TIM PRIEST
Petroleum Geologist
(620) 223-2182

GEOLOGY REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR	TIM PRIEST PETROLEUM GEOLOGIST		
LEASE	SALA 3	WELL	1
LOCATION	1750' FNL 1750' FEL		
SEC.	19	TWP.	20S
RGE.	24E	COUNTY	Miami
STATE	Kansas		
API #	15-121-29997-00-00		
SPUD	8/8/2011	COMP.	8/8/2011
TOTAL DEPTH	4700'	ROTARY TOOLS	0'-4700'
CABLE TOOLS	NONE		
ELEVATION	1000' GL	1005' KB	
CASING RECORD	8 5/8" @ 20.00'		
DRILLING TIME START TIME	2:00P. on 8/8		
DRILLING TIME START FINISH	2:00P. on 8/8		
GEOLOGICAL SUPERVISION	FROM 2000' TO TD		
GEOLOGICAL SUPERVISION	FROM 2000' TO TD		
FORMATION TOPS	ELECTRICAL LOG	DATA	
Anhydrite	ELECTRICAL LOG	NO	
Base Anhydrite	ELECTRICAL LOG	NO	
Topeka	ELECTRICAL LOG	NO	
Lansing	ELECTRICAL LOG	NO	
Muncie Creek	ELECTRICAL LOG	NO	
Stark Shale	ELECTRICAL LOG	NO	
Base Kansas City	ELECTRICAL LOG	NO	
Marmaton	ELECTRICAL LOG	NO	
Pawnee	ELECTRICAL LOG	NO	
Fort Scott	ELECTRICAL LOG	NO	
Cherokee Shale	ELECTRICAL LOG	NO	
Johnson Zone	ELECTRICAL LOG	NO	
Mississippian	ELECTRICAL LOG	NO	
Total Depth	ELECTRICAL LOG	NO	

REMARKS: Due to the positive results of DST#1, it was decided to set production casing to further test the well.

Respectfully Submitted,

Tim Priest
Petroleum Geologist

DRY HOLE CTD 20080 20030

LEGEND

LIMESTONE | DOLOMITE | SANDSTONE | SHALE | CHERT | OOLITE | BRECCIA | COAL | SALT

DRILLING TIME IN
MINUTES PER FOOT
Max Penetration 30

DEPTH (5 1.0 5 10 15 20 30)

SAMPLE DESCRIPTION | REMARKS

2500

Anhydrite
2320'(-1320)

Base Anhydrite
2374'(-1374)

La con-tan, fr. sd, foss, drse

2550

La con-tan, fr. sd, sub. p-f int
sil-sd ppo pod, NS

Sh gry-dk gry

La c-m-f gry, fr. sd, foss, drse

2600

La cmn, fr. sd, foss-sd, chky, f
int sil-sd ppo pod, NS

La cmn, fr. sd, foss-sd, chky, f
int sil-sd ppo pod, NS

La c-m-f gry, fr. sd, sub f int
sil-sd ppo pod, NS

Sh gry

La con-tan, fr. sd, foss, drse

Topeka
3650'(-2650)

2650

Sh blk, carb
La cmn-tan, sfr. sd, drse

Sh gry-gryish, carb

La cmn, fr. sd, foss, sp chky, sl
chky, p int sil ppo, NS

La cmn, sfr. sd, chky, drse

Sh gry-dk gry

La c-m-f gry, fr. sd, foss, p int
sil & sd ppo pod, spd sud dk
gry, SPO, sd sdst, dull fluor

La c-m-f gry, fr. sd, foss, chky,
sl chky, p int sil ppo pod, NS

Sh gry

La cmn-tan, fr. sd, foss, p int
sil & sd ppo pod, NS

Lansing
3690'(-2690)

DST # 1:
3700'-3730'
Open 30 min
Weak blow
Rec. 5 feet of mud
IFP 20-20
FFP 20-20
ISIP 1147
FSIP 1147
Temp. 100 F

2700

La c-m-f gry, sfr. sd, foss, sp
chky, p int sil ppo, NS

La c-m-f gry, fr. sd, sub f int
sil-sd ppo pod, NS

La c-m-f gry, sfr. sd, chky, p
int sil-sd ppo pod, NS

La c-m-f gry, fr. sd, sil foss,
chky, drse

La cmn-tan, sfr. sd, drse

La c-m-f gry, fr. sd, foss, p int
sil-sd ppo pod, NS

Sh gry-blk

La c-m-f gry, fr. sd, sil foss, sp
chky, drse

La cmn, fr. sd, foss, chky, p int
sil-sd ppo pod, SPO, f
stning oil, sd sdst, dull f fluor

La c-m-f gry, sfr. sd, chky, drse

Sh blk, carb

La cmn-tan, sfr. sd, drse

La c-m-f gry, fr. sd, foss, chky,
p int sil-sd ppo pod, NS

La c-m-f gry, sfr. sd, chky, drse

Muncie Creek
4040'(-3040)

DST # 2:
4050'-4080'
Open 30 min
Weak blow
Rec. 5 feet of mud
IFP 20-20
FFP 20-20
ISIP 1147
FSIP 1147
Temp. 100 F

2800

La c-m-f gry, fr. sd, foss, p int
sil, NS

La cmn-tan, sfr. sd, drse

La c-m-f gry, fr. sd, foss, chky,
p int sil-sd ppo pod, SPO, f
stning oil, sd sdst, dull f fluor

La c-m-f gry, sfr. sd, drse

Sh gry-blk

La c-m-f gry, fr. sd, foss, sl
chky, drse

La cmn, fr. sd, foss, chky, p int
sil-sd ppo pod, SPO, f
stning oil, sd sdst, dull f fluor

La c-m-f gry, sfr. sd, chky, drse

Stark Shale
4100'(-3100)

DST # 3:
4100'-4130'
Open 30 min
Weak blow
Rec. 5 feet of mud
IFP 20-20
FFP 20-20
ISIP 1147
FSIP 1147
Temp. 100 F

Sh blk, carb

La tan-brn, sfr. sd, drse

La c-m-f gry, fr. sd, foss, chky,
p int sil-sd ppo pod, SPO, f
stning oil, sd sdst, dull f fluor

La c-m-f gry, sfr. sd, chky, drse

Sh blk, carb

La c-m-f gry, sfr. sd, chky, drse

Sh gry-gry

La c-m-f gry, fr. sd, foss, chky,
p int sil-sd ppo pod, SPO, f
stning oil, sd sdst, dull f fluor

La tan-gry, sfr. sd, drse

La cmn-tan, fr. sd, chky, sp sl
chky, drse

La tn-gry, fr. sd, foss, chky, f int
sil-sd ppo, NS

Sh gry, carb

Sh-sd gry

Base Kansas City
4400'(-3400)

2900

La cmn-tan, sfr. sd, chky, drse

Sh gry-gry

La cmn, sfr. sd, foss, drse

Sh gry-gry

La cmn-tan, sfr. sd, foss, chky,
drse

La cmn-tan, fr. sd, foss-sd, chky,
p int sil-sd ppo pod, SPO, f
stning oil, sd sdst, dull f fluor

Sh gry-dk gry

Sh blk, carb

La cmn-tan, sfr. sd, drse

Marmaton
4480'(-3480)

DST # 4:
4500'-4530'
Open 30 min
Weak blow
Rec. 5 feet of mud
IFP 20-20
FFP 20-20
ISIP 1147
FSIP 1147
Temp. 100 F

3000

La cmn-tan, fr. sd, foss, chky,
drse

Sh gry-gryish

La cmn-tan, sfr. sd, foss, drse

La cmn-tan, fr. sd, foss-sd, chky,
p int sil-sd ppo pod, SPO, f
stning oil, sd sdst, dull f fluor

Sh gry-dk gry

Sh blk, carb

La cmn-tan, sfr. sd, drse

Pawnee
4580'(-3580)

DST # 5:
4590'-4620'
Open 30 min
Weak blow
Rec. 5 feet of mud
IFP 20-20
FFP 20-20
ISIP 1147
FSIP 1147
Temp. 100 F

La cmn-tan, sfr. sd, foss, chky,
drse

Sh blk, carb

La cmn-tan, mic sd, drse

Sh gry-gry

La cmn-tan, sfr. sd, foss,
chky, drse

Sh blk, carb

La cmn-tan-gry, mic sd, foss,
drse

Sh gry-dk gry

La tan-gry, mic sd, drse

Fort Scott
4640'(-3640)

3100

Sh blk, carb

La tan-gry-mottd, mic sd, drse

Sh gry-gryish

La cmn-tan, sfr. sd, chky,
drse

Sh blk, carb

Sh blk, carb, wnnt bed Lo gry
sd, drse

La cmn-tan, sfr. sd, drse

La tan-gry-mottd, sfr. foss, p int
sil-sd ppo pod, SPO, f stning
oil, sd sdst, dull f fluor

Lsquartz cmn-tn gry, sub foss,
tsty, f int sil, poor, NS

Sh gry-blk

Cherokee Shale
4750'(-3750)

DST # 6:
4760'-4790'
Open 30 min
Weak blow
Rec. 5 feet of mud
IFP 20-20
FFP 20-20
ISIP 1147
FSIP 1147
Temp. 100 F

Sh-sdst-sft, fr-mod grn, fsd,
sub-rnd-rnd frabdd, fsd, wnnt
carb bd, ...

Johnson Zone
4810'(-3810)

La cmn-gry, sfr. sd, sandy,
drse

3200

La c-m-f gry-gry, sfr. sd, chky,
drse, wgy/yshl Sh

La c-m-f gry, sfr. sd, sandy, sl
chky, drse

La c-m-f gry, sfr. sd, sandy, sl
chky, drse

La c-m-f gry, sfr. sd, sl dolo,
chky, drse

La c-m-f gry, mic sd, chky,
drse

Mississippian
4920'(-3920)

Total Depth
4930' (-3930)