Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1075924

Form ACO-1 August 2013 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. 15
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 #	
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:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ SIOW ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Elevation: Ground: Kelly Bushing:
□ OG □ GSW □ Temp. Abd	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 ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Produ	cer (Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #: SWD Permit #:	
ENHR 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 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				
Geologist Report Received				
UIC Distribution				
ALT I II III Approved by: Date:				

	Page Two	1075924
Operator Name:	_ Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS: Chause important tang of formations paratrated	atail all aaraa Bapart all final	conico of drill stome toste siving interval tosted, time tool

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	eets)	Yes No		0	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne		ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQU	IEEZE RECORD			
Burpaga	Depth						

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Back TD Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

(If No, skip questions 2 and 3) (If No, skip question 3)

No

No

No

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					ement Squeeze Record I of Material Used)	Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	l.	Producing N	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	S.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
									Ι	
DISPOSITION OF GAS: METHOD OF COMPLE			TION:	_	PRODUCTION IN	TERVAL:				
Vented Solo	u 🗌 k	Used on Lease Open Hole Perf. Dually				Commingled				
(If vented, Su	bmit ACC	D-18.)		Other (Specify)		(Submit /	,	(Submit ACO-4)		

Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Frost 1
Doc ID	1075924

Tops

Name	Тор	Datum
Heebner	2034	-725
Douglas	2063	-754
Lansing	2241	-932
Kansas City	2406	-1097
Mississippian	2881	-1572
Kinderhook	3184	-1875
Hunton	3321	-2012
Maquoketa Dolo	3416	-2107
Viola	3477	-2168
Simpson Dolo	3567	-2271

Office (620) 588-4250

Res. Claflin (620) 587-3444

~

Mai Oil Operations Inc Frost #1 SW-SE-NW-SW Section 25-15s-4w Saline County, Kansas Page No. 1

Dry and Abandoned

Contractor:	Southwind Drilling Company (Rig #3)
Commenced:	November 25, 2011
Completed:	December 2, 2011
Elevation:	1309' K.B.; 1307' D.F.; 1301' G.L.
Casing Program:	Conductor; 13 5/8" @100' Surface; 8 5/8" @ 403' Production; none.
Samples:	Samples saved and examined 2100' to the Rotary Total Depth.
Drilling Time:	One (1) foot drilling time recorded and kept 2100' to the Rotary Total Depth.
Measurements:	All depths measured from the Kelly Bushing.
Drill Stem Tests:	There were three (3) Drill Stem Tests ran by Trilobite Testing Company.

Electric Log: By Superior Well Services;

Formation	Log Depth	<u>Sub-Sea Datum</u>
Heebner	2034	-725
Douglas	2063	-754
Lansing	2241	-932
Kansas City	2406	-1097
Mississippian	2881	-1572
Kinderhook	3184	-1875
Hunton	3321	-2012
Maquoketa Dolomite	3416	-2107
Viola Limestone	3477	-2168
Simpson Dolomite	3567	-2258
Rotary Total Depth	3580	-2271
Log Total Depth	3581	-2272
(All tons and Tanas corre	ated to Electric Log	manauramanta

(All tops and zones corrected to Electric Log measurements).

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

LANSING THROUGH HUNTON SECTION

2241-3416'

There were several zones of well-developed porosity encountered in the drilling of the Lansing through Hunton Section but no shows of oil and/or gas was noted. (See attached Drilling Time/Sample Log)

Mai Oil Operations Inc Frost #1 SW-SE-NW-SW Section 25-15s-4w Saline County, Kansas Page No. 2

MAQUOKETA SECTION

3416-3418' Dolomite; gray and tan, fine and medium crystalline, shaley in part, scattered porosity, brown and light brown stain, show of free oil and faint odor, trace white and gray boney chert.

 Drill Stem Test #1
 3412-3417' (Log measurements 3413-3418)

 Times:
 30-30-30

 Blow:
 Weak

Recovery: 15' heavy mud

-Misrun - plugged tool and anchor.

3418-3419' Dolomite; as above.

Drill Stem Test #2 3412-3418' (Log measurements 3413-3419)

Misrun – packer failure

3419-3422' Dolomite and chert as above.

Drill Stem Test #3	3415-3421' (Log measurements 3416-	<u>3422)</u>

Times:	30-45-60-90

- Blow: Weak to fair
- Recovery: 215' muddy water

Pressures:	ISIP	742	psi
	FSIP	742	psi
	IFP	15-50	psi
	FFP	51-117	psi
	HSH	1698-1663	psi

3422-3440' Dolomite; tan/gray, fine and medium crystalline, shaley in part, poor visible porosity, no shows.

3440-3477' Dolomite; gray, shaley, poor porosity, no shows.

VIOLA SECTION

3477-3500'	Limestone; tan, white	, chalky, plus white chalk, few dolomite, no
	shows.	그 사람 위에 가슴을 물고 물고 물고 가슴을 벗었다.

3500-3567' Limestone; as above, scattered dolomitic limestone.

SIMPSON DOLOMITE SECTION

3567-3580' Dolomite; tan, brown, finely crystalline, sandy, poor visible porosity, no shows.

Mai Oil Operations Inc Frost #1 SW-SE-NW-SW Section 25-15s-4w Saline County, Kansas Page No. 3

Rotary Total Depth 3580 Log Total Depth 3581

<u>Recommendations</u> The Frost #1 was plugged and abandoned at the Log Total Depth 3581 (-2272).

Respectfully submitted;

(ame 2 James C. Musgrove, Petroleum Geologist

Notice: Fill out COMPLETELY and return to Conservation Division at the address below within	KANSAS CORPORATION (OIL & GAS CONSERVATION		Form CP-4 March 2009 Type or Print on this Form
60 days from plugging date.	WELL PLUGGING K.A.R. 82-3-117	RECORD	Form must be Signed All blanks must be Filled
OPERATOR: License #:5259 Name: Mai Oil Operations, Inc Address 1: 8411 Preston Rd, Ste 800 Address 2:	Zip: 75225 + 5520]OG [√] D&A]Cathodic]SWD Permit #: rage Permit #: Hog attached? []Yes []No sheet) m:T.D. m:T.D.	1,500 Feet fr 800 Feet fr Footages Calculated from N [] NE [] NW [] NE [] NE] NW County: Saline Lease Name: Frost Date Well Completed: 12 The plugging proposal was a by: BJ Hope Plugging Commenced: 12	31-00-00 Twp. 15. S. R. 4 Twp. 15. S. R. 4 Image: Section Comment Image: Section Conner: Image: Section Conner: <tr< td=""></tr<>
Oil, Gas or Water Records	Casing	Record (Surface, Conductor & P	roduction)

Oil, Gas or Water Records			Casing Record (Surface, Conductor & Production)			
Formation	Content	Casing	Size	Setting Depth	Pulled Out	
		Surface	8 5/8	403	0	
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Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Plugged well with 120 sacks of 60/40 Poz, 4% gel, ¼# flo-seal, 1st plug @ 3410' with 35 sacks, 2nd plug @ 450' with 35 sacks, 3rd plug @ 60' with 25 sacks, 25 sacks for rat hole, by Allied (Ticket #34627), job was completed @ 1:00 am on 12/3/2011.

Plugging Contractor License #:33350	Name: Southwind Drilling, Inc
Address 1: 8 North Main	Address 2: PO Box 276
City: Ellinwood	
Phone: (620) 564-3800	
Name of Party Responsible for Plugging Fees: Mai Oil Operations, Inc.	
State of Kansas County, Barton	, \$S.
Jill Wahlmeier (Print Name)	Employee of Operator or Operator on above-described well,
being first duly sworn on oath, says: That I have knowledge of the facts statements	, and matters herein contained, and the log of the above-described well is as filed, and
the same are true and correct, so help me God.	1 A Month 1 1
Signature:	hemelle
Mail to: KCC - Conservation Division, 130	S. Market - Room 2078, Wichita, Kansas 67202

GENERAL TERMS AND CONDITIONS

QUALITY	OILWELL	CEMENT	ING,	INC.
	Federal Tax I.D		on the materia	ly roantified by this term

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665 No. 124

Cell 785-324-1041	yment to	cash pa	liut tender full	m 'RBM	GTEUOT he	has been establion	as solidadory credit	- TERMS: Unit	
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Lease Frast	V	Vell No.	1	Locati	on Smd	an 25 21	25N	standing the foregoin	
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Bulktrk No. Drive	er and	havel	HUD yo bone		Gel.	P WILL DAY QUAL	material, CUSTOME	anto or other	
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QUALITY	OILWELL	CEMEN	TING, IN

Phone 785-483-2025 Cell 785-324-1041 Federal Tax I.D.# 20-2886107 Home Office P.O. Box 32 Russell, KS 67665

No. 125

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Hole Size 124	T.D.	403		cementer and helper to assist owner or contractor to do work as listed					
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To Allied Cetmenting Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s)-to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and nuderstand the "GENERAL 21.0 ET
To Alflied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. SALES TAX (IF Any)
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHAROES 5062.80
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To Allied Cementing Co., LLC. You are hereby requested to rent comenting equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. PRINTED NAME_JAY_KHICH PRINTED NAME_JAY_KHICH SIGNATURE Any Marky TOTAL Discount ²⁰ /50 IF PAID IN 30 DAYS
To Alfled Cementing Co., LLC. You are hereby requested to rent comenting equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and anderstand the "GENERAL. TERMS AND CONDITIONS" listed on the reverse side. PRINTED NAME_JAY_KHIGH
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2010-01-01 03:25

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Page 1

	DRILL STEM TES			Saarta ta kata nganasa kata s		
RILOBITE				- 4 0-1		
TESTING , INC.	Mai Oil Operations, Inc.			is-4w Sal	ine,KS	
	8411 Preston Rd. Ste. 800 Dallas, TX 75225		Frost #1 Job Ticket: 44216 DST#:1			
	ATTN: Jim Musgrove				DST 11.30 @ 20:41:3	
GENERAL INFORMATION:	*****		A			
Formation: Magueketa						
Deviated: No Whipstock: Time Tool Opened: Time Test Ended: 01:17:00	ft (KB)		Test T Tester Unit No	: Dust	ventional Bottom in Rash	Hole (Initial)
Interval: 3412.00 ft (KB) To 34			Refere	ence Elevati		.00 ft (KB)
Total Depth: 3417.00 ft (KB) (TN Hole Diameter: 7.88 inchesHole	/D) Condition: Poor			KB to G		.00 ft (CF) .00 ft
				10100		
Serial #:8354InsidePress@RunDepth:psigStart Date:2011.11.30Start Time:20:51:30		2011.12.01 01:17:00	Capacity: Last Calib.: Time On Btr Time Off Bt	m 2011	8000. 2011.12 I.11.30 @ 21:47: I.11.30 @ 23:55:	40
TEST COMMENT: IF-Weak surface ISI-No Return. Sli FF-No Blow. Slid FSI-No Return.	d 1 foot.	tool. Slid 1 fo	oot. No blow .			
Pressure vs. T 0004 Pressure	1000 2006 Temperature		and the second se		SUMMARY	
(204 Presule	12364 Temperature	Time (Min.)		Temp A (deg F)	nnotation	
		0 128	1844.03	102.89 Init	ial Hydro-static aal Hydro-static	
1974 1974 1974 1974 00 Web Nov 2011 Time (New 2011	1.Deo 1/64					
Recovery				Gas R	ates	
Length (ft) Description	Volume (bbl)			Choke (inche		Gas Rate (Mcf/d)
15.00 100%Heavy Mud	0.21					
Trilobite Testing Inc.	Ref. No: 44216				11,12,05 @ 17:02	

Trilobite Testing, Inc

Ref. No: 44216

Printed: 2011.12.05 @ 17:03:42

05

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11 Ph	DRILL STEM TES	TREP	ORT					
RILOBITE TESTING, INC.	Mai Oil Operations, Inc.	25-15s-4w Saline,KS						
	8411 Preston Rd. Ste. 800 Dallas, TX 75225		Frost #1					
	ATTN: Jim Musgrove		Job Ticket:	DST#:2				
		Test Start: 2011.12.01 @ 06:55:30						
GENERAL INFORMATION:								
Formation: Maqueketa Deviated: No Whipstock: ft (KB) Time Tool Opened: Time Test Ended: 11:03:00			Test Type: Conventional Bottom Hole (Initial) Tester: Dustin Rash Unit No: 38					
Interval: 3412.00 ft (KB) To 3418.00 ft (KB) (TVD) Total Depth: 3418.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition; Poor			Reference Elevations: 1309.00 ft (KB) 1301.00 ft (CF)					
Hole Liameter: 7.88 incheshole	Condition: Poor		P	B to GR/CF:	8.00 ft			
Serial #:8354InsidePress@RunDepth:psigStart Date:2011.12.01Start Time:07:05:30	@ 3415.00 ft (KB) End Date: End Time:	2011.12.01 11:03:00	Capacity: Last Calib.: Time On Btm Time Off Btm		8000.00 psi 2011.12.01 1 @ 08:08:50 1 @ 08:16:40	g		
TEST COMMENT: IF-Packer Failure								
Pressure vs. Time			PRESSURE SUMMARY					
1 Thu De 2011	Torperature 204 Temperature 0 0 0 0 0 0 0 0 0 0 0 0 0	Time (Min.) 0 8		F)	dro-static			
Recovery		Gas Rates						
Length (ft) Description	Volume (bbl)		Ch	ake (inches) Pre	ssure (psig) Gas Ra	te (Mcf/d)		
Trilobite Testing Inc.	Ref. No: 44217	1		1 0011 10	05@16:53:09			

Trilobite Testing, Inc

Ref. No: 44217

Printed: 2011.12.05 @ 16:53:09

	DRILL STEM TEST REPORT								
RILOBITE	Mai Oil Operations, Inc.	25-15s-4w Saline,KS							
	04111103(01114), 0(0, 000	Frost #1							
	Dallas, TX 75225	Job Ticket: 44218 DST#: 3				:3			
	ATTN: Jim Musgrove		Test Start: 2011.12.01 @ 16:32:30						
GENERAL INFORMATION:									
Formation: Maqueketa Deviated: No Whipstock: Time Tool Opened: 17:54:20 Time Test Ended: 23:21:00	ck: ft (KB) Test Type: Conventional Bottom Hole Tester: Dustin Rash Unit No: 38						ole (Initial)		
Interval: 3415.00 ft (KB) To 34		Reference Bevations: 1309.00 ft (
Total Depth: 3421.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition: Fair			1301.00 ft (CF) KB to GR/CF: 8.00 ft						
Serial #: 8354 Inside Press@RunDepth: 117.15 psig Start Date: 2011.12.01 Start Time: 16:42:30	-	Capacity: 8000.00 ps 2011.12.01 Last Calib.: 2011.12.01 23:21:00 Time On Btm: 2011.12.01 @ 17:54:00 Time Off Btm: 2011.12.01 @ 21:46:00				1			
TEST COMMENT: IF-Weak building blow. Built to 9 inches. ISI-No Return. FF-Weak building blow. BOB in 50 minutes 30 seconds. FSI-No Return.									
Pressure vs. Time			PRESSURE SUMMARY						
1750	10	Time (Min.)	Pressure Temp (psig) (deg l						
	→ → → → → → → → → → → → → → → → → → →				Initial Hydro-static Open To Flow (1)				
		31 50.11 98.36 Shut-In(1)							
G 1000	Image: Non-state Image: Non-state<								
		138	117.15		Shut-In(2)				
		231 232	741.69 1662.60		End Shut-I Final Hydr				
1 Thu Deo 2011 Time (Houn)									
Recovery			Gas Rates						
Length (ft) Description 215.00 90%Water/10%Mud	Volume (bbl) 3.02	Choke (inches) Pressure (psig) Gas Rate (Mct/d)				Gas Rate (Mcf/d)			
210.00 30 /09 Valci / 10 /01VLU	0.02								
		1.5							
	Bef No: 44218				2011.12.05				

Trilobite Testing, Inc

Ref. No: 44218

Printed: 2011.12.05 @ 16:52:31

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner Sam Brownback, Governor

March 14, 2012

Allen Bangert Mai Oil Operations, Inc. 8411 PRESTON RD STE 800 DALLAS, TX 75225-5520

Re: ACO1 API 15-169-20331-00-00 Frost 1 SW/4 Sec.25-15S-04W Saline County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Allen Bangert