KOLAR Document ID: 1321451

Confidentiality Requested:

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 WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	SecTwpS. R East
Address 2:	Feet from North / South Line of Section
City: State: Zip:	_+ Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	NE NW SE SW
CONTRACTOR: License #	
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workove	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
☐ CM (Coal Bed Methane) ☐ Cathodic ☐ Other (Core, Expl., etc.):	·
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	
Well Name:	
Original Comp. Date: Original Total Depth:	
	onv. to SWD Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Co	Drining Fluid Management Flair
Committed Branch #	Chloride content:ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #: SWD Permit #:	
EOR Permit #:	The second secon
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion	QuarterSecTwpS. R East West
Recompletion Date Recompletion	

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 Approved by: Date:

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Page Two

Operator Name:					Lease Nam	ne:			Well #:			
Sec Tw	pS	S. R	Eas	t West	County:							
	l, flowing an	d shut-in press	sures, wh	ether shut-in pre	ssure reached	static	level, hydrostat	ic pressures, bo		val tested, time tool erature, fluid recovery,		
Final Radioactivi files must be sub							gs must be emai	led to kcc-well-l	ogs@kcc.ks.gov	v. Digital electronic log		
Drill Stem Tests (Attach Addit	Taken tional Sheets)			Yes No		☐ Lo		n (Top), Depth a		Sample		
Samples Sent to	Geological	Survey		Yes No		Name			Тор	Datum		
Cores Taken Electric Log Run Geologist Report List All E. Logs F	t / Mud Logs	S		Yes No Yes No Yes No								
			Rep	CASING	RECORD [New		on, etc.				
Purpose of St	tring	Size Hole Drilled		ize Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
				ADDITIONAL	CEMENTING /	SQUE	EEZE RECORD		<u>'</u>			
Purpose: Perforate		Depth Top Bottom	Тур	Type of Cement # Sacks Use			red Type and Percent Additives					
Protect Ca												
Plug Off Z												
Did you perform Does the volume Was the hydraul	e of the total I	base fluid of the	hydraulic f	racturing treatment		-	Yes S? Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three			
Date of first Produ Injection:	iction/Injection	n or Resumed Pr	roduction/	Producing Meth	od:		Gas Lift O	ther <i>(Explain)</i>				
Estimated Product Per 24 Hours		Oil	Bbls.		Mcf	Water			Gas-Oil Ratio Gr			
DISPO	OSITION OF	GAS:		N	METHOD OF CO	MPLET	ΓΙΟΝ:			ON INTERVAL:		
Vented		Used on Lease		Open Hole		Dually (Submit A		nmingled	Тор	Bottom		
,	ed, Submit AC							·				
Shots Per Foot	Perforation Top	on Perfor Bott		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze and of Material Used)			
TUBING RECORI	D: S	ize:	Set At	:	Packer At:							

Form	ACO1 - Well Completion
Operator	lantha Resources LLC
Well Name	MINCKLEY 4 INJ.
Doc ID	1321451

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		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	124	3.2



Operator:

lantha Resources, LLC Garnett, KS

Minckley #4 Inj.

Anderson Co., KS 3-23S-19E API: 003-26544

 Spud Date:
 9/28/2016
 Surface Bit:
 9.875"

 Surface Casing:
 7.0"
 Drill Bit:
 5.875"

 Surface Length:
 22.3'
 Longstring:
 749.45'

 Surface Cement:
 6 sx
 Longstring Date:
 9/30/2016

Longstring: 2 7/8 EUE API

Driller's Log

		D 111101 0	-09
Top	Bottom	Formation	Comments
0	2	Soil	
2	12	Clay	
12	15	Shale	
15	59	Sandy Shale	
59	61	Lime	
61	114	Shale	
114	152	Lime	
152	167	Shale	
167	178	Sandy Shale	
178	179	Coal	
179	185	Shale	
185	193	Lime	
193	224	Shale	
224	285	Lime	
285	290	Bl. Shale	
290	297	Shale	
297	311	Lime	
311	316	Bl. Shale	
316	336	Lime	
336	339	Shale	
339	343	Lime	
343	509	Shale	
509	519	Lime	
519	530	Shale	

Minckley #4 Inj. Anderson Co., KS 530 541 Lime 541 579 Shale 579 Sand Grey 590 590 Shale 608 608 622 Lime 622 632 Shale 632 636 Lime 636 638 Coal 638 656 Bl. Shale 656 664 Lime 664 684 Shale 684 Lime 688 688 699 Bl. Shale 699 702 Lime Bl. Shale 702 706 Coal 706 708 708 712 Shale Muddy 712 720 Sand Broken, good odor 720 762 Sandy Shale

TD

Sand Detail

762

712-714	Sand w/shale, good odor, broken sand, fair show in samples
714-718	Broken sand, quite a bit of shale, fair to good show & odor
718-720	Dark sand w/some shale, less odor, not as much show
720-722	Mostly shale, scattered sand pieces, no odor

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

FED ID# 48-1214033 MC ID#

165290

HURRICANE SERVICES INC

104 Prairie Plaza Parkway Garnett, KS 66032

Ph: 785-448-3100 Fax: 785-448-3102

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 #: 9/30/2016 0024143 MINKLEY

Lease Name: Well#: County:

4 INJ **ANDERSON**

Date/Description	HRS/QTY	Rate	Total
Ticket 100808 Longstring	0.000	0.000	0.00
Pump truck #201	1.000	675.000	675.00
Bulk truck #202	1.000	300.000	300.00
Cement Pozmix 50/50	124.000	11.300	1,401.20 T
Bentonite Gel	534.000	0.300	160.20
Pheno Seal.	31.000	1.700	52.70
80bbl Vac Truck #109	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	357.800-	357.80-T
Bid price	1.000	350.220-	350.22-

Net Invoice 2,034.08 Sales Tax: (8.00%) 85.87

2,119.95 Total

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. Wa	iter, Ste 200	- Wichita, Ks (67202 H	URRICA	NE SERV	ICES INC	104 P	Prairie Plaza P	arkway - Gi	ırnett, K	s 66032
Customer	IANTHA F	RESOURCES		**********	stomer Name	"CHRIS MCG	OWN	Tigket No		1008	08
Address:					AFE No			Dat	9/30/201	6	
City, State, Zip:					Job typ	LONGSTRING					
Service District:	MADISON	I, KANSAS			Well Details	s:					
Well name & No.	MINKLEY	#4 INJECTION	1		Well Location	COLONY	County	ANDERSON	State	KANS	AS
Equipment #	Driver	Equipment #	Driver E	Equipment #		TRUCK CAL		TANDERSON		AM	TIME
25	JAKE			- cjanpinone ii		ARRIVED AT				AM AM	1:00
201	JERRY					START OPE				AM PM	1:15
202	KEVIN		FINISH OPERATION							AM PM	1:45
109	BILLY					RELEASED	W 111 - 11			AM PM	2:30
						MILES FROM	A STATION T	TO WELL		1	2
				T	reatment S	ummary	TOWN THE PARTY AND THE PERSON NAMED IN	***************************************	*****************	**********	**************
ARRIVE ON LOG GEL AROUND, I 4.5 BBL FRESH	PUMP 3 BE	BL DYED WATE	ER, MIX AND	PUMP 124	SACKS C IN. RELEA	EMENT. STOR	P. WASH PU E. SHUT IN V	JMP AND LIN WELL. RIG D	ES. DROP	PLUG. D	DISPLACE
Product/Service Code	Description				Unit of Measure	Quantity	List Price/Unit	Gross Amount			Net Amount
C20103	Cement Pu	ımp	建筑的地位的基本人的企业		ea	1.00	\$675.00	\$675.00	TO SECURE A SECURE ASSESSMENT		\$506.25
C00104		on Mile Charge			ea	1.00	\$300.00	\$300.00			\$225.00
P01604	50/50 Pozr	nix Cement			sack	124.00	\$11.30	\$1,401.20			\$1,050.90
P01607	Bentonite (Gel			lb	234.00	\$0.30	\$70.20			\$52.65
P01607	Bentonite (Gel			lb	300.00	\$0.30	\$90.00			\$45.00
P01618	Pheno Sea	1			lb	31.00	\$1.70	\$52.70			\$39.53
C10900	Vacuum Tr	uck 80 bbl			hr	1.00	\$84.00	\$84.00			\$63.00
P02000	H2O				gal	3,000.00	\$0.01	\$39.00			\$29.25
P01631	Rubber Plu	g 2 7/8			ea	1.00	\$30.00	\$30.00			\$22.50
IEDMS-Cost in dataset											
TERMS: Cash in advance erms of sale for approved of invoice, Past due accou	d accounts are to	otal invoice due on or	before the 30th day	y from the date			Gross:	\$ 2,742.10	Net:	\$	2,034.08
month or the maximum al	lowable by appli	cable state or federal	laws if such laws l	imit interest to a		Taxable	\$ -	Tax Rate:	7.150%	_	>
esser amount, In the aver collection of said account,						ervice treatments de reduction on newly dr			Sale Tax:	\$	•
uch collection. In the eve ight to revoke any and all	nt that Custome	r's account with HSI b	ecomes delinquen	I, HSI has the	P.	wells are not taxable			Total:	\$	2,034.08
evocation, the full invoice	price without di	scount will become in	nmediately due and	owing and		Date of Service:	9/30/2016			-	
ubject to collection. Auth anditions including the St			and acceptance o	all terms and	HS	I Representative:		JAKE HEARD	····		
X					WEST 00001000	r Representative:	77.00	HRIS MCGOW			
	CUSTOM	ER AUTHORIZED AGEN	IT		3330000						
	Custo	mer Comm	ents or Co	ncerns:	- draint Albert with Post		Account of the Co. Swifter or an extension			THE PARTY NAMED IN	
And the second s				and make the same of							



HURRICANE SERVICES INC

Customer:	: IANTHA RESOURCES		Date:	Date: 9/30/2016 Ticket No.: 100						
Field Rep:	CHRIS MCG	OWN					-			
Address:										
City, State:										
County, Zip:										
				1	-		7	a management of the second	and the second s	
Fi	ield Order No.:		808		Open Hole:	5 7/8" 762'	-	Perf De	pths (ft)	Perfs
	Well Name:	MINKLE			Casing Depth:					
	Location:	COLO	VY, KS		Casing Size:		-			
	Formation:				Tubing Depth:	749.45'	-			
Ту	pe of Service:	LONGS	TRING		Tubing Size:	2 7/8"	-			
	Well Type:		-144		Liner Depth:		-			
	Age of Well:	NE	: VV		Liner Size:		-			
	Packer Type:				Liner Top:		-			
	Packer Depth:	TUB	ING		Total Depth:		-			
	reatment Via:		ING		Total Depth:				Total Perfs	0
									rotai r tria	
建筑是10%	INJECTIO	N RATE	PRES				100000000000000000000000000000000000000	PROP	HCL	FLUID
TIME	FLUID	N2/GO2	STIP	ANNULUS	al Change in the	REMARKS		(lbs)	(gls)	(bbls)
1:00 PM					ARRIVE ON LOC					
					SAFETY MEETIN	G				
					SPOT IN RIG UP					
1:15 PM			450.0		HOOK UP TO TU	BING				
	2.0		150.0		PUMP WATER	NC1				2.00
	2.0		150.0		MIX AND PUMP O					9.00
	2.0		150.0 150.0		MIX AND PUMP D	BRING GEL AROUND				3.00
	2.0		400.0			EMENT 124 SACKS				27.16
	2.0		400.0		STOP	CHICKT 124 OACKO				27.10
					WASH PUMP ANI	OLINES				10.00
					DROP PLUG					10.00
	2.0		450.0		DISPLACE					4.50
1:45 PM			1,100.0		BUMP PLUG					
			· · · · · · · · · · · · · · · · · · ·		HOLD PRESSURI	Ē				
2:15 PM			500.0		BLEED DOWN PF	RESSURE				
			500.0		SHUT IN WELL					
					WASH UP PUMP	AND RIG DOWN				
							TOTAL:			68.66
		SUMN	IARY		r	PRODUCTS USED				
	Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI	Ė	NODOGIO GOLD	C-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			
	2.0	2.0	1,100.0	394.4					=====	
					1	24 SACKS 50:50 + 2% GE	EL + 1/4# PHE	NOSEAL		
Treater:	Jake t	teard						Customer:	Chris McGowr	1



HURRICANE SERVICES INC

TIME	INJECTI FLUID	ION RATE N2/CO2	PRES STP	SURE ANNULUS	REMARKS	PROP (lbs)	HCL (gla)	FLUID (bbls)
2:30 PM					OFF LOACTION			
					THANK YOU			
					JAKE JERRY KEVIN BILLY			
					PLEASE CALL AGAIN			

•								
			Activity provi	ded on this no	age is calculated in the summary and totals on page 1			

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