

BEREXCO, LLC.
MOSER # 3-9
NWSWN SECTION 9 1S-36W
RAWLINS COUNTY, KANSAS

GEOLOGIST
WILLIAM B. BYNOG

RESUME

OPERATOR: BEREXCO, LLC.

WELL NAME & NUMBER: MOSER # 3-9

LOCATION: NWSWNW SECTION 9 1S-36W

COUNTY: RAWLINS

STATE: KANSAS

SPUD DATE: 6-23-2013 COMPLETION DATE: 7-8-2012

ELEVATIONS: GL: 3087' KB:3098 '

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 3896-3942, DST #2 3955-4065.
DST #3 4050-4110, DST #4 4100-4210
MISRUN, DST #5 4100-4210, DST #6
4196-4251, DST #7 4395-4450

WELL STATUS: RAN 4 ½ PRODUCTION CASING

Moser # 3-9 Sample Descriptions

ANHYDRITE 3014(+84) S 3018(+80) L

BASE 3050(+48) S 3052(to 46) L

3500-3605 SHALE red,firm,silty

FORAKER

3605-3645 LIMESTONE white,firm,chalky,sandy in part,poor porosity,no shows

3645-3750 SHALE red,green,gray,soft,argillaceous, silty in part

3750-3800 LIMESTONE buff,hard,fossils,chalky in part,poor vis porosity,no shows with thin SHALE as above

3800-40 SHALE red,soft,argillaceous with thin LIMESTONE buff,pale yell,very hard, slightly fossils,poor porosity,no shows

3840-56 LIMESTONE buff,pale yell,very hs,dense,no shows

3856-76 SHALE red,very soft,very argillaceous,sandy in part

3976-3900 LIMESTONE white,firm,sandy,chalky in part,poor porosity,no shows

Moser # 3-9 Sample Descriptions

3900-33 SHALE green,firm,argillaceous,slightly sandy with thin LIMESTONE buff,hard,fossils, chalky,poor vuggy porosity,spotty black thick tar stain,good milky cut

OREAD

3933-40 GRAINSTONE white, firm,very oolitic,fair to good intg porosity,spotty to even live brown stain,very good milky cut,very good show free oil and odor

3940-80 LIMESTONE buff,very hard,very dense, blocky,no shows

3980-90 SHALE black,dark gray,firm, carbonaceous

3990-95 SANDSTONE white, friable,very fine grained,well sorted,clay fled,poor porosity,no shows

3996-4032 SHALE red,soft,very argillaceous

LANSING A

4032-36 LIMESTONE buff,hard,chalky in part, poor pinpoint vuggy porosity,spotty live brown stain,fair cut,trace free oil

4036-52 LIMESTONE buff,very hard,very dense, blocky,no shows

4052-56 SANDSTONE white, friable,very fine grained,well sorted, fair intgranular porosity,spotty to even live black stain,very good milky cut,good show free oil

Moser # 3-9 Sample Descriptions

4056-78 SHALE as above

B

4078-98 GRAINSTONE white, firm, very oolitic, poor-fair intgranular porosity, spotty to even live brown stain, very good milky cut, good show free oil

4098-4104 LIMESTONE buff, very hard, dense, poor porosity, no shows

4104-10 SHALE green, black, firm, fissile, carbonaceous

4410-41 SHALE red, soft, argillaceous

C

4141-54 GRAINSTONE white, firm, oolitic, chalky in part, poor to fair intgranular porosity, spotty live brown stain, good milky cut, poor show free oil

4254-64 LIMESTONE pale gray, hard, dense, blocky, rare poor pinpoint porosity with live brown stain, poor cut

4164-88 Shale red, very soft, very argillaceous

D

4188-94 GRAINSTONE white, firm, very oolitic, poor-fair intgranular porosity, spotty to even live brown stain, very good milky cut, poor show free oil

Moser # 3-9 Sample Descriptions

-
4994-4206 LIMESTONE pale gray,very hard,dense,poor porosity,no shows

4106-10 LIMESTONE white,hard,dense,poor porosity,trace black dead stain

4210-30 SHALE red,firm,argillaceous

E

4230-34 GRAINSTONE white,slightly hard,oolitic,chalky,poor intgranular porosity, spotty live brown stain,good milky cut,fair show free oil

4234-36 LIMESTONE buff,very hard,dense,no shows

4236-44 GRAINSTONE as above,firm,very chalky,poor to fair intg porosity,spotty live brown stain,good milky cut,poor show free oil

4244-56 LIMESTONE as above hard,dense,no shows

4256-72 SHALE red,firm,silty

F

4272-92 LIMESTONE white,pale gray,very hard,dense,poor porosity,no shows

Moser # 3-9 Sample Descriptions

4292-4310 SHALE red,very soft,very argillaceous

4306-18 GRAINSTONE white,firm, chalky,oolitic,poor intg porosity,very spotty live brown stain,poor faint cut,no free oil

4318-32 LIMESTONE buff,very hard,blocky, dense,no shows

4332-78 SHALE red,soft,argillaceous with thin LIMESTONE as above dense,no shows

4378-4400 LIMESTONE white,slightly hard,chalky,poor porosity,no shows

PAWNEE

4400-20 SHALE pale green,gray,soft,sandy in part,argillaceous

4420-32 LIMESTONE white,firm,very chalky, slightly oolitic,poor intg and pinpoint vuggy porosity,very spotty live brown stain,poor slow milky cut,no free oil

4432-44 LIMESTONE buff,very hard,dense,no shows

4432-80 SHALE gray,green,black,firm,fissile, slightly carbonaceous with interbed LIMESTONE as above

4480-90 SHALE black,dark gray,firm,fissile, carbonaceous

Moser # 3-9 Sample Descriptions

4490-4530 LIMESTONE buff,very hard,dense,blocky, no shows with thin SHALE as above

4530-40 LIMESTONE as above becoming very sandy in part, dense,no shows

4540-70 SHALE red,green,gray firm,silty in part with thin SANDSTONE translucent,hard,mg,wsrtd,sileous,poor porosity,no shows

4570-4590 SANDSTONE trnl,hard,fg,blocky, dense,fair intg porosity,no shows with thin SHALE as above

4590-4640 SHALE red,green,maroon, yell,firm,fissile with thin LIMESTONE as above dense,no shows

4642-50 SANDSTONE white,firm,very fine grained,wsrtd, clay fled,poor porosity,no shows

4650-92 SANDSTONE white,translucent,friable,fine to m grain,psrtd,fair to good intg porosity,no shows with thin SHALE as above

4692-4704 CHERT white,yell,very hard,blocky, very dense,fresh

MISSISSIPPIAN

4704-20 DOLOMITE white,firm,micsuc texture,fair intxln porosity,no shows some CHERT white

4720-25 DOLOMITE white,slightly hard,micxln,cherty,poor porosity,no shows abundant Chert white,very hard,blocky,fresh

Moser # 3-9 Sample Descriptions

4725-50 DOLOMITE white,firm,micsuc, fair intxln porosity,no shows abundant CHERT white,as above

RTD 4750'

LTD 4748'