



Operator Name: John O. Farmer, Inc. Lease Name: Waugh "A" Well #: 1  
 Sec. 7 Twp. 15 S. R. 12  East  West County: Wabaunsee

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction Log, Compensated Density Neutron Log, Micro Resistivity Log</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Mississippi</td> <td>2316'</td> <td>(-989)</td> </tr> <tr> <td>Kinderhook</td> <td>2656'</td> <td>(-1329)</td> </tr> <tr> <td>Hunton</td> <td>2794'</td> <td>(-1467)</td> </tr> <tr> <td>Maquoketa</td> <td>2834'</td> <td>(-1507)</td> </tr> <tr> <td>Viola</td> <td>2900'</td> <td>(-1573)</td> </tr> <tr> <td>Simpson Dolomite</td> <td>3006'</td> <td>(-1679)</td> </tr> <tr> <td>Simpson Sand</td> <td>3023'</td> <td>(-1696)</td> </tr> </table>	Name	Top	Datum	Mississippi	2316'	(-989)	Kinderhook	2656'	(-1329)	Hunton	2794'	(-1467)	Maquoketa	2834'	(-1507)	Viola	2900'	(-1573)	Simpson Dolomite	3006'	(-1679)	Simpson Sand	3023'	(-1696)
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	23#	318'	Class A	185	3% C.C., 2% gel
Production	7-7/8"	5-1/2"	15.5# & 14#	3143'	Thick Set	125	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	2900-15' (Viola)	500 gals. 10% NE	

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>3113'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>3-27-12</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>3.50</u>	Gas Mcf _____ Water Bbls. <u>44.50</u> Gas-Oil Ratio _____ Gravity <u>20</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>2900-15' (Viola)</u>
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