KOLAR Document ID: 1589635

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 □ West
Address 2:	Feet from North / South Line of Section
City:	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
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 Workover	Field Name:
□ Oil □ WSW □ SWD	Producing Formation:
☐ Gas ☐ DH ☐ EOR	Elevation: Ground: Kelly Bushing:
☐ OG ☐ GSW	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? Yes No
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)
Down to the t	Chloride content: ppm Fluid volume: bbls
<pre>Commingled Permit #:</pre> Dual Completion Permit #:	Dewatering method used:
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
Recompletion Date 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 Approved by: Date:						

KOLAR Document ID: 1589635

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	rpS	S. R	Eas	st West	County:					
	l, flowing an	d shut-in pres	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)		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 Log	s		Yes No Yes No Yes No						
			Rep	CASING	RECORD [Nev		on, etc.		
Purpose of St	tring	Size Hole Drilled		Size Casing let (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	pe of Cement	# Sacks Used Type and Percent Additive					
Protect Ca										
Plug Off Zo										
Did you perform Does the volume Was the hydraul	e of the total	base fluid of the	hydraulic	fracturing treatment		-	Yes yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Produ Injection:	ction/Injectio	n or Resumed P	roduction/	Producing Meth	od:		Gas Lift O	ther <i>(Explain)</i>		
Estimated Product Per 24 Hours		Oil	Bbls.		Mcf	Water			Gas-Oil Ratio	Gravity
DISPO	OSITION OF	GAS:		N	METHOD OF CO	MPLET	ΓΙΟΝ:			DN INTERVAL: Bottom
Vented		Used on Lease		Open Hole		Dually (Submit A		nmingled nit ACO-4)	Тор	BOLLOTTI
,	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	Size:	Set A	: -	Packer At:					

Form	ACO1 - Well Completion			
Operator	Woolsey Operating Company, LLC			
Well Name	MCCRACKEN 1			
Doc ID	1589635			

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set			Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	269	60/40 poz	225	see ticket
Production	7.875	4.5	10.5	4912	60/40 poz	50	see ticket
Production	7.875	4.5	10.5	4912	Class H	125	see ticket



0212								
		REATME						
Cu	stome	WOOL	SEY OF	PERATING (COMPANY L Well:	MCCRAC	KEN 1	1819 A de a
City	, State	MEDIC	INE LO	DGE KS	County:	BARBE	D VC	
Fle	ıld Rej	ALAN	DICK		S-T-R:	33-338	4014/	4114021
						00-000	-12VV Servic	e: 8 5/8 SURFACE
		Informat		_	Calculated Slu	rry - Lead	C	olculated Slurry - Tail
	le Sizo Depth	_	in	4	Blend:	60/40/2 FOZMIX	Blen	
	Depin Ig Sizo		ft	4	Weight:	14.8 ppg	Welgh	
Casing				4	Water / Sx:	5.2 gal / sx	Water / Si	
Fubing /			In E	┨	Yield:	1.21 ft ³ / sx	Yield	it it³/sx
	Depth		ft	1	Annular Bbis / Ft,:	bbs / ft.	Annular Bhis / Fe	bbs / ft,
Fool / P				1	Depth:	ft	Depti	ft
	Depth		ft	1	Annular Volume:	0.0 bbls	Annular Volume	0 bbls
lisplace			bbis	1	Excess; Total Slurry;	40.7.11:	Excess	
			STAGE	TOTAL	Total Sacks:	48.5 bbis 225 sx	Total Slurry	
TIME	RATE	PSI	BBLs	BBLs	REMARKS	440 8X	Total Sacks	#DIV/01 sx
8:00 PM	+	<u> </u>	<u> </u>		ON LOCATION, SAFTEY M	EETING		
2:45 PM				· ·	RUN 8 5/8 CASING			
1:19 AM	 				CASING ON BOTTOM			
1:27 AM		ļ			HOOK YO CASING, BREAK	CIRCULATION WITH R	G	
1:36 AM		200.0	3.0	3.0	PUMP 3 BBL WATER			
:41 AM :59 AM	_	400.0	49.0	52.0	MIX 225 SKS 60/40/2 POZN	HX		
:10 AM	3.0	200.0 299.0	15.8	67.8	START DISPLACEMENT			
		299,0			PLUG DOWN/SHUT IN WEI	<u> </u>		
					CEMENT TO SURFACE		·	
								
$-\!\!\!\!-\!\!\!\!\!+$								
	-+							
	-+							
-	-					· · · · · · · · · · · · · · · · · · ·		
_	\dashv		-+					
			\dashv	: 	IOR COMPLETE THAT	N		
				:+	JOB COMPLETE, THANK YO MIKE MATTAL	וטנ		
			$\neg +$		KEVEN & BRIAN			
					The second			
$-\mathbb{I}$	$_{\perp}$ T							
		CREW			UNIT		SUMMARY	/
Ceme	_	MATTA			912	Average Ra		Total Fluid
np Oper		LESLE			179/522	4.2 bpm		68 bbis
	k #1: k #2:	WHITE	IELD		526/258			
	N 174							

ftv: 7-2020/11/30 mplv: 150-2021/05/24



CEMENT	TRE	ATMEN	T REP	ORT					
					MPANYL Well:	MCCRA	CKEN 1	Ticket:	WP1604
	City, State: MEDICINE LODGE KS				County	BARE	ER KS	Date:	6/20/2021
	Field Rep. ALAN DICK				S-T-R:	S-T-R: 33-33S-12W Service: 4 1/2 LC			4 1/2 LONGSTRING
								Coley	lated Slurry - Tail
		nformatio	_		Calculated Slu			Blend:	H-LD
	Size:		ln		Blends	H-PLUG		Weight:	15 ppg
Hole D		5285			Weights	13.6 ppg 6.9 gal/sx		Water / Sx:	5.9 gal / \$x
Casing		4 1/2			Water / Sx: Yield:	1,43 ft ³ / sx		Yield:	1,49 ft ³ / sx
Casing D		4912			Annular Bbls / Ft.:	bbs / ft.		Annular Bbls / Ft.:	bbs / ft.
Tubing /			ln ft		Depth:	ft		Depth:	ft
	epth:		п		Annular Volume:	0.0 bbls		Annular Volume:	0 bbls
Tool / Pa			ft		Excess:	010 1013	1	Excess:	
Tool D		77.6			Total Slurry:	24.0 bbis		Total Slurry:	33.0 bbls
Displace	melli	,,.0	STAGE	TOTAL	Total Sacks:	100 sx	1	Total Sacks:	125 sx
TIME	RATE	PSI	BBLs		REMARKS				
9:20 PM				•	ON LOCATION, SAFTEY				
10:00 PM					RUN 4 1/2 10.5# CASING	, SCRATCHERS ON 6	6 TURBOS	N 1,4,5,6,7 41' SHOE JOH	NT WITH FLOAT SHOE AND LATCHDOW
11:55 PM					CASING ON BOTTOM				
12:02 AM				•	HOOK TO CASING, BRE	AK CIRC WITH RIG			
1:20 AM	2.0	50.0	7.0	7.0	MIX 30 SKS H-PLUG FOR	R RAT HOLE			
1:24 AM	2,0	50.0	6,0	12,0	MIX 29 SKS FOR MOUSE	HOLE			
1:29 AM	5.0	250.0		12.0	PUMP 6 BBL WATER				
1:30 AM	6.5	650.0	133.0	145.0	MIX 50 SKS H-PLUG AS	SCAVENGER			
1:32 AM	5.0	250.0	33,0	178.0	MIX 126 SKS H-LD				
1:41 AM				178.0	DROP PLUG, WASH PUR			 	
1:44 AM	5.0	200.0		178.0	START 2% KCL DISPLAC	CEMENT			
1:55 AM	4.7	260.0	55,0	233.0	LIFT PRESSURE				
1:67 AM	3.0	350.0	67.0	300.0	SLOW RATE				
2:00 AM		1,500.0	77.6	377.6	PLUG DOWN, RELEASE				
			-		CIRCULATION THROUG	H JOB			
			-						
					JOB COMPLETE, THANK	CVOUL	 .		
_		-			MIKE MATTAL	(100)			
		 			with med the				
		-							
		<u> </u>		•					
	-		 		· · · · · · · · · · · · · · · · · · ·				
		CREW			UNIT			SUMMARY	1
. Cen	nenter:	MAT	TAL-		912	Ayera	ge Rate	Ayerage Pressure	Total Fluid
Pump Op	erator;				179/522	4.:	2 bpm	384 psi	378 bbls
В	ulk #1:	TRE	VINO		182/633				
В	lulk #2:								<u></u>

ftv: 7-2020/11/30 mplv: 150-2021/05/24



Woolsey Operating Corp LLc

33-33s-12w Barber Co. Ks

125 N Market, STE 1000 Wichita, Ks. 67202 McCracken #1
Job Ticket: 67240

DST#: 1

ATTN: Bill Klaver

Test Start: 2021.06.17 @ 11:49:26

GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 14:00:41 Tester: Matt Smith
Time Test Ended: 19:55:56 Unit No: 68

Interval: 4689.00 ft (KB) To 4722.00 ft (KB) (TVD) Reference Elevations: 1585.00 ft (KB)

Total Depth: 4722.00 ft (KB) (TVD) 1572.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 13.00 ft

Serial #: 8931 Inside

Press@RunDepth: 72.97 psig @ 4690.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2021.06.17
 End Date:
 2021.06.17
 Last Calib.:
 2021.06.17

 Start Time:
 11:49:31
 End Time:
 19:55:55
 Time On Btm:
 2021.06.17 @ 13:57:26

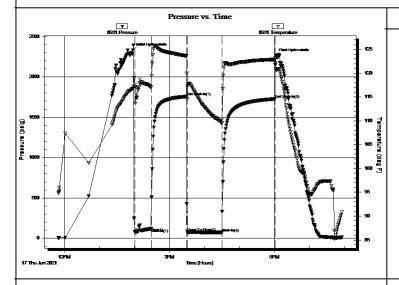
 Time Off Btm:
 2021.06.17 @ 18:01:56

TEST COMMENT: IF: Strong Blow . B.O.B. 15 sec. Built over 822". G.T.S. in 22 mins. (30)

ISI: Weak Blow . Built to 3.25". (60)

FF: Strong Blow . B.O.B. & G.T.S. immediate. Gauged Gas. Built to 549.80". (60)

FSI: No Blow . (90)



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2331.13	116.76	Initial Hydro-static
4	73.47	117.13	Open To Flow (1)
32	121.54	117.03	Shut-In(1)
92	1756.30	123.59	End Shut-In(1)
94	77.82	117.22	Open To Flow (2)
153	72.97	109.49	Shut-In(2)
244	1726.93	122.88	End Shut-In(2)
245	2263.73	122.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
118.00	GM 2%g 98%m	1.66
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	15.36	200.75
Last Gas Rate	0.50	10.11	165.34
Max. Gas Rate	0.50	15.36	200.75

Trilobite Testing, Inc Ref. No: 67240 Printed: 2021.06.17 @ 22:37:53



Woolsey Operating Corp LLc

33-33s-12w Barber Co. Ks

125 N Market, STE 1000 Wichita. Ks. 67202 McCracken #1

Job Ticket: 67240

DST#: 1

ATTN: Bill Klaver

Test Start: 2021.06.17 @ 11:49:26

Matt Smith

GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 14:00:41
Time Test Ended: 19:55:56

Reference Elevations: 1585.00 ft (KB)

Unit No: 68

Tester:

1572.00 ft (CF)

Total Depth: 4722.00 ft (KB) (TVD)

1572.00 ft (C KB to GR/CF: 13.00 ft

Hole Diameter: 7.88 inches Hole Condition: Poor

4689.00 ft (KB) To 4722.00 ft (KB) (TVD)

Serial #: 8737 Outside

Interval:

 Press@RunDepth:
 psig
 @
 4690.00 ft (KB)
 Capacity:
 8000.00 psig

 Start Date:
 2021.06.17
 End Date:
 2021.06.17
 Last Calib.:
 2021.06.17

 Start Time:
 11:49:59
 End Time:
 19:56:38
 Time On Btm:

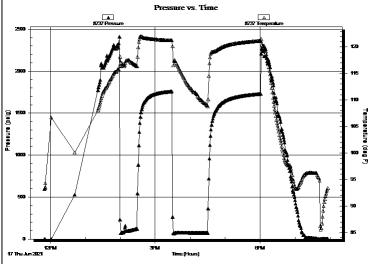
19:56:38 Time On Btm: Time Off Btm:

TEST COMMENT: IF: Strong Blow . B.O.B. 15 sec. Built over 822". G.T.S. in 22 mins. (30)

ISI: Weak Blow . Built to 3.25". (60)

FF: Strong Blow . B.O.B. & G.T.S. immediate. Gauged Gas. Built to 549.80". (60)

FSI: No Blow . (90)



PRESSURE SUMMARY

-	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	, ,	57	, ,	
Temperature (den F)				
ì				
9				

Recovery

Length (ft)	Description	Volume (bbl)
118.00	GM 2%g 98%m	1.66
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	15.36	200.75
Last Gas Rate	0.50	10.11	165.34
Max. Gas Rate	0.50	15.36	200.75

Trilobite Testing, Inc Ref. No: 67240 Printed: 2021.06.17 @ 22:37:53



FLUID SUMMARY

Woolsey Operating Corp LLc

33-33s-12w Barber Co. Ks

125 N Market, STE 1000 Wichita, Ks. 67202 McCracken #1

Job Ticket: 67240

DST#:1

ATTN: Bill Klaver

Test Start: 2021.06.17 @ 11:49:26

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 9000 ppm

Viscosity: 52.00 sec/qt Cushion Volume: bbl

Water Loss: 8.79 in³ Gas Cushion Type:

Resistivity: 9000.00 ohm.m Gas Cushion Pressure: psig

Salinity: ppm Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	GM 2%g 98%m	1.655
0.00	GTS	0.000

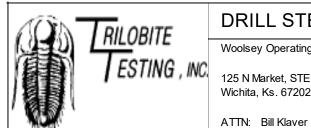
Total Length: 118.00 ft Total Volume: 1.655 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: P-27 Matt

Laboratory Name: Laboratory Location:

Recovery Comments: 4,546 FEET of GIP

Trilobite Testing, Inc Ref. No: 67240 Printed: 2021.06.17 @ 22:37:54



GAS RATES

Woolsey Operating Corp LLc

33-33s-12w Barber Co. Ks

125 N Market, STE 1000 Wichita, Ks. 67202

McCracken #1

Job Ticket: 67240 DST#: 1

Test Start: 2021.06.17 @ 11:49:26

Gas Rates Information

Temperature: 59 (deg F)

Relative Density: 0.65 Z Factor: 8.0

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.50	15.36	200.75
2	10	0.50	15.36	200.75
2	20	0.50	12.12	178.90
2	30	0.50	10.79	169.92
2	40	0.50	10.27	166.42
2	50	0.50	10.11	165.34

Printed: 2021.06.17 @ 22:37:54 Trilobite Testing, Inc Ref. No: 67240

