

Andrew White

Petroleum Geologist

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

Well Name: Miller Trust #1-18
Location: 18-16S-19S
License Number: API: 15-165-22077
Spud Date: 06-14-14
Surface Coordinates: 335' FSL, 990' FEL

Bottom Hole
Coordinates:
Ground Elevation (ft): 2113 K.B. Elevation (ft): 2118
Logged Interval (ft): To: Total Depth (ft): 3970 RTD; 3964 LTD
Formation: Arbuckle
Type of Drilling Fluid: Chemical

Region: Rush Co, KS
Drilling Completed: 06-21-14

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

OPERATOR

Company: Murfin Drilling Company, Inc.
Address: 250 N. Water, Suite 300
Wichita, KS 67202

GEOLOGIST

Name: Andrew White
Company: White Exploration Inc.
Address: 1635 N. Waterfront Pkwy, Suite 100
Wichita, KS 67206

Remarks

Due to negative Drill Stem Tests the well was P&A.

General Info

Drilling Contractor: Murfin Drilling Rig 16

Logs: Pioneer
Compensated Density/Neutron, Dual Induction, Micro, Sonic

Drilling Mud: KDT

Surveys: 220'-.25, 3540'-1, 3970'-1.5
No pipe straps during drilling because of extremely windy conditions

Daily Status

6/14/14: MIRT

6/15/14: Drill 460', set 8 5/8" Csg at 217', 150 sx comm 3% cc, 2% gel

6/16/14: Drilling ahead at 2200'

6/17/14: Drilling ahead at 3155'

6/18/14: Running DST#1 at 3540'

6/19/14: Drilling ahead at 3835'

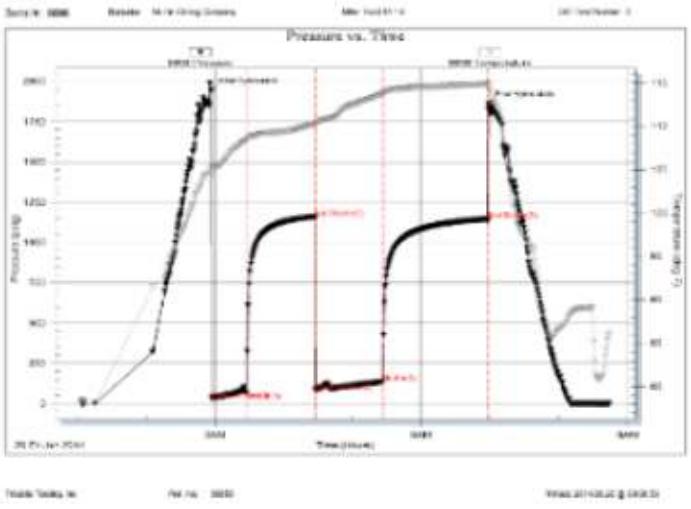
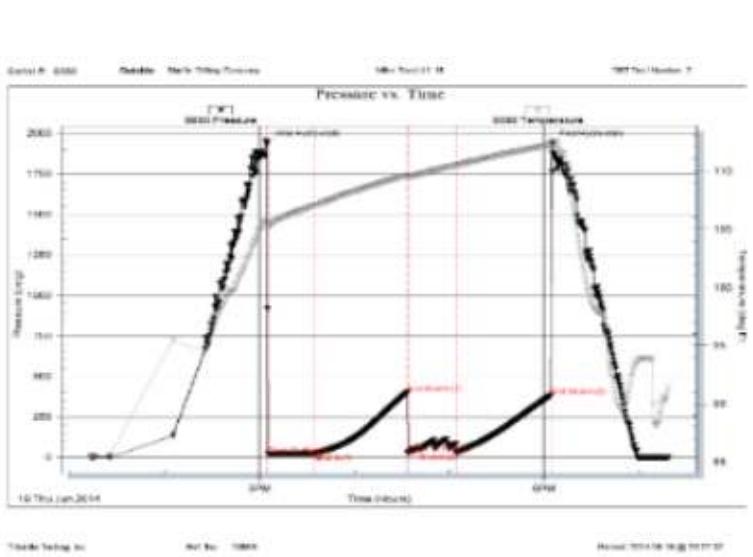
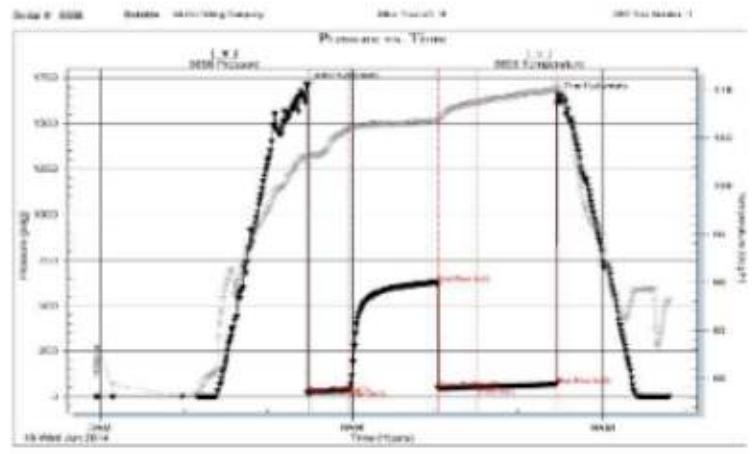
6/20/14: Running DST #3 at 3884'

6/21/14: RTD 3970, LTD 3964, plugged with 60/40Poz, 4% gel, 50 sxs @ 3864', 50 sxs @ 1430', 40 sxs @600', 50 sxs @ 240', 20 sxs @ MH

Murfin Miller Trust #1-18 18-16S-19W 335' FSL, 990' FEL KB: 2118			
	Sample	Log	Datum
Anhydrite	1355	1352	766
Base Anhy	1394	1391	727
Topeka	3158	3146	-1028
Heebner	3434	3426	-1308
Toronto	3449	3444	-1326
Lansing	3474	3470	-1352
Stark	3681	3671	-1553
BKC	3728	3732	-1614
Arbuckle	3864	3866	-1748

Mai Oil #3 Oelkers 19-16S-19W 380' FNL, 330' FEL KB: 2033	
	Relationship
	+1
	+1
	+10
	+2
	+2
	+2
	+8
	-5
	-11

Mai Oil Oelkers #1 19-16S-19W NW-NE-NE KB: 2115	
	Relationship
	-1
	-1
	+5
	+1
	+1
	+2
	+4
	-5
	+16



ROCK TYPES

LITHOLOGY		Dol	Shcol	Arg	Ssstrg
Anhy		Gyp	Shgy	Bent	
Bent		Igne	Sltst	Coal	
Brec		Lmst	Ss	Dol	
Cht		Meta	Till	Gyp	
Clyst		Mrlst		Ls	
Black shale		Salt		Mrst	
Congl		Shale	Anhy	Sltstrg	

STRINGER		
		Anhy

OIL SHOW		
Even		
Spotted		
Ques		
Dead		

