

1373473

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 Yes No
(Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

TCores aken Yes No

Electric Log Run Yes No

Geologist Report / Mud Logs Yes No

List All E. Logs Run:

Log Formation (Top), Depth and Datum Sample

Name Top Datum

CASING RECORD New 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)

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4)	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)

TUBING RECORD:	Size:	Set At:	Packer At:
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11 Lewis Drive

Paola, KS 66071

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

Phone: 913-557-9083

Fax: 913-557-9084

WELL LOG

Midstates Energy Operating, LLC

Mark Leach #1-1

API#15-059-27,157

November 7 - November 8, 2017

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
4	soil	4
16	clay	20
79	shale	99
4	lime	103
10	shale	113
14	lime	127
10	shale	137
8	lime	145
4	shale	149
18	lime	167
36	shale	203
14	lime	217
77	shale	294
22	lime	316
16	shale	332
7	lime	339
36	shale	375
9	lime	384
4	shale	388
2	lime	390
13	shale	403
28	lime	431
4	shale	435
23	lime	458
5	shale	463
12	lime	475
174	shale	649
6	lime	655
4	shale	659
3	lime	662
11	shale	673
5	lime	678
15	shale	693
3	lime	696
3	shale	699
9	lime & shale	708 laminated
2	shale	710
1	lime	711
17	shale	728

2	lime	730 brown
5	shale	735 green
8	oil sand	743 good saturation and bleeding
3	broken sand	746 50% oil sand, 50% green shale
53	shale	799 TD

Drilled a 9 7/8" hole to 22.5'
Drilled a 5 5/8" hole to 799'

Set 22.5' of new 7" threaded and coupled surface casing cemented with 5 sacks of cement
Set 784' of new 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp



PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8876

9427/9319

TICKET NUMBER 53910

LOCATION Ottawa KS

FOREMAN Fred Maden

FIELD TICKET & TREATMENT REPORT
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-8-17	5647	Mark Leach # 2-1	20	15	20	FR
CUSTOMER Mid States Energy, Inc. LLC			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 5571 Hallifax Ave			712	Fre Mad		
CITY	STATE	ZIP CODE	495	Har Ace		
Fort Myers	FL	33912	675	Kai Det		
			503	Ala Mad		

JOB TYPE: Long string HOLE SIZE: 5 7/8 HOLE DEPTH: 799.1 CASING SIZE & WEIGHT: 2 7/8 EUE
 CASING DEPTH: 784.4 DRILL PIPE: _____ TUBING: _____ OTHER: _____
 SLURRY WEIGHT: _____ SLURRY VOL: _____ WATER gal/sk: _____ CEMENT LEFT IN CASING: 2 1/2" Plug
 DISPLACEMENT: 11.56 bbl DISPLACEMENT PSI: _____ MIX PSI: _____ RATE: 48 bbl / min

REMARKS: Hold safety valve. Establish circulation. Mix Pump 100 #
Gal Flush. Mix & Pump 93 sks Thixo blend IA Cement 1/2"
Phase seal 15k Cement to surface. Flush pump & lines clean
Displace 2 1/2" Rubber plug to casing. To pressure to 800 PSI.
Monitor pressure for 30 Min MIT. Release pressure to
set float valve.

Evans Energy Dev. Inc. Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0468	1	PUMP CHARGE	495	1500.00
CE0002	15 mi	MILEAGE	495	10725.00
CE0711	Minimum	Ten Miles Delivery	503	660.00
WE0675	2 hrs	2 B BBL Vac Truck	675	200.00
WE0857		Sub Total		2467.25
		Less 55%		1110.26
14573 CC5860	93 sks	Thixo blend I	23.25	2152.50
CC5765	100 #	Bentonite Gel	30.00	3000.00
CC6079	47 #	Phase Seal	63.43	2981.91
CP8716	1	1/2" Rubber Plug	415.25	415.25
		Sub Total		2463.26
		Less 55%		1106.55
		8%	SALES TAX	88.65
			ESTIMATED TOTAL	2307.99
			DATE	5/18/19

Rev 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.

