND GAS

OPERATOR QEP ENERGY COMPANY
Address1: ATTN SOUTHERN DIV REGULATORY
Address2: 1050 17TH ST SUITE 800
City: DENVER
State: CO

RE Lease: UL 1933 E10
Well No: 05SC
Sec: 19 **Block** 7
County: ANDREWS
Survey Name: UL

SWR13EX Application 89048

Drilling Permit 864445

SWR 13 CASING EXCEPTION APPLICATION/ALTERNATIVE REQUEST

An extension to omit the installation of tubing in the above-referenced well is approved for a period of up to 180 days from the date the application was received or the date the well began producing, whichever occurred last.

RRC APPROVAL BY: Erik Hanson

DATE: 10/05/2020

JEFFERY MORGAN
DISTRICT DIRECTOR

Tracking No.: 249592

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: QEP ENERGY COMPANY	District No. 08	Completion Date: 12/20/2020
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 864445	
Lease Name UL 1933 E10	Lease/ID No. 55774	Well No. 05SC
County ANDREWS	API No. 42- 003-48278	

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). _____

Mackenzie Wall

Signature

QEP ENERGY COMPANY

Name (print)

Title

(303) 308-3068

Phone

05/06/2021

Date

-FOR RAILROAD COMMISSION USE ONLY-



Radial Cement Bond Gamma Ray CCL Log

Company QEP Resources Well UL 1933 E10 #05SC Field Spraberry (Trend Area) County Andrews State Texas	Company QEP Resources	
	Well UL 1933 E10 #05SC	
	Field Spraberry (Trend Area)	
	County Andrews	State Texas
Location: S19-7, UL Svy.		API #: 42-003-48278
		Other Services N/A
Permanent Datum		Ground Level Elevation 2962'
Log Measured From		Kelly Bushing 21' APD
Drilling Measured From		Kelly Bushing
		Elevation K.B. 2983' D.F. 2982' G.L. 2962'

Date	23-FEB-2021
Run Number	One
Depth Driller	21149'
Depth Logger	9698'
Bottom Logged Interval	9696'
Top Log Interval	Surface
Open Hole Size	8 1/2"
Type Fluid	Water
Density / Viscosity	N/A
Max. Recorded Temp.	168.3°F
Estimated Cement Top	3250'
Time Well Ready	ROA
Time Logger on Bottom	8:15 A.M.
Equipment Number	WL-3
Location	Odessa, TX
Recorded By	Rex Flores
Witnessed By	Randy Murray

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String	9 5/8"	40#	Surface	5846'
Production String	5 1/2"	20#	Surface	21149'
Liner				
Short Joint	8975'-8996'			

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Primary Log On Well

Thank You For Using United Casedhole Services!!!



Main Pass @ 0 PSI

**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.: 249592

1. Field name exactly as shown on proration schedule SPRABERRY (TREND AREA)		2. Lease name as shown on proration schedule UL 1933 E10		
3. Current operator name exactly as shown on P-5 Organization Report QEP ENERGY COMPANY		4. Operator P-5 no. 684474	5. Oil Lse/Gas ID no. 55774	6. County ANDREWS
8. Operator address including city, state, and zip code ATTN SOUTHERN DIV REGULATORY 1050 17TH ST SUITE 800 DENVER, CO 80265		9. Well no(s) (see instruction E) 05SC		
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)		11. Effective Date 12/20/2020
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 checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____ Due to: <input type="checkbox"/> new completion or recompletion <input 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
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
N/A				
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>06/09/2021</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 _____		Signature _____		
Name (print) _____		<input type="checkbox"/> Authorized Employee of previous operator		<input type="checkbox"/> 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.				
Name (print) <u>QEP ENERGY COMPANY</u>		Signature <u>Mackenzie Wall</u>		
Title _____		<input checked="" type="checkbox"/> Authorized Employee of current operator		<input type="checkbox"/> Authorized agent of current operator (see instruction G)
E-mail Address (optional) <u>Mackenzie.Wall@qepres.com</u>		Date <u>05/05/2021</u>		Phone with area code <u>(303) 308-3068</u>

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 27 July 2020 **GAU Number:** 278636

Attention:	QEP ENERGY COMPANY ATTN SOUTHERN DIV DENVER, CO 80265	API Number:	00000000
Operator No.:	684474	County:	ANDREWS
		Lease Name:	UL 1933 E1
		Lease Number:	
		Well Number:	01DN
		Total Vertical	9950
		Latitude:	32.392548
		Longitude:	-102.226582
		Datum:	NAD27

Purpose: New Production Well
Location: Survey-From Plat; Block-7

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 1400 to 1800 feet must be protected.

This recommendation is applicable for all wells drilled in this section 19 (A-U200).

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 07/24/2020. 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.
Rev. 02/2014



0 500 1000
1" = 1000 FEET

NAD 83 (HPGN) GRID
TEXAS NORTH CENTRAL ZONE

LEGEND

- SURVEY LINE
- LEASE LINE
- FOUND CONCRETE MONUMENT
- CALCULATED CORNER

SURFACE HOLE LOCATION

260' FNL 886' FWL LEASE
1080' FSL 1755' FEL SECTION 19

NAD 83 (HPGN)
Y = 6,845,893.12 X = 817,013.75
LAT: 32°23'30.09" N LONG: 102°13'52.45" W
LAT: 32.391690° N LONG: 102.231236° W

NAD 27
Y = 296,603.76 X = 540,193.76
LAT: 32°23'29.71" N LONG: 102°13'50.89" W
LAT: 32.391585° N LONG: 102.230802° W

PENETRATION POINT

36' FNL 1105' FWL LEASE
1284' FSL 1536' FEL SECTION 19

NAD 83 (HPGN)
Y = 6,846,161.14 X = 817,176.56
LAT: 32°23'32.79" N LONG: 102°13'50.66" W
LAT: 32.392442° N LONG: 102.230740° W

NAD 27
Y = 296,869.79 X = 540,359.12
LAT: 32°23'32.42" N LONG: 102°13'49.10" W
LAT: 32.392338° N LONG: 102.230306° W

FIRST TAKE POINT

346' FNL 1135' FWL LEASE
974' FSL 1506' FEL SECTION 19

NAD 83 (HPGN)
Y = 6,845,865.76 X = 817,275.60
LAT: 32°23'29.91" N LONG: 102°13'49.39" W
LAT: 32.391641° N LONG: 102.230385° W

NAD 27
Y = 296,573.47 X = 540,455.33
LAT: 32°23'29.53" N LONG: 102°13'47.82" W
LAT: 32.391536° N LONG: 102.229951° W

LAST TAKE POINT

103' FSL 1093' FWL LEASE
103' FSL 1549' FEL SECTION 33

NAD 83 (HPGN)
Y = 6,834,689.09 X = 819,824.17
LAT: 32°21'40.27" N LONG: 102°13'15.07" W
LAT: 32.361187° N LONG: 102.220852° W

NAD 27
Y = 285,372.86 X = 542,897.01
LAT: 32°21'39.89" N LONG: 102°13'13.51" W
LAT: 32.361080° N LONG: 102.220419° W

BOTTOM HOLE LOCATION

8' FSL 1089' FWL LEASE
8' FSL 1553' FEL SECTION 33

NAD 83 (HPGN)
Y = 6,834,595.65 X = 819,841.23
LAT: 32°21'39.35" N LONG: 102°13'14.83" W
LAT: 32.360931° N LONG: 102.220786° W

NAD 27
Y = 285,279.26 X = 542,913.18
LAT: 32°21'38.97" N LONG: 102°13'13.27" W
LAT: 32.360825° N LONG: 102.220353° W

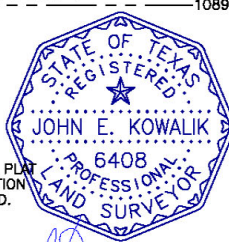
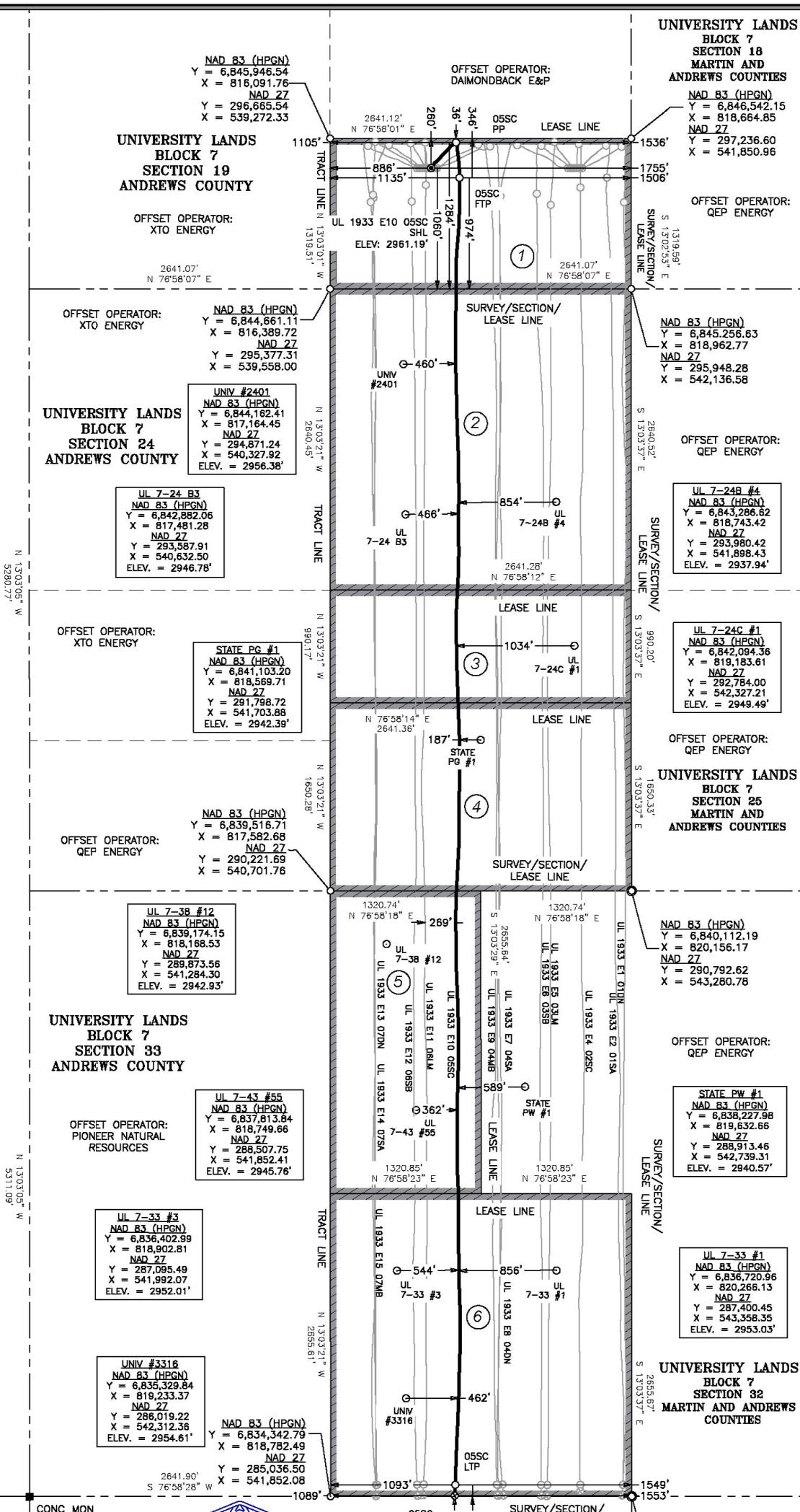
LEASE/CALLED	ACREAGE TABLE	LATERAL LENGTH
LEASE 1 #107149	80.00 ACRES	974.93'
LEASE 2 #107151	160.00 ACRES	2641.08'
LEASE 3 #114999	60.00 ACRES	990.76'
LEASE 4 #100453	100.00 ACRES	1651.16'
LEASE 5 #100454	80.463 ACRES	2856.35'
LEASE 6 #107162	160.925 ACRES	2554.14'
TOTAL	641.388 ACRES	N/A

GENERAL NOTES

1. COORDINATES SHOWN ARE BASED ON TEXAS COORDINATE SYSTEM OF NAD 83 (HPGN) "TEXAS NORTH CENTRAL ZONE", AND BASED ON "GLASS" NGSS MONUMENT (Y = 6,817,164.36, X = 834,131.39)
2. VERTICAL DATUM IS NAVD 88
3. LATITUDE AND LONGITUDE ARE NAD 83 (HPGN) AS SHOWN
4. AREA, DISTANCES, AND COORDINATES ARE "GRID"
5. UNITS ARE UNITED STATES SURVEY FOOT.
6. ALL LEASE AND TRACT INFORMATION SHOWN HERE ON IS DONE SO BY LIMITED DEED RECORD INFORMATION ONLY. ALL ACREAGES SHOWN ARE BY DEED AND LEASE CALL, EXCEPT WHERE NOTED. THIS IS NOT IN ANY WAY A "BOUNDARY SURVEY".



DATE: 05-25-2021
 DRAWN BY: RS
 CHECKED BY: JK
 FIELD CREW: N/A
 PROJECT NO: 2020060985
 SCALE: 1" = 1000'
 SHEET: 1 OF 1
 REVISION:



I HEREBY STATE THAT THIS PLAT SHOWS THE SUBJECT LOCATION AS STAKED ON THE GROUND.

John E. Kowalik
 JOHN E. KOWALIK
 REGISTERED PROFESSIONAL LAND SURVEYOR
 STATE OF TEXAS NO. 6408

PLAT OF:
 A PRE-COMPLETION AS-DRILL WELL LOCATION FOR:
QEP ENERGY COMPANY
 UL 1933 E10 05SC
 SITUATED IN THE UNIVERSITY LANDS, BLOCK 7, SECTION 19,
 THE UNIVERSITY LANDS, BLOCK 7, SECTION 24, AND THE
 UNIVERSITY LANDS SURVEY, BLOCK 7, SECTION 33 AND
 BEING APPROXIMATELY 17.9 MILES EAST OF ANDREWS IN
 ANDREWS COUNTY, TEXAS.

FSC INC
 SURVEYORS+ENGINEERS
 550 Bailey Ave., 205 - Fort Worth, TX 76107
 Ph: 817.349.9800 Fax: 979.732.5271
 TBPE Firm 17957 | TBPLS Firm 10193887