



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

Justin Energy Corporation

North Hoehn #6

API #15-059-26,406

November 20 - November 21, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
7	soil & clay	7
24	lime	31
6	shale	37
10	lime	47
6	shale	53
16	lime	69
33	shale	102
22	lime	124
6	shale	130
2	lime	132
71	shale	203
21	lime	224
26	shale	250
5	lime	255
30	shale	285
6	lime	291
6	shale	297
2	lime	299
15	shale	314
11	lime	325 oil show
2	shale	327
12	lime	339
6	shale	345
23	lime	368
4	shale	372
12	lime	384 base of the Kansas City
115	shale	499
1	silty shale	500
2	broken sand	502 light bleeding, brown & green sand
26	shale	528
7	lime	535
5	lime	540 oil show
9	shale	549
8	oil sand	557 hard brown & green sand good bleeding
27	shale	584
1	coal	585
2	shale	587
6	lime	593
14	shale	607

3	lime	610 brown no oil
9	shale	619 black
7	lime	626
5	shale	631
1	lime	632
8	shale	640
4	lime	644
2	lime	646 black & broken soft good bleeding
9	shale	655
3.5	broken sand	658.5 light brown, light bleeding 60% sand 40% shale
8.5	sand	667 light brown, very slight bleeding
5	oil sand	672 good bleeding
6	broken sand	678 60% shale 40% bleeding sand
2.5	oil sand	680.5 good bleeding
0.5	shale & lime	681
0.5	shale	681.5
0.5	oil sand	682
2	silty shale	684 good bleeding
6	broken sand	690 50% bleeding sand 50% shale
1.5	oil sand	691.5 good bleeding
0.5	dark sand	692 light bleeding, limey
5	dark sand	697
15	shale	712
1	lime & shells	713
3	shale	716
11	silty shale	727 TD

Drilled a 9 7/8" hole to 21.4'

Drilled a 5 5/8" hole to 727'

Set 21.4' of 7" casing threaded and coupled cemented with 6 sacks of cement.

Set 717' of new 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.

	Core Times	
	<u>Minutes</u>	<u>Seconds</u>
655	1	12
656		41
657		44
658		39
659		44
660		41
661		50
662		37
663		30
664		38
665		43
666		41
667		41
668		45
669		44
670		47
671		47
672		49
673		44
674		47
675		47
676		34
677		41
678	1	5
679	1	19
680		44
681		45
682		36
683		38
684		40
685		36
686		39
687		48
688		50
689		56
690	1	6
691	1	11
692	1	17
693	1	21
694		29



CONSOLIDATED
Oil Well Services, LLC

265588

TICKET NUMBER 42562

LOCATION ottawa

FOREMAN Alan Made

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-14	4174	N Hoehn #6	NE 20	16	21	FK
CUSTOMER		TRUCK #				
Justin Energy		230	DRIVER	TRUCK #	DRIVER	
MAILING ADDRESS		368	Alan Mad	370	Safety Meet	
40971 W 247th		558	Alan Mad			
CITY	STATE	ZIP CODE	OTHER			
Wellsville	KS	66092				

JOB TYPE Long Strike HOLE SIZE 3 5/8 HOLE DEPTH 727 CASING SIZE & WEIGHT 2 7/8
 CASING DEPTH 717 DRILL PIPE _____ TUBING _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING Yes
 DISPLACEMENT 4.2 DISPLACEMENT PSI 800 MIX PSI 200 RATE 46 bpm

REMARKS: held meeting, established rate. Mixed & pumped 100# gel followed by 102 sk 50/150 cement plus 2 1/2 gel. Circulated cement. Flushed pump. Pumped plus to casing ID. Well held 800 PSI. Set float. closed valve.

Evans Mitchell

Alan Made

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085.00
5406	20	MILEAGE	368	84.00
5402	717	casing footage	368	
5407	min	ten miles	558	368.00
5502C	2	80 vac	370	780.00
1124	102	50/150 cement		1123.60
1118B	271#	gel		59.62
4402	1	2 1/2 plug		29.50
			SALES TAX	96.55
			ESTIMATED TOTAL	3675.67

Ravin 3737

AUTHORIZATION *[Signature]*

TITLE _____

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.