

API. #15-137-20578-00-00

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY <u>Baird Oil Company, LLC.</u>	ELEVATION
LEASE <u>Esslinger Ranch, Inc. #5-35</u>	KB <u>2329'</u>
FIELD <u>Red Fox</u>	DF <u>2327'</u>
LOCATION <u>120'FNL + 2120'FFL</u>	GL <u>2324'</u>
SEC <u>35</u> TWSP <u>35</u> RGE <u>22W</u>	Depths Measured From
COUNTY <u>Norton</u> STATE <u>Kansas</u>	Log <u>KB</u> Drilling <u>KB</u>
CONTRACTOR <u>WWD Drilling Rig #8</u>	CASING
SPUD <u>8-12-11</u> COMP <u>8-19-11</u>	Surface <u>8 5/8" @ 212'</u>
SAMPLES SAVED FROM <u>3250'</u> TO <u>R.T.D.</u>	Production <u>5 1/2" @ 3811'</u>
	ELECTRIC LOGS
	<i>Superior Well Services</i>

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
			<i>K. lag</i>				
Anhydrite	2001	1998 +	331	+ 322	+ 322		
Base Anhydrite	2029	2027 +	302	+ 292	+ 292		
Topeka	3316	3316 -	987	- 992	- 991		
Heebner	3514	3513 -	1184	- 1192	- 1192		
Toronto	3539	3540 -	1211	- 1216	- 1216		
Lansing	3557	3557 -	1228	- 1233	- 1233		
Base Kansas City	3743	3743 -	1414	- 1423	- 1420		
Marmaton	3771	3772 -	1443	- 1451	- 1446		
Pre-Cambrian	3786	3786 -	1457	- 1479	- 1463		
Total Depth	3810	3812 -	1483	- 1498	- 1479		

REFERENCE WELLS

A	Baird Oil Co. Esslinger Ranch, Inc. #3-35, 445' FNL + 2585' FWL sec 35-35-22W
B	Baird Oil Co. Esslinger Ranch, Inc #4-35, 2375' FNL + 1640' FFL sec 35-35-22W
C	
D	Part Collar @ 2018