

Thomas J. Funk
Petroleum Geologist

OPERATOR	Murfin Drilling Co., Inc.	Drilling Time and Sample Log	Geologist's Report	Thomas J. Funk
LEASE	Frahm 'A'	WELL NO	#2-20	Petroleum Geologist
FIELD	Towns	API	15-193-20942	
LOCATION	1310' FSL & 1000' FEL	SEC.	20	
COUNTY	Thomas	TWP.	10S	
		STATE	Kansas	

Date	Daily Progress	Bit Regard
11/28/14	Spud	NO Size Make
		Type GTC-1
		Depth 263
		H-ell 263
		Hours 3

Date	Depth	Bit Regard
11/29/14	4830	NO Size Make
		Type GTC-1
		Depth 263
		H-ell 263
		Hours 3

Date	Depth	Bit Regard
11/30/14	3140	2 77/8" HTC
		DP506
		3780
		3517
		34

Date	Depth	Bit Regard
12/1/14	3880	3 77/8" HTC
		GX20c
		4900
		1120
		56

Date	Depth	Bit Regard
12/2/14	4270	
		12/3/14 4370
		12/4/14 4495
		12/5/14 4650
		12/6/14 4737

Date	Depth	Bit Regard
12/7/14	4900 TD	
		KB 3231'
		DF 3220'
		GL Measurements Are All
		From KB

Date	Depth	Bit Regard
12/8/14	4270	
		12/9/14 4370
		12/10/14 4495
		12/11/14 4650
		12/12/14 4737

Date	Depth	Bit Regard
12/13/14	4270	
		12/14/14 4370
		12/15/14 4495
		12/16/14 4650
		12/17/14 4737

Date	Depth	Bit Regard
12/18/14	4270	
		12/19/14 4370
		12/20/14 4495
		12/21/14 4650
		12/22/14 4737

Date	Depth	Bit Regard
12/23/14	4270	
		12/24/14 4370
		12/25/14 4495
		12/26/14 4650
		12/27/14 4737

Date	Depth	Bit Regard
12/28/14	4270	
		12/29/14 4370
		12/30/14 4495
		12/31/14 4650
		1/1/15 4737

Date	Depth	Bit Regard
12/30/14	4270	
		12/31/14 4370
		1/1/15 4495
		1/2/15 4650
		1/3/15 4737

Date	Depth	Bit Regard
12/31/14	4270	
		1/1/15 4370
		1/2/15 4495
		1/3/15 4650
		1/4/15 4737

Date	Depth	Bit Regard
1/1/15	4270	
		1/2/15 4370
		1/3/15 4495
		1/4/15 4650
		1/5/15 4737

Date	Depth	Bit Regard
1/2/15	4270	
		1/3/15 4370
		1/4/15 4495
		1/5/15 4650
		1/6/15 4737

Date	Depth	Bit Regard
1/3/15	4270	
		1/4/15 4370
		1/5/15 4495
		1/6/15 4650
		1/7/15 4737

Date	Depth	Bit Regard
1/4/15	4270	
		1/5/15 4370
		1/6/15 4495
		1/7/15 4650
		1/8/15 4737

Date	Depth	Bit Regard

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