



24 S. Gold

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 #33

API # 15-059-27,196

November 2 - November 6, 2018

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
2	soil & clay	2
8	lime	10 broken limestone
8	shale	18
18	lime	36
14	shale	50
3	lime	53
11	shale	64
19	lime	83
90	shale	173
21	lime	194
6	shale	200
5	lime	205
16	shale	221 red bed
9	lime	230
26	shale	256
9	lime	265
1	shale	266
2	lime	268
19	shale	287
27	lime	314
5	shale	319
4	lime	323
3	shale	326
25	lime	351
2	shale	353
7	lime	360
3	shale	363
4	lime	367 Base of the Kansas City
20	shale	387
6	sand	393 grey, hard, light gas odor
77	shale	470
7	sand	477 grey, hard, no bleeding, no odor
38	shale	515
8	lime	523
5	shale	528
4	lime	532
32	shale	564
10	lime	574
11	shale	585

3	lime	588 brown, no oil
10	shale	598 black
7	lime	605 laminated with shale streaks
6	shale	611
3	lime	614
2	shale	616 black
3	lime	619 soft porous lime brown ok bleeding
2	lime	621 hard, light brown lime
2	shale	623
1	lime	624
3	silty shale	627
0.5	oil sand	627.5 black & dark brown sand heavy oil, ok bleeding
1	broken sand	628.5 90% brown sand 10% laminated shale good bleeding, gassy
1.5	oil sand	630 brown sand, light bleeding
3	broken sand	633 40% brown sand 60% laminated shale ok bleeding
1	broken sand	634 brown sand, laminated with shale lime streaks
4	broken sand	638 40% brown sand 60% shale lamination
1	silty shale	639
31	shale	670
1	lime & shells	671
7	shale	678
1	lime & shells	679
1	silty shale	680
1	broken sand	681 70% brown sand 30% shale, light bleeding
1	silty shale	682
2	broken sand	684 50% brown sand 50% shale, light bleeding
5	silty shale	689 TD

Drilled a 9 7/8" hole to 21.1'

Drilled a 5 5/8" hole to 669'

Set 21.1' of 7" surface casing cemented with 6 sacks of cement.

Set 667' of used 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp

Core Times	
<u>Minutes</u>	<u>Seconds</u>
627	49
628	43
629	42
630	30
631	39
632	5
633	42
634	40
635	45
636	46
637	54
638	50
639	54
640	49
641	43
642	44
643	49
644	41
645	31
646	42



PRESSURE PUMPING LLC  
PO Box 884, Chanute, KS 66720  
620-431-8210 or 800-467-8676

11981

11864

TICKET NUMBER 55523

LOCATION Ottawa KS

FOREMAN Casa, Kennedy

FIELD TICKET & TREATMENT REPORT  
CEMENT

Invoice #819524

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/6/18	3602	Anderson - 33	SW 31	16	21	FR
CUSTOMER: <u>Hoehn Oil LLC</u>			TRUCK #			
MAILING ADDRESS: <u>40971 West 247th</u>			DRIVER			
CITY: <u>Wellsville</u> STATE: <u>KS</u> ZIP CODE: <u>66609</u>			TRUCK #			
			DRIVER			

JOB TYPE log string HOLE SIZE 5 1/8" HOLE DEPTH 689' CASING SIZE & WEIGHT 2 1/2" EUE  
 CASING DEPTH 664' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/ek \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 3.86 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200 # gel followed by 5 bbls fresh water, mixed & pumped 96 lbs Portland A cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing TD w/ 3.86 bbls fresh water, pressured to 800 PSI, released pressure to set float valve.

*[Handwritten signature]*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	10 mi	MILEAGE	71.50	
CE0711	min	ton mileage	160.00	
WE0853	2 hrs	80 Vac	200.00	
		trucks	2431.50	
		-40%	972.60	
		Subtotal		1458.90
CC5840	96 sks	Portland A cement	1296.00	
CC5925	361 #	Gel	108.30	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	1449.30	
		-40%	579.72	
		Subtotal		869.58

SCANNED

8%

SALES TAX 69.50

ESTIMATED TOTAL 2398.08

TOTAL (2996.74)

Revin 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.