

ILLINOIS STATE GEOLOGICAL SURVEY

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ELECTRIC LOG TOPS from Company

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Golconda	2454	2517
Barlow	2562	2569
Cypress Upper	2583	2594
Cypress Middle, show of oil	2638	2696
Bethel, show of oil	2742	2748
Renault	2779	2843
Aux Vases	2846	2859
Ste Genevieve	2888	

Total Depth: 3025

Plugged Back Total Depth: 2453

Date Drilling Began: 11/12/2017

Casing 8 5/8" - 93' , cemented with 180 sacks
 4 1/2" - 2453' , cemented with 410 sacks

DST #1 (Cypress Middle) 2653' - 2675'. Tool open 30 minutes. closed 30 minutes. Open 60 minutes, closed 60 minutes. Recovered 135' salt water with a show of oil on top. ISIP 443.00#. FSIP 436.00#. IHP 1348.00#. FHP 1273.00#. IFP 34.00# -46.00#. FFP 47.00# - 94.00#.

Perforated: 2320' - 2330', shots not reported

Acidized: 2320' - 2330', 500 gal 15% MCA

Completed as a water input well, injecting 150 bbls. of water per day at 150 psi into the Tar Springs (2320'-2330').

Drill Stem Test Report filed.

Photo Density Compensated Neutron Microlog GR filed.

Array Induction Gamma Ray Log filed.

Permit Date: 10/19/2017 **Permit #:** 65360 **Reference #:** 217235

COMPANY Quantum XL LLC

FARM Lovellette

NO. 2

DATE DRILLED April 15, 2018

COUNTY NO. 29043

AUTHORITY Company

ELEVATION 400' GL - Permit

LOCATION 338'N line, 334'W line of NW SW

COUNTY Wabash

API# 1218529043 00

23-2S-14W

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GET FILE	Density Log
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Permit Date: 10/19/2017 **Permit #:** 65360 **Reference #:** 217235

COMPANY	Quantum XL LLC	
FARM	Lovellette	NO. 2
DATE DRILLED	April 15, 2018	COUNTY NO. 29043
AUTHORITY	Company	
ELEVATION	400' GL - Permit	
LOCATION	338'N line, 334'W line of NW SW	
COUNTY	Wabash	API# 1218529043 00 23-2S-14W

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Scanned Documents

Permit Date:	3/21/2018	Permit #:	204601	Reference #:	217235
COMPANY	Quantum XL LLC				
FARM	Lovellette			NO.	2-WI
DATE DRILLED				COUNTY NO.	29043
AUTHORITY					
ELEVATION	400' GL - Permit				
LOCATION	338'N line, 334'W line of NW SW				
COUNTY	Wabash	API#	1218529043 01		23-2S-14W