



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1321224  
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: \_\_\_\_\_

1321224

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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3613A Y Road  
 Madison, KS 66860  
 Ph: 620-437-2661  
 Fax: 620-437-2881



104 Prairie Plaza Parkway  
 Garnett, KS 66032  
 Ph: 785-448-3100  
 Fax: 785-448-3102

FED ID# 48-1214033  
 MC ID# 165290

Remit to: Hurricane Services, Inc.  
 250 N. Water, Suite 200  
 Wichita, KS 67202

Customer:  
 IANTHA RESOURCES LLC  
 21517 NW 1650 RD  
 GARNETT, KS 66032

Invoice Date: 9/15/2016  
 Invoice #: 0023873  
 Lease Name: MINKLEY  
 Well #: 1-A  
 County: ANDERSON

Date/Description	HRS/QTY	Rate	Total
Ticket 100801 Longstring	0.000	0.000	0.00
Cement pump	1.000	675.000	675.00
Bulk truck #202	1.000	300.000	300.00
Cement Pozmix 50/50	129.000	11.300	1,457.70 T
Bentonite Gel	517.000	0.300	155.10
Pheno Seal	33.000	1.700	56.10
80bbl Vac truck 110	1.000	84.000	84.00
City water	3,000.000	0.013	39.00
Top rubber plug 2 7/8"	1.000	30.000	30.00 T
Bid price	1.000	371.920-	371.92-T
Bid price	1.000	349.800-	349.80-

Net Invoice 2,075.18  
 Sales Tax: (8.00%) 89.27  
**Total** 2,164.45

All invoices are due upon receipt. Interest at the rate of 1 1/2% per month may be charged on all invoices not paid within 30 days from date of invoice.

**WE APPRECIATE YOUR BUSINESS!**





**HURRICANE SERVICES INC**

Customer:	IANTHA RESOURCES	Date:	9/15/2016	SO#:		1286
Representative:	CHRIS McGOWN					
Address:						
City, State:						
County, Zip:						

Field Order No.:	100801	Open Hole:		Perf Depths (ft)	Perfs
Well Name:	MINKLEY 1-A	Casing Depth:	761		
Location:	COLONY, KS	Casing Size:	2 7/8		
Formation:		Tubing Depth:			
Type of Service:	LONGSTRING	Tubing Size:			
Well Type:		Liner Depth:			
Age of Well:	Oil	Liner Size:			
Packer Type:		Liner Top:			
Packer Depth:		Liner Bottom:			
Treatment Via:	Tubing	Total Depth:	761		
				<b>Total Perfs</b>	<b>0</b>

TIME	INJECTION RATE		PRESSURE		REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
	FLUID	N2/CO2	STP	ANNULUS				
8:00 AM					Called Out			
10:30 AM					On Location With Trucks			
					Hold Safety Meeting Spot & Set Up Trucks			
10:45 AM					Hook Up To Tubing			
			50.0		BREAK CIRCULATION			5.00
			100.0		MIX AND PUMP GEL SWEEP			12.00
			100.0		PUMP WATER TO BRING GEL TO SURFACE			5.00
			100.0		PUMP 4 BBLS DYED WATER			4.00
			200.0		MIX AND PUMP CEMENT			28.25
			50.0		WASH PUMP AND LINES			5.00
			200.0		DISPLACE			4.41
11:15 AM			1,000.0		BUMP PLUG			
					SHUT IN WELL			
					WASH UP PUMP			10.00
					RIG DOWN			
TOTAL:						-	-	73.66

**SUMMARY**

Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI
-	#DIV/0!	1,000.0	225.0

**PRODUCTS USED**

129 Sacks 50:50+2%GEL+1/4# PHENO SEAL

Treater: JAKE HEARD

Customer: CHRIS McGOWN



**Operator:**  
lantha Resources, LLC  
Garnett, KS

**Minckley #1A**

Anderson Co., KS  
3-23S-19E  
API: 003-26536

<b>Spud Date:</b>	9/12/2016	<b>Surface Bit:</b>	9.875"
<b>Surface Casing:</b>	7.0"	<b>Drill Bit:</b>	5.875"
<b>Surface Length:</b>	22.4'	<b>Longstring:</b>	750.4'
<b>Surface Cement:</b>	5 sx	<b>Longstring Date:</b>	9/13/2016
<b>Longstring:</b>	2 7/8 EUE API		

**Driller's Log**

<b>Top</b>	<b>Bottom</b>	<b>Formation</b>	<b>Comments</b>
0	2	Soil	
2	12	Sand Stone	
12	17	Shale	
17	24	Sandy Shale	
24	121	Shale	
121	156	Lime	
156	182	Shale	
182	188	Lime	Shaley
188	196	Lime	
196	220	Shale	
220	292	Lime	
292	297	Shale	
297	330	Lime	
330	370	Shale	
370	381	Sandy Shale	
381	473	Shale	
473	483	Lime	
483	506	Shale	
506	526	Lime	
526	530	Shale	
530	540	Lime	
540	543	Bl. Shale	
543	601	Shale	
601	603	Coal	

Minckley #1A  
Anderson Co., KS

603	613	Shale	
613	617	Lime	
617	631	Shale	
631	634	Lime	
634	635	Coal	
635	653	Shale	
653	668	Lime	
668	677	Shale	
677	692	Lime	
692	696	Bl. Shale	
696	704	Lime	
704	705	Coal	
705	708	Shale	Muddy
708	718	Sand	See below, good oil show
718	720	Shale	w/some sand, poor show
720	762	Shale	
<b>762</b>		<b>TD</b>	

**Sand Detail**

708-712	Dark sand, good free oil, some shale, good bleed
712-715	Good sand, very well saturated with free oil, good odor
715-718	Some shale w/the sand, sand is good quality, good free oil
718-720	Mostly shale, some sand, sand has free oil, weaker odor