



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 06/26/2017
Tracking No.: 172335

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.: 42-317-40526 County: MARTIN
Well No.: N 05SC RRC District No.: 08
Lease Name: UNIVERSITY 7-0213 Field Name: SPRABERRY (TREND AREA)
RRC Lease No.: 47768 Field No.: 85280300
Location: Section: 13, Block: 7, Survey: UL, Abstract:

Latitude: 32.41436 Longitude: -102.18301
This well is located 22.1 miles in a NORTHEAST
direction from ANDREWS,
which is the nearest town in the county.

FILING INFORMATION

Purpose of filing: Initial Potential
Type of completion: New Well
Well Type: Producing Completion or Recompletion Date: 02/18/2017

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	08/08/2016	817401
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 09/30/2016	Date of first production after rig released: 02/18/2017
Date plug back, deepening, recompletion, or drilling operation commenced: 09/30/2016	Date plug back, deepening, recompletion, or drilling operation ended: 11/06/2016
Number of producing wells on this lease in this field (reservoir) including this well: 6	Distance to nearest well in lease & reservoir (ft.): 238.0
Total number of acres in lease: 640.00	Elevation (ft.): 2910 GL
Total depth TVD (ft.): 9504	Total depth MD (ft.): 19755
Plug back depth TVD (ft.): 9407	Plug back depth MD (ft.): 19637
Was directional survey made other than inclination (Form W-12)? Yes	Rotation time within surface casing (hours): 66.5
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 : Yes
of lease on which this well is located: 120.0 Feet from the North Line and 1077.0 Feet from the East Line of the UNIVERSITY 7-0213 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: 08/22/2016
SWR 13 Exception		Depth (ft.):	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION		
Date of test: 02/20/2017		Production method: Pumping
Number of hours tested: 24		Choke size: 0
Was swab used during this test?	No	Oil produced prior to test: 1213.05
PRODUCTION DURING TEST PERIOD:		
Oil (BBLs): 1976.98		Gas (MCF): 818
Gas - Oil Ratio: 413		Flowing Tubing Pressure: 320.00
Water (BBLs): 2528		
CALCULATED 24-HOUR RATE		
Oil (BBLs): 1977.0		Gas (MCF): 818
Oil Gravity - API - 60.:	40.0	Casing Pressure: 280.00
Water (BBLs): 2528		

CASING RECORD											
Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Stage Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	13 3/8	17 1/2	536			C	615	824.0	SURF ACE	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	8128		8128	C	700	1515.0	5551	Calculation
3	Intermediate	9 5/8	12 1/4	8128	5553		C	2045	4408.0	SURF ACE	Circulated to Surface
4	Conventional Production	5 1/2	8 3/4	19749			H/C	2440	3688.0	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			
<u>Row</u>	<u>Size (in.)</u>	<u>Depth Size (ft.)</u>	<u>Packer Depth (ft.)/Type</u>
1	2 7/8	8892	/

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 9760	19637.0

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):		5627.0		
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:		10000		
Actual maximum pressure (PSIG) during hydraulic fracturing:		9089		
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	Acid	64,000 GAL 15% HCL ACID		9760 19637
2	Fracture	728,797 LBS 100 MESH; 6,076,124 LBS 30/50		9760 19637

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	6508.0	6516.0	Yes	
LEONARD	Yes	8069.0	8079.0	Yes	
CISCO	No			No	DID NOT ENCOUNTER
SPRABERRY	Yes	8295.0	8292.0	Yes	
JOMILL	Yes	9155.0	9175.0	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
KOP @ 8,970' DIRECTIONAL SURVEY ATTACHED LOG SUBMITTED VIA FEDEX 05/02/2017

RRC REMARKS	
PUBLIC COMMENTS: [RRC Staff 2017-05-03 13:20:10.787] EDL=9877 feet, max acres=640, SPRABERRY (TREND AREA) oil well	
CASING RECORD :	
TUBING RECORD:	
PRODUCING/INJECTION/DISPOSAL INTERVAL :	
ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :	
POTENTIAL TEST DATA:	

OPERATOR'S CERTIFICATION	
Printed Name: Melissa Luke	Title: Regulatory Affairs
Telephone No.: (303) 575-1860	Date Certified: 05/02/2017



RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 08/2014

CEMENTING REPORT

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

OPERATOR INFORMATION

Operator Name:	QEP Energy Co.	Operator P-5 No.:	084474
Cementer Name:	Allied OFS, LLC	Cementer P-5 No.:	014442

WELL INFORMATION

District No.:	08	County:	Martin
Well No.:	05SC	API No.:	317-405260
Lease Name:	University 7-0213	Drilling Permit No.:	017401
Field Name:	Spradberry (Trend Area)	Lease No.:	477108
		Field No.:	85280300

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.):	17.5in	Depth of drilled hole (ft.):	536 ft	Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):	13.375in	Casing weight (lbs/ft) and grade:	54.5 lb/ft	No. of centralizers used: 6	
Was cement circulated to ground surface (or bottom of cellar) outside casing? If no for surface casing, explain in Remarks.		Setting depth shoe (ft.):		Top of liner (ft.):	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		536		Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out:	17.5 hrs	Calculated top of cement (ft.):	Surface	Cementing date:	10/7/2016

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	615	C	REMARKS	824.1	1188
2					
3					
Total	615			824.1	1188

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 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		
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

C, CACL .53%, FLO-SEAL .25 #/SK, circulated 78 bbl/327 sks of cement 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.

Rey Rodriguez	Allied OFS, LLC		
Name and title of cementer's representative	Cementing Company	Signature	
8711 W. CR 127	Midland Texas 79706	(432) 563-4440	10/7/2016
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.

Melissa Luke	Regulatory Analyst		
Typed or printed name of operator's representative	Title	Signature	
1050 17th St. Ste. 800 Denver, CO 80205		(303) 675 1800	05/02/17
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 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/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&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=&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 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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CEMENTING REPORT

Form W-15

Rev. 08/2014

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

OPERATOR INFORMATION	
Operator Name: QEP Energy Co.	Operator P-5 No.: 084474
Cementer Name: Allied OFS, LLC	Cementer P-5 No.: 014442

WELL INFORMATION	
District No.: 08	County: Martin
Well No.: #05SC	API No.: 317-40526
Lease Name: University 7-0213 N	Drilling Permit No.: 814401
Field Name: Spraberry (Trend Area)	Lease No.: 47168
	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.):	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.):		
		Setting depth liner (ft.):			
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:	10/6/2016		
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 type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.): 10 7/8	Depth of drilled hole (ft.): 8148	Est. % wash-out or hole enlargement: 80%			
Size of casing in O.D. (in.): 9 5/8	Casing weight (lbs/ft) and grade: 40 L-80	No. of centralizers used: 15			
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			
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Setting depth shoe (ft.): 8128			
Hrs. waiting on cement before drill-out: 24 hrs	Calculated top of cement (ft.): 5551	Cementing date:		10/6/2016	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	505	remarks	remarks	1,227.17	3,907
2	195	" "	" "	288.6	788
3					
Total	700			1,515.75	4,695

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 checked="" type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.): 10 7/8	Depth of drilled hole (ft.): 8148	Est. % wash-out or hole enlargement: 100%			
Size of casing in O.D. (in.): 9 5/8	Casing weight (lbs/ft) and grade: 40 L-80	No. of centralizers used: 15			
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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Setting depth tool (ft.): 6553			
Hrs. waiting on cement before drill-out: 24 hrs	Calculated top of cement (ft.): Surface	Cementing date:		10/6/2016	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	1560	remarks	remarks	3,744	11,953
2	485			664.45	2115
3					
Total	2,045			4,408.45	14,068

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
Class C Tail Premium Plus, CR-100 .7% + CA400 .2% + CA200 1% + CDF-10P .25 LB/SK second stage/lead cement class C light weight, C gel 2% + CSA-100 2.25% + CA500 5% + CFL-300 .5% + CR800 .3% tail class C premium plus, CFL300 .3% + CR100 .3% + CA500 3% +

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.

<u>Austin Grantham</u> Name and title of cementer's representative	<u>Allied OFS, LLC</u> Cementing Company	<u><i>Austin Grantham</i></u> Signature
<u>8711 W. CR 127</u> Address	<u>Midland Texas 79706</u> City, State, Zip Code	<u>(432) 563-4440</u> Tel: Area Code Number
		<u>10-6-16</u> 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.

<u>Melissa Luke</u> Typed or printed name of operator's representative	<u>Regulatory Analyst</u> Title	<u><i>Melissa Luke</i></u> Signature
<u>1050 17th St. Ste 800 Denver, CO 80202</u> Address	<u>City, State, Zip Code</u>	<u>(303) 575-1800</u> Tel: Area Code Number
		<u>04/20/14</u> 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 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/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&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=&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 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.



RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 08/2014

CEMENTING REPORT

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

OPERATOR INFORMATION

Operator Name: QEP ENERGY COMPANY Operator P-5 No.: 684444
Cementer Name: HALLIBURTON Cementer P-5 No.: 347151

WELL INFORMATION

District No.: 08 County: MARTIN
Well No.: N 055C API No.: 317-40526 Drilling Permit No.: 817401
Lease Name: UNIVERSITY 7-0213 Lease No.: 477108
Field Name: Spraberry (Trend Area) Field No.: 85280300

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☐ Surface ☐ Intermediate ☐ Liner ☒ Production
Drilled hole size (in.): 8 3/4 Depth of drilled hole (ft.): 19755 Est. % wash-out or hole enlargement: 15%
Size of casing in O.D. (in.): 5 1/2 Casing weight (lbs/ft) and grade: 20HCP-110 No. of centralizers used: n/a
Was cement circulated to ground surface (or bottom of cellar) outside casing? ☐ YES ☒ NO If no for surface casing, explain in Remarks.
Setting depth shoe (ft.): 19749 Top of liner (ft.):
Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: n/a Calculated top of cement (ft.): 6500 Cementing date: 11/6/2016

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	2340	H	SEE REMARKS	3426	14902
2	100	C	SEE REMARKS	262	1106
3					
Total	2440			3688	16008

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement shoe ☐ 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? ☐ YES ☐ NO Setting depth shoe (ft.):
Hrs. waiting on cement before drill-out: Calculated top of cement (ft.): Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

III. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV tool ☐ 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? ☐ YES ☐ 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-0.25% D-AIR 5000, 0.075% SA-1015, 0.15% CFR-3, 0.6% HALAD-23
 TAIL- 10LBM SILICALITE 50, 0.6% HR-601, 0.25LBM D-AIR 5000, 0.7% 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.

Marcus Petty - Service Supervisor

Halliburton

[Signature]

Name and title of cementer's representative

Cementing Company

Signature

6155 W. Murphy St.

Odessa, TX, 79763

432-571-8600

11/6/2016

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.

Melissa Luke

Regulatory Analyst

[Signature]

Typed or printed name of operator's representative

Title

Signature

1050 17th St. Ste. 800

Denver, CO 80205

(303) 575-1860

03/31/2017

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.

- 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=&p_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=&p_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.: 172335

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: 02/18/2017
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 817401	
Lease Name UNIVERSITY 7-0213	Lease/ID No. 47768	Well No. N 05SC
County MARTIN	API No. 42- 317-40526	

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). _____

Melissa Luke

Signature

QEP ENERGY COMPANY

Name (print)

Regulatory Affairs

Title

(303) 575-1860

Phone

04/20/2017

Date

-FOR RAILROAD COMMISSION USE ONLY-



Cement Bond with Gamma Ray / CCL Log

Company QEP Resources Well University 7-0213 N 05SC Field Spraberry County Martin State TX	Company QEP Resources						
	Well University 7-0213 N 05SC						
	Field Spraberry						
	County Martin State TX						
	Location: API # : Other Services						
	SEC	TWP	RGE	Elevation			
Permanent Datum		GL"		Elevation		2911	
Log Measured From		KB 25		K.B.		2936	
Drilling Measured From		KB		D.F.		2911	
Date		12-21-2016					
Run Number		One					
Depth Driller		19755					
Depth Logger		9627					
Bottom Logged Interval		SURFACE					
Top Log Interval		Surface					
Open Hole Size							
Type Fluid		Water					
Density / Viscosity		8.4					
Max. Recorded Temp.		n/a					
Estimated Cement Top							
Time Well Ready		OA					
Time Logger on Bottom		See LOg					
Equipment Number		740					
Location		Odessa					
Recorded By							
Witnessed By		R Murry					
Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record		Size		Wgt/Ft		Top	
Surface String		13 3/8		54.5		Surface	
Prot. String		9 5/8		40		Surface	
Production String		5 1/2		20		Surface	
Liner							

<<< 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

Calibration Report

Database File: qep122116.db
Dataset Pathname: run2/pass5.5
Dataset Creation: Wed Dec 21 13:48:44 2016 by Calc 7.0 B1

Gamma Ray Calibration Report

CERTIFICATE OF POOLING AUTHORITY

Revised 05/2001

P-12

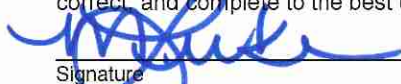
1. Field Name(s) Spraberry (Trend Area)	2. Lease/ID Number (if assigned) 47768	3. RRC District Number 08
4. Operator Name QEP Energy Company	5. Operator P-5 Number 684474	6. Well Number N 05SC
7. Pooled Unit Name University 7-0213	8. API Number 317-40526	9. Purpose of Filing <input type="checkbox"/> Drilling Permit (W-1)
10. County Martin	11. Total acres in pooled unit 640	<input checked="" type="checkbox"/> Completion Report

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
Tract A	University 7-2	320	<input type="checkbox"/>	<input type="checkbox"/>
Tract B	University 7-13	320	<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"/>
			<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.



Melissa Luke

Signature

Print Name

Regulatory Analyst

melissa.luke@qepres.com

04/20/2017

(303) 575-1860

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 17H 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.: N 05SC	API No.: 317-40526	
Total Lease Acres: 640	Drilling Permit No.: 817401	
Lease Name: UNIVERISTY 7-0213	Lease No.: 47768	
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 >	6	546	< A. Total Assigned Horiz. Acreage	546	< C. Total Assigned Acreage
		94	< Total Remaining Horiz. Acreage	94	< Total Remaining Acreage
		640	< B. Total Assigned Vert./Dir. Acreage		
		0	< Total Remaining Vert./Dir. Acreage		

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

Vertical wells are listed on page 2 for your reference.

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

Digitally signed by Melissa Lake
DN: cn=Melissa Lake, email=Melissa.Lake@qepres.com
Date: 2017.04.20 08:45:42 -0500

MELISSA LUKE - REGULATORY ANALYST

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

04/20/2017

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 22 August 2016**GAU Number:** 158896**Attention:** QEP ENERGY COMPANY
ATTN SOUTHERN DIV
DENVER, CO 80265**Operator No.:** 684474**API Number:**
County: MARTIN
Lease Name: UNIVERSITY 7-0213
Lease Number:
Well Number: N 06SA
Total Vertical Depth: 9300
Latitude: 32.414238
Longitude: -102.182655
Datum: NAD27**Purpose:** New Drill**Location:** Survey-UL; Block-7; Section-16

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 for all wells drilled in this Section 16 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 for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

This determination is based on information provided when the application was submitted on 08/22/2016. 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.

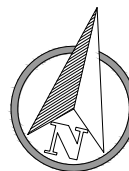
Groundwater Advisory Unit, Oil and Gas Division

UNIVERSITY LANDS
BLOCK 6
SECTION 44
MARTIN COUNTY

NAD 83 (HPGN)
Y = 6,863,066.43
X = 825,674.91
NAD 27
Y = 313,693.52
X = 549,018.43

NAD 83 (HPGN)
Y = 6,863,662.00
X = 828,246.30
NAD 27
Y = 314,264.55
X = 551,595.35

NAD 83 (HPGN)
Y = 6,864,257.57
X = 830,817.68
NAD 27
Y = 314,835.58
X = 554,172.27



NAD 83 (HPGN) GRID
TEXAS NORTH CENTRAL ZONE

0 500 1000
1" = 1000 FEET

JV-S MUSTANG B#10
NAD 83 (HPGN)
Y = 6,862,779.62
X = 828,948.85
NAD 27
Y = 313,375.50
X = 552,289.44
ELEV. = N/A

U-2 #1 DRY HOLE
NAD 83 (HPGN)
Y = 6,859,876.26
X = 829,984.89
NAD 27
Y = 310,462.35
X = 553,297.69
ELEV. = N/A

NAD 83 (HPGN)
Y = 6,857,922.15
X = 826,865.58
NAD 27
Y = 308,538.05
X = 550,159.90

UNIVERSITY 7-13 #5
NAD 83 (HPGN)
Y = 6,857,102.37
X = 830,443.59
NAD 27
Y = 307,684.18
X = 553,729.87
ELEV. = 2919.20'

UNIVERSITY 7-13 #4
NAD 83 (HPGN)
Y = 6,855,452.20
X = 830,826.04
NAD 27
Y = 306,030.42
X = 554,096.54
ELEV. = 2917.63'

NAD 83 (HPGN)
Y = 6,852,780.99
X = 828,058.26
NAD 27
Y = 303,385.68
X = 551,303.41

NAD 83 (HPGN)
Y = 6,853,375.85
X = 830,629.98
NAD 27
Y = 303,956.00
X = 553,880.66

UNIVERSITY 7-2 #2
NAD 83 (HPGN)
Y = 6,861,979.63
X = 829,313.11
NAD 27
Y = 312,572.06
X = 552,646.03
ELEV. = 2916.75'

UNIVERSITY 7-2 #3
NAD 83 (HPGN)
Y = 6,860,789.94
X = 829,588.44
NAD 27
Y = 311,379.79
X = 552,909.99
ELEV. = 2920.84'

NAD 83 (HPGN)
Y = 6,859,113.35
X = 832,009.49
NAD 27
Y = 309,680.16
X = 555,314.88

UNIVERSITY 7-13 #1
NAD 83 (HPGN)
Y = 6,858,023.37
X = 830,229.81
NAD 27
Y = 308,607.19
X = 553,524.90
ELEV. = 2922.20'

SURFACE HOLE LOCATION

(OUT OF LEASE)
120' FNL, 1077' FEL SECTION 16

NAD 83 (HPGN)
Y = 6,853,610.80 X = 832,179.56
LAT: 32°24'51.70" N LONG: 102°10'58.84" W
NAD 27
Y = 304,176.17 X = 555,432.39
LAT: 32°24'51.33" N LONG: 102°10'57.28" W
LAT: 32.414257° N LONG: 102.182577° W

PENETRATION POINT

54' FSL, 1268' FEL LEASE
54' FSL 1268' FEL SECTION 13

NAD 83 (HPGN)
Y = 6,853,737.63 X = 831,953.60
LAT: 32°24'52.88" N LONG: 102°11'01.52" W
LAT: 32.414688° N LONG: 102.183756° W

NAD 27
Y = 304,305.15 X = 555,207.66
LAT: 32°24'52.50" N LONG: 102°10'59.96" W
LAT: 32.414584° N LONG: 102.183323° W

FIRST TAKE POINT

555' FSL, 1262' FEL LEASE
555' FSL, 1262' FEL SECTION 13

NAD 83 (HPGN)
Y = 6,854,227.33 X = 831,847.17
LAT: 32°24'57.68" N LONG: 102°11'02.96" W
LAT: 32.416023° N LONG: 102.184157° W

NAD 27
Y = 304,795.85 X = 555,105.91
LAT: 32°24'57.31" N LONG: 102°11'01.40" W
LAT: 32.415919° N LONG: 102.183723° W

LAST TAKE POINT

131' FNL, 1261' FEL LEASE
131' FNL, 1261' FEL SECTION 2

NAD 83 (HPGN)
Y = 6,863,845.02 X = 829,619.10
LAT: 32°26'32.02" N LONG: 102°11'32.88" W
LAT: 32.442229° N LONG: 102.192468° W

NAD 27
Y = 314,434.48 X = 552,969.82
LAT: 32°26'31.65" N LONG: 102°11'31.32" W
LAT: 32.442126° N LONG: 102.192033° W

BOTTOM HOLE LOCATION

13' FNL, 1259' FEL LEASE
13' FNL, 1259' FEL SECTION 2

NAD 83 (HPGN)
Y = 6,863,960.29 X = 829,593.99
LAT: 32°26'33.16" N LONG: 102°11'33.22" W
LAT: 32.442543° N LONG: 102.192562° W

NAD 27
Y = 314,549.98 X = 552,945.82
LAT: 32°26'32.78" N LONG: 102°11'31.66" W
LAT: 32.442440° N LONG: 102.192128° W

OFFSET OPERATOR: QEP ENERGY COMPANY

GENERAL NOTES

- COORDINATES SHOWN ARE BASED ON TEXAS COORDINATE SYSTEM OF NAD 83 (HPGN) "TEXAS NORTH CENTRAL ZONE", AND BASED ON "GLASS" NGS MONUMENT (Y = 6,817,164.36, X = 834,131.39)
- VERTICAL DATUM IS NAVD 88
- LATITUDE AND LONGITUDE ARE NAD 83 (HPGN) AS SHOWN
- AREA, DISTANCES, AND COORDINATES ARE "GRID"
- UNITS ARE UNITED STATES SURVEY FOOT.
- 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".

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

John E. Kowalik

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



PLAT OF:

AN AS-DRILLED WELL LOCATION FOR:

QEP ENERGY COMPANY
UNIVERSITY 7-0213 UNIT
UNIVERSITY 7-0213 N 05SC

SITUATED IN THE UNIVERSITY LANDS SURVEYS,
BLOCK 7, SECTION 2, SECTION 13, AND SECTION
16, AND BEING APPROXIMATELY 22.1 MILES
NORTHEAST OF ANDREWS IN MARTIN COUNTY, TEXAS.



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TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net

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DATE: 04/19/17
DRAWN BY: JK RR
CHECKED BY: JK
FIELD CREW: RE
PROJECT NO: 2016060476
SCALE: 1" = 1000'
SHEET: 1 OF 1
REVISION: 1

PLOT DATE: 04/19/17 2:50 P.M.