



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 08/11/2017
Tracking No.: 173860

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION			
Operator	XTO ENERGY INC.	Operator	945936
Operator	ATTN JAMES HALL 6401 HOLIDAY RD #5 MIDLAND, TX 79707-2156		

WELL INFORMATION			
API	42-003-47434	County:	ANDREWS
Well No.:	7216	RRC District	08
Lease	FULLERTON CLEARFORK UNIT	Field	FULLERTON
RRC Lease	01770	Field No.:	33230001
Location	Section: 6, Block: 13, Survey: UL, Abstract: U398		
Latitude	32.40819	Longitud	-102.82311
This well is	17.4	miles in a	NORTHWEST
direction from	ANDREWS,		
which is the nearest town in the			

FILING INFORMATION			
Purpose of	Initial Potential		
Type of	New Well		
Well Type:	Producing	Completion or Recompletion	05/01/2017
Type of Permit	Date	Permit No.	
Permit to Drill, Plug Back, or	12/20/2016	821026	
Rule 37 Exception			
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION			
Spud	03/20/2017	Date of first production after rig	05/01/2017
Date plug back, deepening, drilling operation	03/20/2017	Date plug back, deepening, recompletion, drilling operation	03/26/2017
Number of producing wells on this lease this field (reservoir) including this	729	Distance to nearest well in lease & reservoir	639.0
Total number of acres in	29541.59	Elevation	3323 GR
Total depth TVD	7325	Total depth MD	
Plug back depth TVD		Plug back depth MD	
Was directional survey made other inclination (Form W-	No	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	85.5 Yes
Recompletion or	No	Multiple	No
Type(s) of electric or other log(s)	Gamma Ray (MWD)		
Electric Log Other Description:			
Location of well, relative to nearest lease of lease on which this well is	25424.0 Feet from the	Off Lease :	No
	9675.0 Feet from the	North Line and	
		West Line of the	
	FULLERTON CLEARFORK UNIT Lease.		

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.			
Field & Reservoir	Gas ID or Oil Lease	Well No.	Prior Service Type
PACKET:	N/A		

W2:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination	Depth	1550.0	Date 12/07/2016
SWR 13 Exception	Depth		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION			
Date of	05/14/2017	Production	Pumping
Number of hours	24	Choke	
Was swab used during this	No	Oil produced prior to	64.00
PRODUCTION DURING TEST PERIOD:			
Oil	33.00	Gas	38
Gas - Oil	1151	Flowing Tubing	
Water	557		
CALCULATED 24-HOUR RATE			
Oil	33.0	Gas	38
Oil Gravity - API - 60.:	40.3	Casing	
Water	557		

CASING RECORD											
Ro	Type of Casing	Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size (in.)	Size	Depth	Stage Tool	Stage Shoe	Class	Amoun	Volume (cu.	Cement (ft.)	Determined By
1	Surface	8 5/8	11	1700			PREM PLUS	640	1175.0	0	Circulated to Surface
2	Conventional Production	5 1/5	7 7/8	7325			EONOCHE M	1445	2990.0	0	Circulated to Surface

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

TUBING RECORD			
<u>Ro</u>	<u>Size (in.)</u>	<u>Depth</u>	<u>Size (ft.)</u>
1	2 7/8	6964	
			<u>Packer Depth (ft.)/Type</u>
			/

PRODUCING/INJECTION/DISPOSAL INTERVAL			
<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L 6627	6742.0
2	No	L 6795	6893.0
3	No	L 7053	7216.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment		Yes	
Is well equipped with a downhole sleeve?		No	
		If yes, actuation pressure	
Production casing test pressure (PSIG)		Actual maximum pressure (PSIG) during	
hydraulic fracturing	4800	fracturin	4456
Has the hydraulic fracturing fluid disclosure been		Yes	
<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>
1	Fracture	FRACFOCUS ON FILE	6627 7216

FORMATION RECORD					
<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
SANTA ROSA BASE	Yes	1465.0		Yes	
YATES	Yes	2833.0		Yes	
SEVEN RIVERS	Yes	3107.0		Yes	
QUEEN	Yes	3677.0		Yes	
GRAYBURG	Yes	4042.0		Yes	
SAN ANDRES - CO2 FLOOD, HIGH FLOWS, H2S, CORROSIVE	Yes	4364.0		Yes	
HOLT	No			No	NOT ENCOUNTERED
GLORIETA	Yes	5485.0		Yes	
TUBB	Yes	6467.0		Yes	
CLEARFORK	Yes	6580.0		Yes	
PERMIAN DETRITAL	No			No	NOT ENCOUNTERED
LEON	No			No	NOT ENCOUNTERED
WICHITA ALBANY	Yes	6980.0		Yes	
SPRABERRY	No			No	DEEPER THAN TD
DEAN	No			No	DEEPER THAN TD
WOLFCAMP	No			No	DEEPER THAN TD
CANYON	No			No	DEEPER THAN TD
PENNSYLVANIAN	No			No	DEEPER THAN TD
MCKEE	No			No	DEEPER THAN TD
STRAWN	No			No	DEEPER THAN TD
FUSSELMAN	No			No	DEEPER THAN TD
DEVONIAN	No			No	DEEPER THAN TD
SILURIAN	No			No	DEEPER THAN TD
ELLENBURGER	No			No	DEEPER THAN TD
Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm					Yes
Is the completion being downhole commingled					No

REMARKS

RRC REMARKS

OPERATOR'S CERTIFICATION

Telephone (432) 620-4336

Date 05/22/2017

Date 05/22/2017



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: XTO ENERGY, Inc.			Operator P-5 No.: 945936		
Cementer Name: HALLIBURTON ENERGY SERVICES			Cementer P-5 No.: 347151		
WELL INFORMATION					
District No.: 08		County: ANDREWS			
Well No.: 7216		API No.: 42-003-47434		Drilling Permit No.: 821026	
Lease Name: FULLERTON CLEARFORK UNIT		Lease No.: 01770			
Field Name: Fullerton		Field No.: 33230001			
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.): 11		Depth of drilled hole (ft.): 1700		Est. % wash-out or hole enlargement: 320%	
Size of casing in O.D. (in.): 8 5/8		Casing weight (lbs/ft) and grade: 24		No. of centralizers used: 12	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks.			Setting depth shoe (ft.): 1700		Top of liner (ft.):
Hrs. waiting on cement before drill-out:			Calculated top of cement (ft.): 0		Cementing date: 3/21/2017
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	410	PREM PLUS	REMARKS	855	3401
2	230	PREM PLUS	REMARKS	310	1159
3					
Total	640			1165	4560
II. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper: Lower:		Upper: Lower:		Upper: Lower:	
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper: Lower:		Upper: Lower:		Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO			Setting depth shoe (ft.):		
Hrs. waiting on cement before drill-out:			Calculated top of cement (ft.):		Cementing date:
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0
III. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/OV tool <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper: Lower:		Upper: Lower:		Upper: Lower:	
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper: Lower:		Upper: Lower:		Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO			Setting depth tool (ft.):		
Hrs. waiting on cement before drill-out:			Calculated top of cement (ft.):		Cementing date:
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

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

REMARKS
1ST STAGE CEMENT SLURRY: 1% ECCONDUITE, 5 LBM SALT, 3 LBM KOL-SEAL, 125 LBM POLY-E-FLAKE 2ND STAGE LEAD: 325 LBM POLY-E-FLAKE, 1% CALCIUM CHLORIDE CIRCULATED 225 SACKS, 85 BGALS BACK TO SURFACE (SDH302916712)

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

MANUEL DOMINGUEZ SS II

Halliburton

Name and title of cementer's representative
1301 W. Webb St.

Cementing Company

Brownfield, Tx, 79316

575-392-0700

3/21/2017

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.

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.



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Form W-15

Rev. 08/2014

CEMENTING REPORT

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

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Operator Name: KTO ENERGY, Inc.			Operator P-5 No.: 945936		
Cement Name: HALLIBURTON ENERGY SERVICE			Cement P-5 No.: 347151		
WELL INFORMATION					
District No.: 08		County: ANDREWS			
Well No.: 7216		API No.: 42-003-47434		Drilling Permt No.: 821026	
Lease Name: FULLERTON CLEARFORK UNIT		Lease No.: 01970			
Field Name: Fullerton		Field No.: 33230001			
I. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input checked="" type="checkbox"/> Production					
Drilled hole size (in.): 7 7/8		Depth of drilled hole (ft.): 7325		Est. % wash-out or hole enlargement: 350%	
Size of casing in O.D. (in.): 5 1/2		Casing weight (lbs/ft) and grade: 17		No. of centralizers used: 55	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks.				Setting depth shoe (ft.): 7325	
				Top of liner (ft.):	
				Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.): 0		Cementing date: 3-26-2017	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	645	ECONOCEM	REMARKS	1897.59	10953
2	800	VERSACEM	REMAKER	1092.8	6254
3					
Total	1445			2990.39	17207
II. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper: Lower:		Upper: Lower:			
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper: Lower:		Upper: Lower:		Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO				Setting depth shoe (ft.):	
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):		Cementing date:	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0
III. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:	
Tapered string drilled hole size (in.)		Tapered string depth of drilled hole (ft.)			
Upper: Lower:		Upper: Lower:			
Tapered string size of casing in O.D. (in.)		Tapered string casing weight (lbs/ft) and grade		Tapered string no. of centralizers used	
Upper: Lower:		Upper: Lower:		Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO				Setting depth tool (ft.):	
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):		Cementing date:	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

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

REMARKS

1ST SLURRY: 055: SA-1015, 25 LBM D-AFL, 30% HASAD, 5 LBM MICROBOND, 3 LBM KOL-SEAL, 1250 LBM POLY-E-FLAKE
2ND SLURRY: 20% CTR, 3 LBM SALT, 30% HASAD, 5 LBM MICROBOND, 10% HR-200
SDM903926052, CALCULATE 169 BBL OR 322 SACS

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.

DALE SCOTT SERVICE SUPERVISOR I

Halliburton

Name and title of cementer's representative

Cementing Company

1301 W. Webb St.

Brownfield, Tx, 79316

575-392-0700

3-26-2017

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

500 W. Illinois, Ste. 100, Midland, Tx 79701

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=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
- Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION
CERTIFICATE OF COMPLIANCE STATEWIDE RULE 36

FORM H-9

12/12/77

FILE WITH
DISTRICT OFFICE
IN TRIPLICATE

1. Operator Exxon Mobil Corporation		2. Operator Number (See Instruction 13) 257128		3. RRC Dist. 08	
4. Street or P.O. Box No. P.O. Box 4358		5. City Houston		6. State TX	
7. Zip Code 77210		8. Name of Lease, Facility or Operation Robertson Clearfork Unit		9. Field or Area Name Fullerton	
10. County Andrews		11. General Operation Type - Circle One: <input checked="" type="radio"/> A - Oil Field Production <input type="radio"/> B - Gas Field Production <input type="radio"/> C - Pipeline or Gathering Sys. <input type="radio"/> D - Gasoline Plant <input type="radio"/> E - Drilling or Workover <input type="radio"/> F - Sweetening Unit <input type="radio"/> G - Combination (explain) <input type="radio"/> H - Other (explain)		Other Explanation	
12. RRC ID# of Operation(s) to be Covered by This Certificate 01770		Type ID Code (See Instruction 12) 1		Indicate if Filing for Storage Facility Only YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
13. Hydrogen Sulfide Concentration 11,267 PPM		14. Maximum Escape Volume 300 MCF/Day		15. 100 PPM Radius of Exposure (ROE) 216 Ft.	
16. 500 PPM Radius of Exposure (ROE) 99 Ft.		17. Operation is Existing <input checked="" type="checkbox"/> New <input type="checkbox"/>		18. Modification Resulting in Certificate Change Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
19. Workover or Drilling Well with 100 PPM ROE Greater than 3000' feet on Rule 36 Certified Well/Lease Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		20. Previous Certificate Number if Available (For Amended Certificates) 003476		21. The 100 PPM ROE includes any part of a public area except a public road Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
22. The 500 PPM ROE includes any part of a public road Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		23. Injection of fluid containing Hydrogen Sulfide (See Instruction 14) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		24. Date (or Depth) of Compliance with all applicable provisions of Rule 36 03/02/2009 Mo Day Year	
25. Contingency Plan Location of Plan (See Instruction 15) No Contingency Plan required.		RECEIVED RRC OF TEXAS MAR 05 2009 O&G MIDLAND		Has been prepared Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
26. Location of data used to prepare this certificate (See Instruction 15) 6810 NW 8000 Andrews, Texas 79714		CERTIFICATE		I declare under penalties prescribed in Section 91.143, Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision, and that I am qualified to make this certification by virtue of my training and experience, and by my analysis of the operation being certified, or by the analysis of qualified person working under my supervision, and that the data and facts stated therein are true, correct, and complete, to the best of my knowledge.	
Representative of Company Dw Parks		Title Operations Compliance Specialist		Phone No. (432) 634-8109	
Date 03/02/09		Date		Date	

RAILROAD COMMISSION USE ONLY

This operation and the equipment used therein is approved on the basis of the above certification and is subject to further Commission audit for compliance with the required provisions of Statewide Rule 36. This approval may be cancelled if investigation determines that the operation does not comply with the provisions of Statewide Rule 36.

APPROVED BY: Mark A. Spence

DATE: MAR 12 2009

REMARKS:

CERTIFICATION NUMBER: 060888

Permitting

MAR 19 2009

Clear Form



January 20, 2012

REC'D/MIDLAND

FEB 03 2012

RECEIVED
RRC OF TEXAS

JAN 27 2012

OIL & GASFIELD OPERATIONS
AUTHORITY

JAN 20 2012

9:16
AM

Approved
Mark Spannaus
1-25-2012

Completed 1/30/2011

Kim Dally

Mark Spannaus
Railroad Commission of Texas
Conoco Towers
10 Desta Drive, Suite 500E
Midland, TX 79705

Re: Change of Operator on H-9 Certificates

Dear Mark,

We are requesting the change of operator from Exxon Mobil Corporation, Operator No. 257128, to XTO Energy Inc., Operator No. 945936, on the attached list of H-9 certificates.

This letter will also serve to certify the H-9 certificates have analyses that are less than 5 years old. In that time, we show no significant changes in the volume or concentration in the ROE which would include any public areas or roads.

If you have any questions, please contact the undersigned.

Sincerely,

Al Mayfield
Superintendent
432-266-0469

Richard Lewis
Superintendent
432-488-6862

Attachment

945936

District	Field Name	H-9 Certificate No.	Lease Numbers	Facilities	Approval Date
08	Block 16 (Montoya)	063269 ✓	250696 245711	Pyote Gas Unit No. 2 Pyote Gas Unit No. 13	10/15/2009
J8	Deep Rock (Devonian)	060886 ✓	25377	King, Georgia B.	3/12/2009
08	Deep Rock (Glorieta 5950)	060885 ✓	33898 14608	Deep Rock Glorieta Unit Ogden, Belle, -A-	3/12/2009
08	Evetts (Pennsylvanian)	065105 ✓	256356 074251 083298 134824 142304 179198	Haley Unit 8 Haley Unit Haley Unit Haley Unit Athey, Charles B. Haley Unit	JAN 20 2010 2010
08	Evetts (Silurian)	063775 ✓	31603 25439	Haley Unit -34- Haley, John, Jr. -C-	1/5/2010
08	Evetts (Silurian)	065106 ✓	181387 050227	Haley 18 Haley Unit	10/1/2010
08	Fuhrman (Glorieta)	060896 ✓	34056	Walker, B S	3/12/2009
08	Fuhrman-Mascho	060895 ✓	21064	Walker, B S	3/12/2009
08	Fuhrman-Mascho (Devonian)	060894 ✓	10080	Walker, B S	3/12/2009
08	Fullerton	060888 ✓	01770 40432	Fullerton Clearfork Unit Logsdon C W	3/12/2009
08	Fullerton (Devonian)	060887 ✓	32000 31066 31514 31909	State University -GB- Wilson -B- Wilson, H.M. -A- State University -GA-	3/12/2009
08	Fullerton (Ellenburger)	060890 ✓	29851	H. M. Wilson -A-	3/12/2009
08	Fullerton (San Andres)	060892 ✓	30331	Wilson -A-, H.M.	3/12/2009
08	Fullerton (Wolfcamp)	060891 ✓	35925	Logsdon C W	3/12/2009
08	Fullerton, West (Grayburg)	060893 ✓	102992	Wilson, H.M. -A-	3/12/2009
08	Martin (Consolidated)	060784 ✓	36494 36480	Parker, J. E. Parker, J. E. A/C 3A	2/27/2009
08	Martin (Ellenburger)	060781 ✓	04073	Parker, J. E.	2/27/2009
08	Martin (McKee)	060783 ✓	32099 04080 32094	Parker, J. E. A/C 3 "A" Parker, J. E. Parker, J. E. A/C 1 "A"	2/27/2009
08	Martin (Second Simpson SD.)	060779 ✓	29399	Parker, J. E.	2/27/2009
18	Means	065958 ✓	17503	Means/San Andres/Unit	3/22/2011
08	Robertson, N. (Clear Fork 7100)	060889 ✓	60580	Robertson/Clearfork/Unit	3/12/2009
08	Robertson, N. (Devonian)	060521 ✓	68630	Exxon Fee "B"	1/30/2009

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**

Form W-12
(1-1-71)

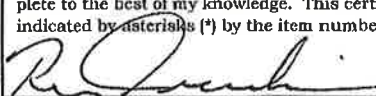
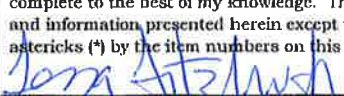
INCLINATION REPORT		6. RRC District 08
(One Copy Must Be Filed With Each Completion Report)		7. RRC Lease Number (Oil completions only) 01770
1. FIELD NAME (as per RRC Records or Wildcat) Fullerton	2. LEASE NAME Fullerton Clearfork Unit	8. Well Number 7216
3. OPERATOR XTO Energy, Inc		9. RRC Identification Number (Gas completions only)
4. ADDRESS 500 W Illinois, Ste 100 Midland TX 79701		10. County Andrews
5. LOCATION (Section, Block and Survey) Sec. 6, B1K. 13, University Land A-U398		

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per (Hundred Feet (Sine of Angle X 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
231	2.31	0.20	0.35	0.81	0.81
680	4.49	0.20	0.35	1.57	2.37
1148	4.68	0.10	0.17	0.82	3.19
1623	4.75	0.40	0.70	3.32	6.51
1690	0.67	0.30	0.52	0.35	6.86
1878	1.88	1.00	1.75	3.28	10.14
2068	1.90	0.70	1.22	2.32	12.46
2257	1.89	1.10	1.92	3.63	16.09
2415	1.58	1.60	2.79	4.41	20.50
2604	1.89	1.90	3.32	6.27	26.77
2761	1.57	1.70	2.97	4.66	31.42
2919	1.58	1.20	2.09	3.31	34.73
3076	1.57	1.00	1.75	2.74	37.47
3266	1.90	1.00	1.75	3.32	40.79
3456	1.90	0.90	1.57	2.98	43.77
3646	1.90	0.50	0.87	1.66	45.43

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☒ yes ☐ no
18. Accumulative total displacement of well bore at total depth of **7,285.00** feet = **89.61** feet.
- *19. Inclination measurements were made in ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line **9675** feet.
21. Minimum distance to lease line as prescribed by field rules **330** feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? **NO**
- (If the answer to above question is "yes," attach written explanation of the circumstances.)

INCLINATION DATA CERTIFICATION	OPERATOR CERTIFICATION
<p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both side of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <p></p> <p>Signature of Authorized Representative RON SCANDOLARI, VP CONTRACT DRILLING</p> <p>Name of Person and Title (type or print) BASIC ENERGY SERVICES</p> <p>Name of Company</p> <p>Telephone: 432 - 563-2106</p> <p align="center">Area Code</p>	<p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data is presented on both sides of this forms are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <p></p> <p>Signature of Authorized Representative Tessa Fitzhugh, Reg. Analyst</p> <p>Name of Person and Title (type or print) XTO Energy, Inc.</p> <p>Operator</p> <p>Telephone: 432 - 620-4336</p> <p align="center">Area Code</p>

Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

* Designates items certified by company that conducted the inclination surveys.

RECORD OF INCLINATION (Continued from reverse side)

[illegible]

If additional space is needed, attach separate sheet and check here. ☐

REMARKS:

- INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. (Inclination surveys are required on re - entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled; by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.

Tracking No.: 173860

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: XTO ENERGY INC.District
No. 08Completion
Date: 05/01/2017Field
Name FULLERTONDrilling Permit
No. 821026Lease
Name FULLERTON CLEARFORK UNITLease/ID
No. 01770Well
No. 7216County
ANDREWSAPI
No. 42- 003-47434

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). _____

Tessa Fitzhugh

Signature

XTO ENERGY INC.

Name (print)

Regulatory Analyst

Title

(432) 620-4336

Phone

07/18/2017

Date

-FOR RAILROAD COMMISSION USE ONLY-

HALLIBURTON

NATURAL GAMMA RAY DUAL SPACED NEUTRON SPECTRAL DENSITY

COMPANY XTO ENERGY INC. WELL FULLERTON CLEARFORK UNIT No. 7216 FIELD/BLOCK FULLERTON COUNTY ANDREWS STATE TEXAS	COMPANY XTO ENERGY INC. WELL FULLERTON CLEARFORK UNIT No. 7216 FIELD/BLOCK FULLERTON COUNTY ANDREWS STATE TEXAS			
	API No. 42-003-47434 Location 2537 FSL AND 387 FWL SEC. 8, BLK 13, ABSTRACT: U398 SURVEY: UL			
Other Services: DLIT				
Permanent Datum	GL	Elev. 3323.0 ft	Elev.: K.B.	3336.0 ft
Log measured from	KB	13.0 ft above perm. Datum	D.F.	3335.0 ft
Drilling measured from	KB		G.L.	3323.0 ft
Date	25-Mar-17			
Run No.	ONE			
Depth - Driller	7325.0 ft			
Depth - Logger	7312.0 ft			
Bottom - Logged Interval	7256.0 ft			
Top - Logged Interval	200.0 ft			
Casing - Driller	8.625 in @ 1861.0 ft	@	@	
Casing - Logger	1696.0 ft			
Bt Size	7.875 in	@	@	
Type Fluid in Hole	Brine			
Density	Viscosity	10.1 ppG	29.00 s/gl	
PH	Fluid Loss	10.00 pH		
Source of Sample	FLOWLINE			
Rm @ Meas. Temperature	0.06 ohm-m @ 75.00 degF	@	@	
Rmf @ Meas. Temperature	0.04 ohm-m @ 75.00 degF	@	@	
Rmc @ Meas. Temperature	0.08 ohm-m @ 75.00 degF	@	@	
Source Rmf	Rmc	CHART	CHART	
Rm @ BHT	0.03 ohm-m @ 138.0 degF	@	@	
Time Since Circulation	06:00			
Time on Bottom	25-Mar-17 20:01			
Max Rec. Temperature	138.00 degF @ 7312.0 ft	@	@	
Equipment	Location	10549591	ODESSA, TX	
Recorded By	YASIN ABLLAIHA			
Witnessed By	RICHARD BESSE			

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 07 December 2016**GAU Number:** 164163**Attention:** XTO ENERGY INC.
ATTN ALAN CODY
FORT WORTH, TX 76102**Operator No.:** 945936**API Number:**
County: ANDREWS
Lease Name: FULLERTON CLEARFORK UNIT
Lease Number: 01770
Well Number: 7216
Total Vertical Depth: 7500
Latitude: 32.408185
Longitude: -102.823113
Datum: NAD27**Purpose:** New Drill**Location:** Survey-UL; Block-13; Section-6

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:

The interval from the land surface to a depth of 250 feet, and the zone from 1150 to 1550 feet must be protected.

This recommendation is applicable for all wells drilled in this Section 6.

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 12/06/2016. 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

Form GW-2
Rev. 02/2014

P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.gov



0 500 1000
1" = 1000 FEET

J.N. ROSS
ABSTRACT 1363
SECTION 20, BLOCK A37
PUBLIC SCHOOL LAND

G.W. STANFORD
ABSTRACT 644
SECTION 16, BLOCK A32
PUBLIC SCHOOL LAND

W.A. MARSHALL
ABSTRACT 625
SECTION 16, BLOCK A32
PUBLIC SCHOOL LAND

(SHOWN PARTIAL)
FULLERTON CLEARFORK UNIT
CALLED 29,541.59 ACRES

UNIVERSITY LAND
SECTION 6, BLOCK 13

SHL/PP
FULLERTON CLEARFORK
UNIT #7216
ELEV. 3323'

C.G. BLOOM
ABSTRACT 654
SECTION 21, BLOCK A37
PUBLIC SCHOOL LAND

C.G. BLOOM
ABSTRACT 657
SECTION 1, BLOCK A48
PUBLIC SCHOOL LAND

UNIVERSITY LAND
SECTION 7, BLOCK 13

GENERAL NOTES

1. COORDINATES SHOWN ARE BASED ON TEXAS PLANE COORDINATE SYSTEM OF NAD 27, TEXAS CENTRAL ZONE, 4203.
2. VERTICAL DATUM IS NAVD 88.
3. LATITUDE AND LONGITUDE ARE NAD 27 AS SHOWN.
4. AREA, DISTANCES, AND COORDINATES ARE "GRID".
5. UNITS ARE UNITED STATES SURVEY FOOT.
6. ALL LEASE AND TRACT INFORMATION SHOWN HERE ON IS DONE SO BY LIMITED DEED RECORD INFORMATION ONLY. ALL ACRESAGES SHOWN ARE BY DEED AND LEASE CALL, EXCEPT WHERE NOTED. THIS IS NOT IN ANY WAY A "BOUNDARY SURVEY".

DRIVING DIRECTIONS TO LOCATION:
FROM THE INTERSECTION OF MAIN ST. AND BROADWAY ST. IN ANDREWS HEAD WEST ON BROADWAY ST. APPROX. 1.1 MILES. TAKE SLIGHT RIGHT ON RANCH ROAD 87 AND GO APPROX. 15.0 MILES. TURN RIGHT ON NW 7001 AND GO APPROX. 2.9 MILES AND ARRIVE AT THE LOCATION APPROX. 440' ON THE RIGHT.

WELL LOCATION INFORMATION:


SURFACE HOLE LOCATION/PP:
NAD 83, TEXAS CENTRAL ZONE COORD'S
Y = 10,848,339.60, X = 1,527,934.01
LAT: N 32.40830°, LONG: W 102.82357°
SHL: 2,537' FSL & 387' FWL
SHL: 25,242' FNLL & 9,675' FWLL

NAD 27, TEXAS CENTRAL ZONE COORD'S
Y = 1,005,762.73, X = 1,231,474.47
LAT: N 32.40819°, LONG: W 102.82311°

FOR RRC PURPOSES ONLY:

NAD 27, TEXAS NORTH CENTRAL ZONE COORD'S
Y = 311,380.68, X = 357,875.88
LAT: N 32.40819°, LONG: W 102.82311°

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


MARK DILLON HARP
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF TEXAS NO. 6445



PLAT OF:
A PROPOSED WELL LOCATION FOR:
XTO ENERGY INC.
FULLERTON CLEARFORK UNIT #7216

SITUATED IN UNIVERSITY LAND SURVEY, SECTION 6,
BLOCK 13, LOCATED 17.4 MILES NORTHWEST OF
ANDREWS, IN ANDREWS COUNTY, TEXAS

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

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DATE: 8-24-2016
DRAWN BY: AJ
CHECKED BY: DH
FIELD CREW: MC&MR
PROJECT NO: 2016080637
SCALE: 1" = 1000'
SHEET: 1 OF 1
REVISION: NO