



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

Hoehn Oil, LLC

Anderson #31

API #15-059-26,837

October 29 - October 30, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
3	soil & clay	3
15	limestone	18
27	shale	45
22	lime	67
87	shale	154
19	lime	173
28	shale	201
12	lime	213
20	shale	233
16	lime	249
19	shale	268
26	lime	294
8	shale	302
21	lime	323
4	shale	327
12	lime	339 base of the Kansas City
150	shale	489
6	lime	495
1	shale	496
2	lime	498
47	shale	545
8	lime	553
13	shale	566
3	lime	569
10	shale	579
6	lime	585 few shale seams
7	shale	592
1	lime	593
3	shale	596 dark
2	brown lime	598 good oil show
4	lime	602
2	shale	604 grey
0.5	shale	604.5
0.5	oil sand	605
2.5	oil sand	607.5
2	lime	609.5
2.5	oil sand	612
4	broken sand	616 50% bleeding sand 50% light shale
1	shale	617

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2	broken sand	619	80% bleeding sand, 20% light shale
2	shale	621	
1	broken sand	622	10% swirl of bleeding sand 90% light shale
29	shale	651	
1	lime	652	
10	shale	662	
2	oil sand	664	
3	broken sand	667	50% bleeding sand 50% grey shale
11	shale	678	
4	broken sand	682	50% bleeding sand, 20% shale
36	shale	718	TD

Drilled a 9 7/8" hole to 21.7'

Drilled a 5 5/8" hole to 718'

Set 21.7' of new 7" threaded and coupled surface casing with 5 sacks of cement.

Set 707.5' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp.

Upper Squirrel Core Times

	<u>Minutes</u>	<u>Seconds</u>
606		20
607		24
608		30
609	1	38
610	1	4
611		20
612		34
613		26
614		20
615		24
616		27
617		23
618		24
619		23
620		21
621		21
622		21
623		20
624		26
625		28



272301

696
663

TICKET NUMBER 50550
 LOCATION Atawea, KS
 FOREMAN Cassey Kennedy

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
10/30/14	3602	Anderson #31	NW 6	17	21	FR
CUSTOMER Hoehn Oil			TRUCK #			
MAILING ADDRESS 40971 W. 247th			DRIVER			
CITY Wellsville			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 66092			TRUCK #			
			DRIVER			

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 718' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 708' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 4.10 bbl/s DISPLACEMENT PSI _____ MIX PSI _____ RATE 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200# Premium Gel followed by 10 bbls fresh water, mixed & pumped 109 sks 950 Formix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing TD w/ 4.10 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

BTG

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	15 mi	MILEAGE		63.00
5402	708'	casing footage		368.00
5407	minimum	ton mileage		200.00
5502C	2 hrs	80 Vac		
1124	109 sks	950 Formix cement	1253.50	
1118B	383 #	Premium Gel	84.26	
6000	@	materials	1337.76	
000000	*	materials	401.33	
		Subtotal		936.43
4402	1	2 1/2" rubber plug		29.50
			3187.86	
		7.65%	SALES TAX	73.90
			ESTIMATED TOTAL	2755.82

Ravin 3737

AUTHORIZATION *Jim Hoehn*

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.