KOLAR Document ID: 1587547

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:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from
Contact Person:	_ Footages Calculated from Nearest Outside Section Corner:
Phone: ()	_ NE NW SE SW
CONTRACTOR: License #	
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	
Purchaser:	
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:
	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 Produce	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
	Dewatering method used:
Dual Completion Permit #:	
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 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: 1587547

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	e of Cement	# Sacks Used Type and Percent Additives					
Protect Ca										
Plug Off Zo										
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	Gravity
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	Rama Operating Co., Inc.
Well Name	KNOCHE 1-28
Doc ID	1587547

Tops

Name	Тор	Datum
Heebner	3233	-1361
Brown Lime	3374	-1502
Lansing	3406	-1534
Base Lansing	3656	-1704
Viola	3726	-1854
Simp., Shale	3776	-1904
Arbuckle	3841	-1969
RTD	3938	-2066

Form	ACO1 - Well Completion
Operator	Rama Operating Co., Inc.
Well Name	KNOCHE 1-28
Doc ID	1587547

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.250	8.625	23	327	60/40		2% gel 3% CC
Production	7.875	5.5	14	3939	AA-2	125	2% CC



CEMEN	IT TR	EATMEN	NT REP	ORT				
		Rama C			Well:	Knoche 1-28		
City,	, State	Stafford	d Kansa	 3	County:	Staffored Kansa	Ticket	
		Lanny S					S Date	
		Leaning (Jaioga		S-T-R:	28-23s-12w	Service	Surface
Dow	vnhole	Informati	on		Calculated Stu	ırry - Lead	Ca	lculated Slurry - Tail
	le Size		in		Blend:	60/40 283	Blend	
	Depth		ft		Weight:	14.8 ppg	Weight	
	g Size:		in		Water / Sx:	5.1 gal / sx	Water / Sx	
Casing			ft		Yield:	1.21 ft ³ / 9x	Yield	
Fubing /			in		Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.	
	Depth:		ft		Depth.	n	Depth	
Tool / P					Annular Volume:	0.0 bbls	Annular Volume	
	Depth:		ft		Excess:		Excess	
Displace	amen(ê	19.0	bbls		Total Slurry:	75.0 bbls	Total Slurry	0.0 bbls
TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	Total Sacks:	350 sx	Total Sacks:	0 sx
2:15 AM				5523	on location job and safety			
2:30 AM				5#3	spot trucks and rig up	<u> </u>		
				741	special distribution of the special sp			
c010								
:30 AM					casing on bottom and circ	culate		
				•	and one			
:35 AM					start cement			
	3.0	150.0	5.0	5.0	5 bbls fresh			
	3.0	150.0	75.0	80.0	mix 350 sacks cement			
1:00 AM				80.0	cement in			
1:05 AM	3.0	200.0			start displacement			
1:15 AM		200.0	19.0		displacement in and shut	in well		
					plug down at 4:15 a			
-					cement did circulate			
	-		-					
-+	-+							
\rightarrow	\rightarrow							
	-	-						
-								
	\dashv							
	\neg							
		CREW			UNIT		and the second	
Cenic	enter	M Bru	ngardt		916	Average Rate	SUMMARY	
mp Oper	rator	R Osbe	-		179/522	3.0 bpm	Average Pressure	Total Fluid
Bul	lk #1:	J Traví	по		181/256	o.o opin	175 psi	99 bbis
Bul	lk #2:							

ftv: 15-2021/01/25 mplv: 193-2021/07/23



EMEN	T TRE	ATME	NT REP	ORT				
Cu	stomer:	Rama (Operatin	g Co Inc	Well:	Knoche 1-28		
City, State: Stafford Kansas			s	County:		TICKET.	wp1697	
Fie	ld Rep:	Ransy	Ginaet			Stafford Kans	Date.	8/8/2021
		runsy	Omest		S-T-R:	28-23s-12w	Service:	5.5
		Informati			Calculated Slurry	/ - Lead	Calcu	llated Slurry - Tail
	le Size:				Blend:	H - Long	Blend:	H- Plug
	Depth:	3940			Weight:	15.0 ppg	Weight:	13.7 ppg
	ıg Size: Depth:	5 1/2			Water / Sx:	6.0 gal / sx	Water / Sx:	6.9 gal / sx
Tubing .			ft In		Yield:	1.42 ft ³ / sx	Yield:	1.43 ft ³ / sx
	Depth:		ft		Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Tool / P			-		Depth:	ft	Depth:	ft
	Depth:		ft		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Displace			bbis		Excess:		Excess:	
			STAGE	TOTAL	Total Slurry: Total Sacks:	31.6 bbis	Total Slurry:	12.7 bbls
TIME	RATE	PSI	BBLs		REMARKS	125 sx	Total Sacks:	50 sx
12:45 PM				392	on location job and safety			
1:00 PM				30	spot trucks and rig up			
				-				
					centralizers 1,3,5,7,9			
3:00 PM					start casingt in the hole			
4:55 PM	-			- •	on bottom and circulate			
5:45 PM	\vdash							
	5.0	460.0	F 0		start flush			
	5.0	150.0	5,0 12.0	5.0	fresh water			
	5.0	150.0	5.0	17.0	mud flush			8 <u>-</u>
		. 50.0	0.0		fresh water			
5:55 PM	2.0	-	12.7		plug rat and mouse hale 25 -	note in the set to the		
					plug rat and mouse hole 30 s	acks in the rat hole and 20 s	sacks in the mouse hole	
6:10 PM					start cement down hole			
	5.0	300.0	31.6		mix 125 sacks h long			
6:20 PM					cement in and shut down			
					wash pump and lines			
6:30 PM		200.0			start displacement			
2.50	3.0	500.0	90.0		slow rate			
7:00 PM	3.0	0.008	95.0		bump plug at 800 psi took up	to 1500 and releasded psi flo	oat did hold	
	_							
	+							
-+	+	-	_					
	-1-	CREW						
Conte	enter	M Brur	on ned*		UNIT		SUMMARY	
ump Oper		R Osbo	-		916	Average Rate	Average Pressure	Total Fluid
	lk #1	R Vald			179/521	4.1 bpm	281 psi	251 bbls
		/\ vaiu	V.6.		181/526			

ftv: 15-2021/01/25 mplv: 196-2021/08/03



Joshua R. Austin

Petroleum Geologist

Report for RAMA Operating CO., Inc



COMPANY: RAMA Operating Company, Inc.

LEASE: Knoche #1-28

FIELD: Bedford

LOCATION: SW-NE-SE (1650' FSL & 990' FEL)

SEC: 28 TWSP: 23s RGE: 12w

COUNTY: Stafford STATE: Kansas

KB: 1872' GL: 1861'

API # 15-185-24086-00-00

CONTRACTOR: Sterling Drilling (rig #4)

Spud: 08/02/21

Comp: 08/08/21

RTD: 3940'

LTD: 3938'

Mud Up: 2700'

Type Mud: Chemical was displaced

Samples Saved From: 3000' to RTD

Drilling Time Kept From: 2800' to RTD

Samples Examined From: 3000' to RTD

Geological Supervision From: 3000' to RTD

Geologist on Well: <u>Josh Austin</u>
Surface Casing: <u>8 5/8" @ 327'</u>
Production Casing: <u>5 1/2" @ 3939'</u>
Electronic Surveys: Midwest Wireline

NOTES

On the basis of the drill stem test, shows in the samples and after reviewing the electric logs, it was recommended by all parties involved in the Knoche #1-28 to set 5 1/2" production casing to further test the Arbuckle and Lansing zones. See typed geo report for recommendations.

Respectfully submitted, Josh Austin

RAMA Operating Co., Inc.

		DRILLING	WELL			COMPARIS	SON WELL	- 49		COMPARI	SON WELL	
		Knoche	1-28			Knoche	#1			Knock	ne #3	
					ı	12-SE-SE	28-23- 1 2	w		28-23	3-12w	
				-1			Struct	ural			Struct	ural
	1872	KB			1866	KB	Relatio	onship	1864	KB	Relatio	onship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	678	1194	673	1199	660	1206	-12	-7				
Howard	2823	-951	6		2817	-951	. 0		2			j.
Topeka	2920	-1048			2916	-1050	2					
Heebner	3238	-1366	3233	-1361	3233	-1367	1	6	7			
Toronto	3253	-1381	3250	-1378	3248	-1382	1	4	i i	6) S		
Douglas	3273	-1401	3268	-1396	3267	-1401	. 0	5		8 8		
Brown Lime	3378	-1506	3374	-1502	3373	-1507	1	5				
Lansing	3410	-1538	3406	-1534	3405	-1539	1	5	3405	-1541	3	7
Base KC	3661	-1789	3656	-1784	3656	-1790	1	6	i.	0 S		
Viola	3739	-1867	3726	-1854	3732	-1866	-1	12	3705	-1841	-26	-13
Simpson	3780	-1908	3776	-1904	3774	-1908	0	4	3774	-1910	2	6
Arbuckle	3846	-1974	3841	-1969	3842	-1976	2	7	3837	-1973	-1	4
Total Depth	3900	-2028	3938	-2066	3846	-1980			3846	-1982		



Rama Operating Company Inc.

101 S Main ST Stafford KS 67578+1429

ATTN: Josh Austin

28-23s-12w Stafford KS

Knoche #1-28

Job Ticket: 66891

DST#:1

Test Start: 2021.08.07 @ 07:35:00

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:10:27

Time Test Ended: 16:39:21

Interval: 3776.00 ft (KB) To 3851.00 ft (KB) (TVD)

Total Depth: 3851.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Reference Bevations: 18

1872.00 ft (KB) 1860.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6838 Inside

Press@RunDepth: 595.00 psig @ 3779.00 ft (KB) Capacity: psi

 Start Date:
 2021.08.07
 End Date:
 2021.08.07
 Last Calb.:
 2021.08.07

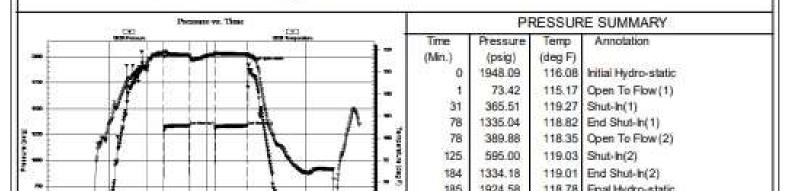
 Start Time:
 07:35:01
 End Time:
 18:39:21
 Time On Bim:
 2021.08.07 @ 10:10:22

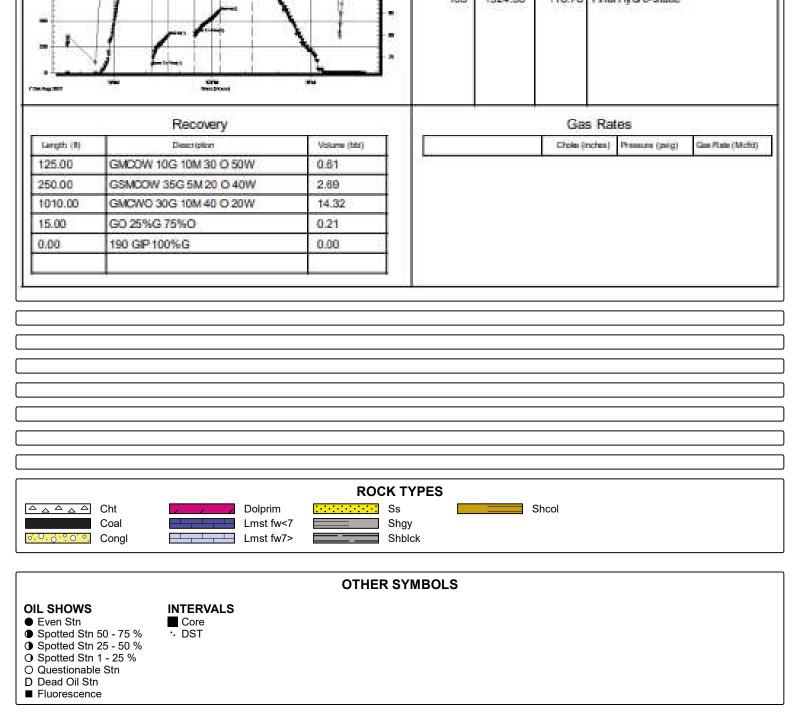
Time Off Blm: 2021.08.07 @ 13:15:17

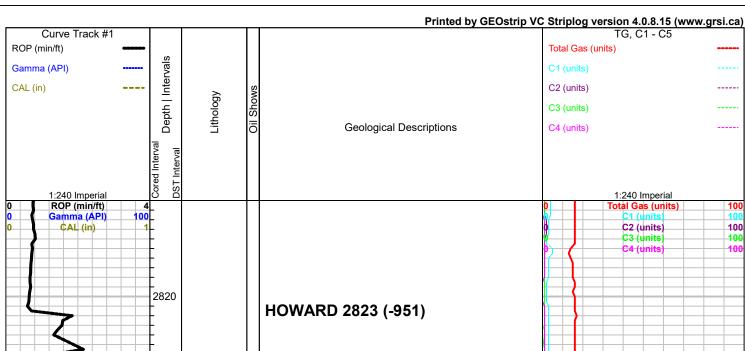
TEST COMMENT: 30-F-BOB 4 1/2 mins Built to 60°

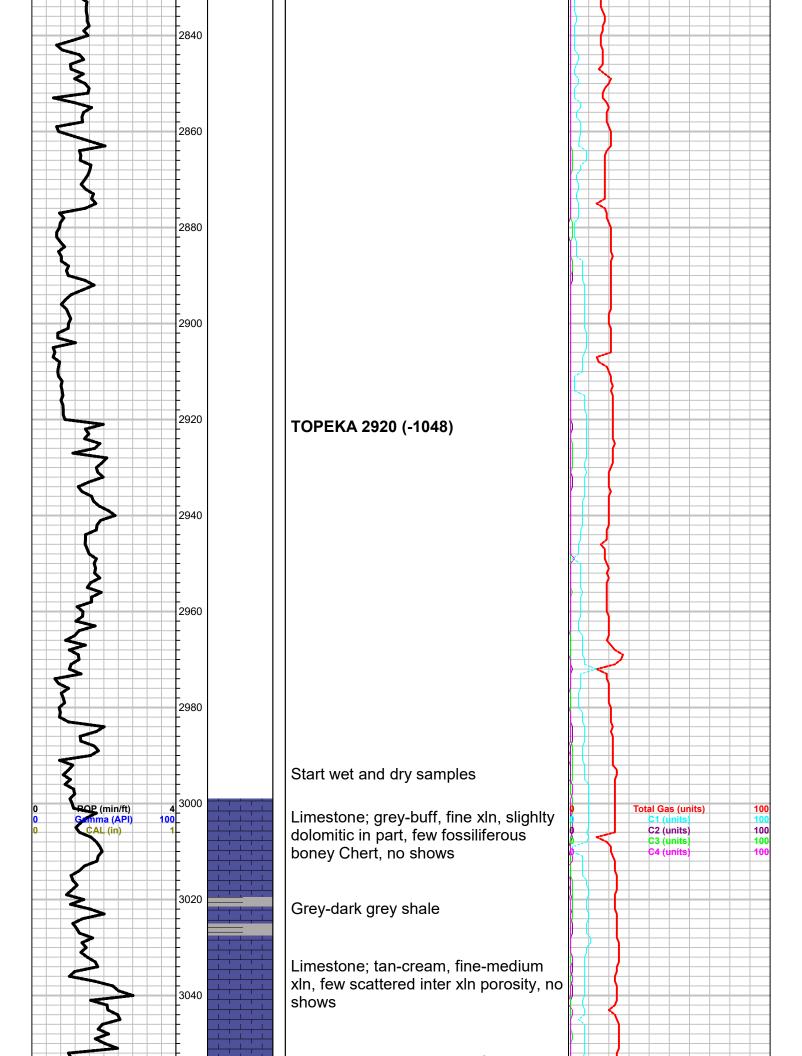
45-ISI-No Return

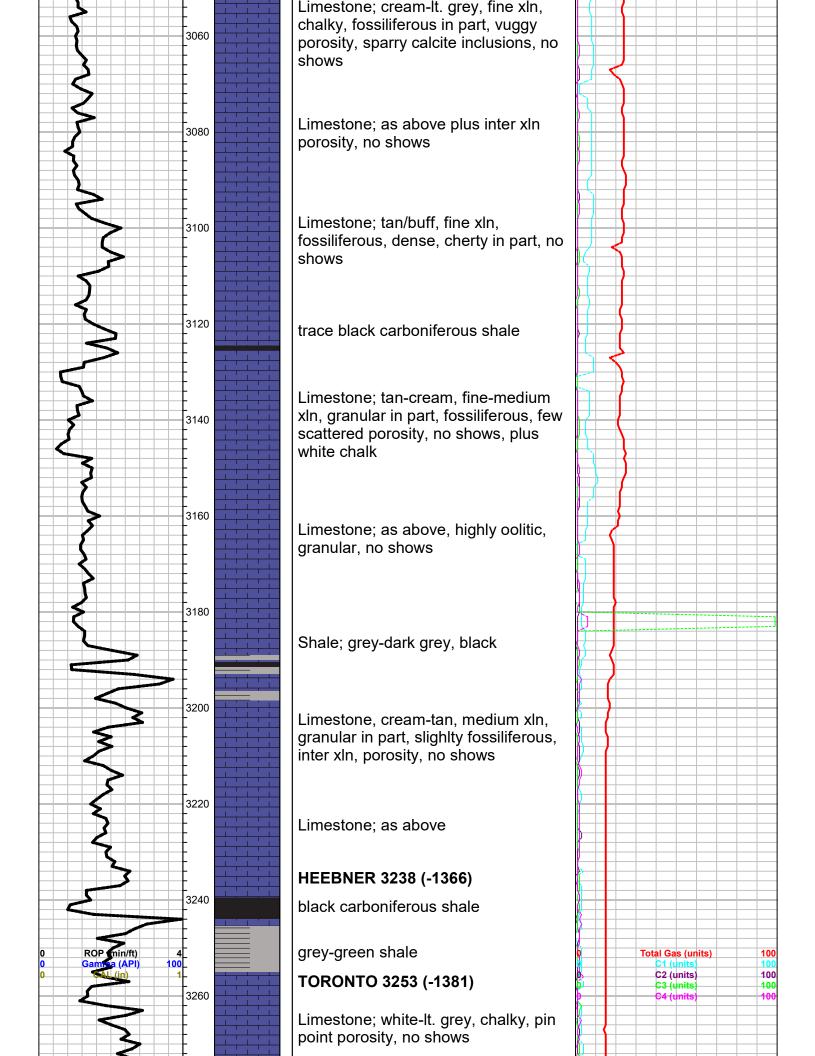
45-FF-BOB 5 mins Built to 71" 60-FSI-Weak Surface Died @ 15 mins

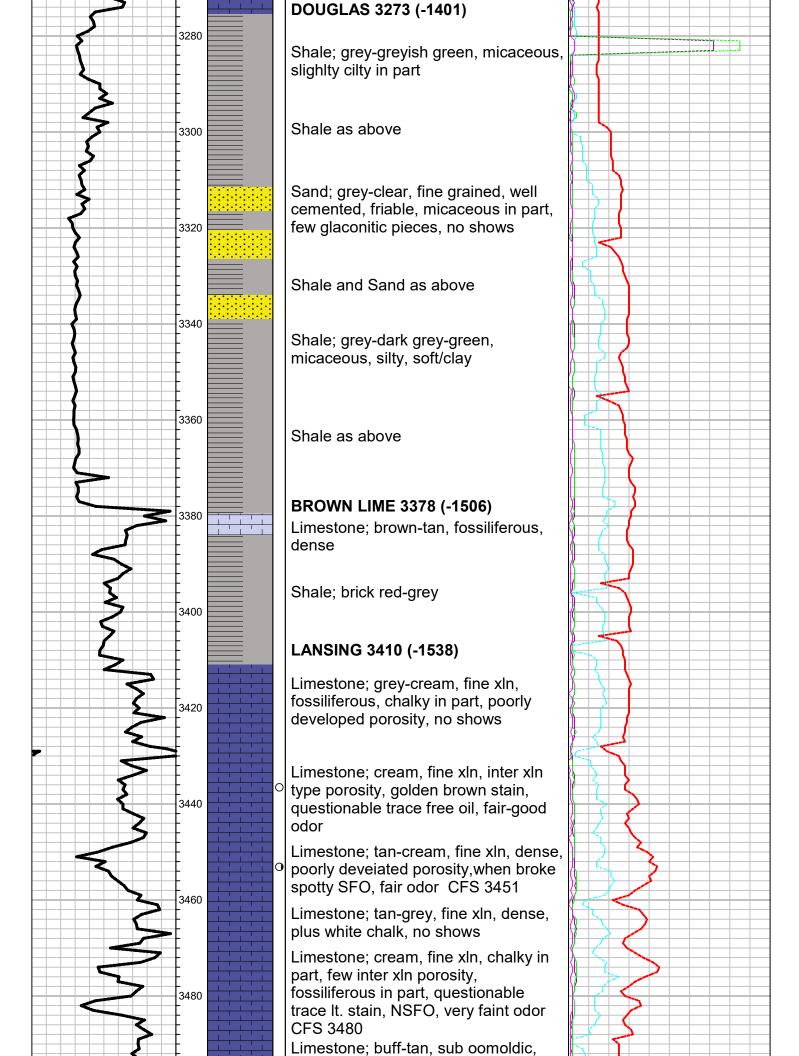


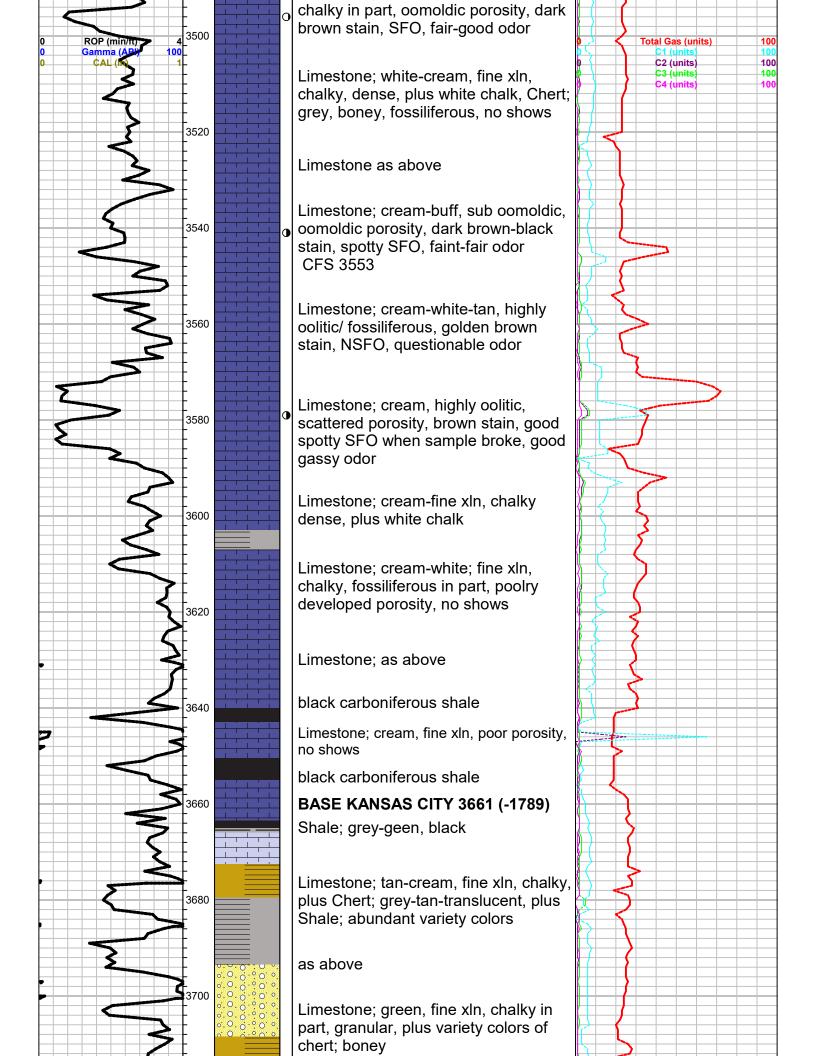


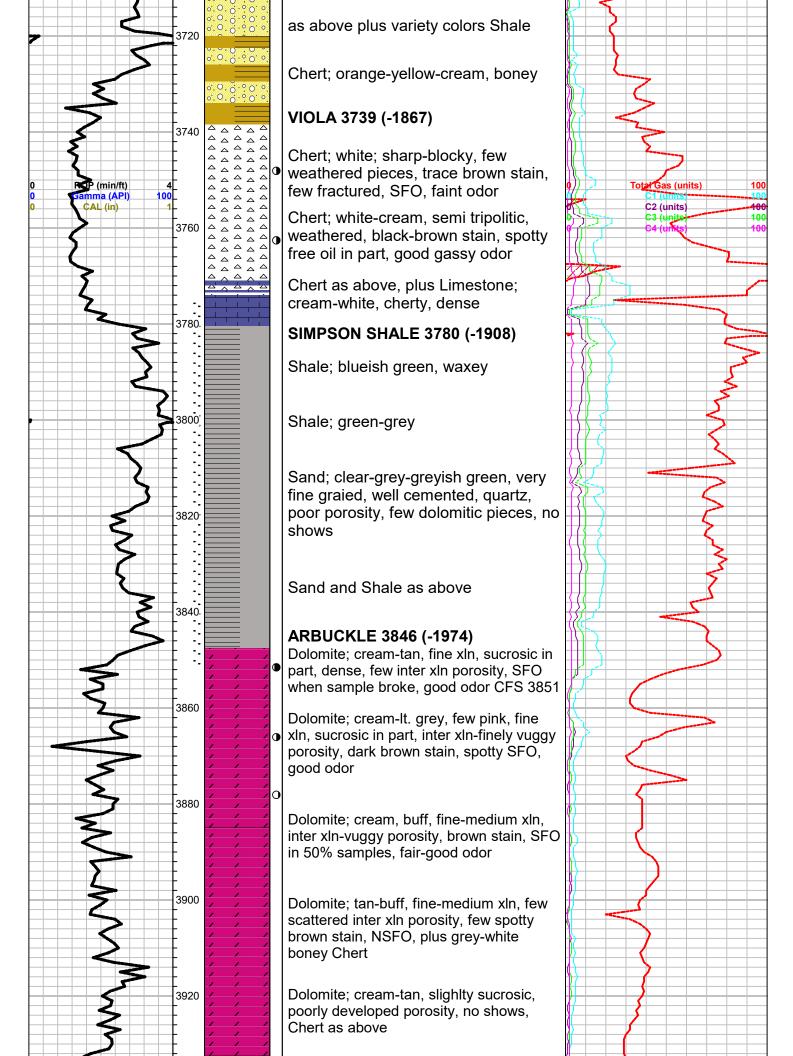
















Prepared For: Rama Operating Company Inc

101 S Main St Stafford KS 67578+1429

ATTN: Josh Austin

Knoche #1-28

28-23s-12w Stafford,KS

Start Date: 2021.08.07 @ 07:35:00 End Date: 2021.08.07 @ 16:39:21 Job Ticket #: 66891 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



Rama Operating Company Inc

28-23s-12w Stafford,KS

101 S Main St

Stafford KS 67578+1429

Knoche #1-28 Job Ticket: 66891

DST#: 1

ATTN: Josh Austin

Test Start: 2021.08.07 @ 07:35:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:10:27 Time Test Ended: 16:39:21

3776.00 ft (KB) To 3851.00 ft (KB) (TVD)

Total Depth: 3851.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Inside

Test Type: Conventional Bottom Hole (Initial) Tester: Spencer J Staab

Unit No: 84 Reference Elevations:

Capacity:

1872.00 ft (KB)

psig

1860.00 ft (CF) KB to GR/CF: 12.00 ft

Serial #: 6838

Interval:

3779.00 ft (KB) Press@RunDepth: 595.00 psig @

Start Date: 2021.08.07 End Date: 2021.08.07 Last Calib.: 2021.08.07 Start Time: 07:35:01 End Time: 16:39:21 Time On Btm: 2021.08.07 @ 10:10:22

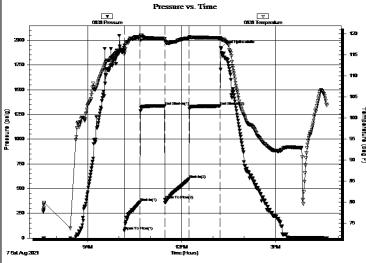
2021.08.07 @ 13:15:17 Time Off Btm:

PRESSURE SUMMARY

TEST COMMENT: 30-IF-BOB 4 1/2 mins Built to 60"

45-ISI-No Return

45-FF-BOB 5 mins Built to 71" 60-FSI-Weak Surface Died @ 15 mins



	Time	Pressure	Temp	Annotation	ı
	(Min.)	(psig)	(deg F)		l
	0	1948.09	116.08	Initial Hydro-static	
	1	73.42	115.17	Open To Flow (1)	
	31	365.51	119.27	Shut-In(1)	1
	78	1335.04	118.82	End Shut-In(1)	
	78	389.88	118.35	Open To Flow (2)	1
	125	595.00	119.03	Shut-In(2)	
Ć.	184	1334.18	119.01	End Shut-In(2)	1
9	185	1924.58	118.78	Final Hydro-static	1
					1
					1
					l
					1

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GMCOW 10G 10M 30 O 50W	0.61
250.00	GSMCOW 35G 5M 20 O 40W	2.69
1010.00	GMCWO 30G 10M 40 O 20W	14.32
15.00	GO 25%G 75%O	0.21
0.00	190 GIP 100%G	0.00

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

Ref. No: 66891 Trilobite Testing, Inc Printed: 2021.08.11 @ 11:26:08



Rama Operating Company Inc

28-23s-12w Stafford,KS

101 S Main St

Stafford KS 67578+1429

ATTN: Josh Austin

Knoche #1-28

Job Ticket: 66891 **DST#: 1**

Test Start: 2021.08.07 @ 07:35:00

84

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 10:10:27 Time Test Ended: 16:39:21

Interval:

3776.00 ft (KB) To 3851.00 ft (KB) (TVD) Reference ⊟evations:

Total Depth: 3851.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF:

1860.00 ft (CF)

1872.00 ft (KB)

KB to GR/CF: 12.00 ft

Spencer J Staab

Serial #: 8875 Outside

Press@RunDepth: psig @ 3779.00 ft (KB) Capacity: psig

Start Date: 2021.08.07 End Date: 2021.08.07 Last Calib.: 2021.08.07

Start Time: 07:35:01 End Time: 16:39:21 Time On Btm:

Time Off Btm:

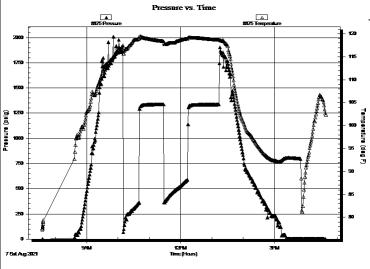
Tester:

Unit No:

TEST COMMENT: 30-IF-BOB 4 1/2 mins Built to 60"

45-ISI-No Return

45-FF-BOB 5 mins Built to 71" 60-FSI-Weak Surface Died @ 15 mins



PRESSURE SUMMARY

- 1							
1	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
: I							
Temperatura (den E)							
5							

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GMCOW 10G 10M 30 O 50W	0.61
250.00	GSMCOW 35G 5M 20 O 40W	2.69
1010.00	GMCWO 30G 10M 40 O 20W	14.32
15.00	GO 25%G 75%O	0.21
0.00	190 GIP 100%G	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------

Trilobite Testing, Inc Ref. No: 66891 Printed: 2021.08.11 @ 11:26:08



TOOL DIAGRAM

Rama Operating Company Inc

Stafford KS 67578+1429

28-23s-12w Stafford, KS

101 S Main St

Knoche #1-28 Job Ticket: 66891

DST#: 1

2000.00 lb

ATTN: Josh Austin

Test Start: 2021.08.07 @ 07:35:00

Tool Information

Drill Pipe: Length: 3570.00 ft Diameter: 3.82 inches Volume: 50.61 bbl Tool Weight: 2.75 inches Volume: - bbl Heavy Wt. Pipe: Length: ft Diameter: 1.07 bbl Drill Collar: Length: 217.00 ft Diameter: 2.25 inches Volume: Total Volume: Tool Chased - bbl

Weight set on Packer: 25000.00 lb Weight to Pull Loose: 79000.00 lb

Drill Pipe Above KB: 32.00 ft Depth to Top Packer: 3776.00 ft String Weight: Initial 67000.00 lb

Depth to Bottom Packer: ft Interval between Packers: 75.00 ft

Final 73000.00 lb

Tool Length: 96.00 ft

Number of Packers: 1 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3756.00		
Change Over Sub	1.00			3757.00		
Shut In Tool	5.00			3762.00		
Hydraulic tool	5.00		Fluid	3767.00		
Packer	5.00			3772.00	21.00	Bottom Of Top Packer
Packer	4.00			3776.00		
Stubb	1.00			3777.00		
Perforations	1.00			3778.00		
Change Over Sub	1.00			3779.00		
Recorder	0.00	6838	Inside	3779.00		
Recorder	0.00	8875	Outside	3779.00		
Drill Pipe	63.00			3842.00		
Change Over Sub	1.00			3843.00		
Perforations	5.00			3848.00		
Bullnose	3.00			3851.00	75.00	Bottom Packers & Anchor

Total Tool Length: 96.00

Trilobite Testing, Inc Ref. No: 66891 Printed: 2021.08.11 @ 11:26:09



FLUID SUMMARY

Rama Operating Company Inc

28-23s-12w Stafford, KS

101 S Main St

Knoche #1-28

Job Ticket: 66891

DST#: 1

ATTN: Josh Austin

Stafford KS 67578+1429

Test Start: 2021.08.07 @ 07:35:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: 38 deg API

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 31500 ppm

Viscosity: 51.00 sec/qt Cushion Volume: bbl

Water Loss: 9.59 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3500.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	GMCOW 10G 10M 30 O 50W	0.615
250.00	GSMCOW 35G 5M 20 O 40W	2.692
1010.00	GMCWO 30G 10M 40 O 20W	14.317
15.00	GO 25%G 75%O	0.213
0.00	190 GIP 100%G	0.000

Total Length: 1400.00 ft Total Volume: 17.837 bbl

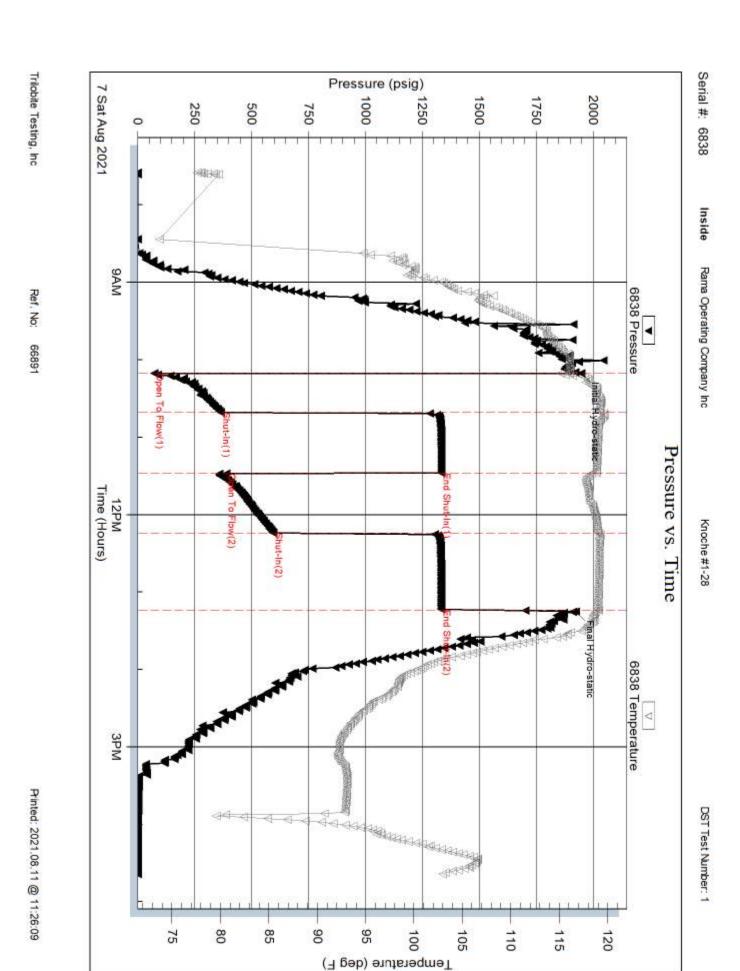
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

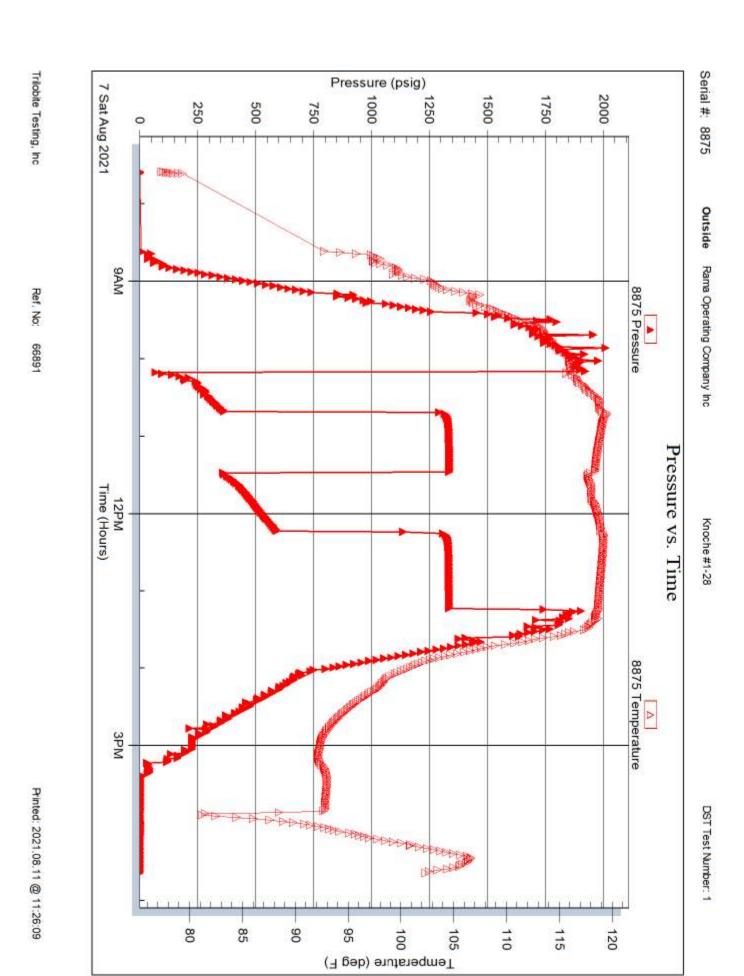
Laboratory Name: Laboratory Location:

Recovery Comments: 1#LCM

RW=.170@90F

Trilobite Testing, Inc Ref. No: 66891 Printed: 2021.08.11 @ 11:26:09







RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 66891

4/10		·
Well Name & No. Knoche #1-28	Test No.	
Company Rame Operating	o Inc Elevation	n <u>1872</u> кв gl
Address 101 S. Main 57	Stalford 9	G 67578+1429
Co. Rep/Geo. Jashua austin	P16 24	terling #4
Location: Sec. 28 Twp 234	Age. Ru Co The	tafford State
Interval Tested 3776' - 3851'	Zone Tested Orland	le
Anchor Length 75 ¹	Drill Pipe Run 3570) ' Mud Wt
Top Packer Depth 3771	Drill Collars Run 217'	Vis
Bottom Packer Depth 3776	Wt. Pipe Run	wl 9,6
Total Depth 3851	Chlorides 3500	ppm System
Blow Description 27-BOB 42m	in; Built to 6	60"
ISI- No Return		Trus aggrees.
47-BOB 5 mins Bu	ilt to 71"	
751 Weak Surface: Di	ed @ 15 min	
Rec Feet of	25 %gas	75 %oil %water %mud
Rec 1010 Feet of GMC WO	30%gas	
Rec 250 Feet of GSMCOW	35 %gas	20 %oil 40 %water 5 %mud
Rec 125 Feet of GMC OW	/6 %gas	90 %oil 50 %water 10 %mud
Rec Feet of 190' GIP	NOO %gas	%oil %water %mud
Rec Total 1480 BHT 1190		70 @ 90 °F Chlorides <u>31,500</u> ppm
(A) Initial Hydrostatic 1949	Test1300	T-On Location <u>06:55</u>
(B) First Initial Flow 73	☐ Jars	T-Started <u>07:35</u>
(C) First Final Flow365	□ Safety Joint	T-Open_/0.06
(D) Initial Shut-In 1335	☐ Circ Sub	T-Pulled / 3:06
(E) Second Initial Flow 389	Hourly Standbyx . 5hr	
(F) Second Final Flow	Mileage 5227 65	Comments Resided offer
(G) Final Shut-In	☐ Sampler	762
(H) Final Hydrostatic 1924	☐ Straddle	
	☐ Shale Packer	<u> </u>
Initial Open <u>30</u>	Extra Packer	
Initial Shut-In 45	☐ Extra Recorder	
Final Flow 45	Day Standby	
Final Shut-In 60	Accessibility	Total 1415
-	Sub Total 1415	MP/DST Disc't
Approved By	Our Representa	

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