

WELL FILE

**BEREXCO, LLC.
BENSON 9
NWSWNE SW SECTION 15 9S-21W
GRAHAM COUNTY, KANSAS**

**GEOLOGIST
WILLIAM B. BYNOG**

RESUME

OPERATOR: BEREXCO, INC.

WELL NAME & NUMBER: BENSON 9

LOCATION: NWSW NESW SECTION 15 9S-21W

COUNTY: GRAHAM

STATE: KANSAS

SPUD DATE: 9-2-2010 COMPLETION DATE: 9-10-2010

ELEVATIONS: GL: 2236' KB: 2247'

CONTRACTOR: BEREDCO RIG 10

LOGS: PERFORATORS TYPES: RAG & MICROLOG & DENSITY

WELLSITE ENGINEER: NONE

MUD COMPANY: ANDY'S

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 3408-40, DST#2 3587-3628, DST#3 3643-85, DST#4 3691-95

WELL STATUS: SET PRODUCTION PIPE

BEREDCO RIG 10 DRILLING BENSON 9.txt
7 7/8 HOLE

THE ENTIRE MUDLOG SHOULD BE SHIFTED DOWNHOLE 32' DUE TO A DEPTH CORRECTION FROM A PIPE STRAP AT 3440'. THE SAMPLE TOPS ARE CORRECT BASED ON THE ORIGINAL HOLE DEPTH. THE LOG TOPS ARE FOR THE CORRECTED T.D.

BENSON 9 SAMPLE DESCRIPTIONS

3000-20 SHALE gray,green,soft,very argillaceous

3020-55 LIMESTONE buff,hard,slightly fossils, dense,some fnly microcrystalline,porosity

3055-3110 LIMESTONE buff,hard,fossils,dense / interbedded SHALE gray,green,argillaceous

3110-45 SHALE as above

3145-65 LIMESTONE buff,tan,very hard,dense,crptoxln / thin SHALE as above

3165-85 SHALE as above

3185-3210 LIMESTONE buff,very hard,dense,

3210-25 LIMESTONE white,firm,very chalky,no shows

3225-40 SHALE gray green,soft,very argillaceous

3240-60 LIMESTONE buff,very hard,dense, abundant Chert white,an

3260-75 SHALE as above

3275-90 LIMESTONE as above

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3290-3310 SHALE red,green,soft,very argillaceous

3310-20 LIMESTONE buff,tan,very hard,dense,chalky

3320-30 LIMESTONE buff,firm,chalky, fossils,pr to fair poor to poor vuggy porosity,
spotty brown stain,good cut,pr show free oil

3330-40 SHALE as above

3340-50 LIMESTONE white,buff,firm to slightly hard,chalky,poor porosity,no shows

3450-70 SHALE green,black,gray,firm, fissile,slightly carbonaceous

3370-3400 SHALE red,gummy,very argillaceous/ some black,firm,very carbonaceous

3400-10 LIMESTONE white,very hard,dense, abundant Chert white,gray

3410-23 SHALE gray,green,red,firm,argillaceous

3423-32 LIMESTONE white,buff,firm,crystalline, microsuc,fair to good crystalline and
vuggy porosity, even to spotty brown stain,very good cut and odor,good show free oil

3432-40 LIMESTONE white,soft,very chalky,no shows

3440-80 SHALE red,green,soft,argillaceous / thin LIMESTONE buff,vhd,dense

3480-90 LIMESTONE white,firm,fossils, chalky,pr poor to poor vuggy porosity,very
spotty rare brown stain,fair cut / thin SHALE as above

3590-3500 LIMESTONE white,soft,very chalky,no shows

3500-10 LIMESTONE buff,pale gray,very hard,dense,crptoxln,no shows

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3510-25 SHALE gray,green,soft,argillaceous some black,carbonaceous

3525- 35 LIMESTONE buff,tan,very hard,very dense,crptoxln

3535-45 SHALE green,gray,hard,blocky

3545-55 LIMESTONE buff,very hard,dense,

3555-60 LIMESTONE white,firm,fossils,very chalky,pr vuggy porosity,trace dead black stain

3560-70 LIMESTONE as above dense

3570-75 SHALE as above

3575-92 LIMESTONE white,buff,very hard,dense,crptoxln,some very chalky,pr porosity,no shows

3592-3605 LIMESTONE white,firm,very oolites, microsuc texture,pr to fair crystalline and vuggy porosity,spotty to even brown stain,very good cut and odor,fair show free oil

3605-10 LIMESTONE white,buff,very hard,dense

3610-35 SHALE red,very soft,very argillaceous

3635-70 LIMESTONE buff,very hard,dense / thin SHALE as above / trace Chert yell

3670-80 SHALE bright ble,firm,waxy

3680-90 DOLOMITE buff,slightly hard,micro sucrosic,fair to good interxln and vuggy porosity,even brown stain,very good cut and odor,very good show free oil

3690-92 DOLOMITE buff,very hard,dense,no shows

3692-95 DOLOMITE buff,firm,sucrosic crse crystalline texture,very good crystalline porosity,even brown stain,very good cut and odor,very good show free oil

3795-3720 DOLOMITE buff,hard,microcrystalline,fair crystalline porosity,spotty brown stain,good cut,fair show free oilbnt Chert white,tan

3720-30 DOLOMITE buff,very hard,very dense,no shows/ abundant Chert as above,no shows

3730-40 DOLOMITE buff,firm,microsuc, good crystalline and vuggy porosity,even to spotty stain, very good cut,good show free oil

3740-55 DOLOMITE buff,hard,microcrystalline,fair crystalline porosity,spotty stain,good cut,fair show free oil

3755-60 DOLOMITE buff,very hard,very dense,no shows,abundant Chert as above

3760-80 DOLOMITE buff,hard,microcrystalline,fair crystalline porosity,very spotty stain,fair cut,no free oil

3780-90 DOLOMITE buff,very hard,dense,no shows

3790-3810 DOLOMITE buff,hard,microcrystalline, fair crystalline porosity,very spotty dead stain,fair cut, no free oil

3810-20 DOLOMITE buff,very hard,dense,no shows

3820-45 DOLOMITE buff,microcrystalline, fair crystalline porosity,very spotty dead stain

RTD 3845

LTD 3877

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LOG DEPTH 32' DEEPER THAN RIG DUE TO A 32' PIPE STRAP CORRECTION at 3440', SLIDE
MUDLOG DOWNHOLE 32' TO MATCH OPEN HOLE LOGS.