McPherson Drilling LLC AFE #D13014 Drillers Log McPherson Drilling LLC

Rig Number: 2	S. 9 T. 28 R. 17E
API No. 15- 205-28091	County: Wilson
Elev. 1016	Location: NW - NE - NE - NW

Operator: Post Rock midcontinent Production	
Address: Oklahoma Tower 210 Park Ave Ste 2750	
Well No. 9-1	Lease Name: mcmillen Betty J
Footage Location: 235	ft. from the (N) (S) Line
2180	ft. from the (E) (W) Line
Drilling Contractor: McPherson Drilling LLC	
Spud date: 2/6/13	Geologist:
Date Completed 2/7/13	Total Depth: 1125'

Casing Record	Surface	Production
Size Hole	11"	7 7/8"
Size Casing	8 5/8"	
Weight	23#	
Setting Depth	209'	Post Rock
Type Cement	Port	
Sacks	Post Rok cemented	

Rig Time:
1 hr Rwa and cement surface casing (200')

Gas Tests:	
579'	0
729'	0
1030'	336
1125'	same

970' TO 1050' Put a lot of oil on pit

Picked up lot of water @ 1100'

Tri water @ 228'

Well Log

Formation	Top	Btm.		Formation	Top	Btm.		Formation	Top	Btm.
Top Soil	0	2		Summit	703	708				
Lime	2	107		Lime	708	714				
Sand	107	243	wet	mulky	714	720				
Lime	243	308		Lime	720	726				
Shale	308	318		Shale	726	740				
Lime	318	325		oil Sand	740	755	25%			
Sand	325	340	50%	Sand	755	781				
Lime	340	369		Shale	781	811				
Shale	369	380		Sand	811	863	0%			
Lime	380	425		Sand Light	863	877				
Shale	425	465		Sand	877	912	0%			
Lime	465	477		oil Sand	912	920				
Shale	477	481		Sand/Shale	920	945				
Lime	481	490		coal	945	946				
Shale	490	495		Sand/Shale	946	949				
Lime	495	574		oil Sand	949	957				
coal	574	575		coal	957	958				
Sand	575	581	0%	oil Sand	968	1063				
Sand/Shale	581	614		Sand/Shale	1063	1121				
Lime	614	649		coal	1121	1122				
Shale	649	665		Sand/Shale	1122	1125	TD			
Lime	665	673								
Shale	673	684								
Mulky Lime	684	703								