



**Oil & Gas Well Drilling  
Water Wells  
Geo-Loop Installation**

**11 Lewis Drive Paola, KS 66071**

**Phone: 913-557-9083  
Fax: 913-557-9084**

**WELL LOG**

Vast Petroleum of Kansas LLC  
Shikels #1-21  
API #15-107-24,886  
January 17 - January 20, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
3	soil & clay	3
13	lime	16
37	sandstone	53
53	shale	106
7	lime	113
6	shale	119
37	lime	156
13	shale	169
20	lime	189
3	shale	192
20	lime	212 base of the Kansas City
26	shale	238
25	sand	263 grey, no oil
126	shale	389
10	lime	399
54	shale	453
7	lime	460
5	shale	465
4	lime	469
5	shale	474
4	lime	478
29	shale	507
8	lime	515
15	shale	530
2	lime	532
3	shale	535
3	lime	538
26	shale	564
10	silty shale	574
1	broken sand	575 brown & grey light oil show
1	broken sand	576 brown & grey, ok bleeding
1	silty shale	577
3	broken sand	580 brown & grey, light oil show
3	shale	583
8	broken sand	591 brown & grey, light oil show
1	silty shale	592
16	broken sand	608 brown & grey, ok bleeding
1	shale	609

Shikels #I-21

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5	broken sand	614 brown & grey, ok bleeding
4	silty shale	618
3	oil sand	621 black, light oil show
15	silty shale	636
1	coal	637
79	shale	716 TD

Drilled a 9 7/8" hole to 22.6'

Drilled a 5 5/8" hole to 716'

Set 22.6' of 7" threaded and coupled surface casing, cemented with 6 sacks cement.

Set 706.5' of 2 7/8" 8 round upset tubing including 6 centralizers, 1 float shoe, 1 baffel, 1 clamp.

15-107-24886-00-00



**CONSOLIDATED**  
Oil Well Services, LLC

265518

TICKET NUMBER 42579

LOCATION Ottawa KS

FOREMAN Fred Madar

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	8553	Jewel Shikel # T-21	NE 25	20	21	LN
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address			712	Fremad		
10939 N Alpine Highway			475	Har Bec		
CITY	STATE	ZIP CODE	370	Kei Car		
Highland	UT	84003	510	Mik Hag		

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 716 CASING SIZE & WEIGHT 2 7/8 EOE  
 CASING DEPTH 706 0 DRILL PIPE Baffle in TUBING @ 674 OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 32' + Plug  
 DISPLACEMENT 3.92 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5.8 PM

REMARKS: Hold crew safety meeting. Establish pump rate mix pump 100#  
Gal Flush. Mix + Pump 118 SKS 50/50 Por Mix Cement 2 7/8 Gal  
290 Calcium Chloride. 1/4" Flo Seal /ok. Cement to surface.  
Flush pump + lines clean. Displace 2 7/8" Rubber plug to Baffle  
in casing. Pressure to 800# PSI. Hold + Monitor Pressure  
for 30 min MDT. Release Pressure to set float valve.

Evans Energy Dev. Inc. Travis

Fred Madar

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 <sup>00</sup>
5406	35 mi	MILEAGE	495	147 <sup>00</sup>
5402c	706	Casing Footage		N/C
5407	minimum	Ten Miles	510	368 <sup>00</sup>
3502c	2 hrs	80 BBL Vac Truck	370	180 <sup>00</sup>
1124	118 SKS	50/50 Por Mix Cement		1357 <sup>00</sup>
118B	299 #	Premium Gal		625 <sup>78</sup>
1102	199 #	Calcium Chloride		155 <sup>22</sup>
1107	30 #	Flo. Seal		74 <sup>10</sup>
4402	1	2 7/8" Rubber Plug		29 <sup>50</sup>
			6.15%	SALES TAX
				ESTIMATED
				TOTAL

Rev'n 3737

AUTHORIZATION SOAK OK

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.