

**Berexco, LLC**  
**Moser #4-32**  
**S2S2S2 Section 32 1S-36W**  
**Rawlins County, Kansas**

**GEOLOGIST**  
**William B. Bynog**

## RESUME

OPERATOR: Berexco, LLC

WELL NAME & NUMBER: Moser #4-32

LOCATION: S2S2S2 Section 32 1S-36W

COUNTY: Rawlins

STATE: Kansas

SPUD DATE: 10-21-2014 COMPLETION DATE: 11-3-2014

ELEVATIONS: GL: 3243 KB: 3254

CONTRACTOR: Beredco Drilling Rig 10

LOGS: PIONEER TYPES: Rag, Micro log

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 3940-3989, DST#2 4140-4240,  
DST#3 4220-4300, DST#4 4292-4350,  
DST#5 4330-4420

WELL STATUS: Ran 5 ½ Production Casing

Moser #4-32 Sample Description  
BEREDCO DRILLING RIG 10 DRILLING 7 7/8 HOLE

3500-3720 SHALE red,firm,very silty

3720-36 LIMESTONE pale gray,firm,very sandy in part,chalky in part,some Chert tan,orange,poor porosity,no shows

3736-68 SHALE as above

FORAKER

3768-3800 LIMESTONE buff to pale gray,hard, sandy in part,dense, some chalky in part,trace Chert tan,orange,poor porosity,no shows with thin bedded SHALE as above

3800-20 LIMESTONE buff,hard,blocky,chalky in part,poor porosity,no shows some Chert orange

3820-44 SHALE green,red,very soft,very argillaceous

3844-70 LIMESTONE buff,slightly hard,very oolitic,dense matrix,chalky in part,poor porosity,no shows

3870-92 SHALE as above

3992-3900 LIMESTONE white to buff,firm, chalky,oolitic,sandy in part,poor porosity,no shows

3900-18 SHALE green,red,some gray,firm,fissile,waxy in part

## Moser #4-32 Sample Description

3918-66 LIMESTONE white,firm,chalky,slightly oolitic,sandy in part,poor vis porosity,no shows with thin SHALE as above

3966-72 GRAINSTONE white,firm,very oolitic,chalky in part,fair intergranular porosity,spotty live heavy black stain,very good cut,poor show free oil

3972-84 SHALE red,green,soft,argillaceous, waxy in part

TOPEKA

3984-4014 LIMESTONE buff,very hard,dense, crptoxln,no shows

4014-30 LIMESTONE buff,very hard,very dense, blocky,chalky in part,no shows,abundant Chert white,pale orange

4030-46 SANDSTONE pale orange,friable, very fine grained,argillaceous,fair intergranular porosity,no shows

4050-56 SHALE red,firm,very silty

4056-66 LIMESTONE buff,hard,dense, blocky,crptoxln

4066 to SHALE red,maroon,some green,firm,silty

OREAD

4112-20 LIMESTONE buff,hard,dense,slightly chalky,poor porosity,no shows

## Moser #4-32 Sample Description

4122-35 LIMESTONE white,firm,chalky, microcrystalline,poor vis porosity,no shows

4135-40 LIMESTONE buff to pale gray,hard,dense, poor porosity,no shows

4160-90 SHALE gray,dark gray,firm,fissile in part,slightly carbonaceous

4190-4204 SHALE red,very soft,very argillaceous

LANSING A

4204-22 LIMESTONE white,firm,clean, granular to microcrystalline,fair oomoldic and crystalline porosity,spotty to even live brown stain,good cut,poor show free oil

4222-30 LIMESTONE buff to pale gray,very hard,dense,blocky,crptoxln,no shows

4230-40 SANDSTONE white,firm,clean,very fine grained, dense calcareous cement,poor porosity,no shows

4240-66 SHALE as above silty in part

B

4266-76 GRAINSTONE white, firm,slightly chalky,very fossils,fair intergranular and moldic porosity,spotty to even live black stain,very good cut,good show free oil

4276-4300 LIMESTONE white to buff,hard,dense, blocky,poor porosity,no shows with thin

Moser #4-32 Sample Description

SHALE red,green,waxy in part

4300-22 SHALE red,soft,argillaceous,silty in part

C

4322-28 GRAINSTONE white, firm,granular,oolitic,poor to fair intergranular porosity,spotty live stain,fair cut,no free oil

4328-40 LIMESTONE buff,hard,blocky, dense,no shows

4340-50 SHALE gray green,green,firm,waxy in part abundant pyrite

4350-64 SHALE red,soft,very argillaceous

D

4364-88 LIMESTONE buff,hard,dense, blocky,no vis porosity,no shows

4388-4406 SHALE as above

E

4406-13 LIMESTONE buff,firm,chalky in part,slightly fossils,poor pinpoint porosity,very spotty light brown stain,good cut,nfo

4413-18 LIMESTONE white to buff,hard, chalky in part,poor pinpoint porosity,very faint stain,fair cut,nfo

## Moser #4-32 Sample Description

4418-40 SHALE green,red,firm,waxy in part

F

4440-60 LIMESTONE buff,very hard,dense, blocky,slightly fossils,no vis porosity,no shows

4460-4500 LIMESTONE buff,very hard,very dense, blocky,chalky in part,abundant Chert pale orange to white with thin SHALE red, firm,chalky,argillaceous

4500-24 SHALE red,soft,very argillaceous with thin LIMESTONE pale gray,very hard,dense, argillaceous

4524-32 SANDSTONE white,firm,very fine grained,dense, calcareous cement,poor porosity,no shows

4532-74 SHALE rounded,firm,very silty grading to SANDSTONE off white,firm,very fine grained, argillaceous,poor porosity,no shows

4574-80 LIMESTONE pale gray,very hard, dense,sandy,poor porosity,no shows

4580-96 Shale red,gray,green,some brown,firm,fissile

PAWNEE

4596-4620 LIMESTONE buff,very hard,dense,sandy in part,poor porosity,no shows

4620-30 SHALE green,pale gray,firm, sandy in part,waxy in part

## Moser #4-32 Sample Description

4630-56 LIMESTONE pale gray,very hard,dense,blocky,sandy in part,abundant CHERT pale orange to white

4656-62 SHALE black,dark gray,green,firm,fissile,slightly carbonaceous

4662-80 LIMESTONE white,buff,firm,sub chalky,fossils,poor micxn porosity,no shows

RTD 4680'

LTD 4680'