

# WELLSITE GEOLOGIST'S REPORT

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CONSULTANT GEOLOGIST



Scale 1:240 (5"=100') Imperial

Well Name: <b>SCHOWALTER #8-12</b> Location: <b>SE NW SE SEC. 12-18S-32W</b> Licence Number: <b>API: 15-171-21253</b> Spud Date: <b>June 17, 2019</b> Surface Coordinates: <b>985' FSL &amp; 940' FEL</b>	Region: <b>Scott Co., KS</b> Drilling Completed: <b>June 26, 2019</b>	
Bottom Hole Coordinates: Ground Elevation (ft): <b>2962'</b> K.B. Elevation (ft): <b>2972'</b> Logged Interval (ft): <b>3800'</b> To: <b>RTD</b> Total Depth (ft): <b>4650'</b> Formation: <b>Mississippi</b> Type of Drilling Fluid: <b>Chemical Premix (Displaced)</b>		

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### OPERATOR:

Company: **Shakespeare Oil Co., Inc.**  
 Address: **202 West Main Street  
 Salem, IL 62881**

### DRILLING CONTRACTOR:

**Southwind Drilling Co., Rig #8**

DP 4.5" XH (16.6#); DC 6-1/4" x 2-3/8", 469.05'; Kelly 40.00', Tool Joint 5.5" ; Bit: 7-7/8", JZ QX23, 3/14; rpm 80, WOB 35k; Kelly Bushing 10' above ground level; Doug Roberts (tool pusher).

### CASING:

Ran 6 joints of new 23#, 8 5/8" casing, Tally @ 253', Set @ 265'

Set 4-1/2" production casing.

### CIRCULATION SYSTEM:

Continental EMSCO D-375, duplex, 6 x 14, 57 spm, 314 gpm, Chemical, premix, earth pits, MudCo/Service Mud, Inc., Reid Atkins.

### GAS DETECTION SYSTEM:

Delphin 3.0 volt catalytic bead combustible gas detector, Portable Hot-Wire, USB-1208LS, Module-41.

### DRILL STEM TESTS:

Trilobite Testing, Inc., Scott City, KS, Mike Roberts.

### OPEN HOLE LOGS:

DN, DI (SP), ML, No Sonic; 5" detail LTD-3600; 2" DI to surface casing; Weatherford Wireline Services, Liberal, KS, LTD 4649', 1' short to rotary total depth.

