



Operator:
N & W Enterprises, Inc.
Fort Scott, KS 66701

Walsh/Meyer Inj. 32
Crawford County
33-28-22E
API # 15-037-22368-00-00

Spud Date:	10/13/2017	Surface Bit:	9.875"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	20'	Longstring:	429.45'
Surface Cement:	4 sx	Longstring Date:	10/16/2017
Longstring:	2 7/8 EUE		

Driller's Log

Top	Bottom	Formation	Comments
0	3	Soil	
3	10	Clay	
10	12	Lime	
12	45	Shale	
45	48	Sandy Shale	
48	85	Shale	
85	88	Lime	
88	89	Coal	
89	95	Shale	White, muddy
95	117	Lime	
117	119	Blk Shale	
119	131	Lime	
131	133	Blk Shale	
133	156	Shale	
156	174	Sandy Shale	
174	198	Shale	
198	218	Lime	
218	225	Blk Shale	
225	231	Lime	
231	234	Blk Shale	
234	238	Shale	Muddy
238	331	Shale	
331	333	Lime	Dk. Brown
333	334	Coal	

Walsh/Meyer Inj. 32

Crawford Co., KS

334	378	Shale	
378	390	Sandy Shale	
390	392	Coal	
392	408	Sand	Good bleed to pit, soft sand, good odor
408	411	Sand	Blk. Sand, soft, no bleed, slight odor
411	435	Shale	
435		TD	