



**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

Jewel J. Shikels #23

API #15-107-24,830

January 9, 2014 - January 13, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
1	soil & clay	1
10	lime	11
22	sandstone	33 grey, no oil
71	shale	104
9	lime	113
5	shale	118
38	lime	156
6	shale	162
24	lime	186
4	shale	190
19	lime	209 base of the Kansas City
27	shale	236
31	sand	267 grey, no oil
106	shale	373
24	lime	397 with a few shale seams
39	shale	436
2	sand	438 grey, no oil
11	shale	449
1	coal	450
3	shale	453
10	lime	463
12	shale	475
4	lime	479
28	shale	507
6	lime	513
21	shale	534
2	lime	536
34	shale	570
3	broken sand	573 brown & green 90% shale oil odor
1	broken sand	574 brown & grey 2% bleeding
1.5	shale	575.5
1.5	broken sand	577 brown & grey 10% bleeding 90% shale
1	shale	578
8	broken sand	586 brown & grey 10% bleeding 60% shale
0.5	shale	586.5
4	broken sand	590.5 brown & grey 20% bleeding 20% shale
4.5	shale	595
1	broken sand	596 brown & grey 2% bleeding 90% shale

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1	shale	597
7	broken sand	604 brown & grey 20% bleeding 50% shale
2	shale	606
1.5	oil sand	607.5 brown few thin bleeding seams
4	broken sand	611.5 brown & grey 10% bleeding 70% shale
5	shale	616.5
1	oil sand	617.5 brown 90% bleeding
2.5	silty shale	620
2	lime & sand	622
70	shale	692 TD

Drilled a 12 1/4" hole to 21.2'

Drilled a 5 5/8" hole to 692'

Set 21.2' of 8 5/8" threaded and coupled surface casing, cemented with 8 sacks cement.

Set 682.05' of 4 1/2" tubing including 6 centralizers, 1 float shoe, 1 baffel, 1 clamp.

	Core Times	
	<u>Minutes</u>	<u>Seconds</u>
574	1	7
575	1	6
576		53
577		47
578		56
579		48
580		55
581		52
582		43
583		53
584	1	2
585		54
586		44
587		57
588		56
589		54
590	1	6
591		59
592	<u>1</u>	14
593	1	22
594	1	44

	<u>Minutes</u>	<u>Seconds</u>
595	1	1
596	1	22
597	1	32
598	1	22
599		59
600	1	1
601	1	32
602	1	37
603	1	7
604		50
605	1	7
606	1	13
607		58
608	1	17
609	1	6
610		54
611	1	17
612	1	23
613	1	4
614	1	35
615	1	13

	<u>Minutes</u>	<u>Seconds</u>
616		58
617	1	4
618	1	4
619	1	31
620	1	0
621	1	1
622		57
623	1	4
624	1	12
625		53
626	1	42
627	1	27
628	1	45
629	1	23
630	1	47
631	1	10
632	1	13
633	1	10
634	1	5
635	1	15

15-107-24830-00-00



**CONSOLIDATED**  
Oil Well Services, LLC

265355

TICKET NUMBER 42533

LOCATION Ottawa KS

FOREMAN Fred 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
1-15-14	8553	Shikel # 23	NE 25	20	21	LN
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address			712	Fred Mad		
CITY			495	Har Bro		
STATE			370	Kel Car		
ZIP CODE			510	Sci Tuc		

JOB TYPE Long string HOLE SIZE 6 3/4 HOLE DEPTH 692 CASING SIZE & WEIGHT 4 1/2"  
 CASING DEPTH 682 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT In CASING 4 1/2" Plug  
 DISPLACEMENT -10.8 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 BPM

REMARKS: Hold crew safety meeting. Establish pump rate. Mix Pump  
100# Gel Flush Pump 5.5 BBL Telltale dye. Follow w/  
104 sks 50/50 Por Mix Cement 2% Gel 2% Calcium Chloride  
1/4# Flo Seal / sk. Flush pump & lines clean. Displace 4 1/2"  
Rubber plug to casing TD. Pressure to 600# PSI.  
Release Pressure to set float valve. Shut in casing

Evans Energy Dev. Inc. Travis Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085.00
5406	35 mi	MILEAGE	455	1417.00
5402	682	Casing Footage		N/C
5407	Minimum	Ten Miles	510	368.00
5502C	2 hrs	80 BBL Vag. Truck	370	180.00
1154	104 SKS	50/50 Por Mix Cement		1156.00
115B	275#	Premium Gel		60.00
1102	175#	Calcium Chloride		136.00
1107	26#	Flo Seal		64.23
4404	1	4 1/2" Rubber Plug	47.25	47.25
			6.15%	SALES TAX
				ESTIMATED TOTAL
				3376.00

Ravin 9737

AUTHORIZATION: Sons in Day TITLE: Pumper DATE: 1-15-14

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.