



11 Lewis Drive

Paola, KS 66071

**Oil & Gas Well Drilling  
Water Wells  
Geo-Loop Installation**

Phone: 913-557-9083

Fax: 913-557-9084

**WELL LOG**

Kansas Resource Exploration & Development, LLC

Roberts #KR-9

API # 15-091-23,621

October 13 - October 14, 2011

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
6	soil & clay	6
4	lime	10
10	shale	20
16	lime	36
8	shale	44
8	lime	52
10	shale	62
8	lime	70
6	shale	76
4	lime	80
17	shale	97
71	lime	168
34	shale	202
10	lime	212
20	shale	232
8	lime	240
8	shale	248
6	lime	254
32	shale	286
2	lime	288
8	shale	296
8	lime	304
8	shale	312
20	lime	332
4	shale	336
38	lime	374
181	shale	555
14	lime	569
29	shale	598
7	lime	605
20	shale	625
27	lime	652
22	shale	674

6	lime	680
29	shale	709
2	broken sand	711
4	silty shale	715
3	broken sand	718
72	shale	790 TD

Drilled a 9 7/8" hole to 21.9'  
Drilled a 5 5/8" hole to 790'

Set 21.9' of 7" surface casing cemented with 6 sacks of cement.

Set 775.1' of 2 7/8" threaded and coupled 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp.