



**NABORS**  
**COMPLETION**  
**& PRODUCTION**  
**SERVICES CO.**

**CORRELATION**  
**LOG**

Company **RITCHIE EXPLORATION, INC.**  
Well **#4 JOSEPH**  
Field **ANTELOPE RIDGE**  
County **GOVE**  
State **KANSAS** Country **USA**

Location: **1200 FWL & 600' FEL**  
AP # : **15-063-22185-00-00**  
Other Services **P-MAST**

SEC 30 TWP 13S RGE 31W  
Permanent Datum **GROUND LEVEL** Elevation **2673**  
Log Measured From **KELLY BUSHING & A.G.L.**  
Drilling Measured From **KELLY BUSHING**  
Elevation **K.B. 2681**  
**D.F. 2679**  
**G.L. 2673**

Run Number **ONE**  
Date **3-25-14**  
Depth Driller **4670**  
Depth Logger **4566**  
Bottom Logger **4566**  
Top Log Interval **3500**  
Open Hole Size **7.875**  
Casing Size **WATERS**  
Depth / Assembly **WATERS**  
Max. Recorded Temp. **WATERS**  
Estimated Cement Top **WATERS**  
Time Well Ready **WATERS**  
Time Logger on Bottom **WATERS**  
Equipment Number **837**  
Location **HAYS, KANSAS**  
Recorded By **THOMASCON**  
Witnessed By **DALTON BRENNING**  
Borehole Record  
Run Number **Bit** **From** **To** **Size** **Weight** **Tubing Record** **From** **To**  
Casing Record **Size** **Weight** **Top** **Bottom**  
Surface String **8-5/8"** **0** **222**  
Production String **5-1/2"** **0** **222**  
Liner

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU FOR USING NABORS COMPLETION & PRODUCTION SERVICES  
DIRECTIONS  
OAKLEY, KS. 11 SOUTH TO GOVE RD. - EAST - 4 SOUTH - WEST & SOUTH INTO

