



INC.

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 #3

API #15-059-26,394

November 17 - November 20, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
9	soil & clay	9
21	lime	30
6	shale	36
11	lime	47
5	shale	52
18	lime	70
33	shale	103
25	lime	128
75	shale	203
21	lime	224 making water
24	shale	248
6	lime	254
18	shale	272
2	lime	274
10	shale	284
7	lime	291
6	shale	297
1	lime	298
17	shale	315
22	lime	337 light oil show
7	shale	344
25	lime	369
3	shale	372
12	lime	384 base of the Kansas City making water & light oil show
149	shale	533
7	lime	540
2	shale	542
2	silty shale	544
3	broken sand	547 light bleeding
3	silty shale	550
1	broken sand	551 brown sand & shale, light bleeding
9	oil sand	560 brown & green, good bleeding
20	shale	580
2	coal	582
5	shale	587
8	lime	595
13	shale	608
4	lime	612 brown, no show
1	shale	613

North Hoehn #3

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1	coal	614
4	shale	618
9	lime	627
5	shale	632
1	lime	633
5	shale	638
2	lime	640
3	brown lime	643 soft, good bleeding
2	lime	645
5	shale	650 white, green
1.5	broken sand	651.5 15% brown sand 85% shale, light bleeding
14.5	oil sand	666 brown light bleeding (gassy?)
6	oil sand	672 brown good bleeding
1	oil sand	673 brown, no bleeding
8.5	oil sand	681.5 brown, good bleeding
3	oil sand	684.5 black, no bleeding
2	oil sand	686.5 broken, black bleeding sand & grey shale
33.5	shale	720 TD

Drilled a 9 7/8" hole to 22.2'

Drilled a 5 5/8" hole to 720'

Set 22.2' of 7" casing threaded and coupled cemented with 6 sacks of cement.

Set 712' 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>
650	38
651	48
652	35
653	41
654	37
655	43
656	44
657	42
658	34
659	41
660	38
661	42
662	36
663	34
664	37
665	39
666	40
667	41
668	45
669	42
670	45
671	45
672	43
673	42
674	49
675	42
676	51
677	49
678	39
679	37
680	45
681	41
682	45
683	49
684	42
685	48
686	52
687	1
688	47
689	44



CONSOLIDATED
Oil Well Services, LLC

265516

TICKET NUMBER 42561
LOCATION Ottawa
FOREMAN Alan Mader

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
1-20-14	4174	N Hoeha #3	NE 20	16	21	EX
CUSTOMER Justin Energy			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 40971 W 247th			730	Alan Mader	368	Safety, Meet
CITY	STATE	ZIP CODE	368	Alan Mader		
Wellsville	KS	66092	369	Der Mas		
			358	Der Mas		

JOB TYPE log string HOLE SIZE 5 7/8 HOLE DEPTH 720 CASING SIZE & WEIGHT 2 7/8
CASING DEPTH 712 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
DISPLACEMENT 4.1 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: held meeting. Established rate plus casing. Mixed & pumped 100# gel followed by 103 sk 30.50 cement plus 2% gel. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 P.S.T. Set float. closed valve.

Fickus, Mitchell

Alan Mader

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	712	casing footage	368	368.00
5407	n/a	ton miles	369	182.00
5503C	2	80 wag		
1124	103	50 150 cement		1184.50
1183	273#	gel		60.06
4402	1	2 1/2 plug		29.50
			SALES TAX	97.46
			ESTIMATED TOTAL	3088.52

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 for