



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved  
Date: 02/07/2017  
Tracking No.: 163562

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.: 42-317-40421 County: MARTIN  
Well No.: S 13SS 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: 32.40823 Longitude: -102.2076  
This well is located 20.7 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: 09/05/2016  

| Type of Permit                        | Date       | Permit No. |
|---------------------------------------|------------|------------|
| Permit to Drill, Plug Back, or Deepen | 04/14/2016 | 814863     |
| Rule 37 Exception                     |            |            |
| Fluid Injection Permit                |            |            |
| O&G Waste Disposal Permit             |            |            |
| Other:                                |            |            |

COMPLETION INFORMATION

|  |  |
|--|--|
| Spud date: 07/17/2016  | Date of first production after rig released: 09/05/2016                          |
| Date plug back, deepening, recompletion, or drilling operation commenced: 07/17/2016   | Date plug back, deepening, recompletion, or drilling operation ended: 08/03/2016 |
| Number of producing wells on this lease in this field (reservoir) including this well: 9   | Distance to nearest well in lease & reservoir (ft.): 431.0                       |
| Total number of acres in lease: 960.00   | Elevation (ft.): 2933 GL   |
| Total depth TVD (ft.): 9378  | Total depth MD (ft.): 16987  |
| Plug back depth TVD (ft.): 9358  | Plug back depth MD (ft.): 16867  |
| Was directional survey made other than inclination (Form W-12)? Yes  | Rotation time within surface casing (hours): 190.0                               |
| 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 1557.0 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 |
|-------------------|-------------------------|----------|--------------------|
|-------------------|-------------------------|----------|--------------------|

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: 10/01/2016                                       |      | Production method: Flowing           |
| Number of hours tested: 24                                     |      | Choke size: 0                        |
| Was swab used during this test?                                | No   | Oil produced prior to test: 11150.00 |
| PRODUCTION DURING TEST PERIOD:                                 |      |                                      |
| Oil (BBLS): 885.00   |      | Gas (MCF): 577                       |
| Gas - Oil Ratio: 651   |      | Flowing Tubing Pressure: 228.00      |
| Water (BBLS): 894  |      |                                      |
| CALCULATED 24-HOUR RATE  |      |                                      |
| Oil (BBLS): 885.0  |      | Gas (MCF): 577                       |
| Oil Gravity - API - 60.:                                       | 40.0 | Casing Pressure: 123.00              |
| Water (BBLS): 894  |      |                                      |

| 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          | 529                 |                           |                          | C            | 615                   | 824.0                   | 0                   | Circulated to Surface |
| 2             | Intermediate            | 9 5/8             | 12 1/4          | 8197                |                           | 8197                     | C            | 725                   | 1563.0                  | 5570                | Calculation           |
| 3             | Intermediate            | 9 5/8             | 12 1/4          | 8197                | 5570                      |                          | C            | 2225                  | 4855.0                  | 264                 | Calculation           |
| 4             | Conventional Production | 5 1/2             | 8 3/4           | 16982               |                           |                          | H & A        | 1890                  | 2906.0                  | 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             | 8499                    | /                              |

| PRODUCING/INJECTION/DISPOSAL INTERVAL |            |            |          |
|---------------------------------------|------------|------------|----------|
| Row                                   | Open hole? | From (ft.) | To (ft.) |
| 1                                     | No         | L1 9560    | 16867.0  |

| 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):  |                   | 6731.0  |  |                      |
| Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:                       |                   | 10000   |  |                      |
| Actual maximum pressure (PSIG) during hydraulic fracturing:   |                   | 9038  |  |                      |
| 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 213,345 BBLS WATER      |  | 9560 16867           |
| 2   | Fracture          | STAGE 1-32 TREATED WITH 10,425,756 LBS PROPPANT |  | 9560 16867           |

| 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        |
| 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 CISCO   | Yes         | 4845.0          | 4845.0         | Yes                    | NOT LOGGED; ESTIMATED, CEMENTED CASING |
| SPRABERRY  | No          |                 |                | No                     | DID NOT ENCOUNTER                      |
| DEAN   | Yes         | 9242.0          | 9295.0         | Yes                    |  |
| 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 @ 8834' |

| RRC REMARKS  |  |
|--|--|
| <b>PUBLIC COMMENTS:</b><br>[RRC Staff 2016-10-25 16:06:30.836] EDL=7319 feet, max acres=520, SPRABERRY (TREND AREA) oil well |  |
| <b>CASING RECORD :</b>   |  |
| <b>TUBING RECORD:</b>  |  |
| <b>PRODUCING/INJECTION/DISPOSAL INTERVAL :</b>   |  |
| <b>ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :</b>   |  |
| <b>POTENTIAL TEST DATA:</b>  |  |

| OPERATOR'S CERTIFICATION             |                                   |
|--------------------------------------|-----------------------------------|
| <b>Printed Name:</b> Melissa Luke    | <b>Title:</b> Regulatory Affairs  |
| <b>Telephone No.:</b> (303) 308-3610 | <b>Date Certified:</b> 02/07/2017 |



## 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-S No.: 684474 |
| Cementer Name: Allied OFS, LLC | Cementer P-S No.: 014447 |

| WELL INFORMATION                   |                                      |
|------------------------------------|--------------------------------------|
| District No.: 05                   | County: Martin                       |
| Well No.: #1355                    | API No.: Drilling Permit No.: 814803 |
| Lease Name: University 7-1726 S    | Lease No.:                           |
| Field Name: Spraberry (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.): 529              | 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.): 529                 | Top of liner (ft.):                  |            |                 |              |
| Hrs. waiting on cement before drill-out: 11.5   | Calculated top of cement (ft.): Surface       | Cementing date: 7/17/2016            |            |                 |              |
| SLURRY  |   |                                      |            |                 |              |
| Slurry No.  | No. of Sacks                                  | Class                                | Additives  | Volume (cu.ft.) | Height (ft.) |
| 1   | 615   | CLASS C                              | REMARKS #1 | 824.1           | 529          |
| 2   |   |                                      |            |                 |              |
| 3   |   |                                      |            |                 |              |
| Total   | 615   |                                      |            | 824.1           | 529          |

| 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: 7/17/2016                |           |                 |              |
| SLURRY   |  |  |           |                 |              |
| Slurry No.   | No. of Sacks                                     | Class                                    | Additives | Volume (cu.ft.) | Height (ft.) |
| 1  |  |  |           |                 |              |
| 2  |  |  |           |                 |              |
| 3  |  |  |           |                 |              |
| Total  |  |  |           |                 |              |

| III. CASING CEMENTING DATA  |  |  |           |                 |              |
|---|--|--|-----------|-----------------|--------------|
| Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings |  |  |           |                 |              |
| Drilled hole size (in.):  | Depth of drilled hole (ft.):                     | Est. % wash-out or hole enlargement:     |           |                 |              |
| Size of casing in O.D. (in.):   | Casing weight (lbs/ft) and grade:                | No. of centralizers used:                |           |                 |              |
| Tapered string drilled hole size (in.):   | Tapered string depth of drilled hole (ft.):      |  |           |                 |              |
| Upper: Lower:   | Upper: Lower:                                    |  |           |                 |              |
| Tapered string size of casing in O.D. (in.):  | Tapered string casing weight (lbs/ft) and grade: | Tapered string no. of centralizers used: |           |                 |              |
| Upper: Lower:   | Upper: Lower:                                    | Upper: Lower:                            |           |                 |              |
| Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO  | Setting depth tool (ft.):                        |  |           |                 |              |
| Hrs. waiting on cement before drill-out:  | Calculated top of cement (ft.):                  | Cementing date: 7/17/2016                |           |                 |              |
| 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

1: CLASS C + .53% CA-100 + .25# CLC-CPF CIRCULATED 68 BBLs = 285 SACKS OF CEMENT TO SURFACE PIT

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.

|   |                       |                       |                   |
|---|-----------------------|-----------------------|-------------------|
| COREY BEGAY - SERVICE SUPERVISOR            | Allied OFS, LLC       |                       |                   |
| Name and title of cementer's representative | Cementing Company     | Signature             |                   |
| 8711 W. CR 127                              | Midland Texas 79706   | (432) 563-4440        | 7/18/2016         |
| 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.

|  |                       |                       |
|--|-----------------------|-----------------------|
| Kelly Hamden                                       | Regulatory Analyst    | Kelly Hamden          |
| Typed or printed name of operator's representative | Title                 | Signature             |
| 1050 17th St. Suite 800                            | Denver, CO. 80265     | 303-405-6630          |
| 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\\_loc=&p\\_tloc=&pg=1&p\\_tac=&ti=16&pt=1&ch=3&rt=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_loc=&p_tloc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rt=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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P.O. Box 12967  
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Form W-15

Rev. 08/2014

## CEMENTING REPORT

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

## OPERATOR INFORMATION

|                |                 |                   |        |
|----------------|-----------------|-------------------|--------|
| Operator Name: | QEP 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.:     | #1355                  | API No.:             | 317 40421 |
| Lease Name:   | University 7-1726 S    | Drilling Permit No.: | 8148063   |
| Field Name:   | Spraberry (Trend Area) | Lease No.:           |           |
|               |                        | Field No.:           | 85280300  |

## I. CASING CEMENTING DATA

|  |                                    |                                  |                                       |                                |                                     |
|--|------------------------------------|----------------------------------|---------------------------------------|--------------------------------|-------------------------------------|
| Type of casing:  | <input type="checkbox"/> Conductor | <input type="checkbox"/> Surface | <input type="checkbox"/> Intermediate | <input type="checkbox"/> Liner | <input 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? If no for surface casing, explain in Remarks. <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: 7/23/2016             |                                |                                     |

| 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 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.):                   |                                     | 8214  | 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/L-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     |   |  |
| 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.):           | 8214  |   |  |
| Hrs. waiting on cement before drill-out:  | 11.5                             | Calculated top of cement (ft.):                |                                     | 6540  | Cementing date: 7/23/2016                                   |  |

| SLURRY     |              |       |           |                 |              |
|------------|--------------|-------|-----------|-----------------|--------------|
| Slurry No. | No. of Sacks | Class | Additives | Volume (cu.ft.) | Height (ft.) |
| 1          | 515          | C     | REMARKS   | 1252            | 3996         |
| 2          | 210          | C     | REMARKS   | 311             | 860          |
| 3          |              |       |           |                 |              |
| Total      | 725          | C     | REMARKS   | 1563            | 4856         |

## 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.):  | 12 1/4                           | Depth of drilled hole (ft.):                   |                                     | 8214  | 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/L-80                                   | No. of centralizers used:                                      |  |
| Tapered string drilled hole size (in.)  |                                  | Tapered string depth of drilled hole (ft.)     |                                     |   |  |  |
| Upper: Lower:   |                                  | Upper: Lower:                                  |                                     | Upper: Lower:                               |  |  |
| Tapered string size of casing in O.D. (in.)   |                                  | Tapered string casing weight(lbs/ft) and grade |                                     | Tapered string no. of centralizers used     |  |  |
| Upper: Lower:   |                                  | Upper: Lower:                                  |                                     | Upper: Lower:                               |  |  |
| Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |                                  |  | Setting depth tool (ft.):           | 6540  |  |  |
| Hrs. waiting on cement before drill-out:  | 11.5                             | Calculated top of cement (ft.):                |                                     | 204   | Cementing date: 7/23/2016                                      |  |

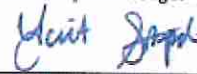
| SLURRY     |              |       |           |                 |              |
|------------|--------------|-------|-----------|-----------------|--------------|
| Slurry No. | No. of Sacks | Class | Additives | Volume (cu.ft.) | Height (ft.) |
| 1          | 1735         | C     | REMARKS   | 4164            | 3363         |
| 2          | 490          | C     | REMARKS   | 691             | 2204         |
| 3          |              |       |           |                 |              |
| Total      | 2225         | C     | REMARKS   | 4855            | 5567         |




| 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 1 - 50:50 CLASS C, POZ BLEND, 10% GEL, 5LB/SK NaCl, CFL-330 .5%, CR-100 .5%, CLC-KOL 2LB/SK, CLC-CPF .25LB/SK, CDF-100P .25LB/SK. TAIL 1 - 100% CLASS C NEAT, CR-100 .7%, CA-400 .2%, CA-200 1%, CDF-100P .25LB/SK. LEAD 2 - 65:35 CLASS C, POZ BLEND, 4% GEL, CSA-100 2.25%, CSA-200 .1%, CA-500 3%, CFL-300 .3%, CR-800 .3%. TAIL 2 - 100% CLASS C NEAT, CFL-300 .6%, CR-100 .35%, CA-500 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.

|   |                       |  |
|---|-----------------------|--|
| TAIT STOEPER, SERVICE SUPERVISOR            | Allied OFS, LLC       |  |
| 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. 7/23/2015  |

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    |  |
| 1050 Hm St. Suite 800 Denver, CO 80205 |                       | (303) 556-1800  |
| Address                                | City, State, Zip Code | Tel: Area Code Number   |
|  |                       | Date: mo. Day yr. 01/26/2017  |

### 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&rh=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&rh=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 cements: 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-EBIZ | Operator P-5 No.: 684474 |
| Cementer Name: HALLIBURTON             | Cementer P-5 No.: 347151 |

| WELL INFORMATION                  |                                      |
|-----------------------------------|--------------------------------------|
| District No.: 08                  | County: MARTIN                       |
| Well No.: S1355                   | API No.: Drilling Permit No.: 814863 |
| Lease Name: UNIVERSITY 7-1726     | Lease No.:                           |
| Field Name: Spaberry (Trand 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.): 16.987            | 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-110 | 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.): 16.982               | 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: 08/03/2016               |  |

| SLURRY     |              |       |             |                  |              |
|------------|--------------|-------|-------------|------------------|--------------|
| Slurry No. | No. of Sacks | Class | Additives   | Volume (cu. ft.) | Height (ft.) |
| 1          | 1790         | H     | SEE REMARKS | 2645.62          | 10943.53     |
| 2          | 100          | A     | SEE REMARKS | 260.6            | 1089.6       |
| 3          |              |       |             |                  |              |
| Total      | 1890         |       |             | 2906.22          | 12033.13     |

| 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.)<br>Upper: Lower:  | Tapered string depth of drilled hole (ft.)<br>Upper: Lower:      |  |  |
| Tapered string size of casing in O.D. (in.)<br>Upper: Lower:   | Tapered string casing weight (lbs/ft) and grade<br>Upper: Lower: | Tapered string no. of centralizers used<br>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.)<br>Upper: Lower:   | Tapered string depth of drilled hole (ft.)<br>Upper: Lower:      |  |  |
| Tapered string size of casing in O.D. (in.)<br>Upper: Lower:  | Tapered string casing weight (lbs/ft) and grade<br>Upper: Lower: | Tapered string no. of centralizers used<br>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 ADDITIVES: 0.25% D-AIR 5000, 0.0750% SA-1015, 0.15 % HR 601, 0.15% CFR-3, 0.60% HALAD®-23. TAIL ADDITIVES: 5LBM SILICALITE, 0.60% HR-601, 0.25 LBM D-AIR 5000, 0.70% HALAD®-344, 5 LBM POZMIX A.

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.

RUBEN MEDINA SERVICE SUPERVISOR

Halliburton



Name and title of cementer's representative

Cementing Company

Signature

6155 W. Murphy St.

Odessa, TX, 79763

432-571-8600

08/03/2016

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.

Typed or printed name of operator's representative

Title

Signature

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

Kelly Handen Regulatory Analyst Kelly Handen  
1050 17th St. Suite 800 Denver CO 80209 303-405-6630 10/05/16

## Instructions for Form W-15, Cementing Report

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

- A. **What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.

The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

- B. **How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.rrc.state.tx.us/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).

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

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

- D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. **Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- F. **Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- G. **Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

Tracking No.: 163562

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<br>Name: QEP ENERGY COMPANY | District<br>No. 08            | Completion<br>Date: 09/05/2016 |
| Field<br>Name SPRABERRY (TREND AREA) | Drilling Permit<br>No. 814863 |                                |
| Lease<br>Name UNIVERSITY 7-1726      | Lease/ID<br>No. 47848         | Well<br>No. S 13SS             |
| County<br>MARTIN                     | API<br>No. 42- 317-40421      |                                |

## 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

10/17/2016

Date

-FOR RAILROAD COMMISSION USE ONLY-



**Crescent Directional Drilling**

Tyrell Whitehead  
Midland, Tx  
(325)260-9739

**University 7 1726 S 013SS****Scale 5":100' - TVD****8/1/2016 2:46 PM****Oper. Company:** Questar**Well:** University 7 1726 S 013SS**Field:** Sprayberry**Rig:** Unit 401**Well ID:** 42-317-40421**Job Number:** PB-161206**State:** TX**County:** Martin**Country:** USA**Location:** Tarzan**Start Date:** 07/26/2016 19:30:00**End Date:** 08/01/2016 12:20:00

**Latitude:** 32.242952  
**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            | HEK179    | HEG044    | HEK564      | EK497-15  |          |
| Cal Factor          | 1.123     | 1.127     | 1.143       | 1.109     |          |
| Survey Offset:      | 57.00     | 65.00     | 62.00       | 62.00     |          |
| Gamma Offset        | 0.00      | 0.00      | 0.00        | 0.00      |          |
| Resisitivity Offset | 0.00      | 0.00      | 0.00        | 0.00      |          |
| Start Depth         | 9188.00   | 9693.00   | 12370.00    | 15388.00  |          |
| StartDate           | 7/25/2016 | 7/26/2016 | 7/28/2016   | 7/31/2016 |          |
| StartTime           | 07:30     | 19:30     | 20:30       | 18:00     |          |
| EndDepth            | 9693.00   | 12370.00  | 15388.00    | 16987.00  |          |
| EndDate             | 7/26/2016 | 7/28/2016 | 7/31/2016   | 8/1/2016  |          |
| EndTime             | 18:20     | 19:45     | 04:30       | 12:35     |          |
| 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   | 16987.00  | 8.5         | 8217.00   | 16987.00 |

**BHA Data**

| Picture | Type  | Length | Description  |
|---------|-------|--------|--|
|         | Bit   | 1      | Smith, MDSi613, (6-18's), JM3194, 8 1/2            |
|         | Motor | 29.17  | Crescent, 1.62 Fxd, Slick, 7/8 6.4, CD65053, 6 3/4 |
|         | Sub1  | 5.27   | 8" NM IBS, ASM7008, 6 1/2                          |
|         | Sub1  | 2.95   | Crescent, UBHO, CD675007, 6 3/4                    |
|         | Sub2  | 31.26  | NMDC, AMDC6022, 6 13/16                            |
|         | Sub2  | 5.56   | 8" NM IBS, ASM8014, 6 9/16                         |

## 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  
ATTN SOUTHERN DIV REGULATORY  
1050 17TH ST SUITE 800  
DENVER CO 80265

P-5 NO. 684474  
PHONE: (303) 672-6900

HAS BEEN APPROVED ON AUGUST 23, 2016 .

\* \* \* \* \*

DISTRICT : 08  
COUNTY : ANDREWS  
EFF. DATE: 08/16/2015

FIELD NAME: SPRABERRY (TREND AREA)  
FIELD NO. : 85280 300  
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)<br><b>SPRABERRY (TREND AREA)</b> | 2. Lease/ID Number (if assigned)               | 3. RRC District Number<br><b>08</b>   |
| 4. Operator Name<br><b>QEP ENERGY COMPANY</b>     | 5. Operator P-5 Number<br><b>684474</b>        | 6. Well Number<br><b>S 13SS</b>   |
| 7. Pooled Unit Name<br><b>UNIVERSITY 7-1726</b>   | 8. API Number                                  | 9. Purpose of Filing<br><input checked="" type="checkbox"/> Drilling Permit (W-1)<br><input type="checkbox"/> Completion Report |
| 10. County<br><b>MARTIN</b>                       | 11. Total acres in pooled unit<br><b>960.0</b> |   |

## DESCRIPTION OF INDIVIDUAL TRACTS CONTAINED WITHIN THE POOLED UNIT

| TRACT/PLAT<br>IDENTIFIER | TRACT<br>NAME     | ACRES IN TRACT<br>(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

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

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

## SECTION II. WELL INFORMATION

|   |                                    |  |
|---|------------------------------------|--|
| <b>District No.:</b> 08                   | <b>County:</b> MARTIN              | <b>Purpose of Filing:</b><br><input type="checkbox"/> Drilling Permit Application (Form W-1)<br><input checked="" type="checkbox"/> Completion Report (Form G-1/W-2) |
| <b>Well No.:</b> S 13SS                   | <b>API No.:</b> 317-40421          |  |
| <b>Total Lease Acres:</b> 960.0           | <b>Drilling Permit No.:</b> 814863 |  |
| <b>Lease Name:</b> UNIVERSITY 7-1726      | <b>Lease No.:</b> 47848            |  |
| <b>Field Name:</b> SPRABERRY (TREND AREA) | <b>Field No.:</b> 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<br>D-Directional<br>V-Vertical | Lease Name   | API No.   | Acre Assigned | SWR 38 Except.<br>(Y/N)     | Operator Name and Operator No.<br>(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  | 317-30255 | 80.0          | Y                           |   |
| 38529                   | 7        | V   | UNIVERSITY 7-17  | 317-39360 | 80.0          | Y                           |   |
|                         |          |   |  |           |               |                             |   |
| 36620                   | 1        | V   | UNIVERSITY 7-17B (TRACT B)   | 317-35969 | 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   | 317-39854 | 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 7-26 SWD  | 317-36657 | 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](mailto:gau@rrc.state.tx.us), or by mail.

Sincerely,

**George Dunfield, P.G.**

GEOLOGIST SEAL

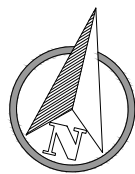


Geologist, Groundwater Advisory Unit  
Oil & Gas Division

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.



UNIVERSITY LANDS  
BLOCK 7  
SECTION 12  
MARTIN AND ANDREWS  
COUNTIES



NAD 83 (HPGN) GRID  
TEXAS NORTH CENTRAL ZONE

0 500 1000  
1" = 1000 FEET

LEGEND

- SURVEY LINE
- PROPOSED LATERAL
- LEASE LINE
- FOUND CONCRETE MONUMENT
- CALCULATED CORNER
- POOLED UNIT

SURFACE HOLE LOCATION

300' FNL 1557' FWL LEASE  
300' FNL 1557' FWL SECTION 17

NAD 83 (HPGN)  
Y = 6,851,649.49 X = 824,501.99  
LAT: 32°24'29.63" N LONG: 102°12'27.54" W  
LAT: 32.408232° N LONG: 102.207650° W

NAD 27  
Y = 302,288.12 X = 547,736.54  
LAT: 32°24'29.26" N LONG: 102°12'25.98" W  
LAT: 32.408127° N LONG: 102.207216° W

PENETRATION POINT

274' FNL, 1411' FWL LEASE  
274' FNL 1411' FWL SECTION 17

NAD 83 (HPGN)  
Y = 6,851,641.50 X = 824,353.96  
LAT: 32°24'29.50" N LONG: 102°12'29.26" W  
LAT: 32.408196° N LONG: 102.208128° W

NAD 27  
Y = 302,281.55 X = 547,588.44  
LAT: 32°24'29.13" N LONG: 102°12'27.70" W  
LAT: 32.408091° N LONG: 102.207694° W

FIRST TAKE POINT

494' FNL 1413' FWL LEASE  
494' FNL 1413' FWL SECTION 17

NAD 83 (HPGN)  
Y = 6,851,428.09 X = 824,405.51  
LAT: 32°24'27.41" N LONG: 102°12'28.57" W  
LAT: 32.407614° N LONG: 102.207937° W

NAD 27  
Y = 302,067.65 X = 547,637.95  
LAT: 32°24'27.03" N LONG: 102°12'27.01" W  
LAT: 32.407510° N LONG: 102.207503° W

LAST TAKE POINT

123' FSL, 1414' FWL LEASE  
2517' FNL, 1414' FWL SECTION 26

NAD 83 (HPGN)  
Y = 6,844,314.45 X = 826,056.14  
LAT: 32°23'17.64" N LONG: 102°12'06.41" W  
LAT: 32.388233° N LONG: 102.201780° W

NAD 27  
Y = 294,938.50 X = 549,220.54  
LAT: 32°23'17.26" N LONG: 102°12'04.85" W  
LAT: 32.388127° N LONG: 102.201347° W

BOTTOM HOLE LOCATION

3' FSL, 1417' FWL LEASE  
2637' FNL, 1417' FWL SECTION 26

NAD 83 (HPGN)  
Y = 6,844,198.23 X = 826,085.91  
LAT: 32°23'16.50" N LONG: 102°12'06.01" W  
LAT: 32.387916° N LONG: 102.201670° W

NAD 27  
Y = 294,822.00 X = 549,249.20  
LAT: 32°23'16.12" N LONG: 102°12'04.45" W  
LAT: 32.387811° N LONG: 102.201237° W

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 ACRES SHOWN ARE BY DEED AND LEASE CALL, EXCEPT WHERE NOTED. THIS IS NOT IN ANY WAY A "BOUNDARY SURVEY".

NAD 83 (HPGN)  
Y = 6,851,590.49  
X = 822,917.43  
NAD 27  
Y = 302,244.23  
X = 546,151.50

UNIVERSITY 7-26 #2  
NAD 83 (HPGN)  
Y = 6,846,250.61  
X = 826,187.27  
NAD 27  
Y = 296,873.35  
X = 549,370.16  
ELEV. = 2935.8'

OFFSET OPERATOR:  
PIONEER

ANDREWS COUNTY  
MARTIN COUNTY

SECTION/SURVEY/  
POOLED UNIT LINE

CONC MON

NAD 83 (HPGN)  
Y = 6,846,447.67  
X = 824,108.88  
NAD 27  
Y = 297,090.22  
X = 547,293.77

OFFSET OPERATOR:  
QEP

UNIVERSITY 7-26 #5  
NAD 83 (HPGN)  
Y = 6,844,963.06  
X = 826,484.39  
NAD 27  
Y = 295,583.01  
X = 549,654.96  
ELEV. = 2935.6'

NAD 83 (HPGN)  
Y = 6,843,875.41  
X = 824,706.01  
NAD 27  
Y = 294,512.35  
X = 547,866.30

UNIVERSITY 7-17 #6  
NAD 83 (HPGN)  
Y = 6,847,521.49  
X = 825,891.66  
NAD 27  
Y = 298,147.01  
X = 549,086.70  
ELEV. = 2932.3'

NAD 83 (HPGN)  
Y = 6,841,303.15  
X = 825,303.15  
NAD 27  
Y = 293,934.47  
X = 548,438.84

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

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



PLAT OF:

AN AS-DRILLED WELL LOCATION FOR:

QEP ENERGY COMPANY  
UNIVERSITY 7-1726 UNIT  
UNIVERSITY 7-1726 S 13SS

SITUATED IN THE UNIVERSITY LANDS, BLOCK 7, SECTIONS  
17 AND 26, AND BEING APPROXIMATELY 20.7 MILES  
NORTHEAST OF ANDREWS IN MARTIN COUNTY, TEXAS.



550 Bailey Ave., 205 - Fort Worth, TX 76107  
Ph: 817.349.9800 - Fax: 979.732.5271  
TBPE Firm 17957 | TBPLS Firm 10193887  
www.fscinc.net

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DATE: 10/12/16  
DRAWN BY: GG  
CHECKED BY: JK  
FIELD CREW: RR/KN  
PROJECT NO: 2015081001  
SCALE: 1" = 1000'  
SHEET: 1 OF 1  
REVISION: NO

PLOT DATE: 10/12/16 6:15 P.M.