

**McGown Drilling, Inc.**  
**Mound City, Kansas**

**Operator:**  
Cherokee Wells, LLC  
c/o Domestic Energy Partners  
Fredonia, KS

**Burnt Hills Ranch P-5**

Wilson Co., KS  
21-27S-15E  
API: 205-28139

<b>Spud Date:</b>	4/18/2013	<b>Surface Bit:</b>	11.0"
<b>Surface Casing:</b>	8.625"	<b>Drill Bit:</b>	6.75"
<b>Surface Length:</b>	40.50'	<b>Longstring:</b>	1496.20'
<b>Surface Cement:</b>	6 sx	<b>Longstring Date:</b>	4/30/2013

**Driller's Log**

<b>Top</b>	<b>Bottom</b>	<b>Formation</b>	<b>Comments</b>
0	8	Soil, clay, sandstone	
8	177	Shale	
177	233	Lime	
233	305	Shale	
305	323	Lime	
323	360	Shale	
360	430	Lime	
430	501	Grey Sand & Shale	
501	510	Lime	
510	523	Shale	
523	613	Lime	
613	617	Bl. Shale & Shale	
617	645	Grey Sand	
645	671	Lime	
671	676	Bl. Shale & Shale	
676	716	Lime	
716	794	Big Shale	
794	808	Lime	
808	825	Shale	
825	836	Lime	
836	840	Bl. Shale & Shale	
840	929	Shale	
929	931	Coal	
931	954	Lime	
954	955	Bl. Shale	

Burnt Hills Ranch P-5

Wilson Co., KS

955	984	Shale	
984	1003	Lime	20'
1003	1008	Bl. Shale & Shale	
1008	1016	Lime	5'
1016	1018	Coal	
1018	1034	Shale	
1034	1041	Grey Sand & Shale	
1041	1082	Shale	
1082	1083	Coal	
1083	1104	Shale	
1104	1106	Lime	
1106	1107	Coal	
1107	1148	Shale	
1148	1149	Coal	
1149	1190	Shale	
1190	1191	Coal	
1191	1215	Shale	
1215	1216	Coal	
1216	1217	Shale	
1217	1218	Coal	
1218	1260	Shale	
1260	1355	Sand	w/Sandy shale, traces of oil off & on
1355	1356	Coal	
1356	1360	Shale	
1360	1375	Sand	No oil show
1375	1376	Coal	
1376	1390	Sand	No oil show
1390	1399	Shale	
1399	1503	Lime	Mississippian
1503		TD	

**Coring**

Run	Depth
1	1438-1458
2	1458-1471