KOLAR Document ID: 1322016

Confiden	tiality Re	quested:
Yes	No	

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 January 2018 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

		DECODIDEIO		
WELL	HISTORY	- DESCRIPTIO	N OF WELL	& LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
Oil WSW SWD Gas DH EOR	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #: GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East _ West
Recompletion Date Reached TD Completion Date of Recompletion Date	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 Drill Stem Tests Received				
Geologist Report / Mud Logs Received				
UIC Distribution				
ALT I II III Approved by: Date:				

KOLAR Document ID: 1322016

Operator Nam	ne:			Lease Name:	Well #:
Sec	Twp	S. R	East West	County:	

Page Two

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 (Attach Additional Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c] Ne	w Used rmediate, productio	on. etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sacks Use	d		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fracture 	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole		-	·	nit ACO-4)	юр	Bollom
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Iantha Resources LLC
Well Name	MINCKLEY 2J
Doc ID	1322016

Casing

	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9.875	7	35	22	Portland	6	0
Production	5.875	2.875	8.7	751	Poz 50/50 mix	125	3.2



Operator: lantha Resources, LLC Garnett, KS

Minckley #2J

Anderson Co., KS 4-23S-19E API: 003-26568

Spud Date:	11/2/2016	Surface Bit:	9.875"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	22.4'	Longstring:	751.35'
Surface Cement:	6 sx	Longstring Date:	11/4/2016
Longstring:	2 7/8 EUE New API		

		Driller's Log
Тор	Bottom	Formation Comments
0	2	Soil
2	12	Clay
12	15	Gravel
15	49	Shale
49	52	Lime
52	101.5	Shale
101.5	109	Lime
109	111	Shale
111	140	Lime
140	155	Shale
155	166	Sandy Shale
166	170	Bl. Shale
170	179	Lime
179	196	Shale
196	207	Shale
207	271	Lime
271	276	Shale
276	297	Lime
297	301	Shale
301	318	Lime
318	321	Shale
321	326	Lime
326	494	Shale
494	501	Lime

		М	inckley #2J
		And	erson Co., KS
501	517	Shale	
517	528	Lime	582-590 Good bleed to pit, good odor
528	531	Shale	
531	538	Lime	
538	547	Shale	
547	569	Sand	w/sandy shale
569	588	Sand	No show
588	590	Coal	
590	596	Shale	
596	608	Lime	
608	613	Shale	
613	627	Lime	
627	641	Shale	
641	661	Lime	
661	666	Shale	Limey
666	692	Shale	
692	694	Coal	
694	697	Shale	Muddy
697	711	Sand	Good oil show, see below
711	762	Shale	
762		TD	

Sand Detail

697-698	Sand w/shale, fair oil show
698-700	Sand w/shale, fair oil show, fair bleed, better than above
700-704	Sand, good odor, dark brown, good bleed
704-706	Sand, small amount shale, good oil show
706-708	Sand w/more shale, still showing good oil
708-710	Sand, less shale, good oil show, strong odor & saturation
710-711	Sand w/more shale, still showing oil
711-712	Muddy shale, no oil show

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

HOI

HURRICANE SERVICESINC

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

441710040

In the Date

FED ID# 48-1214033 MC ID# 165290

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

Customer:

ousionici.	Invoice Date:	11/7/2016			
IANTHA RESOURCES LLC	Invoice #:		0024704		
21517 NW 1650 RD	Lease Name:	MINCKLEY			
GARNETT, KS 66032	Well #:				
	County:	AN	IDERSON		
Date/Description	HRS/QTY	Rate	Total		
Ticket 100822 Longstring	0.000	0.000	0.00		
Cementer #230	1.000	790.000	790.00		
Bulk trailer #250	1.000	300.000	300.00		
Cement Pozmix 50/50	125.000	11.300	1, 412 .50 T		
Bentonite Gel	510.000	0.300	153.00		
Pheno Seal	32.000	1.700	54.40		
Top rubber plug 2 7/8"	1.000	30.000	30.00 T		
City water	2,772.000	0.013	36.04		
Transport #146	2.000	105.000	210.00		
Bid price	1.000	360.620-	360.62-T		
Bid price	1.000	442.120-	442.12-		

Net Invoice	2,183.20
Sales Tax: (8.00%)	86.55
Total	2,269.75

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!



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

HURRICANE SERVICES INC

104 Prairie Plaza Parkway - Garnett, Ks 66032

statectary based in 17538980.0		##*******************************	0 Deres	HURKICAN	E SEKVI	CES INC					
Custemer	IANTHA RESOURCES				stomer Namer	CHRIS MCGC	OWN		Ticket No.: 100822		
Address:					AFE No.1	Date: 11/7/2016					
City, State, Zip:					Job type	LONGSTRING					
Service District:	GARNETT, KANSAS			Well Details:			And an of the Association of the As				
Wellmame & No.	MINCKLE	Y #2-J			Well Lecation:	COLONY	County:	ANDERSON	States	KANS	AS
Equipment #	Driver	Equipment #	Driver	Equipment #	Driver	TRUCK CALL	Lange and the second data	ANDENOON		AM PM	TIME
25	JAKE					ARRIVED AT				AM	2:35
28	TODD					START OPER				AM PM	
230	RON					FINISH OPER	RATION			AM PM	
147-250	BILLY					RELEASED				AM PM	3:30
146-156	PETE		- e		eatment Su	MILES FROM	STATION T	O WELL		nd tananana	
Product/Service Code	Description				Unit of Measure	Quantity	List Price/Unit	Gross Amount			Net Amour
23002	Cement P				ea	1.00	\$675.00	\$675.00			\$506.2
25001	1	ulk Trailer - Min	imum		ea	1.00	\$300.00	\$300.00			\$225.0
P01604	50/50 Poz	mix Cement			sack	125.00	\$11.30	\$1,412.50			\$1,059.3
01607	Bentonite	Gel			lb	210.00	\$0.30	\$63.00			\$47.3
01607	Bentonite	Gel			lb	300.00	\$0.30	\$90.00		<u></u>	\$45.0
01618	Pheno Sea				lb	32.00	\$1.70	\$54.40			\$40.8
01631	Rubber Pl	ug 2 7/8			ea	1.00	\$30.00	\$30.00			\$22.0
202000 215600	H2O Transports	150 661			gal hr	2,772.00	\$0.01 \$105.00	\$36.04			\$27.0 \$210.0
	ļ							 			
						<u> </u>	<u> </u>				
				- <u></u>			1				
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 ½% per month or the maximum allowable by applicable state or federal laws if such taws fimit 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			Frac and Acid	I Taxable service treatments d	\$ -	\$ 2,870.94 Tax Rate		\square	2,183.2		
uch collection. In the e	event that Custon	mer's account with HS	il becomes deli	inquent, HSI has the	to increase	production on newly o wells are not taxab			Total:	1	2,183.
NAMES AND ADDRESS OF ADDRESS ADDRE	ice price withou	eviously applied in arri t discount will become	immediately d	iue and owing and		Date of Service		11/7/2016		Loinneo	
evocation, the full invo	evocation, the full invoice price without discount will become immediately due and owing and subject to collection. Authorization below acknowledges receipt and acceptance of all terms and conditions including the Standard Terms of Sale.										
evocation, the full invo ubject to collection. A											
evocation, the full invo subject to collection. A condition's including the								er ane and a second			
evocation, the full invo	e Standard Term		ENT.			SI Representative er Representative		HRIS MCGO			

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 RES	OURCES		Date:	11/7/2016	Ticket No.:	100	822
Field Rep:	CHRIS MCGC	OWN						
Address:								
City, State:								
County, Zip:			L					
Fi	eld Order No.:		1	Open Hole:	762' 5 7/8" HOLE	Perf De	pths (ft)	Perfs
	Well Name:	MINCK	LEY 2-J	Casing Depth:		-		
	Location:			Casing Size:				
	Formation:			Tubing Depth:	750'			
ту	pe of Service:	LONG	STRING	Tubing Size:	2 7/8"			
	Well Type:	0	IL	Liner Depth:				
	Age of Well:	N	EW	Liner Size:				
	Packer Type:			Liner Top:				
1	Packer Depth:			Liner Bottom:				
т	reatment Via:	CAS	SING	Total Depth:				100 U 100
				« •			Total Perfs	0
-								
TIME	INJECTIC FLUID	N RATE N2/CO2	PRES STP	SURE ANNULUS	REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbis)
2:35 PM				ON LOCATION				
	The second second			SAFETY MEETIN	IG SPOT IN RIG UP			
			50.0	BREAK CIRCUL	ATION			1.50
		·····	150.0	MIX AND PUMP	GEL SPACER			9.00
			100.0	PUMP WATER			1	10.00
			100.0	MIX AND PUMP	DYED WATER			4.00
			150.0	MIX AND PUMP	130 SX CEMENT			16.39
				STOP				
				WASH PUMP AN	ID LINES			10.00
				DROP PLUG				
			300.0	DISPLACE			L	4.34
3:10 PM			1,200.0	BUMP PLUG				
			500.0	RELEASE PRES	SURE			
				WASH UP PUM	>			10.00
3:20 PM				RIG DOWN	and the state of the			<u> </u>
							ļ	<u></u>
								ļ
					te sublementari dati transferi de de de de de se			
						TOTAL:	<u> </u>	65.23

SUMMARY Avg PSI 318.8 Avg Fl. Rate #DIV/0! Max PSI 1,200.0 Max FI. Rate

PRODUCTS USED

125 SACKS 50:50 + 2% GEL + .25 LB/SX PHENOSEAL

Treater: JAKE / TODD

Customer: CHRIS MCGOWN