McPherson Drilling LLC AFE # D13103 Drillers Log McPherson Drilling LLC

Rig Number: 2	S. 33 T. 26 R. 15 E
API No. 15-207-28566	County: Woodson
Elev. 1027'	Location: SW-SW-NW-SE

Operator: Post Rock midcontinent Production	
Address: Oklahoma Tower 210 Park Ave Ste 2750	
Oklahoma city ok 73102	
Well No: 33-4	Lease Name: Ecco Ranch
Footage Location: 1325 ft. from the (N) ((S)) Line	
2390 ft. from the ((E)) (W) Line	
Drilling Contractor: McPherson Drilling LLC	
Spud date: 6/18/13	Geologist:
Date Completed: 6/20/13	Total Depth: 1375'

Casing Record			Rig Time:
	Surface	Production	
Size Hole:	11"	7 7/8"	
Size Casing:	8 5/8"		
Weight:	23#		
Setting Depth:	41'	Post Rock	
Type Cement:	port	" "	
Sacks:	10		

Gas Tests:
1056' 0
1156' 0
1356' Slight 13 Low
Put oil on Pit from 1298
TO 1327

In water @ 530'

Well Log

Formation	Top	Btm.		Formation	Top	Btm.		Formation	Top	Btm.
Top Soil	0	3		mulkey	1029	1035				
Sand Stone	3	16		Lime	1035	1037				
Shale	16	164		Sand/Shale	1037	1044				
Lime	164	215		Sand	1044	1054	no			
Shale	215	400		Sand/Shale	1054	1058				
Lime	400	443		Sand	1058	1067	no			
Sand	443	463		Sand/Shale	1067	1086				
coal	463	465		Shale	1086	1117				
sand shale	465	499		Sand	1117	1130	no			
Lime	499	603		Sand/Shale	1130	1137				
Shale	603	612		Shale	1137	1184				
Lime	612	718		coal	1184	1185				
Shale	718	812		Shale	1185	1189				
Lime	812	817		Sand	1189	1196	no			
Shale	817	820		Sand/Shale	1196	1204				
Lime	820	847		Shale	1204	1240				
Sand	847	934	no	oil Sand	1240	1303				
Shale	934	950		coal	1303	1304				
Lime	950	970		oil Sand	1304	1327				
Coal	970	971		Shale	1327	1365				
Shale	971	998		coal	1365	1366				
Bwego lime	998	1015		Shale	1366	1371				
Summit	1015	1020		Mississippi	1371	1375	TD			
Lime	1020	1029								