

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

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
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:					

<div style="text-align: center;"> CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc. </div>							
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 (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water	Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	Top	Bottom

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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Form	ACO1 - Well Completion
Operator	RJ Energy, LLC
Well Name	PUGSLEY C-23
Doc ID	1672513

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9.875	7	17	20	portland	8	n/a
Production	6.25	3.5	9	879	portland	125	n/a

April 7, 1988

Kent Drilling Co.

TELEPHONE 448-3762 or 3922

GARNETT, KANSAS 66032

CALDWELL ENTERPRISES

PUGSLEY C-23

8	Soil & clay	8	6 5/8 set @ 20' & cemented to surface.
51	Lime	59	3 1/2" set @ 879.15 & cemented to surface.
158	Shale	217	
33	Lime	250	816 to 849 broken oil sand good bleed-
70	Shale	320	ing, showing gas in top & bottom sect-
52	Lime	372	ion.
8	Shale	380	
29	Lime	409	Perforate 816 to 826, 828 to 831, 834-
6	Shale	415	839, 844 to 849.
17	Lime	432	
175	Shale	607	
15	Lime	622	
20	Shale	682	
13	Lime	695	
11	Shale	706	
5	Lime	711	
22	Shale	733	
8	Lime	741	
75	Shale	816	
33	Oil sand	849	
13	Shale	862	
2	Coal	864	
23	Shale	887	T.D.

STATION <u>Ottawa</u>		OPERATOR <u>Fred Mader</u>		P.O. Box 884 Chanute, Kansas 66720 Phone (316) 431-9210		Ticket <u>13120</u>	
CONSOLIDATED OIL WELL SERVICES, INC.							
Date <u>4-7-88</u>	Customer's Acct. No. <u>1807</u>	Sec. <u>16</u>	Twp. <u>21</u>	Range <u>20</u>	Well No. & Farm <u>Pugsley # C-23</u>	Place or Destination <u>Bush City</u>	
Charge To <u>Glenn Caldwell</u>				Owner		County <u>Anderson</u>	
Mailing Address <u>Box 42</u>				Contractor <u>Kent Drilling</u>		State <u>Ks.</u>	
City & State <u>Garnett, Ks 66032</u>				Well Owner Operator Contractor			

CEMENTING SERVICE DATA											
TYPE OF JOB		CASING		HOLE DATA		PLUGS AND HEAD		PRESSURE		CEMENT LEFT IN CASING	
Surface		New		Bore Size	<u>5 5/8</u>	Bottom	<u>1-5w</u>	Circulating	<u>200</u>	Requested	
Production	<u>✓</u>	Used	<u>✓</u>	Total Depth	<u>887</u>	Top		Minimum		Necessity	
Squeeze		Size	<u>3 1/2</u>	Cable Tool		Head	<u>PL</u>	Maximum	<u>800</u>	Measured	
Pumping		Weight		Rotary	<u>✓</u>	FLOAT EQUIPMENT		Sacks Cement	<u>107</u>		
Other		Depth	<u>879'</u>					Type & Brand	<u>Portland A. 60/40 Poz</u>		
		Type	<u>SRDEUE</u>					Admixes	<u>2% Gel, 2 Gel Ahead.</u>		

FRACTURING - ACIDIZING SERVICE DATA									
Type of Job									
At Intervals of									
Breakdown Pressure from		psi to		psi					
Treating Pressures: Maximum		psi	Minimum	psi	Avg. Pump Rate	GPM/BPM	Close In	psi	
Sand		Gals. Treating Acid		Type		Open Hole Diameter			
Well Treating Through: Tubing		Casing	Annulus	Size		Weight			
Remarks:									
No. Perforations		Pay Formation Name				Depth of Job		Ft.	

CEMENTING				INVOICE SECTION				FRACTURING - ACIDIZING			
Pumping Charge				Pumping Charge				Office Use			
Pumping Charge @ <u>5401</u>				Pumping Charge @				Office Use			
<u>107</u> Sacks Bulk Cement	@	<u>1101</u>	<u>561.75</u>	12x30 Sand	@						
Ton Mileage on Bulk Cement <u>30</u>	@	<u>5401</u>	<u>113.95</u>	10x20 Sand	@						
<u>4.5x</u> Premium Gel	@	<u>301</u>	<u>27.60</u>	x Sand	@						
Flo-Seal	@			Ton Mileage	@						
Calcium Chloride	@			Gals., Acid	@						
<u>1-3 1/2</u> Plug	@	<u>4406</u>	<u>19.00</u>	Chemicals	@						
Equipment	@				@						
	@				@						
	@				@						
	@				@						
	@			Potassium Chloride	@						
	@			Rock Salt	@						
Granulated Salt	@			Water Gel	@						
Transport Truck (Hrs.)	@			Transport Truck (Hrs.)	@						
Vac Truck (<u>NO.</u> Hrs.)	@			Vac Truck (Hrs.)	@						
	@				@						
Tax			<u>30.42</u>	Tax				Tax			
Total			<u>\$1129.72</u>	Total				Total			\$

A Finance Charge computed at 1 1/4% per month (annual percentage rate of 21%) will be added to balance over 30 days.

92157

NSCO-18936