



Woolsey Operating Company, LLC

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

Well Name: CUNNINGHAM #6

API: 15-007-24233-00-00

Location: Section 10 - Township 32 South - Range 12 West

License Number: Region: Barber County, Kansas

Spud Date: October 21, 2014

Drilling Completed: October 29, 2014

Surface Coordinates: 1850' FSL and 1750' FWL
Apx. NE SW NE SW

Bottom Hole
Coordinates:

Ground Elevation (ft): 1504' K.B. Elevation (ft): 1516'

Logged Interval (ft): 3600' To: TD Total Depth (ft): 4740

Formation: Douglas ----> Simpson Group

Type of Drilling Fluid: Chemical Mud

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Woolsey Operating Company, LLC

Address: 125 N. Market, Suite 1000

Wichita, KS 67202

GEOLOGIST

Name: Joel Gearhart

Company: Woolsey Operating Company, LLC

Address: 125 N. Market, Suite 1000

Wichita, KS 67202

COMMENTS

Surface Casing: Spud at 3:15 pm on 10/21/2014. Ran 7 joints of 13 3/8" X 48#/ft casing to 243' KB, cemented with 300 sx Class A, 2% gel, 3% cc. Plug down 11:15 pm. Cement did circulate.

Production Casing:

Deviation Surveys: 1 at 243', 3/4 at 1010', 1/4 at 1488', 3/4 at 1995', 3/4 at 2501', 3/4 at 3008', 3/4 at 3514', 1/2 at 3988', 3/4 at 4740'

Pipe Strap @

Fossil Drilling Rig #3 Bit Record:

1) 17 1/2" Smith RR, in at 0' out at 243', 3 hours.

2) 7 7/8" Varel HE-21 in at 243' out at 4740', 138.5 hours

Gas Detector: Woolsey Operating Co. Gas Shack #2

Mud System: Chemical Mud, Brad Bortz, Engineer

Company Man: Mike Tharp, Woolsey Operating Co.

E-logs: Nabors Completion and Production Services, Dual Induction Laterolog w/SP, CNL/FDC w/PE, Gamma Ray and Caliper.

DSTs

CREWS

Fossil Rig #3

Jim Wenrich- Tool Pusher
Kirk Shuman- Morning
Daniel Orrantia- Daylight
Ron Burns- Evening
Chris Staats- Relief

ROCK TYPES

	Anhy		Shy dolo		Sltst		Shale 3
	Bent		Dol		Ss		Silty dol
	Brec		Gyp		Black sh		Dol ldst
	Cht		Sdy ldst		Gry sh		Dol 2
	Clyst		Ldst		Shale		Granite wash
	Coal		Mrlst		Shysltst		Ldst
	Congl		Salt		Sltyslh		Calc dol
	Sdy dolo		Shale		Ss 2		Shale 3

ACCESSORIES

MINERAL

	Anhy
	Arg
	Bent
	Bit
	Brecfrag
	Calc
	Carb
	Chtdk
	Chtlt
	Dol
	Ferrpel
	Ferr
	Glau
	Gyp
	Marl
	Nodule
	Phos
	Pyr
	Salt
	Sandy
	Silt

Chlorite

FOSSIL

 Algae
 Amph
 Bival
 Bioclast
 Brach
 Bryozoa
 Cephal
 Coral
 Crin
 Echin
 Fish
 Foram
 Fossil
 Gastro
 Oolite
 Ostra

Pelec

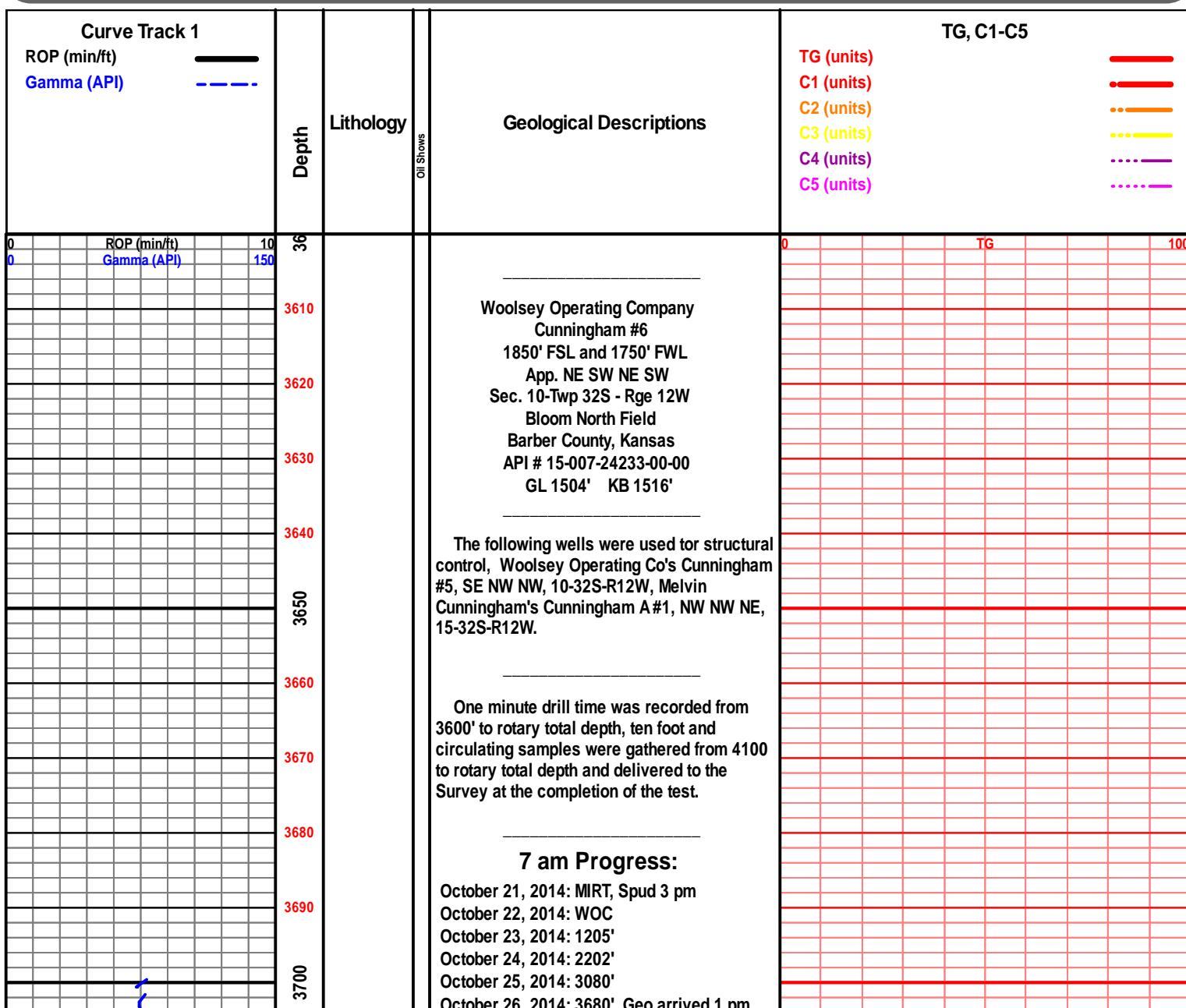
Pellet
Pisolite
Plant
Strom
Fuss
Oomoldic

Grys

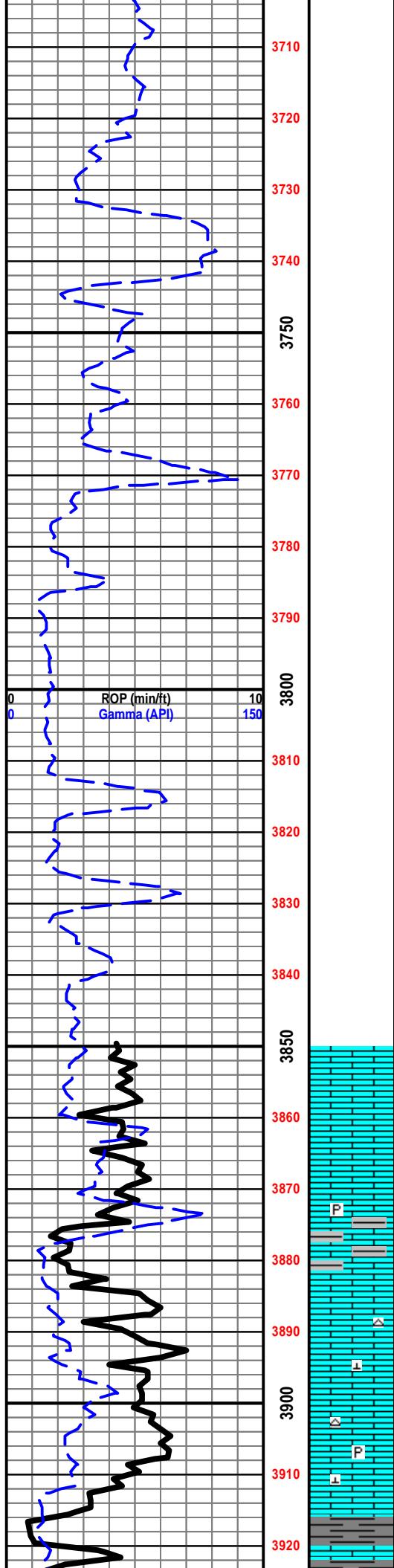
Gryslt
Lms
Sandylms
Sh
Slststn

TEXTURE

	Boundst
	Chalky
	Cryxln
	Earthy
	Finexln
	Grainst
	Lithogr
	Microxln
	Mudst
	Packst
	Wackest



October 26, 2014: 3830', GSC arrived 1 p.m.
October 27, 2014: 4086'
October 28, 2014: 4360'
October 29, 2014: 4659', RTD 5 pm



E-Log Tops:

Herington: 1798 (-282)
Onaga: 2615 (-1099)
Wabaunsee: 2670 (-1154)
Stotler: 2816 (-1300)
Topeka: 3079 (-1563)
LeCompton: 3411 (-1895)
Kanwaka: 3436 (-1920)
Heebner: 3567 (-2051)
Toronto: 3585 (-2069)
Douglas Grp: 3601 (-2085)
Haskell: 3743 (-2227)
Lansing: 3753 (-2237)
Drum: 4047 (-2531)
Dennis: 4082 (-2566)
Stark: 4114 (-2598)
Swope: 4120 (-2604)
Hushpuckney: 4148 (-2632)
Hertha: 4160 (-2644)
B/Kansas City: 4204 (-2688)
Mississippi: 4332 (-2816)
Compton: 4394 (-2878)
Kinderhook: 4456 (-2939)
Woodford: 4527 (-3011)
Viola: 4559 (-3043)
Simpson Group: 4668 (-3152)
Wilcox: 4669 (-3153)
LTD: 4740 (-3224)

