

ILLINOIS STATE GEOLOGICAL SURVEY

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ELECTRIC LOG TOPS from Company

	<u>Top</u>	<u>Bottom</u>
Curlew, show of oil	516	566
Pennsylvanian, show of oil from 620' - 642' and 682' - 717'	620	
Kinkaid Upper	1380	1402
Kinkaid Lower	1490	1521
Palestine, show of oil	1678	1702
Menard	1722	1798
Menard Lower	1802	1810
Vienna	1860	1867
Tar Springs Middle, show of oil from 1896' - 1905 and 1908' - 1912'	1896	
Glen Dean Upper	1994	2006
Glen Dean Lower	2024	2040
Golconda	2136	2208
Barlow	2260	2264
Cypress Middle, good show of oil	2302	2312
Paint Creek	2394	2400
Paint Creek Lower	2400	2420
Benoist, slight show of oil from 2420' - 2427'; oil stain from 2438' - 2465'; show of oil from 2495' - 2524'	2420	
Renault Upper	2541	2569
Renault Lower	2598	2628
Aux Vases, good show of oil	2628	2645
Ohara	2699	2712
Rosiclare, good show of oil	2726	2740
Salem Lower, slight fluorescence	3748	3774
Total Depth:		3999

Date Drilling Began: 10/9/2015

Casing 8 5/8" - 182' , cemented with 235 sacks
5 1/2" - 3998' , cemented with 635 sacks

Permit Date: 8/7/2015 **Permit #:** 64679 **Reference #:** 216758

COMPANY	Countrymark Energy Resources, LLC	
FARM	Koval	NO. 5
DATE DRILLED	November 20, 2015	COUNTY NO. 25781
AUTHORITY	Company	
ELEVATION	361' GL - Permit	
LOCATION	339'N line, 336'W line of NE SW	
COUNTY	Gallatin	API# 1205925781 00 4-8S-8E

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Perforated:	2630' - 2644',	shots not reported
	2728' - 2738',	40 shots
	3750' - 3760',	40 shots
Acidized:	2630' - 2644',	750 gallons 15% MCA
	2728' - 2738',	500 gallons 15% MCA with paraffin inhibitor; 500 gallons 15% MCA
	3750' - 3760',	2,000 gallons 20% MCA
Fractured:	2630' - 2644',	14,000 gallons 20# X-link pad with 24,000 lbs. 20/40 sand and 6,500 lbs. 12/20 sand
	2728' - 2738',	14,000 gallons 20# X-link pad with 28,500 lbs. 20/40 sand and 6,500 lbs. 12/20 sand

I.P. 40 bbls. of oil, from the Rosiclare (2728'-2738'), Warsaw (3750'-3760'), Aux Vases (2630'-2644')

Array Induction Gamma Ray Log filed.

Photo Density Compensated Neutron Microlog GR filed.

Gamma Ray Caliper Log filed.

Geologist's Report filed.

Array Induction Photo Density Comp Neutron Log filed.

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GET FILE	Cased Hole Log
GET FILE	Density Log
GET FILE	Induction Electric Log
GET FILE	Induction Electric Log
GET FILE	Scanned Documents

Permit Date: 8/7/2015 **Permit #:** 64679 **Reference #:** 216758

COMPANY	Countrymark Energy Resources, LLC	
FARM	Koval	NO. 5
DATE DRILLED	November 20, 2015	COUNTY NO. 25781
AUTHORITY	Company	
ELEVATION	361' GL - Permit	
LOCATION	339'N line, 336'W line of NE SW	
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Permit Date:	10/19/2023	Permit #:	204872	Reference #:	216758
COMPANY	Countrymark Energy Resources, LLC				
FARM	Koval	NO.	5-W		
DATE DRILLED		COUNTY NO.	25781		
AUTHORITY					
ELEVATION	361' GL - Permit				
LOCATION	339'N line, 336'W line of NE SW				
COUNTY	Gallatin	API#	1205925781 01	4-8S-8E	