KOLAR Document ID: 1321226

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: 1321226

Operator Nar	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 2A
Doc ID	1321226

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	749	Poz 50/50 mix	130	3.2



Operator: lantha Resources, LLC Garnett, KS

Minckley #2A

Anderson Co., KS 3-23S-19E API: 003-26537

Spud Date:	9/20/2016	Surface Bit:	9.875"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	22.3'	Longstring:	749.0'
Surface Cement:	6 sx	Longstring Date:	9/22/2016
Longstring:	2 7/8 EUE API		

		Driller's	s Log
Тор	Bottom	Formation	Comments
0	2	Soil	
2	14	Clay	
14	19	Sand	Hard
19	54	Shale	
54	58	Lime	
58	116	Shale	
116	147	Lime	
147	167	Shale	
167	185	Shale	Limey
185	188	Lime	
188	199	Bl. Shale	
199	209	Lime	
209	213	Shale	
213	274	Lime	
274	278	Bl. Shale	
278	301	Lime	
301	308	Shale	
308	324	Lime	
324	366	Shale	
366	370	Sand	
370	460	Shale	
460	465	Lime	
465	486	Shale	
486	496	Shale	Hard

		Minckl	ey #2A
400	500	Anderso	n Co., KS
496	508	Lime	
508	518	Shale	
518	524	Lime	
524	536	Shale	
536	539	Lime	
539	542	Shale	
542	548	Lime	
548	570	Shale	
570	586	Sandy Shale	
586	595	Shale	
595	604	Lime	
604	619	Shale	
619	626	Lime	
626	641	Shale	
641	652	Lime	
652	670	Shale	
670	676	Lime	
676	678	Shale	
678	680	Bl. Shale	
680	684	Shale	
684	689	Lime	
689	692	Bl. Shale	
692	695	Shale	Muddy
695	696	Bl. Shale	
696	703	Sand	Good oil show, see below
703	716	Sandy Shale	
716	762	Shale	
762		TD	

Sand Detail

696-703 Good sand, a few shale lenses, well saturated with free oil, good gas saturation.

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: Invoice #: Lease Name: Well #: County:	A	9/22/2016 0023888 MINKLEY 2-A NDERSON
Date/Description	HRS/QTY	Rate	Total
Ticket 100679 Longstring	0.000	0.000	0.00
Cement pump	1.000	675.000	675.00
Bulk truck #242	1.000	300.000	300.00
Cement Pozmix 50/50	130.000	11.300	1,469.00 T
Bentonite Gel	518.000	0.300	155.40
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	374.750-	374.75-T
Bid price	1.000	349.870-	349.87-

Net Invoice	2,083.88
Sales Tax: (8.00%)	89.94
Total	2,173.82

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

104 Prairie Plaza Parkway - Garnett, Ks 66032

	,	,	Н	UKKICAN	E SERVI	CES INC						
Customer	IANTHA R	ESOURCES			stomer Name:	CHRIS McGO	WN	Ticket No.:			79	
Address:					AFE No.:	Date: 9/22/20			9/22/2016	/2016		
City, State, Zip:					Job type							
Service District:	Garnett,K	s.			Well Details:	3/23S/19E						
Well name & No.	MINKLEY #2-A				Well Location:	COLONY	County:	ounty: ANDERESON State:			Kansas	
Equipment #	Driver	Equipment #	Driver	Equipment #	Driver	the second s	RUCK CALLED			AM PM	9:00 AM	
28	Todd					ARRIVED AT JOB					9:45	
230	Ron					START OPERATION					10:57	
242	Ben					FINISH OPERATION					11:37	
109	Danny					RELEASED MILES FROM	STATION T) WELL		AM PM	<u>11:50</u> 2	
				Tre	atment Su	and the second	STATION IN					
Product/Service					Unit of		List	Gross				
Code	Description				Measure	Quantity	Price/Unit	Amount			Net Amount	
220103	Cement P	ump			ea	1.00	\$675.00	\$675.00			\$506.25	
20103		Ton Mile Charg	e		ea	1.00	\$300.00	\$300.00			\$225.00	
201604		mix Cement			sack	130.00	\$11.30	\$1,469.00			\$1,101.7	
201607	Bentonite	Gel			lb	218.00	\$0.30	\$65.40			\$49.0	
P01607	Bentonite	and the state of t			lb	300.00	\$0.30	\$90.00			\$45.0	
P01618	Pheno Se				lb	33.00	\$1.70	\$56.10			\$42.0	
C11000		ruck 80 bbl			ea	1.00	\$84.00	\$84.00 \$39.00			\$63.0 \$29.2	
P02000 P01631	H2O Rubber Pl	ug 2 7/8			gal ea	3,000.00	\$0.01 \$30.00	\$39.00			\$29.2	
-01031		ug 2 110										
	+											
											······	
TERMS: Cash in adv	ance unless Hu	rricane Services Inc h	as approved credi	t prior to sale.				A 0.000 F0	N-4		0.000.0	
The date of invoice. Past due 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							\$ 2,808.50	Net:	-	2,083.8		
%% 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					Total Taxable \$ - Frac and Acid service treatments designed with intent			Tax Rate:				
					to increase production on newly drilled or existing						-	
ndirectly incurred for	delinguent. HSI has the right to revoke any and all discounts previously applied in arriving at net				Totai. \$ 2,000.00							
ndirectly incurred for delinguent, HSI has t	evocation the fi	invoice price. Upon revocation, 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.			Date of Service: 9/22/2016							
ndirectly incurred for delinquent, HSI has t nvoice price. Upon re due and owing and se	ubject to collecti	on. Authorization belo	ard Terms of Sale	receipt and		HSI Representative: Todd Seba						
ndirectly incurred for delinquent, HSI has t invoice price. Upon re due and owing and so	ubject to collecti	on. Authorization belo	ard Terms of Sale		+	ISI Representative						
indirectly incurred for delinquent, HSI has t invoice price. Upon re due and owing and se	ubject to collecti ns and conditior	on. Authorization belo	ard Terms of Sale			ISI Representative		Todd Seba HRIS McGOV	VN			

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 RESC	URCES	,	Date:	9/22/2016	SO#:	1286	
Representative:	CHRIS McGO	WN						
Address:								
City, State:								
County, Zip:								
******						ann ann à ann a bhairtean airtean an ann an an an airtean ann an an an airtean ann an an an an an an an an an a		a postal alcordo de la sua ferra
Fie	ld Order No.:	100	679	Open Hole:		Perf D	epths (ft)	Perfs
	Well Name:	MINKL		Casing Depth:	750'			
	Location:	COLON	NY, KS	Casing Size:	2 7/8			
	Formation:			Tubing Depth:				
Тур	e of Service:	LONGS	TRING	Tubing Size:				
	Well Type:			Liner Depth:				
	Age of Well:	0	il	Liner Size:				
	Packer Type:			Liner Top:				
	acker Depth:			Liner Bottom:				
Tr	eatment Via:	Tub	oing	Total Depth:	761			
							Total Perfs	0
	INJECTIO		PRESS			PROP	HCL	FLUID
TIME	FLUID	N2/CO2	STP	ANNULUS	REMARKS	(lbs)	(gls)	(bbls)
9:00 AM	[Called Out				
9:45 AM				On Location Wit	h Trucks			
				Hold Safety Mee	ting Spot & Set Up Trucks			
				nord ourory more	ting oper a set op Tracks			
10:15 AM				Hook Up To Tut				
10:15 AM	2.0		50.0		ing			5.
10:15 AM			50.0 100.0	Hook Up To Tut BREAK CIRCUL MIX AND PUMP	ing ATION GEL SWEEP			
10:15 AM	2.0			Hook Up To Tub BREAK CIRCUL MIX AND PUMP PUMP WATER T	ing ATION GEL SWEEP O BRING GEL TO SURFACE			12. 5.
10:15 AM	2.0 2.0		100.0	Hook Up To Tut BREAK CIRCUL MIX AND PUMP	ing ATION GEL SWEEP O BRING GEL TO SURFACE			12. 5. 4.
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10:15 AM	2.0 2.0 2.0 2.0 2.0 2.0 2.0		100.0 100.0 100.0	Hook Up To Tut BREAK CIRCUL MIX AND PUMP PUMP WATER 1 PUMP 4 BBLS D MIX AND PUMP WASH PUMP A	ing ATION GEL SWEEP O BRING GEL TO SURFACE YED WATER CEMENT			12. 5. 4. 29. 5.
10:15 AM	2.0 2.0 2.0 2.0 2.0 2.0		100.0 100.0 200.0 50.0 200.0	Hook Up To Tub BREAK CIRCUL MIX AND PUMP PUMP WATER 1 PUMP 4 BBLS D MIX AND PUMP WASH PUMP AP DISPLACE	ing ATION GEL SWEEP O BRING GEL TO SURFACE YED WATER CEMENT			12. 5. 4. 29. 5.
10:15 AM	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0		100.0 100.0 100.0 200.0 50.0	Hook Up To Tub BREAK CIRCUL MIX AND PUMP PUMP WATER T PUMP 4 BBLS D MIX AND PUMP WASH PUMP AP DISPLACE BUMP PLUG	ing ATION GEL SWEEP O BRING GEL TO SURFACE YED WATER CEMENT			12. 5. 4. 29. 5.
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PRODUCTS USED

 SUMMARY

 Max Fl. Rate
 Avg Fl. Rate
 Max PSI
 Avg PSI

 2.0
 2.0
 1,000.0
 225.0

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

Customer: CHRIS McGOWN

Treater:

,

Todd Seba

TREATMENT REPORT



TIME	INJECTI FLUID	ON RATE N2/CO2	PRES STP	SURE ANNULUS	REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
11:55 AM					0///			
11.00 AW					Off Location Thank You			
					Please Call Again			
					Todd Ron Ben Danny			

					age is calculated in the summary and lately an energy d			

Activity provided on this page is calculated in the summary and totals on page 1