

1204307

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

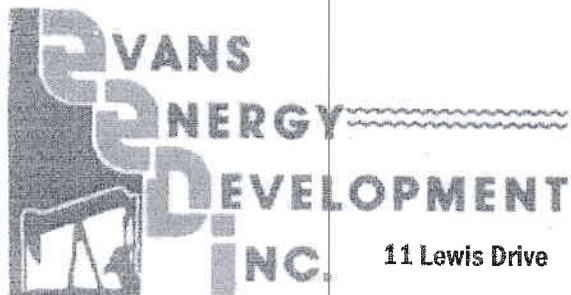
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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**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

Jewel J. Shikels #23

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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#			
Vast Petroleum of KS LLC			712	Fre Mad		
MAILING ADDRESS			495	Har Bro		
10939 N. Alpine Hwy			370	Kel Car		
CITY			510	Sci Tuc		
Highland						
STATE						
UT						
ZIP CODE						
84003						

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
				92.52
				ESTIMATED TOTAL
				3376.99

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.