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 Date: November 4, 2014 2:42:24 PM CST
 To: <sbmartin@coxinet.net>
 Subject: **South Kempnich # 21-IWU**
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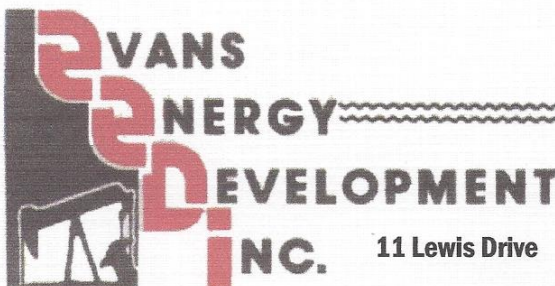
Please find attached the well log for South Kempnich # 21-IWU

Vicki Kemplay

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**Oil & G
Water \
Geo-Lo**

PI
Fi

11 Lewis Drive Paola, KS 66071

WELL LOG
 Tailwater, Inc.
 South Kempnich # 21-IWU
 API #15-003-26,392
 November 3 - November 4, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
14	soil & clay	14
4	clay & gravel	18
46	shale	64
29	lime	93
16	shale	109
4	lime	113
51	shale	164
7	lime	171

1	lime	171
4	shale	175
38	lime	213
6	shale	219
26	lime	245
3	shale	248
19	lime	267 base of the Kansas C
179	shale	446
3	lime	449
4	shale	453
9	lime	462 oil show
8	shale	470
12	oil sand	482 green ok oil show
2	shale	484
1	coal	485
3	shale	488
19	oil sand	507 good bleeding
5	shale	512
2	coal	514
3	shale	517
4	lime	521
19	shale	540
4	lime	544
50	shale	594
3	lime	597
22	shale	619
1	limey sand	620 green & white, no oil
6	broken sand	626 brown & green good t
23	shale	649 TD

Drilled a 9 7/8" hole to 22.6'

Drilled a 5 5/8" hole to 649'

Set 22.6' of 7" surface casing with 5 sacks of cement.

Set 644' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp