



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 07/12/2017
Tracking No.: 172311

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

OPERATOR INFORMATION

Operator Name: AJAX RESOURCES, LLC Operator No.: 000597
Operator Address: 24 GREENWAY PLAZA SUITE 650 HOUSTON, TX 77046-0000

WELL INFORMATION

API No.: 42-317-40606 County: MARTIN
Well No.: 4106 RRC District No.: 08
Lease Name: UL MS HZ BLK 6 UNIT Field Name: SPRABERRY (TREND AREA)
RRC Lease No.: 48661 Field No.: 85280300
Location: Section: 41, Block: 6, Survey: UL, Abstract: U10

Latitude: 32.44248 Longitude: -102.19390
This well is located 17.1 miles in a NORTHWEST
direction from TARZAN,
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: 03/16/2017

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	12/21/2016	820490
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 01/01/2017	Date of first production after rig released: 03/16/2017
Date plug back, deepening, recompletion, or drilling operation commenced: 01/01/2017	Date plug back, deepening, recompletion, or drilling operation ended: 01/26/2017
Number of producing wells on this lease in this field (reservoir) including this well: 1	Distance to nearest well in lease & reservoir (ft.): 0.0
Total number of acres in lease: 1600.00	Elevation (ft.): 2903 GR
Total depth TVD (ft.): 8725	Total depth MD (ft.): 16719
Plug back depth TVD (ft.): 8722	Plug back depth MD (ft.): 16719
Was directional survey made other than inclination (Form W-12)? Yes	Rotation time within surface casing (hours): 142.0
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 : Yes
of lease on which this well is located: 2241.0 Feet from the North Line and 1320.0 Feet from the East Line of the UL MS HZ BLK 6 UNIT Lease.	

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

Field & Reservoir	Gas ID or Oil Lease No.	Well No.	Prior Service Type
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W2: N/A

PACKET:	N/A
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:	
GAU Groundwater Protection Determination	Depth (ft.): 350.0
SWR 13 Exception	Date: 12/21/2016
	Depth (ft.):

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION	
Date of test: 05/25/2017	Production method: Pumping
Number of hours tested: 24	Choke size:
Was swab used during this test? No	Oil produced prior to test: 43420.00
PRODUCTION DURING TEST PERIOD:	
Oil (BBLs): 1101.00	Gas (MCF): 644
Gas - Oil Ratio: 584	Flowing Tubing Pressure: 310.00
Water (BBLs): 2951	
CALCULATED 24-HOUR RATE	
Oil (BBLs): 1101.0	Gas (MCF): 644
Oil Gravity - API - 60.: 39.3	Casing Pressure: 150.00
Water (BBLs): 2951	

CASING RECORD											
Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Stage Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	13 3/8	17 1/2	1867			CLASS C	1534	1615.0	SURF ACE	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	8493	6380		CLASS C	1218	2882.0	724	Calculation
3	Intermediate	9 5/8	12 1/4	8493			CLASS C	468	943.0	6384	Calculation
4	Conventional Production	5 1/2	8 1/2	16717			CLASS H	1899	2412.0	6188	Calculation

LINER RECORD									
Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
N/A									

TUBING RECORD			
Row	Size (in.)	Depth	Size (ft.)
1	2 7/8	7671	
			Packer Depth (ft.)/Type
			/

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 9032	16538.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed?		Yes	
Is well equipped with a downhole actuation sleeve?		No	
If yes, actuation pressure (PSIG):			
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:		9000	
Actual maximum pressure (PSIG) during hydraulic fracturing:		7930	
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	19,117,056 GAL OF H2O, 113,920 GAL OF .1-7.5%HCL, 4,493,543 LBS OF 100 MESH SAND, 10,938,912 OF OTTAWA SAND, 111,880 OF 30/50 PRIME PLUS	9032	16538

FORMATION RECORD					
Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
SAN ANDRES - ACTIVE CO2 FLOOD;	Yes	4618.0	4618.0	Yes	
HIGH FLOWS; H2S; CO					
CLEARFORK	Yes	6390.0	6390.0	Yes	
SPRABERRY	Yes	8260.0	8260.0	Yes	ESTIMATE BASED ON UNIV
UPPER SPRABERRY	Yes	8260.0	8260.0	Yes	MAK 6-44 #1
MIDDLE SPRABERRY	Yes	8550.0	8550.0	Yes	
SANTA ROSA	No			No	NOT PRESENT
YATES	No			No	NOT PRESENT
QUEEN	No			No	NOT PRESENT
GRAYBURG	No			No	NOT PRESENT
CISCO	No			No	CISCO NOT PRESENT
DEAN	No			No	PASSED TVD - NOT
WOLFCAMP	No			No	LOGGED AT THIS DEPTH
PENNSYLVANIAN	No			No	PASSED TVD - NOT
STRAWN	No			No	LOGGED AT THIS DEPTH
MISSISSIPPIAN	No			No	PASSED TVD - NOT
FUSSELMAN	No			No	LOGGED AT THIS DEPTH
SILURIAN	No			No	PASSED TVD - NOT
DEVONIAN	No			No	LOGGED AT THIS DEPTH
ELLENBURGER	No			No	PASSED TVD - NOT
					LOGGED AT THIS DEPTH

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 7900'. PLEASE FIND ATTACHED P-4 CHANGE OF OPERATOR FROM AJAX TO ENERGYQUESTII.

RRC REMARKS	
PUBLIC COMMENTS: [RRC Staff 2017-06-27 14:19:34.895] EDL=7506 feet, max acres=560, SPRABERRY (TREND AREA) oil well	
CASING RECORD :	
TUBING RECORD: KOP 7900'	
PRODUCING/INJECTION/DISPOSAL INTERVAL :	
ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. : ADDITIONAL FRACTURE FLUID COMPONENTS PROVIDED IN ATTACHED FRACFOCUS DISCLOSURE.	
POTENTIAL TEST DATA: ESP - 17.6' - DAL 3000 MODEL 400 - NO CHOKE	

OPERATOR'S CERTIFICATION	
Printed Name: Alex Bolanos	Title: Sr. Regulatory Analyst
Telephone No.: (713) 400-3944	Date Certified: 06/30/2017



RAILROAD COMMISSION OF TEXAS

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

CEMENTING REPORT

Form W-15

Rev. 08/2014

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

OPERATOR INFORMATION	
Operator Name: Ajax Resources, LLC	Operator P-5 No.: 000597
Cementer Name: Allied OFS, LLC	Cementer P-5 No.: 014442

WELL INFORMATION	
District No.: 08	County: Martin
Well No.: #4106	API No.: 42-317-40606 Drilling Permit No.: 820490
Lease Name: UL MS HZ BLK 6 Unit	Lease No.: N/A
Field Name: SPRABERRY (TREND AREA)	Field No.: 85280300

I. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Conductor <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production					
Drilled hole size (in.): 17.5	Depth of drilled hole (ft.): 1867	Est. % wash-out or hole enlargement: 25%			
Size of casing in O.D. (in.): 13 3/8	Casing weight (lbs/ft) and grade: 54.5	No. of centralizers used: 14			
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.): 1867	Top of liner (ft.):		
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.): SURACE	Cementing date: 1/2/2017		
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1	1120	CLASS C	REMARKS	1122	1212
2	414	CLASS C	REMARKS	493	655
3					
Total	1534			1615	1867

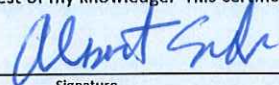
II. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings					
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: 1/2/2017		
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:		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: 1/2/2017		
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu.ft.)	Height (ft.)
1					
2					
3					
Total					

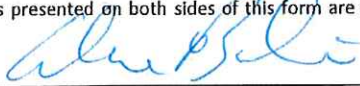
CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount 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
LEAD WAS 1120 SKS O CLASS C WITH 3.48% GEL, 2.39% SODIUM CHLORIDE, .27% SODIUM METASILICATE, .3# /SK KOLSEAL, .13 # /SK LOSEAL, .25 # /SK DEFOAMER. TAIL WAS 414 SKS OF CLASS C WITH .44% CALCIUM CHLORIDE

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

ALBERT SNYDER SS2	Allied OFS, LLC	
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
		1/2/2017
		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.

ALEX BOLANOS	Sr. Regulatory Analyst	
Typed or printed name of operator's representative	Title	Signature
24 Greenway Plaza, Ste. 650, Houston, Tx 77046		713-400-3944
Address	City, State, Zip Code	Tel: Area Code Number
		4/27/17
		Date: mo. Day yr.

Instructions for Form W-15, Cementing Report

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

- What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.
The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representatives. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- How to file:** An oil and gas completion report and form W-15 may be filed online using the Commissioner's Online System (<https://webapps.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).
- Surface Casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
- 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 Cement Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-Stage cement/DV tool.
- Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple form W-15s to show all data for multiple parallel strings.
- Slurry Data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.



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Rev. 08/2014

CEMENTING REPORT

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

OPERATOR INFORMATION					
Operator Name: AJAX RESOURCES LLC			Operator P-5 No.: 000597		
Cementer Name: BJ SERVICES			Cementer P-5 No.: 046292		
WELL INFORMATION					
District No.: 08		County: Martin			
Well No.: 4106		API No.: 42-317-40606		Drilling Permit No.: 820490	
Lease Name: UL MS HZ BLK 6 UNIT		Lease No.: N/A			
Field Name: SPRABERRY (TREND AREA)		Field No.: 85280300			
I. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production					
Drilled hole size (in.):		Depth of drilled hole (ft.):		Est. % wash-out or hole enlargement: 25%	
Size of casing in O.D. (in.):		Casing weight (lbs/ft) and grade:		No. of centralizers used:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks.				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:	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					
II. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings					
Drilled hole size (in.): 12.25		Depth of drilled hole (ft.): 8493		Est. % wash-out or hole enlargement: 25%	
Size of casing in O.D. (in.): 9.625		Casing weight (lbs/ft) and grade: 40 L80		No. of centralizers used: 46	
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 checked="" type="checkbox"/> NO				Setting depth shoe (ft.): 8493	
Hrs. waiting on cement before drill-out: 24		Calculated top of cement (ft.): 6380		Cementing date: 1-13-17	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	288	C	SEE REMARKS	690.1	2203.2
2	200	C	SEE REMARKS	252.6	808.65
3					
Total	488			942.7	3009.75
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.): 12.25		Depth of drilled hole (ft.): 8500		Est. % wash-out or hole enlargement: 25%	
Size of casing in O.D. (in.): 9.625		Casing weight (lbs/ft) and grade: 40 L80		No. of centralizers used: 10	
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 checked="" type="checkbox"/> NO				Setting depth tool (ft.): 6380	
Hrs. waiting on cement before drill-out: 24		Calculated top of cement (ft.): 724		Cementing date: 1-14-17	
SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1018	C	SEE REMARKS	2618.28	8353.65
2	200	C	SEE REMARKS	288	848.33
3					
Total	1218			2882.26	9202.98

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-LEAD-50.50 CLASS C + POZ+10% DE/TONITE+ 0.5% R-3+ 0.005 FP-4L + 0.005 STATIC FREE + 5LBS/GK LCM-1+ 5%FLS2
TAIL- 50.50 H-POZ- 0.05LBS/GK SF+ 2% CD32+ 25% FL52+2% GEL+ 1% R21+3 LBS/GK LCM-1+ 0.05 OP9 FP6L
CIRCULATED BBLs BACKS
2ND STAGE-LEAD-50.50 CLASS C + POZ+0.2% R-3+ 0.005 FP-4L + 0.005 STATIC FREE + 10% GEL+3% + 85% ASA301+2% A10
TAIL- C+ 0.05LBS/GK SF+ 45% R3+ 0.05 FP6L

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.

Field Specialist **RAFAEL REYES**

BJ SERVICES

Rafael Reyes
Signature

Name and title of cementer's representative: **2929 Allen Parkway Suite 2100 Houston, Texas, 77019**
City, State, Zip Code
Cementing Company: **(713) 439-8600**
Tel: Area Code Number
Date: **1-14-17**
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.

Alex Bolanos

Sr. Regulatory Analyst

Alex Bolanos
Signature

Typed or printed name of operator's representative: **24 Greenway Plaza, Ste. 650, Houston, TX 77046**
City, State, Zip Code
Title: **713-400-3944**
Tel: Area Code Number
Date: **4/25/2017**
Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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- 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 cements 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

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

Form W-15

Rev. 08/2014

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

CEMENTING REPORT

OPERATOR INFORMATION					
Operator Name: AJAX RESOURCES			Operator P-5 No.: 000697		
Cementer Name: BAKER HUGHES			Cementer P-5 No.: 046202		

WELL INFORMATION			
District No.: 8		County: MARTIN	
Well No.: 4106		API No.: 4231740606	Drilling Permit No.: 820490
Lease Name: UL MS HZ BLK 6 UNIT		Lease No.: N/A	
Field Name: SPRABERRY (TREND AREA)		Field No.: 85280300	

I. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input checked="" type="checkbox"/> Production					
Drilled hole size (in.): 8.5		Depth of drilled hole (ft.): 16719		Est. % wash-out or hole enlargement: 25%	
Size of casing in O.D. (in.): 5.5		Casing weight (lbs/ft) and grade: 17H/P-110		No. of centralizers used: 98	
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.): 16717	
				Top of liner (ft.):	
				Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out: 24		Calculated top of cement (ft.): 6188		Cementing date: 1/26/2017	

SLURRY					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1899	H	SEE REMARKS	2412	10529
2					
3					
Total	1899			2412	10529

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:	
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:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO				Setting depth shoe (ft.):	
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):		Cementing date:	

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

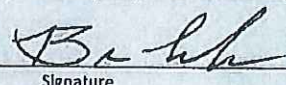
III. CASING CEMENTING DATA					
Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings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

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

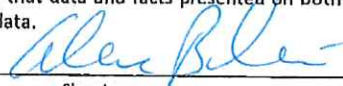
CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount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

REMARKS
REMARKS: 50:50;POZ:H+2% BENTONITE+ 0.6% R-21+ 0.5%FL-52+ 0.5% SMS+ 0.1% CD-32+ 0.005 LB/SK STATIC FREE+ 0.005 GPS FP-6L

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.

Brian Levandowski-Field Specialist	Baker Hughes Oilfield Ops	
Name and title of cementer's representative	Cementing Company	Signature
2929 ALLEN PARKWAY SUITE 2100 HOUSTON, TEXAS 77019	(713) 439-8600	1/26/2017
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.

Alex Bolanos	Sr. Regulatory Analyst	
Typed or printed name of operator's representative	Title	Signature
24 Greenway Plaza, Ste. 650, Houston, TX 77046	713-400-3944	04/25/2017
Address	City, State, Zip Code	Tel: Area Code Number Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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

- What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.
The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.rrc.state.tx.us/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).
- Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&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.

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



LORI WROTENBERY
DIRECTOR, OIL AND GAS DIVISION

D. CRAIG PEARSON
DISTRICT DIRECTOR

RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

OPERATOR Name: AJAX RESOURCES, LLC

RE: Lease: UL MS HZ BLK 6 UNIT

Address1: 24 GREENWAY PLAZA SUITE 650

Address2:

Well No: 4106

City: HOUSTON

Sec: 41 **Block:** 6

State: TX

County: MARTIN

Survey Name: UL

SWR13EX Application Number: 11527

Drilling Permit No: 820490

SWR 13 CASING EXCEPTION APPLICATION/ALTERNATIVE REQUEST APPROVED

The Proposed Casing and Cementing Program submitted for the **LEASE NAME:** UL MS HZ BLK 6 UNIT ;
WELL NUMBER: 4106 has been approved by the Railroad Commission of Texas District Office.

- a. A copy of this approved letter must be kept on location during all phases of drilling and/or plugging operations. Once approved, changes CANNOT be made to the Proposed Casing Program on the original application without additional approval from the Railroad Commission of Texas District Office.
- b. Any substantive modifications to the cement program require prior approval from the Railroad Commission of Texas District Office, and may require re-submission of the SWR 13 (Statewide Rule 13) Alternate Surface Casing Application. Contact the Railroad Commission of Texas District Office for more information.
- c. The tail slurry must be sufficient to fill the Zone of Critical Cement as described in Statewide Rule 13(b)(1)(H)(i). In addition, all cement slurries must be mixed on location as described in Application for Alternate Surface Casing Program.
- d. The casing and cement program shall adhere to the following specifications:
Set 1800 feet of surface casing and circulate cement from the shoe to the ground surface.

IF CEMENT IS NOT CIRCULATED TO THE GROUND SURFACE AS REQUIRED BY THIS EXCEPTION, YOU MUST CONTACT THE RAILROAD COMMISSION OF TEXAS DISTRICT OFFICE IMMEDIATELY AND FOLLOW THE PROCEDURES SET OUT IN RULE 13(b)(1)(H)(iii) OR AS REQUIRED BY THE RAILROAD COMMISSION OF TEXAS DISTRICT OFFICE.

You must comply with all other provisions of SWR 13 (Statewide Rule 13) and a representative of the cementing company who performs the cementing job for the protection of usable quality water strata must sign the Form W-15 attesting to the information regarding cementing operations performed; including circulation of cement. (Note: If surface casing is set below the approved depth, this can result in denial of future Statewide Rule 13(b)(1)(H)(i) requests.) A condition of the approved drilling permit requires notification to the Railroad Commission of Texas District Office eight (8) hours prior to the time casing is to be set/cemented in the well. If your exception request was submitted after the subject well has been drilled and completed, the operator may be referred for enforcement action.

This authorization shall expire within five (5) years from the date the Groundwater Protection Determination was issued, or at the expiration of the drilling permit (if the well is not spudded prior to expiration) for the referenced well, whichever occurs first. Furthermore, this authorization supersedes any prior authorizations issued for the referenced well.

This exception is based on information provided when the application was submitted on 12/21/2016 .
If any information has changed, you must contact the appropriate Railroad Commission of Texas District Office, and submit a new application if applicable. If you have questions, please contact the appropriate Oil and Gas District office.

RRC APPROVAL BY: Jeffery Morgan

DATE: 12/21/2016

D. CRAIG PEARSON

DISTRICT DIRECTOR

Tracking No.: 172311

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: AJAX RESOURCES, LLC	District No. 08	Completion Date: 03/16/2017
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 820490	
Lease Name UL MS HZ BLK 6 UNIT	Lease/ID No. 48661	Well No. 4106
County MARTIN	API No. 42- 317-40606	

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). _____

Alex Bolanos

Signature

Name (print)

Sr. Regulatory Analyst

Title

(713) 400-3944

Phone

04/21/2017

Date

-FOR RAILROAD COMMISSION USE ONLY-

Company: Ajax Resources
 Well Name: UL MS HZ Blk 6 Unit #4106
 API: 42-317-40606
 County/Parish: Martin
 State: TX
 Country: USA
 Job number: MD170002
 Field: Spraberry (Trend Area)
 Rig Id: Nabors M58
 Survey Company: Legacy Directional

Log measurements: 1809	Depth	Date
Depth measured from: 16656 ft	Start: 1871 ft	1/3/17
Maximum temperature: 183	End: 16719 ft	1/22/17

Casing	Depth	Size	Mud Type: WBM / OBM	Elevations
Surface:	1865 ft	13 3/8"	Density: 8.1	KB: 31 ft
Intermediate:	8490 ft	9 5/8"	Viscosity: 44	GL: 2912 ft
			Rm: Rmf: Rmc:	DF: 2943 ft

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	12.25"	47.73 ft	59.53 ft	1871 ft	7100 ft	01/04/2017 05:00	01/08/2017 24:00
2	12.25"	41.10 ft	53.90 ft	7100 ft	7841 ft	01/09/2017 01:30	01/10/2017 20:45
3	12.25"	44.49 ft	57.30 ft	7841 ft	8500 ft	01/10/2017 22:00	01/12/2017 19:30
4	8.50"	55.87 ft	67.67 ft	8500 ft	8784 ft	01/15/2017 08:00	01/16/2017 09:45
5	8.50"	39.25 ft	51.05 ft	8784 ft	9169 ft	01/16/2017 11:00	01/17/2017 07:30
6	8.50"	62.12 ft	73.92 ft	9169 ft	16719 ft	01/17/2017 09:00	01/22/2017 08:40
7							
8							
9							
10							



CERTIFICATE OF POOLING AUTHORITY

Revised 05/2001

P-12

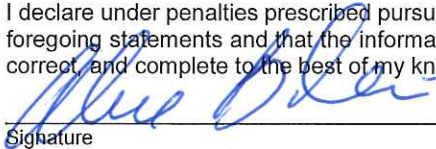
1. Field Name(s) SPRABERRY (TREND AREA)	2. Lease/ID Number (if assigned)	3. RRC District Number 8
4. Operator Name AJAX RESOURCES, LLC	5. Operator P-5 Number 000597	6. Well Number 4106
7. Pooled Unit Name UL MS HZ BLK 6 UNIT	8. API Number N/A	9. Purpose of Filing <input type="checkbox"/> Drilling Permit (W-1) <input checked="" type="checkbox"/> Completion Report
10. County ANDREWS/MARTIN	11. Total acres in pooled unit 1600	

DESCRIPTION OF INDIVIDUAL TRACTS CONTAINED WITHIN THE POOLED UNIT

TRACT/PLAT IDENTIFIER	TRACT NAME	ACRES IN TRACT (See inst. #7 below)	INDICATE UNDIVIDED INTERESTS	
			UNLEASED	NON-POOLED
1	UT LEASE 82634	160	<input type="checkbox"/>	<input type="checkbox"/>
2	UT LEASE 82635	160	<input type="checkbox"/>	<input type="checkbox"/>
3	UT LEASE 107928	160	<input type="checkbox"/>	<input type="checkbox"/>
4	UT LEASE 113207	80	<input type="checkbox"/>	<input type="checkbox"/>
5	UT LEASE 82635	80	<input type="checkbox"/>	<input type="checkbox"/>
6	UT LEASE 82633	80	<input type="checkbox"/>	<input type="checkbox"/>
7	UT LEASE 96951	80	<input type="checkbox"/>	<input type="checkbox"/>
8	UT LEASE 96951	80	<input type="checkbox"/>	<input type="checkbox"/>
9	UT LEASE 93270	240	<input type="checkbox"/>	<input type="checkbox"/>
10	UT LEASE 114980	160	<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.

	Alex Bolanos
Signature	Print Name
Sr. Reg Analyst	04/21/2017
Title	Date
abolanos@ajaxres.com	(713) 400-3944
E-mail (if available)	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

CERTIFICATE OF POOLING AUTHORITY

Revised 05/2001

P-12

1. Field Name(s) SPRABERRY (TREND AREA)	2. Lease/ID Number (if assigned)	3. RRC District Number 8
4. Operator Name AJAX RESOURCES, LLC	5. Operator P-5 Number 000597	6. Well Number 4106
7. Pooled Unit Name UL MS HZ BLK 6 UNIT	8. API Number 317-40606	9. Purpose of Filing <input type="checkbox"/> Drilling Permit (W-1) <input checked="" type="checkbox"/> Completion Report
10. County MARTIN	11. Total acres in pooled unit 1600	

DESCRIPTION OF INDIVIDUAL TRACTS CONTAINED WITHIN THE POOLED UNIT

TRACT/PLAT IDENTIFIER	TRACT NAME	ACRES IN TRACT (See inst. #7 below)	INDICATE UNDIVIDED INTERESTS	
			UNLEASED	NON-POOLED
11	UT LEASE 108923	80	<input type="checkbox"/>	<input type="checkbox"/>
12	UT LEASE 114975	120	<input type="checkbox"/>	<input type="checkbox"/>
13	UT LEASE 108922	120	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

CERTIFICATION:

I declare under penalties prescribed pursuant to the Sec. 91.143, Texas Natural Resources Code, that I am authorized to make the foregoing statements and that the information provided by me or under my direction on this Certificate of Pooling Authority is true, correct, and complete to the best of my knowledge.

Signature Alex Bolanos Print Name Alex Bolanos
Sr. Reg Analyst abolanos@ajaxres.com Date 04/21/0207
Title E-mail (if available) Phone (713) 400-3944

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

Acreage Designation

SECTION I. OPERATOR INFORMATION	
Operator Name: AJAX RESOURCES, LLC	Operator P-5 No.: 000597
Operator Address: 24 GREENWAY PLAZA, STE. 650	

SECTION II. WELL INFORMATION		
District No.: 8	County: MARTIN	Purpose of Filing: <input type="checkbox"/> Drilling Permit Application (Form W-1) <input checked="" type="checkbox"/> Completion Report (Form G-1/W-2)
Well No.: 4106	API No.: 317-40606	
Total Lease Acres: 1600	Drilling Permit No.: 820490	
Lease Name: UL MS HZ BLK 6 UNIT	Lease No.:	
Field Name: SPRABERRY (TREND AREA)	Field No.: 85280300	

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

[illegible]

Total Well Count >	6	260	< A. Total Assigned Horiz. Acreage	740	< C. Total Assigned Acreage
		1973.44	< Total Remaining Horiz. Acreage		< Total Remaining Acreage
			< B. Total Assigned Vert./Dir. Acreage		
			< Total Remaining Vert./Dir. Acreage		

SECTION IV. REMARKS / PURPOSE OF FILING (see instructions)	
1ST horizontal well in 1600 acre unit. UL 6-40 #105LS field transfered to Spaberry (Trend Area) R 40 EXC.	

Attach Additional Pages As Needed. ☒ No additional pages ☐ Additional Pages: _____ (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

Alex Bolanos

Name and title (type or print)

abolanos@ajaxres.com

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

24 Greenway Plaza, Ste. 650 Houston, TX 77046

713-400-3944

6/21/17

Address

City, State, Zip Code

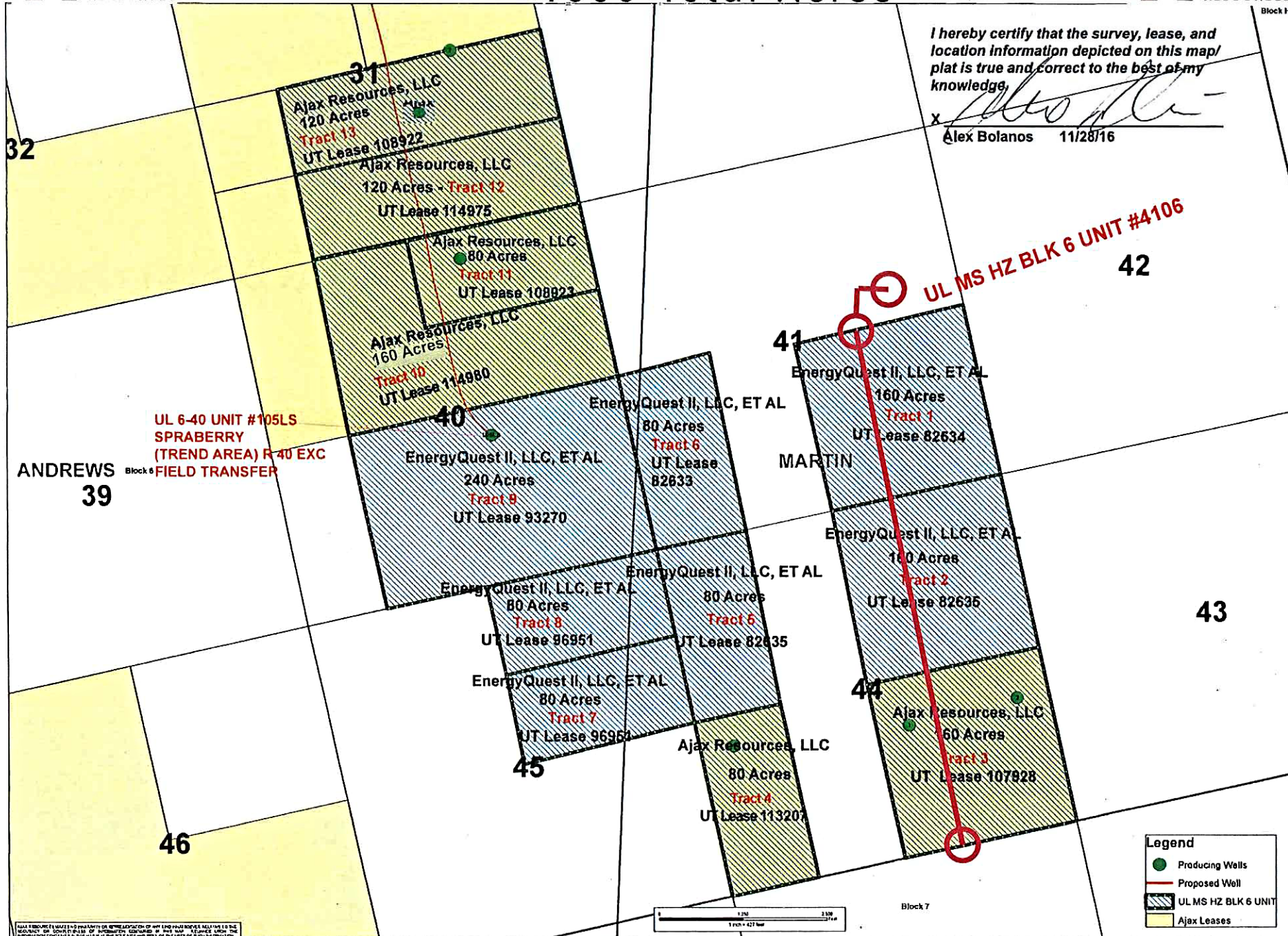
Tel: Area Code

Number

Date: mo. day yr.



UL MS HZ BLK 6 UNIT 1600 Total Acres



I hereby certify that the survey, lease, and location information depicted on this map/ plat is true and correct to the best of my knowledge.

x Alex Bolanos 11/28/16

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 21 December 2016**GAU Number:** 164827**Attention:** AJAX RESOURCES, LLC
24 GREENWAY PLAZA SUITE
HOUSTON, TX 77046**Operator No.:** 000597**API Number:**
County: MARTIN
Lease Name: UL MS HZ BLK 6 UNIT
Lease Number:
Well Number: 4106
Total Vertical Depth: 9100
Latitude: 32.464517
Longitude: -102.199336
Datum: NAD27**Purpose:** New Drill**Location:** Survey-UL; Block-6; Section-41

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

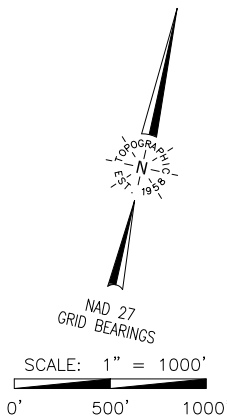
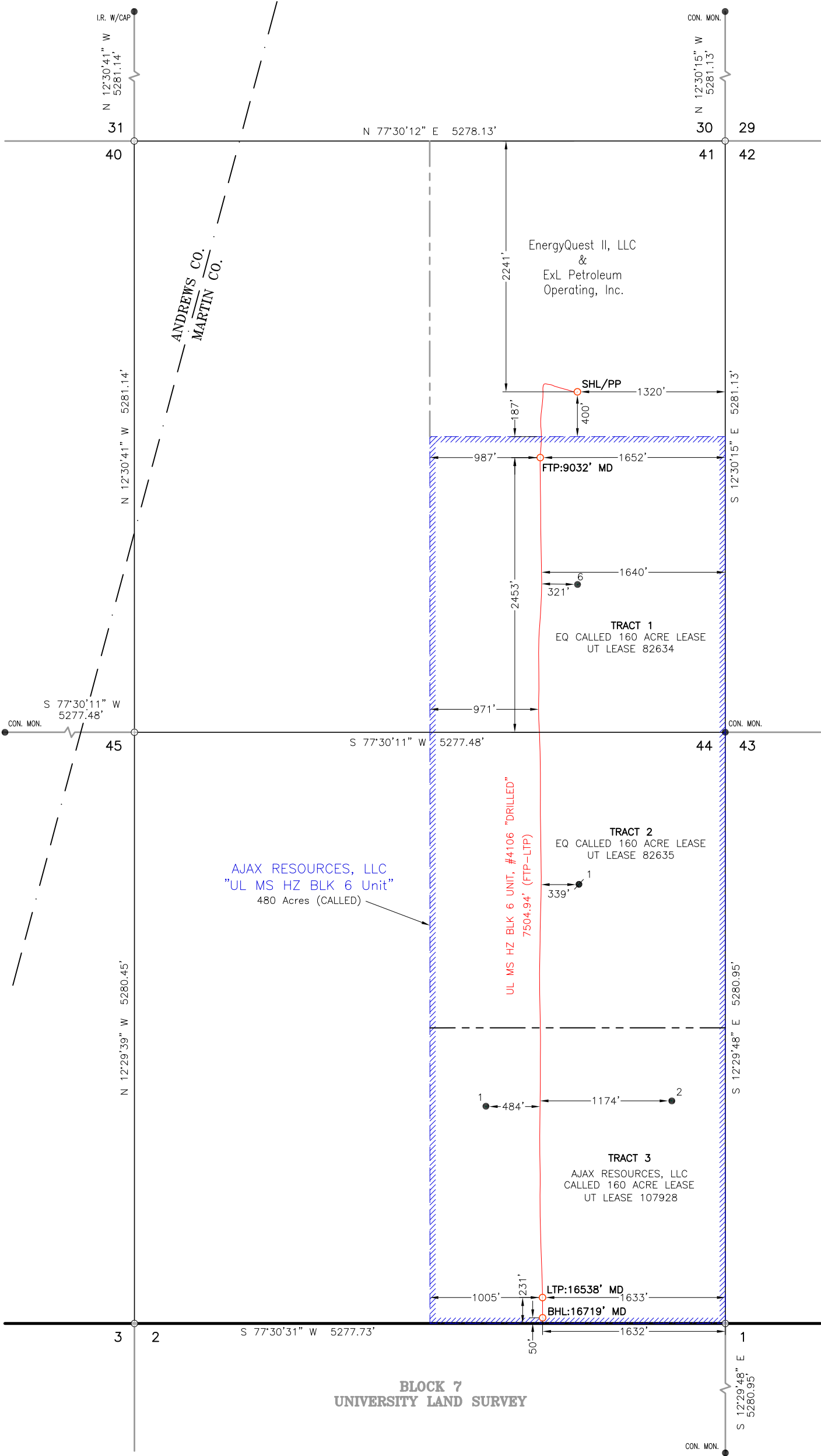
The interval from the land surface to a depth of 350 feet must be protected.

This recommendation is applicable for all wells drilled in this Section 41 in this County.

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 12/21/2016. 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



SPECIAL NOTES:

Original Document Size: 11"x17"
All Coordinates are in NAD 27
TX-NC Zone unless otherwise noted.

**Surface Hole Location/
Penetration Point:**
2241' FNL & 1320' FEL (SEC. 41)
SHL Ground Elevation: 2903'
X = 551083 Y = 322673
LAT.: N 32.4645173 LONG.: W 102.1993369
NAD 83 TX-NC ZONE
X = 827654 Y = 6872066
LAT.: N 32.4646217 LONG.: W 102.1997705

First Take Point Location:
2453' FSL & 1652' FEL (SEC. 41)
X = 550886 Y = 322028
LAT.: N 32.4627219 LONG.: W 102.1998814

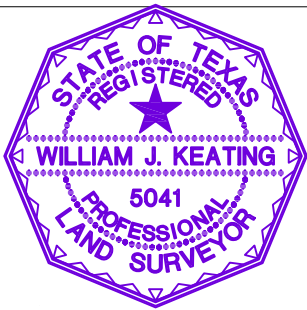
Last Take Point Location:
231' FSL & 1633' FEL (SEC. 44)
X = 552528 Y = 314707
LAT.: N 32.4428187 LONG.: W 102.1935030

Bottom Hole Location:
50' FSL & 1632' FEL (SEC. 44)
X = 552569 Y = 314530
LAT.: N 32.4423397 LONG.: W 102.1933461

- LEGEND
- Section Line
 - Block Line
 - Abstract Line
 - Tract Line
 - Lease Road
 - County Road
 - Unit/Lease Boundary
 - Found Monument
 - Set 1/2" Rebar w/cap
 - Calculated Corner

Scale: 1"=1000'	Surveyed: 11/12/16
COGO: 762-113024	
Revision: ()	/ /
Drawn By:	MR; 05/25/2017
ORIGINAL DOC. SIZE: 11"x17"	

CERTIFICATION:
This well location shown on this permit plat was surveyed under my direct supervision. All As-Drilled information provided by client. This plat is for Texas Railroad Commission permit purpose only and should not be considered a boundary survey.



Texas Reg. No. 5041

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM
Texas FIRM Registration NO. 10042500

AD_UL_MS_HZ_BLK_6_UNIT_4106

AJAX RESOURCES, LLC

LEASE NAME & WELL NO.:
UL MS HZ BLK 6 UNIT, #4106 "AS-DRILLED"
TOPOGRAPHY & VEGETATION:
NATURAL MESQUITE PASTURE
NEAREST TOWN IN COUNTY:
±17.1 MILES NORTHWEST OF TARZAN, TEXAS
LOCATION DESCRIPTION:
SHL/PP/FTP: SECTION 41, BLOCK 6, UNIVERSITY LAND SURVEY
LTP/BHL: SECTION 44, BLOCK 6, UNIVERSITY LAND SURVEY
MARTIN COUNTY, TEXAS