



Scale: 5" / 100'
Measured Depth Log

Well Name Balzer C5
Location 1650' FNL & 1750'FWL, E/2 NW SE NW 35 -T23S - R2E
State Kansas **County** Harvey
Country USA **Rig Number** Gulick Drilling Rig 1
API Number 15-079-20707-00-00
Region Midcon **Field** Annelly
Spud Date 9/16/2014 **Drilling Completed** 9/18/2014
Bottom Hole Coordinates Vertical Test
Ground Elevation 1397' GL **K.B. Elevation** 1405'
Logged Interval 2700 **To** RTD **Total Depth** 3010'
Formation Mississippian
Type of Drilling Fluid Chemical

Operator

Company W.D. Short Oil Co. LLC
Address 102 South River Rd
P.O.Box 729
Oxford, Kansas 67119-8801

Geologist

Name Daniel T. Johnson
Company Consulting Geologist/ Gas Detection System
Address 19749 121st Rd
Winfield, Kansas 67156
620-229-3258
daniel.johnson3258@gmail.com

Other

5 1/2" production casing was set to further test the Mississippian Ls.

Pioneer Energy Services: CNL/CDL,MEL/BHCS,DIL,Fracfinder
Deviation surveys:538' 1/2deg

1044' 1/2deg
1549' 3/4deg
2021' 3/4deg

9/15/2014:Moved In,drilled 215'of 12 1/4",set 203' of 8 5/8" w/120 sks



9/16: Drilled beneath surface casing 8:00am



9/17: 1150'Drilling



9/18: 2868'Drilling, reached 3010'RTD at 4:00pm,short trip,trip out for log,logs out about 5:00am,

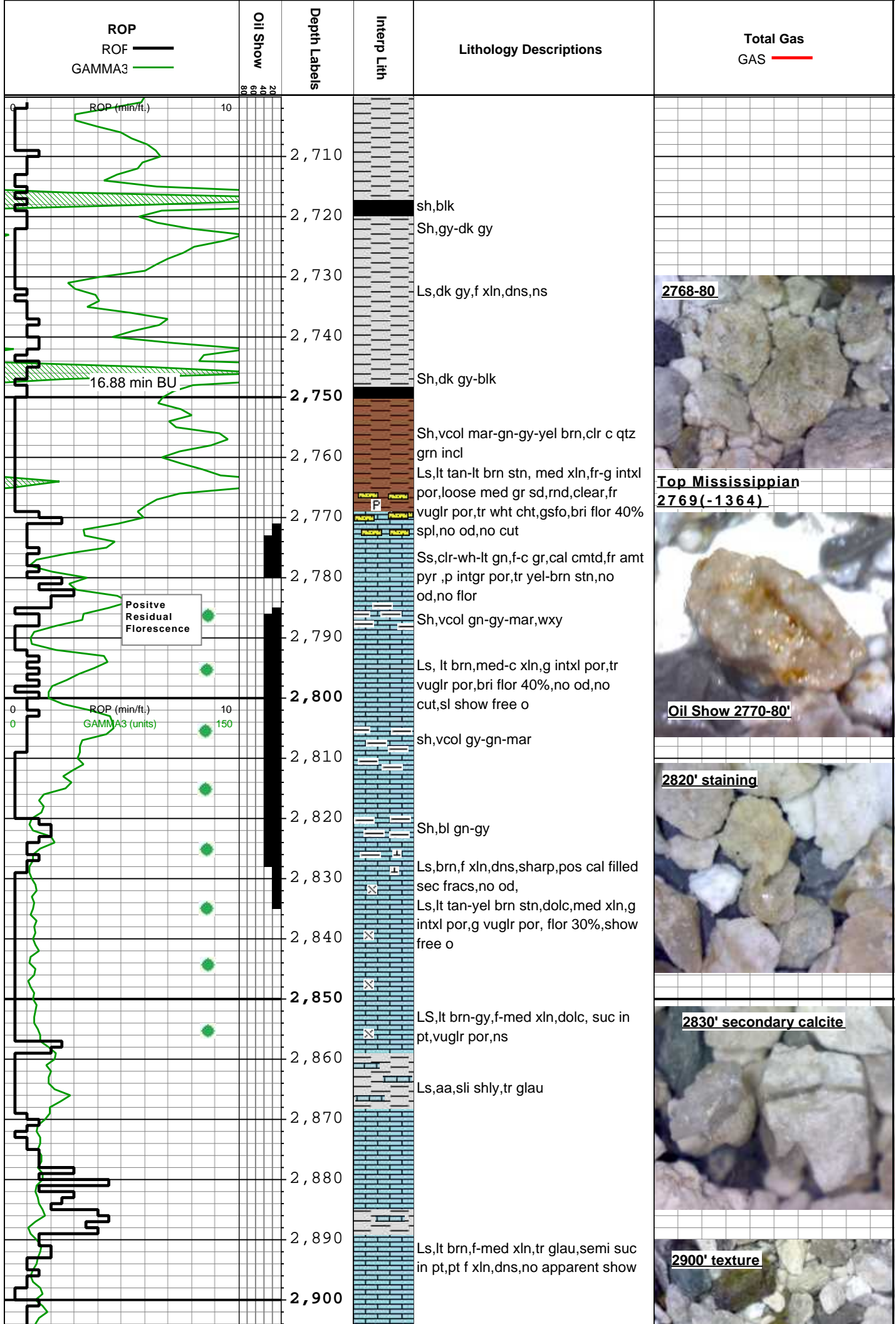
9/19: 3010'Running in w/ 5 1/2"production casing, set casing at 3004'KB depth w/100sks

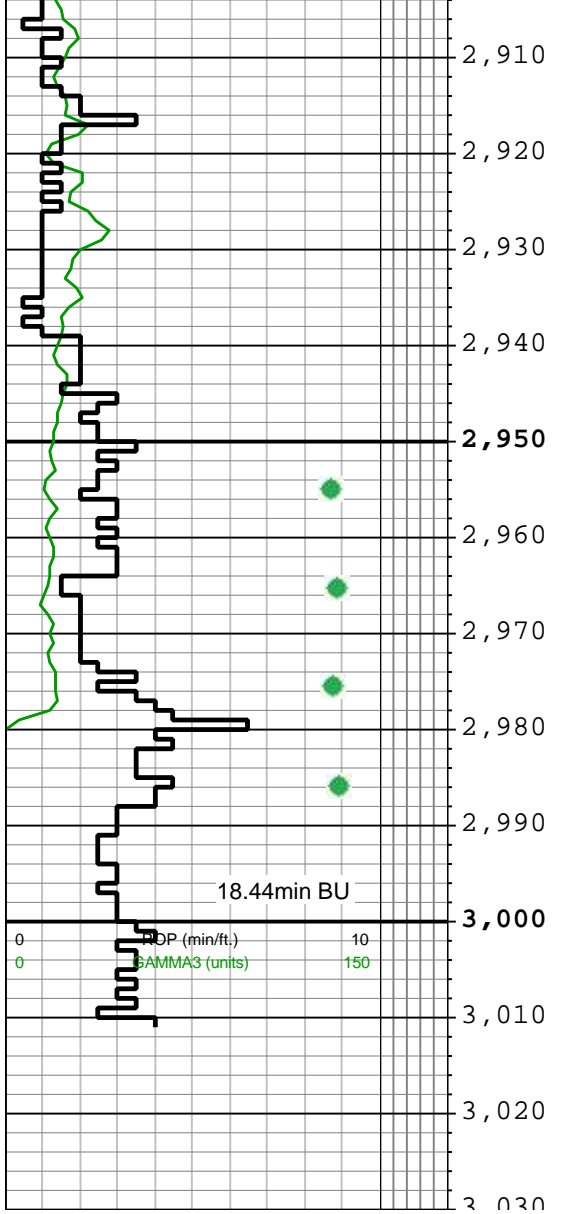
Rock Types

 LIMESTONE
 CHERT

 COAL
 SHALE GRAY

 SHALE COLORED
 SANDSTONE





Ls,lt tan,med xln,fr intxl por,ns

Ls,lt tan-lt gy,f xln,p-fr intxl por

LS,lt brn-brn,f-med xln,cht,wh-lt gy,fos frag frmwk,no wthrg,ns

Ls,med brn,stand in pt,med xln,fr-g intxl por,dolc in pt,no od,bri flor 30%,rainbow show free o

E-Log Depth 3004(-1599)

Rotary Total Depth 3010(-1605)



2990' textures

GAS (units) 100