



**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 #I-20

API #15-107-24,824

January 16 - January 17, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
3	soil & clay	3
17	lime	20
27	sandstone	47 grey, no oil
64	shale	111
9	lime	120
5	shale	125
35	lime	160
10	shale	170
20	lime	190
5	shale	195
20	lime	215 base of the Kansas City
20	shale	235
25	sand	260 grey, no oil
131	shale	391
10	lime	401
52	shale	453
8	lime	461
8	shale	469
4	lime	473
6	shale	479
4	lime	483
24	shale	507
5	lime	512
22	shale	534
7	lime	541
22	shale	563
2	lime	565
11	silty shale	576
1	broken sand	577 brown & grey, light bleeding
5	silty shale	582
2	broken sand	584 brown & grey, light oil show
1	shale	585
1	broken sand	586 brown & grey light oil show
1	shale	587
10	broken sand	597 brown & grey light oil show
1	shale	598
8	broken sand	606 brown & grey ok bleeding
2	shale	608

1	broken sand	609 brown & grey light oil show
11	shale	620
7	broken sand	627 brown & grey ok bleeding
43	silty shale	670
55	shale	725 TD

Drilled a 9 7/8" hole to 22.4'

Drilled a 5 5/8" hole to 725'

Set 22.4' of 8 5/8" threaded and coupled surface casing, cemented with 6 sacks cement.

Set 715' of 2 7/8" 8 round upset tubing including 6 centralizers, 1 float shoe, 1 baffel, 1 clamp.

15-107-24824-00-00

265497



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 42577

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
1-20-14	8553	Jewel Shields # I-20	NE 25	20	21	LN
CUSTOMER <u>VAST Petroleum of KS LLC</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>10939 W. Alton Highway</u>			712	Fred Mader		
CITY <u>Highland</u>	STATE <u>UT</u>	ZIP CODE <u>84003</u>	495	Harv Ber		
			370	Jan Ric		
			510	Set Tuc		

JOB TYPE Log string HOLE SIZE 5 1/8 HOLE DEPTH 725 CASING SIZE & WEIGHT 2 7/8 EUE  
 CASING DEPTH 715 DRILL PIPE Baffle in TUBING @ 683 OTHER 2  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 32' + Ply  
 DISPLACEMENT 3.978 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 58 PPM

REMARKS: Hold crew safety meeting. Establish pump rate. Mix + Pump 100#  
Gel Flush - Mix + Pump 118 SKS 50/50 Poz Mix Cement 2% Gel 2%  
Calcium Chloride w/ 1/4" Flo Seal/sk. Cement to surface  
Flush pump + lines clean. Displace 2 1/2 Rubber plug to  
baffle in casing. Pressure to 800# PSI. Hold + monitor  
pressure for 30 min MIT. Release pressure to set float  
Valve. Shut in casing.

Evans Energy Dev. Inc

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	495	17275.00
5402	715	Casing footage		N/C
5407	Minimum	Ten Miles	510	36800.00
5502C	2 hrs	50 BBL Vac Truck	370	1800.00
1124	118 SKS	50/50 Poz Mix Cement		1357.00
1118B	295#	Premium Gel		6578.00
1102	199#	Calcium Chloride		15523.00
1107	30#	Flo Seal		74.00
4402	1	2 1/2" Rubber Plug		29.50
			6.15%	SALES TAX
				ESTIMATED
				TOTAL

FlavIn 3737

AUTHORIZATION \_\_\_\_\_ 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.