

# **WELL FILE**

**BEREXCO, LLC.  
KEVIN #1-9  
N2NESW SECTION 9 1S-36W  
RAWLINS COUNTY, KANSAS**

**GEOLOGIST  
WILLIAM B. BYNOG**

## RESUME

OPERATOR: BEREXCO, LLC.

WELL NAME & NUMBER: KEVIN #1-9

LOCATION: N2NESW SECTION 9 1S-36W

COUNTY: RAWLINS

STATE: KANSAS

SPUD DATE: 2-28-2015 COMPLETION DATE: 3-11-2015

ELEVATIONS: GL: 3171 KB: 3182

CONTRACTOR: BEREDCO RIG 10

LOGS: LOG TECH TYPES: RAG, MICROLOG

WELLSITE ENGINEER: NONE

MUD COMPANY: MORGAN MUD

MUD TYPE & ENGINEER: FRESH CHEMICAL

GEOLOGIST: WILLIAM B. BYNOG

HOLE SIZE: 7 7/8

MUD LOGGING BY: NONE

DRILL STEM TEST COMPANY: TRILOBITE

DRILL STEM TEST: DST#1 3996-4050, DST#2 4065-4165,  
DST#3 4150-4220, DST#4 4200-4360,  
DST#5 4495-4600

WELL STATUS: P & A

## DISCUSSION

Kevin #1-9 1S-36W was drilled a total depth of 4600 feet testing the Lansing Kansas City in Rawlins County, Kansas. This well was drilled with the help of seismic data and well control.

Structurally, Kevin #1-9 came in 23 feet low to the prognosis and low to productive wells in the area.

As a result of running low there were either tight zones with fair shows or wet zones with fair porosity development.

The Oread was the first quality live oil show, tested on drill stem test #1 only recovering mud or water. The Lansing A zone had poor shows and tested 15 feet of mud. The B zone was associated with a good drilling break and good sample shows. Drill stem test # 3 on the B zone recovered only 5 feet of oil cut mud with very low pressures. The C, D and E zones all had oil shows and were tested together on drill stem test #4 recovering 60 feet of oil spotted mud. The Pawnee was associated with a good drilling break but no shows. Drill stem test #5 was a straddle test after logs on the Pawnee that recovered 290 feet of watery mud or muddy water.

Logs agreed with sample evaluation recording fair porosity development but low resistive, porous zones indicating water or depleted reservoirs.

A decision was made to plug and abandon based on the poor drill stem test recoveries and log calculations.

KEVIN #1-9 SAMPLE DESCRIPTIONS

3650-3706 SHALE red,firm,silty

FORAKER

3706-20 LIMESTONE white,buff,hard,very sandy,poor porosity,no shows

3720-40 LIMESTONE pale gray,very hard,dense,blocky,shalywith thin SHALE gray,red,firm,silty

3740-52 LIMESTONE white,firm,chalky,sandy,poor vis porosity,no shows

3752-62 LIMESTONE pale gray,buff,very hard,dense,fossils,no shows

3762-3800 Shale red,green,soft,very argillaceous with thin LIMESTONE gray,very hard,dense,sandy,poor porosity,no shows

3800-3914 SHALE red,green,argillaceous with thin LIMESTONE pale gray,buff,hard,slightly fossils,dense,poor porosity,no shows

TOPEKA

3914-60 LIMESTONE buff,pale yell,very hard,dense,crptoxln, some Chert white with thin SHALE red,very soft,very argillaceous

3960-76 SANDSTONE red,friable,very fine grained,dirty,clay filled,poor porosity,no shows

3976-4036 SHALE red,soft,very argillaceous with thin LIMESTONE buff,hard,dense,blocky,no shows

## KEVIN #1-9 SAMPLE DESCRIPTIONS

### OREAD

4036-4046 GRAINSTONE white, firm, oolites, chalky in part, fair intergranular porosity, spotty live brown stain, very good cut, good show free oil

4046-60 LIMESTONE white, firm, very chalky, poor vis porosity, no shows

4060-80 LIMESTONE buff, pale gray, very hard, dense, crptoxln, abundant Chert white, orange, pyrite

4080-4107 SHALE gray, gray black, slightly hard, britt, slightly carbonaceous, with thin LIMESTONE brown, very hard, very dense, blocky, no shows

4107-11 SANDSTONE pale green, firm, very fine grained, clay filled, siliceous, poor porosity, no shows

4111-32 SHALE red, very soft, very argillaceous

### LANSING A

4132-36 GRAINSTONE off white, firm, oolitic, poor to fair intergranular porosity, spotty to even live brown stain, good cut, fair show free oil

4136-52 LIMESTONE buff, very hard, very dense, cprtoxln, no shows

4150-60 SHALE as above with thin SANDSTONE pale green, friable, very fine grained, clay filled, poor intrgr porosity, trace very rare black stain, faint cut, no free oil

## KEVIN #1-9 SAMPLE DESCRIPTIONS

4160-88 SHALE red,soft,argillaceous silty in part

### B ZONE

4188-92 LIMESTONE off white,firm,oolitic,clean,fair intergranular and vuggy porosity,spotty live brown stain,good cut,fair show free oil

4200-4200 LIMESTONE buff,very hard,crptoxln,poor porosity,very spotty poor pinpoint vuggy porosity,live brown stain,fair cut,poor show free oil

4200-44 SHALE red,green,firm,silty with thin LIMESTONE light gray,very ,hard,dense,crptoxln,no shows

### C ZONE

4244-55 LIMESTONE white,buff,firm,slightly fossils,chalky in part,poor pinpoint vuggy porosity,spotty faint brown stain,poor faint cut,no free oil

4255-64 LIMESTONE buff,very hard,dense,crptoxln,no shows

4264-87 SHALE red,green,firm,fissile

### D ZONE

4387-90 LIMESTONE pale gray,firm,fossils,slightly chalky,poor intergranular porosity,spotty live brown stain,fair cut,poor show free oil

4290-98 LIMESTONE white,buff,hard,bllky,dense,abundant chalky poor porosity,no shows

## KEVIN #1-9 SAMPLE DESCRIPTIONS

4298-4334 SHALE as above becoming very soft,very argillaceous

### E ZONE

4334-37 LIMESTONE white,firm,chalky,poor pinpoint porosity,spotty live brown stain,fair cut,no free oil

4338-45 LIMESTONE buff,hard,dense,crptoxln,poor porosity,no shows

4345-78 SHALE green,red,firm,fissile, some very sandy

### F ZONE

4378-90 LIMESTONE white,buff,hard,dense,poor porosity,no shows some rare poor pinpoint vuggy porosity,rare black dead stain

4390-496 SHALE as above

4396-4430 LIMESTONE buff,very hard,dense,blocky,crptoxln,no shows with thin SHALE as above

4430-50 SHALE as above with thin LIMESTONE as above

4450-89 SHALE red,green,soft,very argillaceous with thin LIMESTONE buff,very hard,dense,no shows

4488-4500 LIMESTONE buff,pale gray,very hard,dense,slightly argillaceous,crptoxln,no shows

## KEVIN #1-9 SAMPLE DESCRIPTIONS

4500-22 SHALE as above,some gray,firm fissile

PAWNEE

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4522-34 LIMESTONE off white,firm,oolitic,slightly chalky,poor to fair intergranular and pinpoint vuggy porosity,no shows

4534-38 LIMESTONE buff,very hs,dense,blocky,no shows

4538-50 SHALE green,soft,very argillaceous

4550-72 SHALE red,green,gray,firm,fissile

4572-4600 LIMESTONE pale gray,very hard,dense,blocky,crptoxln,no shows with thin SHALE as above some black,dark gray

RTD 4600'

LTD 4599'