

LITHOLOGY STRIP LOG

WellSight Systems Log

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Drelling Trust #1
 Location: S/2-NE-NE-NE/4 Section 26 T13S-R17
 License Number: API: 15-051-26587-00-00
 Spud Date: Oct. 17, 2013
 Surface Coordinates: 345' FNL & 330' FEL Section 20 T13S-R17W
 Region: Ells County, KS
 Drilling Completed: Oct. 23, 2013
 Bottom Hole Coordinates: API #15-051-26587-00-00
 Ground Elevation (ft): 2037' K.B. Elevation (ft): 2045'
 Logged Interval (ft): 2950 To: TD Total Depth (ft): 3700' RTD
 Formation: Topeka to Arbuckle
 Type of Drilling Fluid: Chemical Displaced at 2850'
 Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Drelling Oil, Inc.
 Address: 1008 Cody Ave.
 P.O. Box 550
 Hays, KS 67601

GEOLOGIST

Name: Roger L. Fisher
 Company: 2610 W. Rio Vista St.
 Address: Wichita Kansas, 67204

COMMENTS

Surface Casing: 222' of 8 5/8"
 Production Casing: 3700' of 5 1/2"
 Deviation Surveys: degree at
 Discovery Rig #1
 Mud System: Mud Co
 DSTs: Trilobite Testing Inc.
 OH Logs: ELI Wireline; DILL, CDL/CNL, Micro, Sonic

5.5" Casing was set to further test the Arbuckle Zones.

ROCK TYPES

Anhy	Congl	Lmst	Black sh
Bent	Sdy dolo	Mlmt	Gry sh
Brec	Shy dolo	Salt	Shale
Cht	Dol	Shalt	Shlystst
Clyst	Gyp	Siltst	Slysh
Coal	Sdy lmst	Ss	

ACCESSORIES

Fuss	Salt	Grysh
Oomoldic	Sandy	Gryslt
Anhy	Silt	Lms
Arg	Chlorite	Sandylms
Bent	Dol	Siltstn
Bit	Sand	
Brecfrag	Sity	
Calc	STRINGER	
Carb	Anhy	
Chtdk	Arg	
Chttd	Bent	
Dol	Coal	
Ferrpel	Dol	
Ferrpel	Gyp	
Gyp	Ls	
Marl	Mrst	
Nodule	Siltstrg	
Pyr	Ssstrg	
	Carbsh	
	Clystn	
	Dol	

Algae	Fossil	Grysh
Amph	MINERAL	Gryslt
Belm	Anhy	Lms
Bioclst	Arg	Sandylms
Brach	Bent	Siltstn
Bryozoa	Bit	
Cephal	Brecfrag	
Coral	Calc	
Crin	Carb	
Echin	Chtdk	
Fish	Chttd	
Foram	Dol	
Fossil	Ferrpel	
Gastro	Gyp	
Oolite	Marl	
Ostra	Nodule	
Pelec	Pyr	
Pellet		
Pisolite		
Plant		
Strom		

Boundst	Grysh
Cryxln	Gryslt
Earthy	Lms
Finexln	Sandylms
Grainst	Siltstn
Lithogr	
Microxln	
Mudst	
Packst	
Wackest	

Curve Track 1	TG, C1-C5
ROP (min/ft)	TG (units)
Gamma (API)	C1 (units)
	C2 (units)
	C3 (units)
	C4 (units)
	C5 (units)

ROP (min/ft)	Gamma (API)	Depth	Lithology	Geological Descriptions	TG, C1-C5
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2950
 Ls gray ftn dense No Vis Porosity N.S.
 Shale gray sandy calc
 Shale gray silty sandy
 Shale gray silty

3000
 Ls white vln chelky N.S.
Topeka 3068 (-1023)
 Ls light brown fbn sil foss N.S.
 Ls white ftn chelky N.S.
 Ls gray vln dense N.S.

3050
 Ls off white ftn subchalky Fair Int ool porosity N.S.
 Ls gray vln sil foss sub chalky to dense cherty N.S.
 Ls off white ftn foss dense N.S.
 Ls light tan light gray ftn sil foss dense Poor porosity N.S.

3100
 Ls gray ftn foss mottled subchalky soft friable N.S.
 Ls light tan ftn oolitic subchalky N.S.
 Shale Black
 Shale gray green

3150
 Ls light tan ftn sil foss subchalky N.S.
 Ls gray vln dense sil cherty N.S.
 Ls white vln chelky N.S.
 Ls gray vln dense sil foss N.S.

3200
 Ls gray ftn chelky to dense sil mottled N.S.
 Shale Black
 Ls tan vln dense cherty sil foss N.S.
 Shale light green gray
 Ls light gray ftn foss dense No Vis por N.S.

3250
 Ls off white vln chelky sil foss No Vis Por NFO Slight Spotted Stain On Edge No Odor
 Ls white ftn oolitic chelky N.S.
 Ls gray vln dense N.S.

3300
 Ls white oolitic ftn chelky scattered Fair Int ool porosity Dead Oil Residue Slight Spotted Stain on Edge No Odor
 Ls white vln oolitic chelky N.S.
 Ls gray vln dense N.S.

3350
 ----- Hb Shale 3312 (-1267)
 Ls dark tan vln dense sil foss N.S.
 Shale gray green

3400
 ----- Toronto 3336 (-1291)
 Ls light tan ftn foss Poor Int xln porosity N.S.
 Shale gray green brown

3450
 ----- Lansing 3358 (-1313)
 Ls white ftn oolitic subchalky to dense Sil cherty No Vis Porosity Rare spotted Stain on edge NFO or Odor
 Ls gray ftn foss mealy N.S.
 Shale gray

3500
 Ls white ftn oolitic chelky to vln dense Poor Spotted Stain V SSFO No Odor mostly barren
 Ls white ftn foss chelky Spotted Stain To Saturated SSFO few wugs Poor pin point Porosity Very Faint Odor
 Ls white ftn foss Poor pin point porosity Spotted to Saturated Stain SSFO Faint Odor

3550
 Ls white ftn oolitic few wugs Fair pin point Porosity Fair Spotted Stain FSFO Very Faint Odor
 Ls white ftn oolitic Spotted Stain S SFO Slight Odor
 Ls light gray white vln subchalky to dense slightly cherty No Vis Porosity N.S.
 Ls tan vln dense N.S.

3600
 Shale Black
 Shale gray green
 Ls light gray ftn vln dense poor pin point Porosity Spotted Stain V SSFO Very Faint Odor
 Shale gray

3650
 Ls light tan ftn foss poor pin point porosity Fair Spotted Stain to Saturated few wugs Slight Odor FS SFO
 Ls white ftn oolitic Saturated Stain Slight Odor Fair Int ool Porosity V SSFO
 Ls light gray ftn oolitic chelky No Vis porosity N.S.
 Shale Black gray green

3700
 Ls off white vln dense sil cherty N.S.
 Ls tan vln dense No Vis Por N.S.
 Ls gray vln dense N.S.
 Shale gray green red

3750
 ----- Arb 3603 (-1558)
 Dol tan granular sacroic cherty Poor Int xln porosity Spotted to Saturated Stain V SSFO Faint Odor
 Dol tan sacroic ftn Gd SFO Gd Odor Sat Stain Fair Int Xln Por
 Dol white light gray sacroic cherty Spotted to Sat Stain FSFO Fair Odor Poor pin point Por

3800
 Dol light tan granular to Midn Fair Pin point Por Friable Sat Stain FSFO Fair Odor
 Dol White sacroic cherty Fair spotted Stain Poor pin Porosity SSFO Fair Odor Chert white gray clear
 Dol White sacroic cherty spotted to Sat Stain Fair Pin Point Por sil Vug Gd SFO Fair Odor
 Dol Light tan ftn cherty white gray dense No vis Por N.S.
 Dol light gray sacroic cherty dense poor porosity slight spotted stain NFO
 Dol light tan ftn cherty dense N.S.
 Dol light tan ftn cherty dense N.S.

DST #1
 3367-3444
 30-45-45-60
 IF 2.5"
 FF 1.75"
 No BB
 50' Oil spotted Mud 100% Mud w/ cell spots

SIP 480-467
 IF 15-30
 FF 31-37

DST #2
 3474-3545
 30-30-30-30
 Rec 20' Mud

SIP 407-393
 IF 13-18
 FF 18-22

DST #3
 3579-3616
 30-45-45-60
 IF 4.75"
 ISI Weak BB
 FF 0"
 FSI Weak Surface
 BB

Rec
 45' Free Oil 26 Gravity
 30' OCM
 40% Oil
 80% Mud

SIP 690-900
 IF 14-29
 FF 34-41