

Rig Number: 1 S. 27 T. 29 R. 15 E  
 API No. 15-205-28374 County: Wilson  
 Elev. 994' Location: NW-SE-NW-SW

Gas Test:

Operator: HPH Kansas LLC  
 Address: 555 North point center East suite 400  
 Alpharetta GA 30022  
 Well No: 67 Lease Name: Volunteer  
 Footage Location: 1655 ft. from the (N) (S) Line  
 4600 ft. from the (E) (W) Line  
 Drilling Contractor: Legend Drilling  
 Spud Date: 12/17/15 Geologist:  
 Date Completed: 12/22/15 Total Depth: 1370'

Put oil on pit From 1177'  
 TO 1215'

Put oil on pit From 1228'  
 TO 1265'

Casing Record		Rig Time:
	Surface	Production
Size Hole:	11"	6 3/4"
Size Casing:	8 5/8"	
Weight:	23 #	
Setting Depth:	41.5'	
Type Cement:	port	
Sacks:	8	

1370' @ \$9.50/FT = \$13,015.  
 6 3/4" Hole

Inj water @ 390'

Inj water @ 390'			Well Log					
Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
Top Soil	0	2	Shale	718	723	Shale	1085	1099
lime	2	66	lime	723	733	coal	1099	1100
Shale	66	82	Shale	733	738	Sand Sho	1100	1107
lime	82	165	Sand Sho	738	777	Sand/Shale	1107	1164
Shale	165	287	coal	777	778	oil Sand	1164	1182
lime	287	292	Shale	778	795	coal	1182	1183
Shale	292	287	Sand Sho	795	844	oil Sand	1183	1199
Sand wet	287	374	lime	844	849	coal	1199	1200
Shale	374	407	coal	849	850	oil Sand	1200	1238
lime	407	412	Shale	850	856	water Sand	1238	1252
Sand/Shale	412	422	lime	856	872	oil Sand	1252	1262
lime	422	503	Shale	872	908	coal	1262	1263
Shale	503	510	Oswego lime	908	928	Shale	1263	1269
lime	510	514	Summit	928	937	coal	1269	1270
Sand Sho	514	549	lime	937	948	Shale	1270	1308
coal	549	550	mulkey	948	954	coal	1308	1309
Shale	550	557	lime	954	958	Sand/Shale	1309	1319
lime	557	580	Sand/Shale	958	967	mississippi	1319	1370
Shale	580	622	Shale	967	1024			
lime	622	638	lime	1024	1026			
Shale	638	683	Shale	1026	1069			
lime	683	706	coal	1069	1070			
Shale	706	716	Shale	1070	1084			
lime	716	718	coal	1084	1085			