KOLAR Document ID: 1408369

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
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 #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
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)
Committed at Provider	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:  Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if fladied offsite.
GSW Permit #:	Operator Name:
<u> </u>	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
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: 1408369

#### Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	ed Type and Percent Additives			
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a     Does the volume     Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.		n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	OELKERS FAMILY TRUST 1
Doc ID	1408369

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	1105	60-40POZ	2%gel,4% CC

#### JAMES C. MUSGROVE

Petroleum Geologist, LLC 212 Main Street P.O. Box 215 Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 786-0839

Mai Oil Operations Oelkers Family Trust #1 W/2-SW-SE-SE (330' FSL & 1131' FEL) Section 19-16s-19w Rush County, Kansas

Page 1

#### **Dry and Abandoned**

.Contractor:

Southwind Drilling Co. (rig #3)

Commenced:

April 5, 2018

Completed:

April 11, 2018

Elevation:

2090' K.B., 2088' D.F., 2082' G.L.

Casing program: Surface; 8 5/8" @ 1105'

Production, 5 1/2" @ none

Sample:

Samples saved and examined 3300' to the Rotary Total Depth.

**Drilling time:** 

One (1) foot drilling time recorded and kept 3300' to the Rotary Total Depth.

Measurements:

All depths measured from the Kelly Bushing.

**Drill Stem Tests:** 

There were one (1) Drill Stem Test ran by Trilobite Testing Co.

Electric Log:

None

<u>Formation</u>	Sample Depth	Sub-Sea Datum
Anhydrite	1341	+747
Base Anhydrite	1368	+722
Heebner	3417	-1327
Toronto	3436	-1346
Lansing	3463	-1373
Base Kansas City	3724	-1634
Marmaton	3766	-1676
Arbuckle	3831	-1744
Rotary Total Depth	3850	-1760

(All tops and zone(s) determinations were made from a correlation of Drilling Time Log and Sample Analysis

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

Mai Oil Operations
Oelkers Family Trust #1
W/2-SW-SE-SE (330' FSL & 1131' FEL)
Section 19-16s-19w
Rush County, Kansas

Page 2

#### **TOPEKA SECTION**

3327-3360'

Limestone, tan, gray, finely crystalline, granular; highly chalky; few fossiliferous; poor to fair porosity; no shows.

3366-3386'

Limestone, tan, gray, fossiliferous; few granular, poor visible porosity; trace brown stain; no free oil and no odor in fresh samples.

#### **TORONTO SECTION**

3336-3346'

Limestone, white; cream, finely crystalline, finely oolitic, poor visible porosity, chalky; no shows.

#### LANSING SECTION

3463-3468'

Limestone, cream, tan; finely crystalline, fossiliferous/oolitic, poor visible porosity; no shows.

3486-3494'

Limestone, tan, brown, fossiliferous, granular, few oomoldic, chalky, scattered vuggy and oomoldic type porosity, light brown and golden brown stain, trace gas bubble, good show of free oil and fair odor n fresh samples.

#### **Drill Stem Test #1**

3470-3500

Times:

30-30-45-45

Blow:

Weak

Recovery:

5' mud

Pressures: ISIP 35

ISIP 35 psi FSIP 23 psi IFP 11-13 psi FFP 14-23 psi HSH 1683-1642 psi

3506-3516'

Limestone, white, fossiliferous; chalky in part, poorly developed porosity, no shows.

3534-3539'

Limestone, cream, white, oolitic, chalky; no shows, plus; white oolitic chert.

3544-3549

Limestone, tan, oolitic, scattered porosity, chalky; no shows.

3558-3567'

Limestone, tan, oolitic, oomoldic, chalky, fair oomoldic porosity (barren)

3598-3608'

Limestone, white, cream, oolitic/fossiliferous, poor scattered pinpoint type porosity, plus trace tan chert, no shows.

3630-3640'

Limestone, white, cream, fossiliferous; highly chalky; poor visible porosity, trace brown stain, no free oil and no odor in fresh sample.

3650-3663'

Limestone, tan, brown; oomoldic, chalky, good oomoldic porosity; no shows (barren)

Mai Oil Operations Oelkers Family Trust #1 W/2-SW-SE-SE (330' FSL & 1131' FEL) Section 19-16s-19w Rush County, Kansas

Page 3

3675-3684' Limestone, white, cream, finely crystalline, few fossiliferous, poorly

developed porosity, no shows.

3700-3714' Limestone, tan, buff, oomoldic; good oomoldic porosity, trace stain; trace

of free oil and no odor in fresh samples.

#### **MARMATON SECTION**

3766-3780' Limestone, white, cream, finely crystalline, dense, no shows.

3780-3796' Limestone, cream to white, finely crystalline, few fossiliferous, plus white

boney opaque chert; no shows.

#### **CONGLOMERATE SECTION**

3806-3823' Varied colored shales; plus varied colored cherts and trace sand, white,

clear; quartzitic, sub-rounded; well sorted, no shows.

#### REWORKED ARBUCKLE SECTION

3823-3834' Dolomite, white, cream, finely crystalline, sucrosic, weathered; plus

varied colored cherts and shales, no shows

#### ARBUCKLE SECTION

3834-3850' Dolomite, cream, gray, finely crystalline, poor inter-crystalline porosity;

trace black dead stain; no free oil and no odor in fresh samples.

Rotary Total Depth 3850 -1760

#### Recommendations:

The Mai Oil Operations, Inc., Oelkers Family Trust #1, was plugged and abandoned at the Rotary Total Depth 3850 -1760.

Respectfully yours,

Wyatt Urban

Petroleum Geologist



#### DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8411 Preston Rd. Ste. 800 Dallas, TX 75225

ATTN: Wyatt Urban

Oelkers Family Trust #1

19-16S-19W Rush,KS

Job Ticket: 63428

DST#: 1

Test Start: 2018.04.10 @ 00:45:41

#### GENERAL INFORMATION:

Formation:

LKC "A-C"

Deviated:

No

Whipstock:

ft (KB)

Time Tool Opened: 02:46:11 Time Test Ended: 06:31:11

Interval:

3500.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

3470.00 ft (KB) To 3500.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester:

Brannan Lonsdale

Unit No:

Reference Elevations:

2090.00 ft (KB)

2082.00 ft (CF)

KB to GR/CF:

8.00 ft

Serial #: 6753 Press@RunDepth:

Outside

14.09 psig @ 3471.00 ft (KB)

End Date:

2018.04.10

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2018.04.10 00:45:46

End Time:

06:31:10

2018.04.10

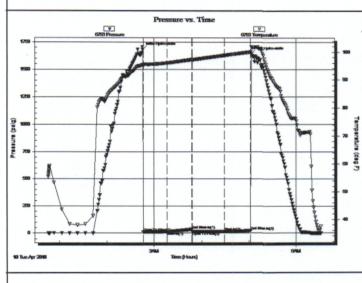
Time On Btm: 2018.04.10 @ 05:03:11

TEST COMMENT: 30- IF- Slow ly built to 1/2"

30- ISI- No blow

45- FF- Very weak surface blow

30- FSI- No blow



	PRESSURE SUMMARY							
1	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
	0	1682.88	95.40	Initial Hydro-static				
	1	11.25	94.93	Open To Flow (1)				
	31	13.29	96.02	Shut-In(1)				
	62	34.85	97.23	End Shut-In(1)				
	63	13.56	97.20	Open To Flow (2)				
	103	14.09	98.78	Shut-In(2)				
	136	22.86	99.99	End Shut-In(2)				
	138	1642.01	101.74	Final Hydro-static				

	Recovery					
Length (ft)	Description	Volume (bbl)				
5.00	M	0.07				

Gas Rates  Choke (inches) Pressure (psig) Gas Rate (Mct/d)			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 63428

Printed: 2018.04.11 @ 13:52:32



#### DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations, Inc.

8411 Preston Rd. Ste. 800 Dallas, TX 75225

ATTN: Wyatt Urban

Oelkers Family Trust #1

19-16S-19W Rush,KS

Job Ticket: 63428

DST#: 1

Test Start: 2018.04.10 @ 00:45:41

**Tool Information** 

Drill Pipe:

Length: 3458.00 ft Diameter: 3.82 inches Volume: 49.02 bbl Heavy Wt. Pipe: Length: ft Diameter: inches Volume: Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: inches Volume:

Total Volume:

- bbl 0.00 bbl

- bbl

Tool Weight: Weight set on Packer: 25000.00 lb

2000.00 lb

Weight to Pull Loose: 37000.00 lb

Tool Chased

0.00 ft

String Weight: Initial 33000.00 lb Final 34000.00 lb

Drill Pipe Above KB:

Depth to Top Packer: 3470.00 ft
Depth to Bottom Packer: ft

Interval between Packers: 30.00 ft

Tool Length: 50.00 ft
Number of Packers: 2 Diameter:

8.00 ft

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3451.00		
Shut In Tool	5.00			3456.00		
Hydraulic tool	5.00			3461.00		
Packer	5.00			3466.00	20.00	Bottom Of Top Packer
Packer	4.00			3470.00		
Stubb	1.00			3471.00		
Recorder	0.00	6771	Inside	3471.00		
Recorder	0.00	6753	Outside	3471.00		
Perforations	26.00			3497.00		
Bullnose	3.00			3500.00	30.00	Bottom Packers & Anchor

**Total Tool Length:** 

50.00



#### DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations, Inc.

Oelkers Family Trust #1

8411 Preston Rd. Ste. 800

19-16S-19W Rush,KS

Dallas, TX 75225

Job Ticket: 63428 DST#: 1

ATTN: Wyatt Urban

Test Start: 2018.04.10 @ 00:45:41

**Mud and Cushion Information** 

Mud Type: Gel Chem

Mud Weight:

Viscosity:

Water Loss:

Resistivity: Salinity: Filter Cake:

9.00 lb/gal 56.00 sec/qt 6.19 in<sup>3</sup>

ohm.m 2000.00 ppm

inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: ppm

psig

ft

bbl

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
5.00	M	0.071

Total Length:

5.00 ft

Total Volume:

0.071 bbl

Num Gas Bombs: 0 Laboratory Location:

Serial #:

Laboratory Name:

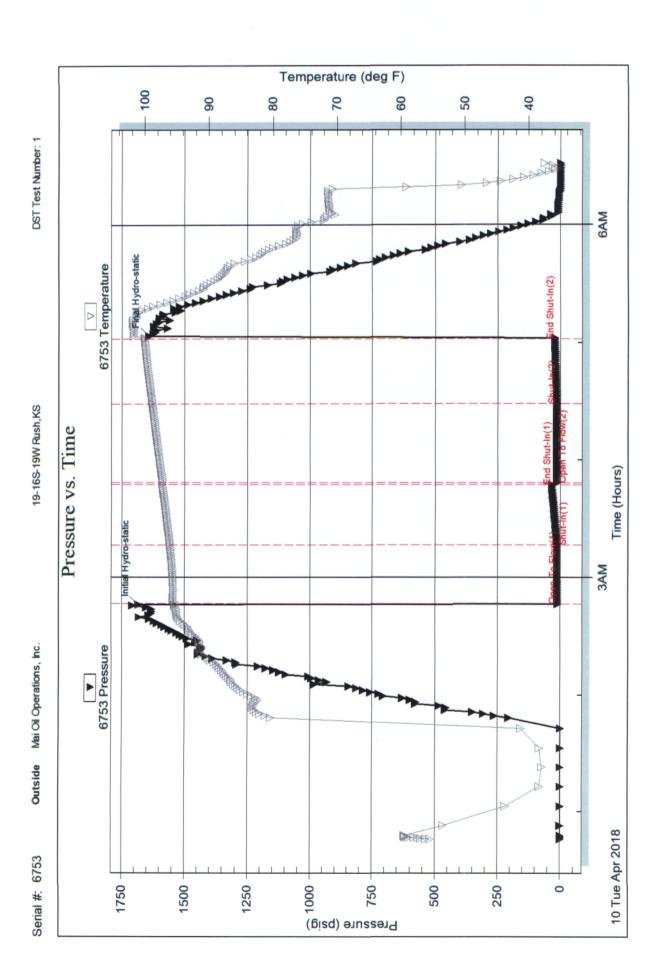
Num Fluid Samples: 0

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 63428

Printed: 2018.04.11 @ 13:52:33



Printed: 2018.04.11 @ 13:52:33

Ref. No: 63428

# QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 740

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win springs of all	Sec.	Twp.	Range	0	County	State	On Location	Finish		
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		-	10 0001 5 4 5	Location	ofthen	thal Black Ex	Tw Ni	7+0		
Lease Delkers.	TIVS	+	Well No.	ral b	Owner	perto tressatro (bue la	e II. val e declerie	- Bouletin of Helps		
Contractor Southwin	0#3	May 100				lwell Cementing, Inc. by requested to rent		t and furnish		
Type Job Surface				1.00	cementer and	d helper to assist own	ner or contractor to de	o work as listed.		
Hole Size 121/4/		T.D. /	105		Charge To	Pai Oit	ed in place box. Its ear	is the drap and other		
Csg. 85/8		Depth	1105	4	Street		Value recommend			
Tbg. Size		Depth			City		State	49, 1012 10131/29/20		
Tool		Depth			The above wa	s done to satisfaction a	nd supervision of owner	agent or contractor.		
Cement Left in Csg. 4	2	Shoe J	loint 40	TO JAN LO	Cement Amo	ount Ordered 42	5 609404	11002/00		
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Remarks:		4 . 4. 4	faccioning and arm	WE TO	Salt					
Rat Hole					Flowseal					
Mouse Hole	country the	Day ye	cheet yes	DE	Kol-Seal					
Centralizers					Mud CLR 48					
Baskets					CFL-117 or CD110 CAF 38					
D/V or Port Collar		Lucy Es			Sand					
85/0 ps h	++0.	Six	Posto Von	The service	Handling					
Mix Harry	Sico	Land	Div.		Mileage					
1			7.3	3.5-995	100	FLOAT EQUIPM	ENT 95/0	STREETS REPORTED IN		
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