



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 03/02/2017
Tracking No.: 163053

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

OPERATOR INFORMATION

Operator Name: QEP ENERGY COMPANY Operator No.: 684474
Operator Address: ATTN SOUTHERN DIV REGULATORY 1050 17TH ST SUITE 800 DENVER, CO 80265-0000

WELL INFORMATION

API No.: 42-317-40420 County: MARTIN
Well No.: S 11SS RRC District No.: 08
Lease Name: UNIVERSITY 7-1726 Field Name: SPRABERRY (TREND AREA)
RRC Lease No.: 47848 Field No.: 85280300
Location: Section: 17, Block: 7, Survey: UL, Abstract: U23

Latitude: 32.4082 Longitude: -102.2075
This well is located 20.7 miles in a NORTHEAST
direction from MARTIN,
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: 09/05/2016

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	04/15/2016	814860
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 07/10/2016	Date of first production after rig released: 09/05/2016
Date plug back, deepening, recompletion, or drilling operation commenced: 07/10/2016	Date plug back, deepening, recompletion, or drilling operation ended: 08/12/2016
Number of producing wells on this lease in this field (reservoir) including this well: 8	Distance to nearest well in lease & reservoir (ft.): 129.0
Total number of acres in lease: 960.00	Elevation (ft.): 2933 GL
Total depth TVD (ft.): 9568	Total depth MD (ft.): 17202
Plug back depth TVD (ft.): 9511	Plug back depth MD (ft.): 17082
Was directional survey made other than inclination (Form W-12)? Yes	Rotation time within surface casing (hours): 202.0
Recompletion or reclass? No	Is Cementing Affidavit (Form W-15) attached? Yes
Type(s) of electric or other log(s) run: Gamma Ray (MWD)	Multiple completion? No
Electric Log Other Description:	
Location of well, relative to nearest lease boundaries	Off Lease : No
of lease on which this well is located: 300.0 Feet from the NW Line and 1582.0 Feet from the SW Line of the UNIVERSITY 7-1726 Lease.	

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

Field & Reservoir	Gas ID or Oil Lease No.	Well No.	Prior Service Type
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PACKET: N/A

W2:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination	Depth (ft.):	350.0	Date: 03/26/2014
SWR 13 Exception	Depth (ft.):		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION		
Date of test: 09/23/2016		Production method: Flowing
Number of hours tested: 24		Choke size: 0
Was swab used during this test?	No	Oil produced prior to test: 16734.00
PRODUCTION DURING TEST PERIOD:		
Oil (BBLS): 1378.00		Gas (MCF): 882
Gas - Oil Ratio: 640		Flowing Tubing Pressure: 332.00
Water (BBLS): 906		
CALCULATED 24-HOUR RATE		
Oil (BBLS): 1378.0		Gas (MCF): 882
Oil Gravity - API - 60.:	40.0	Casing Pressure: 157.00
Water (BBLS): 906		

CASING RECORD											
Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - 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	535			C	615	818.0	0	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	8195			C	725	1562.0	5528	Calculation
3	Intermediate	9 5/8	12 1/4	8195	5528		C	2055	4448.0	0	Circulated to Surface
4	Conventional Production	5 1/2	8 3/4	17197			H	1940	2958.0	6500	Calculation

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
N/A									

TUBING RECORD			
Row	Size (in.)	Depth	Size (ft.)
1	2 7/8	8954	
			Packer Depth (ft.)/Type
			/

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 9696	17082.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.				
Was hydraulic fracturing treatment performed?		Yes		
Is well equipped with a downhole actuation sleeve?		Yes		
If yes, actuation pressure (PSIG):		6386.0		
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:		10000		
Actual maximum pressure (PSIG) during hydraulic fracturing:		8206		
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	STAGE 1-32 TREATED WITH 213,823 BBLS WATER		9696 17082
2	Fracture	STAGE 1-32 TREATED WITH 10,0210,417 LBS PROPPANT		9696 17082

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
SANTA ROSA	Yes	1505.0	1505.0	Yes	NOT LOGGED; ESTIMATED, CEMENTED CASING
YATES	Yes	3070.0	3070.0	Yes	NOT LOGGED; ESTIMATED, CEMENTED CASING
QUEEN	Yes	4050.0	4050.0	Yes	NOT LOGGED; ESTIMATED, CEMENTED CASING
GRAYBURG	Yes	4600.0	4600.0	Yes	NOT LOGGED; ESTIMATED, CEMENTED CASING
SAN ANDRES - ACTIVE CO2 FLOOD; HIGH FLOWS; H2S; CO	Yes	4845.0	4845.0	Yes	NOT LOGGED; ESTIMATED, CEMENTED CASING
CLEARFORK	Yes	6528.0	6580.0	Yes	
LEONARD	Yes	8118.0	8170.0	Yes	
JOMILL	Yes	9192.0	9253.0	Yes	
CISCO	No			No	DID NOT ENCOUNTER
SPRABERRY	Yes	9230.0	9296.0	Yes	
DEAN	No			No	DID NOT ENCOUNTER
WOLFCAMP	No			No	DID NOT ENCOUNTER
PENNSYLVANIAN	No			No	DID NOT ENCOUNTER
STRAWN	No			No	DID NOT ENCOUNTER
MISSISSIPPIAN	No			No	DID NOT ENCOUNTER
FUSSELMAN	No			No	DID NOT ENCOUNTER
SILURIAN	No			No	DID NOT ENCOUNTER
DEVONIAN	No			No	DID NOT ENCOUNTER
ELLENBURGER	No			No	DID NOT ENCOUNTER
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

RRC REMARKS	
PUBLIC COMMENTS: [RRC Staff 2016-11-30 13:15:30.261] EDL=7315 feet, max acres=520, SPRABERRY (TREND AREA) oil well	
CASING RECORD :	
TUBING RECORD: KOP @ 9566'	
PRODUCING/INJECTION/DISPOSAL INTERVAL :	
ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :	
POTENTIAL TEST DATA:	

OPERATOR'S CERTIFICATION	
Printed Name: Melissa Luke	Title: Regulatory Affairs
Telephone No.: (303) 308-3610	Date Certified: 03/01/2017



RAILROAD COMMISSION OF TEXAS

1701 N. Congress

P.O. Box 12967

Austin, Texas 78701-2967

Form W-15

Rev. 08/2014

CEMENTING REPORT

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

OPERATOR INFORMATION	
Operator Name: QEP Energy Co.	Operator P-5 No.: 684474
Cementor Name: Allied OFS, LLC	Cementor P-5 No.: 014447

WELL INFORMATION	
District No.: 08	County: Martin
Well No.: #1155	API No.: Drilling Permit No.: 8148100
Lease Name: University 7-1726 S	Lease No.:
Field Name: Spralzem (Trend Area)	Field No.:

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.): 17 1/2	Depth of drilled hole (ft.): 585	Est. % wash-out or hole enlargement:		
Size of casing in O.D. (in.): 13 3/8	Casing weight (lbs/ft) and grade: 54.5 J-55		No. of centralizers used:		
Was cement circulated to ground surface (or bottom of cellar) outside casing? If no for surface casing, explain in Remarks: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth shoe (ft.): 535		Top of liner (ft.):		
Hrs. waiting on cement before drill-out: 1	Calculated top of cement (ft.): SURFACE		Cementing date: 7/11/2016		
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	615	CLASS C		817.95	585
2					
3					
Total	615			817.95	585

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 casing weight (lbs/ft) and grade:		Tapered string no. of centralizers used:		
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth shoe (ft.):		Cementing date: 6/27/2016		
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):				
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.):		Cementing date: 6/27/2016		
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):				
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

615 SKS OF CLASS C CEMENT AT 14.8# WITH .53% CALCIUM CHLORIDE, .25 LB/SK FLO SEAL CEMENT TO THE 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.

ALBERT SNYDER SS2	Allied OFS, LLC	<i>Albert Snyder</i>
Name and title of cementer's representative	Cementing Company	Signature
8711 W. CR 127	Midland Texas 79706	(432) 563-4440
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.

<i>Melissa Luke</i>	<i>Regulatory Analyst</i>	<i>Melissa Luke</i>
Typed or printed name of operator's representative	Title	Signature
1050 17th St. Suite 800 Denver, CO 80202	City, State, Zip Code	(303) 675-1860 02/10/2017
Address		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.

- 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 representatives. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- How to file:** An oil and gas completion report and form W-15 may be filed online using the Commissioner's Online System (<https://webapps.crc.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 78711-2697).
- Surface Casings:** 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=RulePage?cl=R&app=9&p_dir=&p_loc=&p_doc=&pg=1&p_toc=&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.
- Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a collar log to show how the estimated % wash-out was obtained.
- Multi-stage cement:** An operator must report the multi-stage cement shoe in II, Casing Cement 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.
- 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.
- 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.

OPERATOR INFORMATION	
Operator Name: QEP Energy Co.	Operator P-5 No.: 684474
Cementer Name: Allied OFS, LLC	Cementer P-5 No.: 014447

WELL INFORMATION	
District No.: 08	County: Martin
Well No.: #1155	API No.: Drilling Permit No.: 8148100
Lease Name: University 7-1726 S	Lease No.:
Field Name: Sprakery (Trend Area)	Field No.:

I. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production					
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:			
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO		Setting depth shoe (ft.):	Top of liner (ft.):		
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):	Cementing date: 7/17/2016		
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1					
2					
3					
Total					

II. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input checked="" type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.): 12 1/4	Depth of drilled hole (ft.): 8215	Est. % wash-out or hole enlargement: 80%			
Size of casing in O.D. (in.): 9 5/8	Casing weight (lbs/ft) and grade: 40.0/HCL-80	No. of centralizers used:			
Tapered string drilled hole size (in.):	Tapered string drilled hole size (in.):				
Tapered string size of casing in O.D. (in.):	Tapered string casing weight (lbs/ft) and grade:	Tapered string no. of centralizers used: 15			
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.): 8195			
Hrs. waiting on cement before drill-out: 24+	Calculated top of cement (ft.): 0	Cementing date: 7/17/2016			
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	515	CLASS C	REMARKS #1	1251.45	3998
2	210	CLASS C	REMARKS #2	310.8	860.5
3					
Total	725			1562.25	4858.5

III. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input checked="" type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.): 12 1/4	Depth of drilled hole (ft.): 8215	Est. % wash-out or hole enlargement: 150%			
Size of casing in O.D. (in.): 9 5/8	Casing weight (lbs/ft) and grade: 40.0/HCL-80	No. of centralizers used: 15			
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 checked="" type="checkbox"/> NO		Setting depth tool (ft.): 5528			
Hrs. waiting on cement before drill-out: 24+	Calculated top of cement (ft.): 0	Cementing date: 7/17/2016			
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	1585	CLASS C	REMARKS #3	3804	3463
2	470	CLASS C	REMARKS #4	644	2062
3					
Total	2055			4448	5525

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.

Kelly Hamden Regulatory Analyst Kelly Hamden
Typed or printed name of operator's representative Title Signature
1050 17th St. Suite 800 Denver, CO. 80265 303-405-1630 10/05/16
Address City, State, Zip Code Tel: Area Code Number Date, mo. day, yr.

- 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 representatives. 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 Commissioner'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 78711-2697).
- 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/readtacSext.TacPage?sl=R&app=9&p_dir=&p_loc=&p_tloc=&pg=1&p_tac=&ti=16&pt=1&ch=3&url=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 Cement 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.

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

WELL INFORMATION	
District No.: 08	County: MARTIN
Well No.: S 1155	API No.: Drilling Permit No.: 814860
Lease Name: UNIVERSITY 7-1726	Lease No.:
Field Name: Spraberry (Trend Area)	Field No.:

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.): 8 3/4	Depth of drilled hole (ft.): 17,202	Est. % wash-out or hole enlargement: 15%	
Size of casing in O.D. (in.): 5 1/2	Casing weight (lbs/ft) and grade: 20.0/HCP	No. of centralizers used:	
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.): 17,197	Top of liner (ft.):
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.): 6500	Cementing date:

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1840	H	SEE REMARKS	2696	11142
2	100	H	SEE REMARKS	262	1118
3					
Total	1940			2958	12260

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	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:		
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

LEAD- .15% HR-601, .25% D-AIR 5000, .075% SA-1015, .15% CFR-3, .6% HALAD-344
 TAIL- 5LBM SILICA FUME, .5% HR-601, .25LBM D-AIR 5000, .7% HALAD-344

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.

JASON WELTON - SSIII

Halliburton

Name and title of cementer's representative

Cementing Company

6155 W. Murphy St.

Odessa, TX, 79763

Signature

432-571-8600

8/13/16

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. Suite 800 Denver, CO. 80265

City, State, Zip Code

303-405-6630

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.

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

Tracking No.: 163053

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: QEP ENERGY COMPANY	District No. 08	Completion Date: 09/05/2016
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 814860	
Lease Name UNIVERSITY 7-1726	Lease/ID No. 47848	Well No. S 11SS
County MARTIN	API No. 42- 317-40420	

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). _____

Kelly Hamden

Signature

QEP ENERGY COMPANY

Name (print)

Regulatory Analyst

Title

(303) 405-6630

Phone

10/14/2016

Date

-FOR RAILROAD COMMISSION USE ONLY-

**Crescent Directional Drilling**

Tyrell Whitehead
Midland, Tx.
(325)260-9739

UNIVERSITY 7-1726 S 011SS**Scale 5":100' - TVD****8/12/2016 9:43 AM****Oper. Company:** QEP**Well:** UNIVERSITY 7-1726 S 011SS**Field:** SPRABERRY**Rig:** UNIT 401**Well ID:** 42-317-40420**Job Number:** PB-161201**State:** TEXAS**County:** MARTIN**Country:** USA**Location:** Tarzan**Start Date:** 08/05/2016 01:30:00**End Date:** 08/12/2016 09:30:00

Latitude: 32.2429521
Longitude: -102.1225990

Elev KB: 2954'
Elev DF: 2954'
Elev GL: 2933'

Operator 1: Chris Gayhart**Operator 2:** Barrett Blevins

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	HEK-479	HEK-241	HEG-185-7	HEJ253-11	
Bit Size	8 3/4				
Cal Factor	1.14	1.125	1.231	1.128	
Survey Offset:	57.00	52.00	60.00	61.00	
Gamma Offset	42.00	0.00	0.00	0.00	
Resisitivity Offset	0.00	0.00	0.00	0.00	
Start Depth	8993.00	9566.00	9795.00	14905.00	
StartDate	8/4/2016	8/6/2016	8/7/2016	8/10/2016	
StartTime	21:00	01:15	06:15	12:00	
EndDepth	9566.00	9795.00	14905.00	17202.00	
EndDate	8/6/2016	8/7/2016	8/10/2016	8/11/2016	
EndTime	12:15	05:30	10:30	07:32	
Mud Type	OBM				
Mud Weight	8.6				
Funnel Viscosity	54				
Plastic Viscosity	15				
Yield Point	13				
Solids Content	7.6				
Sand Content	0				

Hole Data			Casing Data		
Size	From	To	Size	From	To
13.375	0.00	529.00	13.375	0.00	529.00
9.625	529.00	8217.00	9.625	529.00	8217.00
8.5	8217.00	17202.00	8.5	8217.00	17202.00

BHA Data

Picture	Type	Length	Description
	Bit	1	MDSi613, 6-18's, JM3195
	Motor	30.69	MS, 1.5 fxd, 7/8, 6.4, 87D1575,2SB
	Sub1	5.63	8", NM IBS, ASM8028
	Sub1	2.41	UBHO, CD650142

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.: 163053

1. Field name exactly as shown on proration schedule SPRABERRY (TREND AREA)		2. Lease name as shown on proration schedule UNIVERSITY 7-1726																																													
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 47848	6. County MARTIN	7. RRC district 08																																										
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) <i>(see instruction E)</i> S 11SS																																													
12. Purpose of Filing. (Complete section a or b below.) <i>(See instructions B and G)</i> 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 Due to: <input checked="" type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> other well (specify) _____ <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other <i>(see instruction A)</i>		11. Effective Date 09/05/2016																																											
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). <i>(See instruction G).</i> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 5%;">Gatherer</th> <th style="width: 5%;">Purchaser</th> <th style="width: 65%;">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></th> <th style="width: 15%;">Purchaser's RRC Assigned System Code</th> <th style="width: 10%;">Percent of Take</th> <th style="width: 5%;">Full-well stream</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">X</td> <td></td> <td>WILLIAMS MLP OPERATING LLC(925429)</td> <td></td> <td style="text-align: center;">100.0</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">X</td> <td>ETC TEXAS P/L, LTD(255104)</td> <td style="text-align: center;">0001</td> <td style="text-align: center;">50.0</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">X</td> <td>WTG GAS PROCESSING, L.P.(945227)</td> <td style="text-align: center;">0003</td> <td style="text-align: center;">50.0</td> <td></td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>						Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left <i>(Attach an additional sheet in same format if more space is needed)</i>	Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream	X		WILLIAMS MLP OPERATING LLC(925429)		100.0			X	ETC TEXAS P/L, LTD(255104)	0001	50.0			X	WTG GAS PROCESSING, L.P.(945227)	0003	50.0																			
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	X	WTG GAS PROCESSING, L.P.(945227)	0003	50.0																																											
14. Authorized OIL or CONDENSATE Gatherer(s). <i>(See instruction G).</i> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 85%;">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></th> <th style="width: 15%;">Percent of Take</th> </tr> </thead> <tbody> <tr> <td>PLAINS MARKETING, L.P.(667883)</td> <td style="text-align: center;">50.0</td> </tr> <tr> <td>RELIANCE GATHERING, LLC(701107)</td> <td style="text-align: center;">50.0</td> </tr> <tr><td></td><td></td></tr> </tbody> </table>						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	PLAINS MARKETING, L.P.(667883)	50.0	RELIANCE GATHERING, LLC(701107)	50.0																																				
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RELIANCE GATHERING, LLC(701107)	50.0																																														
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>03/02/2017</u>																																															
15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.																																															
Name of Previous Operator _____ Name (print) _____ Title _____		Signature <input type="checkbox"/> Authorized Employee of previous operator <input type="checkbox"/> Authorized agent of previous operator <i>(see instruction G)</i> _____ 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.																																															
QEP ENERGY COMPANY Name (print) <u>Regulatory Analyst</u> Title <u>Kelly.Hamden@qepres.com</u> E-mail Address (optional)		Kelly Hamden Signature <input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator <i>(see instruction G)</i> _____ Date <u>10/14/2016</u> Phone with area code <u>(303) 405-6630</u>																																													

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

DAVID PORTER, CHAIRMAN
CHRISTI CRADDICK, COMMISSIONER
RYAN SITTON, COMMISSIONER



LORI WROTENBERY
DIRECTOR, O&G DIVISION

1701 N. CONGRESS

CAPITOL STATION - P.O. BOX 12967 AUSTIN, TEXAS 78711-2967

08/23/2016

FORM P-4 NOTIFICATION (OIL LEASE)

OPERATOR

QEP ENERGY COMPANY
ATTN SOUTHERN DIV REGULATORY
1050 17TH ST SUITE 800
DENVER CO 80265

* * * * *
THE FOLLOWING RRC FORM P-4 "PRODUCER'S CERTIFICATE OF COMPLIANCE AND
AUTHORIZATION TO TRANSPORT OIL AND/OR CASINGHEAD GAS FROM AN OIL LEASE
OR GAS AND/OR CONDENSATE FROM A GAS WELL" FILED BY:

QEP ENERGY COMPANY P-5 NO. 684474
ATTN SOUTHERN DIV REGULATORY PHONE: (303) 672-6900
1050 17TH ST SUITE 800
DENVER CO 80265

HAS BEEN APPROVED ON AUGUST 23, 2016 .

* * * * *

DISTRICT : 08 FIELD NAME: SPRABERRY (TREND AREA)
COUNTY : ANDREWS FIELD NO. : 85280 300
EFF. DATE: 08/16/2015 LEASE NAME: UNIVERSITY 7-1726
LEASE NO : 47848

FOR THE PURPOSE OF: NEW OIL LEASE

NAMED ON THE P-4:

TYPE	NAME	CODE	PRODUCT	% OF TAKE
GATHERER	PLAINS MARKETING, L.P.	PLAML	OIL	050.000
GATHERER	RELIANCE GATHERING, LLC	RELIG	OIL	050.000
GATHERER	WILLIAMS MLP OPERATING LLC	WILMP	CAS	100.000
PURCHASER	ETC TEXAS P/L, LTD	255104	CAS	050.000
	SYSTEM: 0001 SYSTEM 1			
PURCHASER	WTG GAS PROCESSING, L.P.	945227	CAS	050.000
	SYSTEM: 0003 SALE RANCH PLANT			

PLEASE NOTIFY THE AUSTIN OFFICE OF THE RAILROAD COMMISSION IF ANY OF THE
ABOVE INFORMATION IS NOT CORRECT.

APPROVED BY
LORI WROTENBERY
DIRECTOR, O&G DIVISION
OIL AND GAS DIVISION

CC: RRC-08, AND ALL NAMED PARTIES

CERTIFICATE OF POOLING AUTHORITY

Revised 05/2001

P-12

1. Field Name(s) SPRABERRY (TREND AREA)	2. Lease/ID Number (if assigned)	3. RRC District Number 08
4. Operator Name QEP ENERGY COMPANY	5. Operator P-5 Number 684474	6. Well Number S 11SS
7. Pooled Unit Name UNIVERSITY 7-1726	8. API Number	9. Purpose of Filing <input checked="" type="checkbox"/> Drilling Permit (W-1) <input type="checkbox"/> Completion Report
10. County MARTIN	11. Total acres in pooled unit 960.0	

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
A	UNIVERSITY 7-1726	320.0	<input type="checkbox"/>	<input type="checkbox"/>
B	UNIVERSITY 7-1726	320.0	<input type="checkbox"/>	<input type="checkbox"/>
C	UNIVERSITY 7-1726	160.0	<input type="checkbox"/>	<input type="checkbox"/>
D	UNIVERSITY 7-1726	160.0	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

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.

Kelly Hamden

Signature

Kelly Hamden

Print Name

Regulatory Analyst

Kelly.Hamden@qepres.com

04/05/2016

(303) 405-6630

Title

E-mail (if available)

Date

Phone

INSTRUCTIONS — Reference: Statewide Rules 31, 38 and 40

- 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.
- 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.
- If within an individual tract, a non-pooled and/or unleased interest exists, indicate by checking the appropriate box.
- 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.
- If the Purpose of Filing is to file completion paperwork, enter the applicable field name in box #1 for the completion.
- Identify the drill site tract with an * to the left of the tract identifier.
- The total number of acres in the pooled unit in #11 should equal the total of all acres in the individual tracts listed.

Clear Form

RAILROAD COMMISSION OF TEXAS

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

Form P-16

Page 1

Rev. 01/2016

Acreage Designation

SECTION I. OPERATOR INFORMATION

Operator Name: QEP ENERGY COMPANY	Operator P-5 No.: 684474
Operator Address: 1050 17TH STREET SUITE 800 DENVER, CO 80265	

SECTION II. WELL INFORMATION

District No.: 08	County: MARTIN	Purpose of Filing: <input type="checkbox"/> Drilling Permit Application (Form W-1) <input checked="" type="checkbox"/> Completion Report (Form G-1/W-2)
Well No.: S 13SS	API No.: 317-40421	
Total Lease Acres: 960.0	Drilling Permit No.: 814863	
Lease Name: UNIVERSITY 7-1726	Lease No.: 47848	
Field Name: SPRABERRY (TREND AREA)	Field No.: 85280300	

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

SECTION III. LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER

[illegible]

Total Well Count >	7	960	< A. Total Assigned Horiz. Acreage	960	< C. Total Assigned Acreage
		0	< Total Remaining Horiz. Acreage	0	< Total Remaining Acreage
		1015.11	< B. Total Assigned Vert./Dir. Acreage		
		0	< Total Remaining Vert./Dir. Acreage		

SECTION IV. REMARKS / PURPOSE OF FILING (see instructions)

Please see attachment 1A for separate University 7-1726 vertical wells.

Attach Additional Pages As Needed.

☐ No additional pages

Additional Pages: 1 (No. of additional pages)

CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that this report was prepared by me or under my supervision or direction, that I am authorized to make this report, and that the information contained in this report is true, correct, and complete to the best of my knowledge.

Signature

Melissa Luke

melissa.luke@qepres.com

Name and title (type or print)

Email (include email address *only* if you affirmatively consent to its public release)

1050 17th Street Suite 800

Denver CO 80265

303 575-1860

02/07/2017

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.



RAILROAD COMMISSION OF TEXAS

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

P-16 Data Sheet

Attachment

Page 1A

Rev. 09/2014

Acreage Designation Attachment

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

SECTION III (CONTINUED). LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER

RRC ID No. or Lease No.	Well No.	H-Horizontal D-Directional V-Vertical	Lease Name	API No.	Acre Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)
38529	1	V	UNIVERSITY 7-17 (TRACT A)	317-34987	40.0	N	
38529	2	V	UNIVERSITY 7-17	317-35348	40.0	N	
38529	4	V	UNIVERSITY 7-17	317-35880	40.0	N	
38529	5	V	UNIVERSITY 7-17	317-39570	40.0	Y	
38529	6	V	UNIVERSITY 7-17	317-39255	80.0	Y	
38529	7	V	UNIVERSITY 7-17	317-39360	80.0	Y	
36620	1	V	UNIVERSITY 7-17B (TRACT B)	317-35869	80	N	
36620	2	V	UNIVERSITY 7-17B	317-36062	80	N	
36620	3	V	UNIVERSITY 7-17B	317-35131	40	N	
36620	4	V	UNIVERSITY 7-17B	317-36129	40	N	
36620	9	V	UNIVERSITY 7-17B	317-39884	80	Y	
36620	20	V	STATE OF TEXAS AR	317-31472	0	N	
38533	1	V	UNIVERSITY 7-26 (TRACT C)	317-34988	80.0	N	
38533	2	V	UNIVERSITY 7-26	317-36980	40.0	Y	
38533	5	V	UNIVERSITY 7-26	317-35851	80.0	N	
41328	1	V	UNIVERSITY 7-28 SWD	317-36587	0.0	N	
38870	2	V	UNIVERSITY 7-26B (TRACT D)	317-35486	40	N	
38870	3	V	UNIVERSITY 7-26B	317-36508	35	N	
38870	9	V	UNIVERSITY 7-26B	317-38024	40.06	Y	
38870	10	V	UNIVERSITY 7-26B	317-38047	40.05	Y	
38870	12	V	UNIVERSITY 7-26B	317-36658	20	Y	
			*Please note: Tracts C & D do not encompass remaining lease acreage outside of this pooled unit.				
Total Well Count >	21	0.0	< A. Total Assigned Horiz. Acreage	1015.11	< C. Total Assigned Acreage		
		0.0	< Total Remaining Horiz. Acreage		< Total Remaining Acreage		
		1015.11	< B. Total Assigned Vert./Dir. Acreage				
		0.0	< Total Remaining Vert./Dir. Acreage				

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Form GW-2

Date **March 26, 2014**

GAU File No.: **9400**

***** EXPEDITED APPLICATION *****

API Number **31700000**

Attention: **TRACY SIMPSON-REGULATORY**

RRC Lease No. **000000**

SC_684474_31700000_000000_9400.pdf

**QEP ENERGY CO
6100 S YALE AVE
STE 900
TULSA OK 74136**

--Measured--

2172 ft FWL

1828 ft FNL

MRL:SECTION

Digital Map Location:

X-coord/Long **548668**

Y-coord/Lat **300928**

Datum **27** Zone **NC**

P-5# 684474

County **MARTIN**

Lease & Well No. **UNIVERSITY 7-17 #7&ALL**

Purpose **ND**

Location **SUR-UL,BLK-7,SEC-17,--[TD=12000],[RRC 8],**

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 350 feet must be protected.

**This recommendation is applicable to all wells drilled in this N
1/2 SECTION 17 ON 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 intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,

George Dunfield, P.G.

GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by George Dunfield on 3/26/2014
Note: Alteration of this electronic document will invalidate the digital signature.

PLOT DATE: 10/12/16 5:25 P.M.