



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1275871  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1275871

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 <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			
List All E. Logs Run:				

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:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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**Operator:**  
lantha Resources, LLC  
Garnett, KS

**Poss #6I**  
Anderson Co., KS  
11-20S-20E  
API: 003-26499

<b>Spud Date:</b>	12/18/2015	<b>Surface Bit:</b>	11.0"
<b>Surface Casing:</b>	7.0"	<b>Drill Bit:</b>	5.875"
<b>Surface Length:</b>	42.8'	<b>Longstring:</b>	719.7'
<b>Surface Cement:</b>	10 sx	<b>Longstring Date:</b>	12/22/2015
<b>Longstring:</b>	2 7/8 EUE New LS		

### Driller's Log

Top	Bottom	Formation	Comments
0	2	Soil	
2	30	Clay & Gravel	
30	79	Shale	
79	106	Lime	
106	109	Shale	
109	112	Lime	
112	176	Shale	
176	187	Lime	
187	195	Shale	
195	232	Lime	
232	240	Shale	
240	260	Lime	
260	265	Shale	
265	279	Lime	
279	308	Shale	
308	317	Sandy shale	
317	320	Sand	Good odor, slight bleed to pit
320	409	Shale	
409	411	Lime	
411	419	Sand	Good odor, hard, rainbow to pit
419	435	Sandy shale	
435	448	Shale	
448	458	Lime	
458	461	Shale	

Poss #6i  
Anderson Co., KS

461	473	Lime	
473	478	Shale	
478	462	Lime	
462	495	Shale	
495	497	Coal	
497	503	Sand	
503	516	Shale	
516	518	Coal	
518	520	Shale	
520	522	Lime	
522	541	Shale	
541	545	Lime	
545	567	Shale	
567	580	Lime	
580	596	Shale	
596	600	Lime	
600	657	Shale	
657	680	Sand	See below
680	730	Shale	
<b>730</b>		<b>TD</b>	

<b>Coring</b>		
<b>Run</b>	<b>Footage</b>	<b>Rec.</b>
1		
2		

**Sand Detail**

657-664	Sand, soft, good odor, good bleed to pit
664-666	Laminated, mostly shale, slight odor
666-670	Sandy shale, slight odor
670-674	Sand, faint odor
674-676	Fair odor, slight bleed in samples
676-678	Laminated shale, no odor



**MIDWEST SURVEYS**  
 LOGGING - PERFORATING - CONSULTING SERVICES  
 P.O. Box 68, Osawatomie, KS 66064  
 913 / 755 - 2128

**GAMMA RAY / NEUTRON / CCL**

File No. Company Iantha Resources, LLC.  
 Well Poss No. 6-1

Field Garnett Shoesting  
 County Anderson State Kansas

Location Other Services

Sec. 11 Twp. 20s Rge. 20e  
 Permanent Datum GL Elevation  
 Log Measured From GL D.F. NA  
 Drilling Measured From GL

Date 12-23-2015  
 Run Number One  
 Depth Drier 730.0  
 Depth Logger 719.7  
 Bottom Logged Interval 718.7  
 Top Log Interval 20.0  
 Fluid Level Full

Type Fluid Water  
 Density / Viscosity NA  
 Salinity - PPM Cl NA  
 Max Recorded Temp NA  
 Estimated Cement Top 0.0  
 Equipment No. Location 102 Osawatomie  
 Recorded By Gary Windisch  
 Witnessed By Tom Miller

BORE-HOLE RECORD				CASING RECORD			
RUN	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	11.00"	0.0	42.80	7.00"	17.0 #	0.0	42.80
Two	5.875"	42.80	730.0	2.875"	6.5 #	0.0	719.70

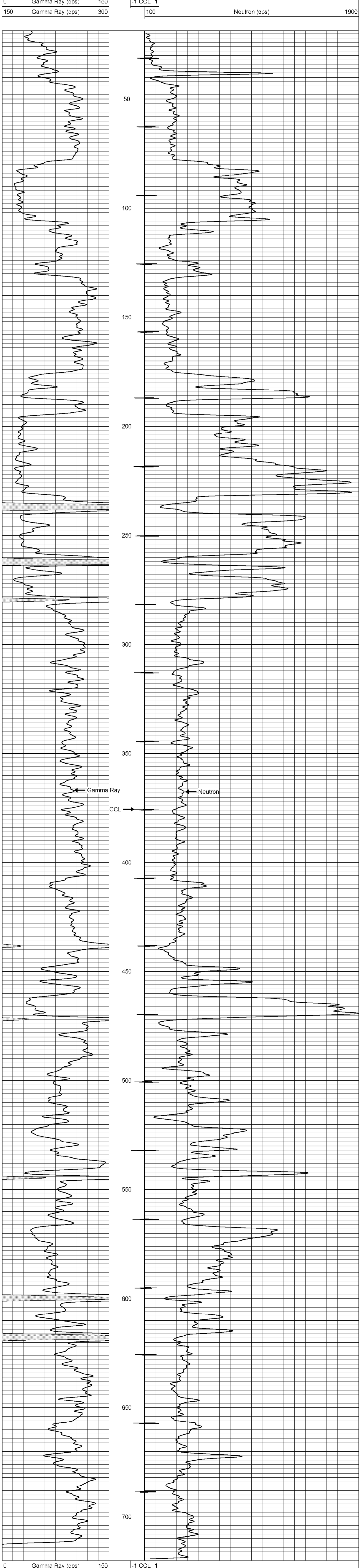
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Drilling Contractor :  
 McGown Drilling, Inc.

Database File: poss 6i.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Wed Dec 23 14:47:20 2015 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240





250 N. Water, Ste 200 - Wichita, Ks 67202

**HURRICANE SERVICES INC**

104 Prairie Plaza Parkway - Garnett, Ks 66032

Customer:	lantha Resoures LLC			Customer Name:	Tom Miller	Ticket No.:	50756		
Address:				AFE No.:		Date:	12/23/2015		
City, State, Zip:				Job type:	cement longstring ( new well )				
Service District:				Well Details:	5 5/8 hole 730 .. 2 7/8 casing @ 719				
Well name & No.:	Poss 6I			Well Location:		County:	Anderson	State:	KS
Equipment #	Driver	Equipment #	Driver	Equipment #	Hours	TRUCK CALLED		AM PM	8:00
231	Tom					ARRIVED AT JOB		AM PM	8:05
240	Troy					START OPERATION		AM PM	8:34
110	Amos					FINISH OPERATION		AM PM	9:09
111	Ben					RELEASED		AM PM	9:20
25	Joe					MILES FROM STATION TO WELL			5

Treatment Summary

Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Net Amount
p01604	50/50 Pozmix Cement	sack	121.00	\$11.30	\$1,367.30	25.00%	\$1,025.48
p01607	Bentonite Gel	lb	208.00	\$0.30	\$62.40	25.00%	\$46.80
p01607	Bentonite Gel	lb	200.00	\$0.30	\$60.00	25.00%	\$45.00
p02000	H2O	gal	3,000.00	\$0.01	\$39.00	25.00%	\$29.25
p01611	FLO-Seal	lb	25.00	\$2.15	\$53.75	25.00%	\$40.31
p01618	Pheno Seal	lb	30.00	\$1.70	\$51.00	25.00%	\$38.25
c23103	Cement Pump	ea	1.00	\$675.00	\$675.00	25.00%	\$506.25
c24001	Cement Bulk Truck - Minimum	ea	1.00	\$300.00	\$300.00	50.00%	\$150.00
C11000	Vacuum Truck 80 bbl	ea	1.00	\$84.00	\$84.00	25.00%	\$63.00
C11100	Vacuum Truck 80 bbl	ea	1.00	\$84.00	\$84.00	25.00%	\$63.00

<p>TERMS: Cash in advance unless Hurricane Services Inc has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts may pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws if such laws limit interest to a lesser amount. In the event it is necessary to employ an agency and/or attorney to affect the collection of said account, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become immediately due and owing and subject to collection.</p>	Gross: \$ 2,776.45		Net: \$ 2,007.34	
	Total Taxable	\$ -	Tax Rate: 7.650%	
	Frac and Acid service treatments designed with intent to increase production on newly drilled or existing wells are not taxable.		Sale Tax: \$ -	
			Total: \$ 2,007.34	
	Date of Service: 12/11/2015		Customer Representative: Tom Goodner	

X \_\_\_\_\_  
CUSTOMER AUTHORIZED AGENT

**Customer Comments or Concerns:**

Hurricane Services appreciates any Comments, Concerns or Criticism's from our valuable customers as Safety and Customer Satisfaction are our Number 1 goal. All Comments are confidential and will be used in a constructive manner to improve our Safety and Job Performance.

**TREATMENT REPORT**



**HURRICANE SERVICES INC**

Customer:	Iantha Resources Inc.	Date:	12/23/2015	SO#:		1286
Representative:						
Address:						
City, State:	Garnett, Kansas					
County, Zip:	Anderson					

Field Order No.:	50756	Open Holes:	5 5/8	Perf Depths (ft)	Perfs
Well Name:	Poss 6I	Casing Depth:			
Location:	Garnett	Casing Size:			
Formation:		Tubing Depth:	719		
Type of Service:	Longstring	Tubing Size:	2 7/8		
Well Type:		Liner Depth:			
Age of Well:	NEW	Liner Size:			
Packer Type:		Liner Top:			
Packer Depth:		Liner Bottom:			
Treatment Via:		Total Depth:	719		
				Total Perfs	0

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
	FLUID	N2/O2	STP	ANNULUS				
8:00am					Called Out			
8:00am					Leave Shop			
8:05am					On location with casing in the hole			
					Ran Wireline / tag TD @ 719			
					Safty Meeting			
8:20am					Rig up to 2 7/8 casing 6.4#			
8:34am	3.5		100.0		Started pumping 5bbl ahead			5.00
8:36am	3.5		100.0		Start pump down gel			8.00
8:38am	3.5		200.0		Start down with water to bring gel to surface			12.00
8:40am	3.5		200.0		Start down with 4bbl of dye water			4.00
					Start mixing 50/50 2% 121sx @ 14.2ppg			
8:42am	4.0		200.0		Cement up to weight started it down behind dye			27.00
8:52am					Flush pump and lines			
8:54am	3.0		200.0		Pump down plug			3.50
8:56am			1,220.0		Plug landed			
					Start MIT			
9:11am			1,250.0		End MIT / Clean up truck and flush out lines			
					6 bbl of good cement to surface			
TOTAL:						-	-	69.50

**SUMMARY**

Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI
4.0	1.5 bpm	1,250.0	750.0

**PRODUCTS USED**

121sx 50/50 2% gel / .25 Pheno seal

Treater: Tom Goodner

Customer: Iantha Resources LLC



