

1260424

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 Geologist Report / Mud Logs <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				

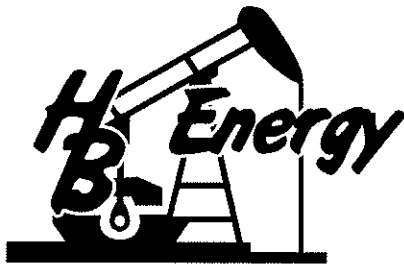
1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted 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 <i>(Explain)</i> _____			
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) (Submit ACO-4)</i>	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 <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Fueling American
Determination

Oil and Gas Well Drilling

3137 Virginia Rd, Wellsville KS 66092

Owners: Clay Hughes

Isaac Burbank

Phone: (785) 979-9493

(913) 963-9127

Fax: (785) 883-2305

Well Log

Sandstone Resources, LLC

Oyster #I-1

Sec. 14 Twp. 17 Rng. 22

Miami

3300 FSL, 3085 FEL

API: 15-121-31079

Start: 08/12/15

End: 08/13/15

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>	
4	Soil & Clay	4	
23	Brown Clay	27	No sand, no gravel
51	Shale	78	
16	Lime	94	
12	Shale	106	
2	Lime	108	
14	Shale	122	
6	Lime	128	
35	Shale	163	
10	Lime	173	
2	Shale	175	
3	Lime	178	
11	Shale	189	
25	Lime	214	Light oil show, making water
7	Shale	221	
24	Lime	245	
5	Shale	250	
4	Lime	254	
2	Shale	256	
8	Lime	264	
1	Shale	265	
3	Lime	268	Base of the Kansas City / Hertha
104	Shale	372	
1	Silty Shale	373	
2	Broken Sand	375	Brown & green sand, light bleed
2	Silty Shale	377	
21	Shale	398	
4	Red Bed	402	
3	Silty Shale	405	
1	Oil Sand	406	Soft light brown sand, ok bleed
4	Limey Sand	410	White/ light brown, hard, minimal oil show
2	Broken Sand	412	90% soft light brown sand, 10% shale, light bleed

Oyster I-1

1	Limey Sand	413	White lime with thin brown sand streaks, minima oil show
8	Shale	421	
3	Broken Sand	424	40% brown sand, 60% shale, ok bleed
2	Limey Sand	426	
3	Broken Sand	429	30% brown sand, 70% shale, ok bleed
1	Shale	430	
1	Limey Sand	431	White & brown, light show
1	Shale	432	
3	Limey Sand	435	
6	Lime	441	
40	Shale	481	
2	Coal	483	
6	Shale	489	
5	Lime	494	
15	Shale	509	
3	Lime	512	Brown, no oil
20	Shale	532	
1	Lime	533	
15	Shale	548	
2	Lime	550	
18	Shale	568	
2	Silty Shale	570	
1	Broken Sand	571	80% white sand, 20% brown oil sand, light bleed
1	Silty Shale	572	
2	Broken Sand	574	20% brown sand, 80% shale, gassy, ok bleed
1	Broken Sand	575	25% dark brown sand, 75% shale, light bleed
1	Silty Shale	576	
3	Broken Sand	579	30% black & brown sand, 70% shale, light bleed, gassy
1	Silty Shale	580	
39	Shale	619	
1	Oil Sand	620	Brown, light bleed
2	Broken Sand	622	80% brown sand, 20% shale, light bleed
1	Silty Shale	623	Grey
19	Shale	642	
4	Silty Shale	646	
6	Shale	652	
1	Coal	653	
8	Shale	661	
3	Lime	664	
3	Shale	667	
4	Broken Sand	671	Light brown sand & shale, minimal oil odor, no show
18	Silty Shale	689	With lime streaks
1	Broken Sand	690	Light brown sand & shale, minimal oil show

11	Silty Shale	701	
3	Oil Sand	704	Brown, good bleed
4.5	Oil Sand	708.5	Brown, excellent bleed
1	Coal	709.5	
.5	Shale	710	
70	Shale	780	TD

Drilled an 11" hole to 30'
 Drilled a 5 5/8" hole to 780'

08/12/15 set 30' of 7" surface casing, cemented with 8 sacks of cement.

08/13/15 cored Cattleman zone.

08/13/15 set 770' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 clamp,
 1 float-shoe, and baffle.
 Baffle set at 740'.

Best perforation zone: 701'-707' (avoid coal)



3948
3869

TICKET NUMBER 49756
LOCATION Ottawa, KS
FOREMAN Cory Kennedy

PO Box 884, Chanute, KS 66720
820-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT
CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/13/15	9999	Oyster # I-1	NW 19	17	22	MU
CUSTOMER Sandstone						
MAILING ADDRESS 3236 Virginia Rd						
CITY Wellsville		STATE KS	ZIP CODE 66092			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			729	Carlson	✓	Safety Meeting
			407	Keiler	✓	
			558	Art/Mcd	✓	

JOB TYPE longstring HOLE SIZE 5 5/8" HOLE DEPTH 780' CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 740' DRILL PIPE _____ TUBING bullet - 740' OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING 30'
DISPLACEMENT 4.28 bbs DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: held safety meeting, reestablished circulation, mixed + pumped 200# gel followed by 5 bbs wash water, mixed + pumped 100 lbs 5% Portland IA cement w/ 27 gal + 1/4 # Flo Seal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to bottom, w/ 4.28 bbs wash water, pressured to 800 PSI, well held pressure for 30 min MIT, released pressure, shut in casing.

[Handwritten signature]

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	25 mi	MILEAGE	178.75	
CE07H	min	van mileage	660.00	
		trucks	2238.75	
		- 39%	912.11	
		subtotal		1426.64
578 CC5840	106 lbs	5% Portland IA	1431.00	
CC5965	378 #	Gel	113.40	
CC6025	27 #	Flo Seal	54.00	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	1643.40	
		- 39%	640.93	
		subtotal		1002.47
		8%	SALES TAX	80.20
			ESTIMATED TOTAL	2509.31

Rev 01/07

AUTHORIZATION Cory TITLE _____ DATE (4/13/62)

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.