KOLAR Document ID: 1359640

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 _ 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:
	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.):	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 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)
Described	Chloride content: ppm Fluid volume: bbls
☐ Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if flauled offsite.
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: 1359640

#### Page Two

Operator Name:					Lease Nam	ne:			Well #:	
SecTw	pS.	R	East	t West	County:					
open and closed, and flow rates if $\mathfrak q$	, flowing and gas to surface ty Log, Final	shut-in pressi e test, along v Logs run to ol	ures, who vith final btain Geo	ether shut-in pre chart(s). Attach ophysical Data a	ssure reached extra sheet if r and Final Electr	static nore s	level, hydrostat space is needed	ic pressures, bo I.	ottom hole tempe	val tested, time tool erature, fluid recovery, v. Digital electronic log
Drill Stem Tests T			Y	⁄es		Lo	g Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to		urvey	Y	∕es □ No	1	Name			Тор	Datum
Cores Taken Electric Log Run Geologist Report List All E. Logs R	t / Mud Logs	ŕ	Y	′es □ No ′es □ No ′es □ No						
			Rep	CASING ort all strings set-c	RECORD [	New		on. etc.		
Purpose of Str	ring	Size Hole Drilled	Si	ze Casing et (In O.D.)	Weight Lbs. / Ft.	0,	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	CEMENTING /	SQUE	EEZE RECORD			
Purpose: Perforate	Т	Depth op Bottom	Тур	e of Cement	# Sacks Use	ed		Type and	Percent Additives	
Protect Ca										
Plug Off Zo										
Did you perform     Does the volume     Was the hydrauli	e of the total ba	se fluid of the h	nydraulic fr	acturing treatment		•	Yes S? Yes	No (If No, s	kip questions 2 an kip question 3) Il out Page Three	,
Date of first Produc Injection:	ction/Injection	or Resumed Pro	oduction/	Producing Meth  Flowing	nod:  Pumping		Gas Lift O	ther (Explain)		
Estimated Produc Per 24 Hours		Oil E	3bls.	Gas	Mcf	Water	· Bb	ols.	Gas-Oil Ratio	Gravity
DISPO	OSITION OF G	AS: sed on Lease		M Open Hole	METHOD OF COI	MPLET		nmingled	PRODUCTIO Top	DN INTERVAL: Bottom
	ed, Submit ACO-			Сроптою	_	Submit A		mit ACO-4)		
Shots Per	Perforation	Perfora	ition	Bridge Plug	Bridge Plug		Acid,	Fracture, Shot, Ce	ementing Squeeze	Record
Foot	Тор	Botto	m	Type	Set At			(Amount and Kir	nd of Material Used)	
TUBING RECORE	D: Siz	э:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Chizum Oil, LLC
Well Name	QUENZER 1-27
Doc ID	1359640

# 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	24	344	Surface Blend 2	2%gel 3%cc

Chizum Oil LLC



# DRILL STEM TEST REPORT

Prepared For: Chizum Oil LLC

PO Box 123 Andover, KS 67002

ATTN: Tim Priest

## Quenzer #1-27

# 27-07s-37w Sherman,KS

Start Date: 2017.06.25 @ 14:25:44 End Date: 2017.06.25 @ 19:53:14 Job Ticket #: 63820 DST #: 1

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.06.30 @ 14:02:03



Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27

DST#: 1

Andover, KS 67002

Job Ticket: 63820

Test Start: 2017.06.25 @ 14:25:44

ATTN: Tim Priest

GENERAL INFORMATION:

Formation: LKC H-J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:23:44 Time Test Ended: 19:53:14

Interval: 4347.00 ft (KB) To 4430.00 ft (KB) (TVD)

Total Depth: 4430.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Initial)

Unit No:

**Brandon Turley** 

Reference Elevations:

Tester:

3417.00 ft (KB)

3412.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166 Press@RunDepth:

Start Date:

Start Time:

Outside

22.54 psig @ 2017.06.25

4348.00 ft (KB)

2017.06.25

Capacity: Last Calib.:

8000.00 psig

14:25:49

End Date: End Time:

19:53:13

Time On Btm:

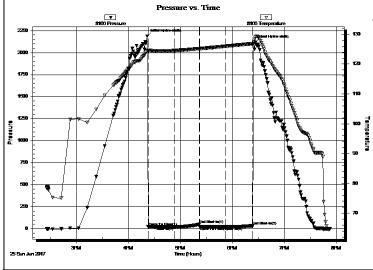
2017.06.25 2017.06.25 @ 16:21:44

Time Off Btm:

2017.06.25 @ 18:26:44

TEST COMMENT: IF: 1/4" blow died in 10 min.

IS: No return FF: No blow. FS: No return.



4				
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2186.00	124.47	Initial Hydro-static
	2	24.04	124.65	Open To Flow (1)
	31	21.98	124.53	Shut-In(1)
	60	50.17	125.15	End Shut-In(1)
١	61	23.45	125.15	Open To Flow (2)
	91	22.54	125.97	Shut-In(2)
	122	34.66	126.83	End Shut-In(2)
	125	2116.92	129.01	Final Hydro-static

PRESSURE SUMMARY

#### Recovery

Description	Volume (bbl)
mud 100%m	0.02

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

Trilobite Testing, Inc. Ref. No: 63820 Printed: 2017.06.30 @ 14:02:03



Chizum Oil LLC

PO Box 123

Andover, KS 67002 Job Ticket: 63820

Time (Min.)

ATTN: Tim Priest Test Start: 2017.06.25 @ 14:25:44

## GENERAL INFORMATION:

Formation: LKC H-J

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

Time Tool Opened: 16:23:44

Tester: Brandon Turley
Time Test Ended: 19:53:14

Unit No: 79

Interval: 4347.00 ft (KB) To 4430.00 ft (KB) (TVD) Reference ⊟evations: 3417.00 ft (KB)

Total Depth: 4430.00 ft (KB) (TVD) 3412.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8875 Inside

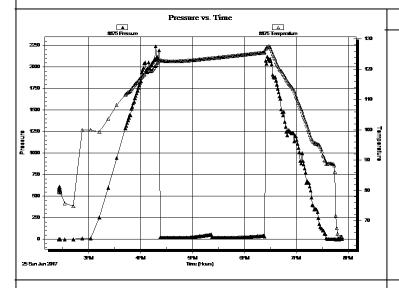
 Press@RunDepth:
 psig
 @
 4348.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2017.06.25 End Date: 2017.06.25 Last Calib.: 2017.06.25

Start Time: 14:25:32 End Time: 19:52:26 Time On Btm: Time Off Btm:

TEST COMMENT: IF: 1/4" blow died in 10 min.

IS: No return. FF: No blow . FS: No return.



Pressure		Annotation
(psig)	(deg F)	

PRESSURE SUMMARY

27-07s-37w Sherman,KS

DST#: 1

Quenzer #1-27

#### Recovery

Description	Volume (bbl)
mud 100%m	0.02
	•

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

Trilobite Testing, Inc Ref. No: 63820 Printed: 2017.06.30 @ 14:02:03



TOOL DIAGRAM

Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27

Job Ticket: 63820

DST#: 1

Andover, KS 67002 ATTN: Tim Priest

Test Start: 2017.06.25 @ 14:25:44

**Tool Information** 

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4223.00 ft Diameter: Length:

0.00 ft Diameter: 118.00 ft Diameter: 3.80 inches Volume: 59.24 bbl 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

0.00 bbl 0.58 bbl 59.82 bbl Tool Weight: 1500.00 lb Weight set on Packer: 30000.00 lb Weight to Pull Loose: 70000.00 lb

Tool Chased 0.00 ft String Weight: Initial 60000.00 lb

Final 60000.00 lb

Drill Pipe Above KB: 14.00 ft Depth to Top Packer: 4347.00 ft

Depth to Bottom Packer: ft Interval between Packers: 83.00 ft Tool Length: 103.00 ft

Number of Packers:

2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4328.00		
Shut In Tool	5.00			4333.00		
Hydraulic tool	5.00			4338.00		
Packer	5.00			4343.00	20.00	Bottom Of Top Packer
Packer	4.00			4347.00		
Stubb	1.00			4348.00		
Recorder	0.00	8875	Inside	4348.00		
Recorder	0.00	8166	Outside	4348.00		
Perforations	11.00			4359.00		
Change Over Sub	1.00			4360.00		
Drill Pipe	64.00			4424.00		
Change Over Sub	1.00			4425.00		
Bullnose	5.00			4430.00	83.00	Bottom Packers & Anchor

**Total Tool Length:** 103.00

Printed: 2017.06.30 @ 14:02:04 Trilobite Testing, Inc Ref. No: 63820



**FLUID SUMMARY** 

Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27

Andover, KS 67002

Job Ticket: 63820

DST#: 1

ATTN: Tim Priest

Test Start: 2017.06.25 @ 14:25:44

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil API:0 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 61.00 sec/qt Cushion Volume: bbl

8.79 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 4000.00 ppm Filter Cake: 1.00 inches

## **Recovery Information**

Water Loss:

## Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

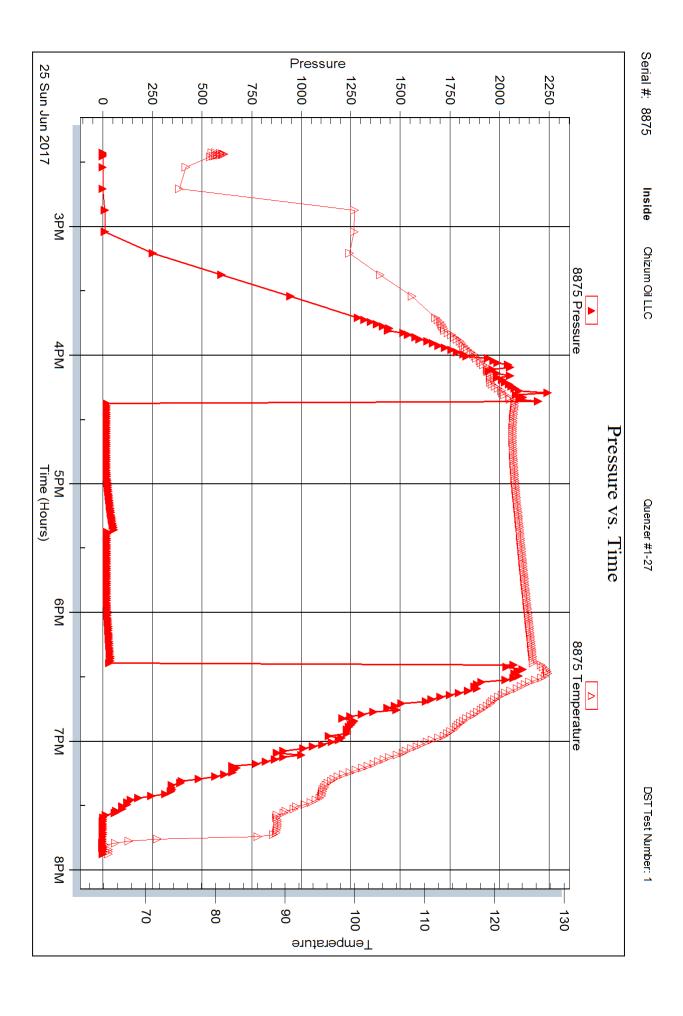
Trilobite Testing, Inc Ref. No: 63820 Printed: 2017.06.30 @ 14:02:04

Trilobite Testing, Inc

Ref. No:

63820

Printed: 2017.06.30 @ 14:02:04



Trilobite Testing, Inc

Ref. No: 63820

Printed: 2017.06.30 @ 14:02:04

LKC L - Altamont A



# DRILL STEM TEST REPORT

Prepared For: **Chizum Oil LLC** 

> PO Box 123 Andover, KS 67002

ATTN: Tim Priest

# Quenzer #1-27

# 27-07s-37w Sherman,KS

Start Date: 2017.06.26 @ 09:58:48 End Date: 2017.06.26 @ 16:34:18 Job Ticket #: 63821 DST#: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Chizum Oil LLC

PO Box 123

Andover, KS 67002

27-07s-37w Sherman,KS

Quenzer #1-27

Job Ticket: 63821

Reference Elevations:

Tester:

DST#: 2

ATTN: Tim Priest Test Start: 2017.06.26 @ 09:58:48

#### GENERAL INFORMATION:

Formation: LKC L - Altamont A

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

Time Tool Opened: 11:52:18 Time Test Ended: 16:34:18

Interval: 4473.00 ft (KB) To 4550.00 ft (KB) (TVD)

Total Depth: 4550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Unit No: 79

**Brandon Turley** 

3417.00 ft (KB) 3412.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 40.13 psig @ 4478.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2017.06.26
 End Date:
 2017.06.26
 Last Calib.:
 2017.06.26

 Start Time:
 09:58:53
 End Time:
 16:34:17
 Time On Btm:
 2017.06.26 @ 11:51:18

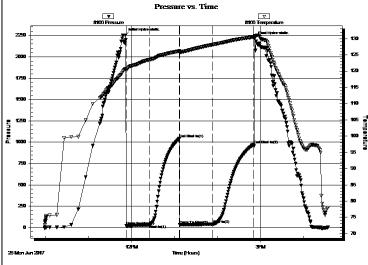
 Time Off Btm:
 2017.06.26 @ 14:51:48

TEST COMMENT: IF: 1/4" blow built to 1"

IS: No return.

FF: Surface blow built to 1/2"

FS: No return.



	PRESSURE SUMMARY					
Ī	Time	e Pressure Temp		Annotation		
	(Min.)	(psig)	(deg F)			
	0	2253.39	120.65	Initial Hydro-static		
	1	23.56	120.01	Open To Flow (1)		
	34	33.62	123.49	Shut-In(1)		
	76	1042.31	126.15	End Shut-In(1)		
	76	34.77	125.86	Open To Flow (2)		
	122	40.13	128.14	Shut-In(2)		
2	179	974.31	130.46	End Shut-In(2)		
	181	2210.15	130.82	Final Hydro-static		

DDECCLIDE CLIMMADY

#### Recovery

Length (ft)	Description	Volume (bbl)
20.00	ocm 5%o 95%m	0.10
* Recovery from m	ultiple tests	

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

Gas Rates

Trilobite Testing, Inc Ref. No: 63821 Printed: 2017.06.30 @ 13:57:48



Chizum Oil LLC

PO Box 123

Andover, KS 67002

ATTN: Tim Priest

27-07s-37w Sherman,KS

Quenzer #1-27

Job Ticket: 63821 DST#: 2

Test Start: 2017.06.26 @ 09:58:48

## GENERAL INFORMATION:

Formation: LKC L - Altamont A

Deviated: Whipstock: No ft (KB)

Time Tool Opened: 11:52:18 Time Test Ended: 16:34:18

Interval: 4473.00 ft (KB) To 4550.00 ft (KB) (TVD)

Total Depth: 4550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Reset)

Tester: **Brandon Turley** 

Unit No:

3417.00 ft (KB)

8000.00 psig

Reference Elevations:

3412.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8875 Inside

Press@RunDepth: 4478.00 ft (KB) psig @

Start Date: 2017.06.26 End Date:

Start Time:

09:58:05 End Time: 2017.06.26

16:33:29

Capacity:

Last Calib.:

2017.06.26

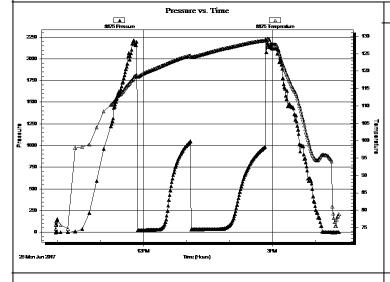
Time On Btm: Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 1"

IS: No return.

FF: Surface blow built to 1/2"

FS: No return.



Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	

#### Recovery

Length (ft)	Description	Volume (bbl)			
20.00	ocm 5%o 95%m	0.10			
* Recovery from multiple tests					

#### Gas Rates

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

Trilobite Testing, Inc. Ref. No: 63821 Printed: 2017.06.30 @ 13:57:48



**TOOL DIAGRAM** 

Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27

Andover, KS 67002

Job Ticket: 63821 DST#: 2

ATTN: Tim Priest

Test Start: 2017.06.26 @ 09:58:48

**Tool Information** 

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4348.00 ft Diameter: Length:

2

0.00 ft Diameter: 118.00 ft Diameter: 3.80 inches Volume: 60.99 bbl 0.00 inches Volume: 2.25 inches Volume: Total Volume:

0.00 bbl 0.58 bbl 61.57 bbl Tool Weight: 1500.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 75000.00 lb Tool Chased 0.00 ft

String Weight: Initial 62000.00 lb Final 62000.00 lb

Drill Pipe Above KB: 9.00 ft Depth to Top Packer: 4473.00 ft

Depth to Bottom Packer: ft Interval between Packers: 81.00 ft 97.00 ft Tool Length:

Number of Packers: Tool Comments:

Diameter: 6.75 inches

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4458.00		
Shut In Tool	5.00			4463.00		
Hydraulic tool	5.00			4468.00		
Packer	5.00			4473.00	16.00	Bottom Of Top Packer
Packer - Shale	4.00			4477.00		
Stubb	1.00			4478.00		
Recorder	0.00	8875	Inside	4478.00		
Recorder	0.00	8166	Outside	4478.00		
Perforations	5.00			4483.00		
Change Over Sub	1.00			4484.00		
Drill Pipe	64.00			4548.00		
Change Over Sub	1.00			4549.00		
Bullnose	5.00			4554.00	81.00	Anchor Tool

Total Tool Length: 97.00

Trilobite Testing, Inc Ref. No: 63821 Printed: 2017.06.30 @ 13:57:48



**FLUID SUMMARY** 

Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27

Andover, KS 67002

Job Ticket: 63821 **DST#: 2** 

ATTN: Tim Priest

Test Start: 2017.06.26 @ 09:58:48

**Mud and Cushion Information** 

Mud Type:Gel ChemCushion Type:Oil API:0 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:63.00 sec/qtCushion Volume:bbl

Water Loss: 7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 4400.00 ppm Filter Cake: 1.00 inches

## **Recovery Information**

## Recovery Table

Length ft	Description	Volume bbl
20.00	ocm 5%o 95%m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

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

Laboratory Name: Laboratory Location:

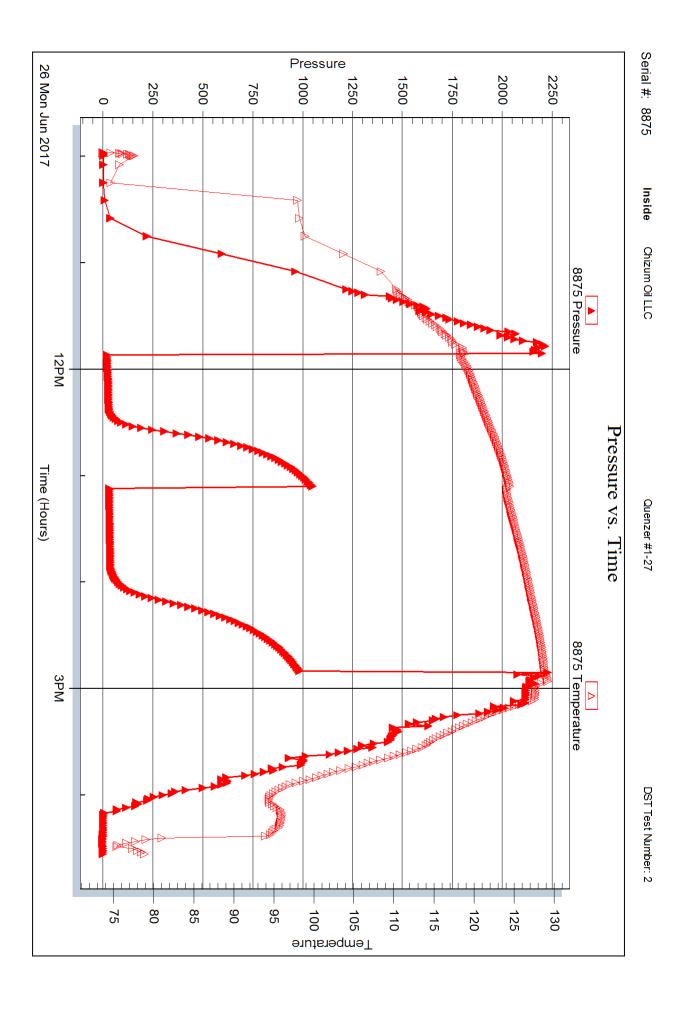
Recovery Comments:

Trilobite Testing, Inc Ref. No: 63821 Printed: 2017.06.30 @ 13:57:48

Trilobite Testing, Inc

Ref. No: 63821

Printed: 2017.06.30 @ 13:57:48



Trilobite Testing, Inc

Ref. No: 63821

Printed: 2017.06.30 @ 13:57:49



Prepared For: Chizum Oil LLC

PO Box 123 Andover, KS 67002

ATTN: Tim Priest

# Quenzer #1-27

# 27-07s-37w Sherman,KS

Start Date: 2017.06.27 @ 04:43:20 End Date: 2017.06.27 @ 13:58:20 Job Ticket #: 63822 DST #: 3

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27 Job Ticket: 63822

DST#: 3

Andover, KS 67002

Test Start: 2017.06.27 @ 04:43:20

ATTN: Tim Priest

GENERAL INFORMATION:

Formation: Altamont B-C

Deviated: Whipstock: ft (KB)

Time Tool Opened: 06:57:20 Time Test Ended: 13:58:20

Interval: 4564.00 ft (KB) To 4600.00 ft (KB) (TVD)

Total Depth: 4600.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Reset)

Tester: **Brandon Turley** 

Unit No:

3417.00 ft (KB)

Reference Elevations:

3412.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166

Start Time:

Outside

174.13 psig @

4569.00 ft (KB)

End Time:

2017.06.27

Capacity:

8000.00 psig

Press@RunDepth: Start Date: 2017.06.27 End Date: 04:43:25

13:58:20

Last Calib.: Time On Btm: 2017.06.27

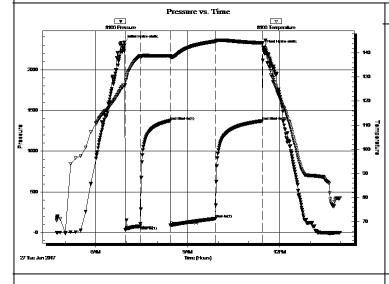
2017.06.27 @ 06:55:50 Time Off Btm: 2017.06.27 @ 11:28:20

TEST COMMENT: IF: 1/4" blow built to 8"

IS: Surface blow built to 1/2" died in 40 min.

FF: BOB in 35 min.

FS: Surface blow built to 3/4"



# PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2332.59	126.61	Initial Hydro-static
2	36.08	126.75	Open To Flow (1)
31	82.25	138.80	Shut-In(1)
90	1373.94	138.78	End Shut-In(1)
90	90.43	138.32	Open To Flow (2)
179	174.13	144.85	Shut-In(2)
271	1371.40	144.16	End Shut-In(2)
273	2274.78	142.19	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 90%w 10%m	0.69
179.00	mcw 70%w 30%m	2.51
41.00	go 10%g 90%o	0.58
0.00	221 GIP	0.00
* Recovery from mul	tiple tests	

#### Gas Rates

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

Ref. No: 63822 Trilobite Testing, Inc. Printed: 2017.06.30 @ 13:47:34



Chizum Oil LLC

27-07s-37w Sherman,KS

DST#: 3

Quenzer #1-27

PO Box 123

Andover, KS 67002 Job Ticket: 63822

ATTN: Tim Priest Test Start: 2017.06.27 @ 04:43:20

GENERAL INFORMATION:

Formation: Altamont B-C

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

Time Tool Opened: 06:57:20 Tester: Brandon Turley
Time Test Ended: 13:58:20 Unit No: 79

Interval: 4564.00 ft (KB) To 4600.00 ft (KB) (TVD) Reference ⊟evations: 3417.00 ft (KB)

Total Depth: 4600.00 ft (KB) (TVD) 3412.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8875 Inside

 Press@RunDepth:
 psig
 @
 4569.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2017.06.27 End Date: 2017.06.27 Last Calib.: 2017.06.27

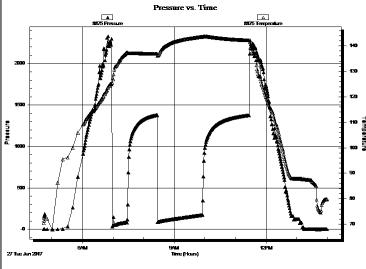
Start Time: 04:44:02 End Time: 13:58:57 Time On Btm: Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 8"

IS: Surface blow built to 1/2" died in 40 min.

FF: BOB in 35 min.

FS: Surface blow built to 3/4"



PI	RESSUR	RE S	SUN	ΛN	MARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	

#### Recovery

Length (ft)	Description	Volume (bbl)				
126.00	mcw 90%w 10%m	0.69				
179.00	mcw 70%w 30%m	2.51				
41.00	go 10%g 90%o	0.58				
0.00	221 GIP	0.00				
* Recovery from multiple tests						

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 63822 Printed: 2017.06.30 @ 13:47:35



TOOL DIAGRAM

Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27 Job Ticket: 63822

DST#: 3

Andover, KS 67002

ATTN: Tim Priest

Test Start: 2017.06.27 @ 04:43:20

**Tool Information** 

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4441.00 ft Diameter: Length:

0.00 ft Diameter: 118.00 ft Diameter: 3.80 inches Volume: 62.30 bbl 0.00 inches Volume: 2.25 inches Volume: Total Volume:

0.00 bbl 0.58 bbl 62.88 bbl Tool Weight: 1500.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 75000.00 lb Tool Chased

0.00 ft String Weight: Initial 62000.00 lb

Final 64000.00 lb

Drill Pipe Above KB: 11.00 ft Depth to Top Packer: 4564.00 ft

Depth to Bottom Packer: ft Interval between Packers: 40.00 ft Tool Length: 56.00 ft

Number of Packers:

2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4549.00		
Shut In Tool	5.00			4554.00		
Hydraulic tool	5.00			4559.00		
Packer	5.00			4564.00	16.00	Bottom Of Top Packer
Packer - Shale	4.00			4568.00		
Stubb	1.00			4569.00		
Recorder	0.00	8875	Inside	4569.00		
Recorder	0.00	8166	Outside	4569.00		
Perforations	30.00			4599.00		
Bullnose	5.00			4604.00	40.00	Anchor Tool

**Total Tool Length:** 56.00

Printed: 2017.06.30 @ 13:47:35 Trilobite Testing, Inc Ref. No: 63822



**FLUID SUMMARY** 

Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27

Job Ticket: 63822

DST#: 3

ATTN: Tim Priest

Andover, KS 67002

Test Start: 2017.06.27 @ 04:43:20

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil API:31 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:68000 ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:63.00 sec/qtCushion Volume:bbl

7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 4400.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

Water Loss:

## Recovery Table

Length ft	Description	Volume bbl
126.00	mcw 90%w 10%m	0.693
179.00	mcw 70%w 30%m	2.511
41.00	go 10%g 90%o	0.575
0.00	221 GIP	0.000

Total Length: 346.00 ft Total Volume: 3.779 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 34@90=31

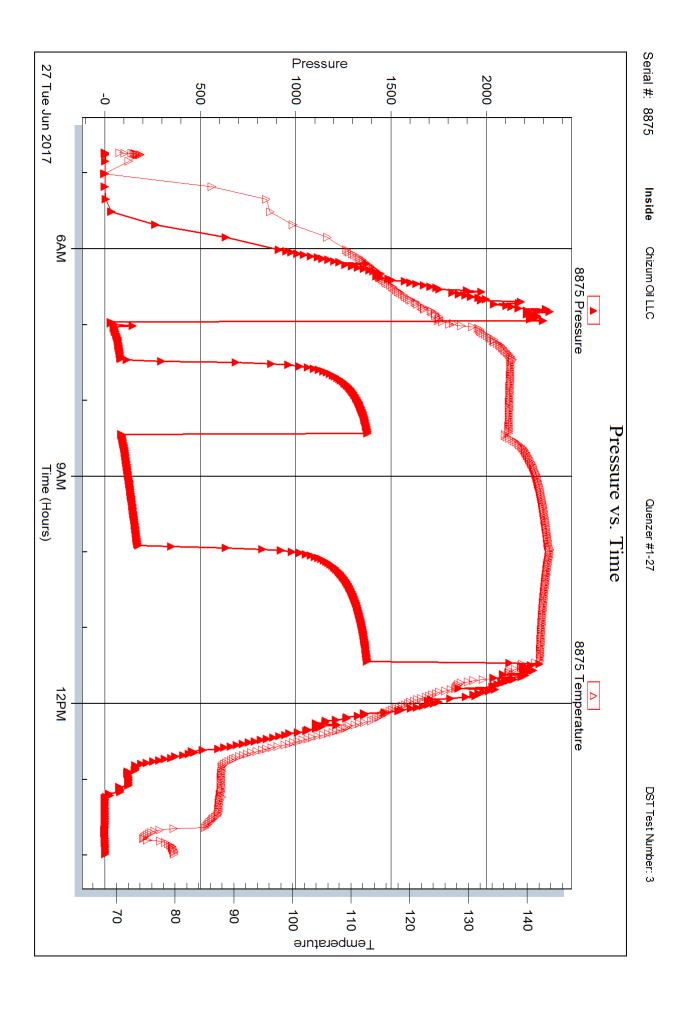
.09@88=68000

Trilobite Testing, Inc Ref. No: 63822 Printed: 2017.06.30 @ 13:47:35

Trilobite Testing, Inc

Ref. No: 63822

Printed: 2017.06.30 @ 13:47:35



Printed: 2017.06.30 @ 13:47:35



Prepared For: Chizum Oil LLC

PO Box 123 Andover, KS 67002

ATTN: Tim Priest

# Quenzer #1-27

# 27-07s-37w Sherman,KS

Start Date: 2017.06.27 @ 23:11:25 End Date: 2017.06.28 @ 05:52:55 Job Ticket #: 63823 DST #: 4

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Chizum Oil LLC

PO Box 123

27-07s-37w Sherman,KS

Quenzer #1-27

Job Ticket: 63823

DST#: 4

ATTN: Tim Priest

Andover, KS 67002

Test Start: 2017.06.27 @ 23:11:25

## GENERAL INFORMATION:

Formation: Paw nee

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:44:25 Time Test Ended: 05:52:55

Interval: 4605.00 ft (KB) To 4640.00 ft (KB) (TVD)

Total Depth: 4640.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Reset)

Tester: Unit No:

**Brandon Turley** 

3417.00 ft (KB)

Reference Elevations:

3412.00 ft (CF)

KB to GR/CF: 5.00 ft

2017.06.28 @ 01:42:55

Serial #: 8166 Outside

Press@RunDepth: 4610.00 ft (KB) 20.10 psig @

Start Date: 2017.06.27 End Date: Start Time: 23:11:30

End Time:

2017.06.28 05:52:54 Capacity:

Time On Btm:

8000.00 psig

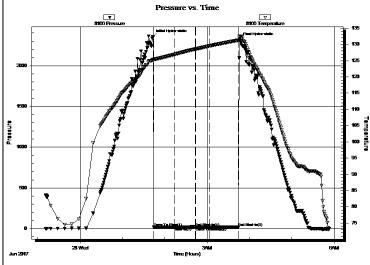
Last Calib.: 2017.06.28

Time Off Btm: 2017.06.28 @ 03:45:55

DDECCLIDE CLIMANADY

TEST COMMENT: IF: 1/4" blow died in 14 min.

IS: No return FF: No blow. FS: No return.



	PRESSURE SUMMARY						
1	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	2353.98	125.23	Initial Hydro-static			
	2	18.76	125.27	Open To Flow (1)			
	32	19.41	126.95	Shut-In(1)			
	61	21.88	128.56	End Shut-In(1)			
1	61	18.24	128.59	Open To Flow (2)			
	81	20.10	129.53	Shut-In(2)			
•	122	19.56	131.27	End Shut-In(2)			
	123	2318.46	132.52	Final Hydro-static			

#### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02
* Recovery from mult	iple tests	

Gas Rat	es	
Choke (inches)	Proceure (peig)	Gas Pate (Mof/d)

Trilobite Testing, Inc. Ref. No: 63823 Printed: 2017.06.30 @ 13:46:12



Chizum Oil LLC

PO Box 123

Andover, KS 67002

ATTN: Tim Priest

27-07s-37w Sherman,KS

Quenzer #1-27

Job Ticket: 63823

Test Start: 2017.06.27 @ 23:11:25

## GENERAL INFORMATION:

Formation: Paw nee

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:44:25 Time Test Ended: 05:52:55

Interval: 4605.00 ft (KB) To 4640.00 ft (KB) (TVD)

Total Depth: 4640.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Reset)

Tester: **Brandon Turley** 

Unit No:

Reference Elevations:

3417.00 ft (KB)

3412.00 ft (CF)

DST#: 4

KB to GR/CF: 5.00 ft

Serial #: 8875 Inside

Press@RunDepth: 4610.00 ft (KB) psig @

Start Date: 2017.06.27 End Date: End Time:

Start Time: 23:11:40 Capacity: Last Calib.:

8000.00 psig 2017.06.28

Time On Btm:

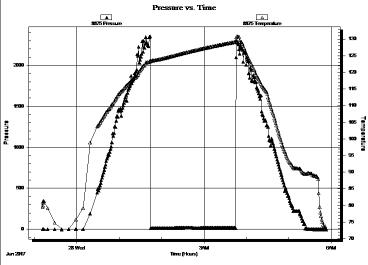
Time Off Btm:

2017.06.28

05:53:04

TEST COMMENT: IF: 1/4" blow died in 14 min.

IS: No return. FF: No blow. FS: No return.



PRESSURE S	SUMMARY
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1	Time	Pressure	Temp	Annotation
	/Min \		(dog F)	7 (III) otation
	(Min.)	(psig)	(deg F)	
ا ـ				
Temperature				
i				
5				

#### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02
* Recovery from mult	iple tests	

#### Gas Rates

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

Trilobite Testing, Inc. Ref. No: 63823 Printed: 2017.06.30 @ 13:46:12



**TOOL DIAGRAM** 

Anchor Tool

Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27 Job Ticket: 63823

39.00

DST#: 4

Andover, KS 67002

ATTN: Tim Priest

Test Start: 2017.06.27 @ 23:11:25

**Tool Information** 

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar: Length:

Length: 4474.00 ft Diameter: 0.00 ft Diameter: 118.00 ft Diameter:

3.80 inches Volume: 62.76 bbl 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

0.00 bbl 0.58 bbl 63.34 bbl Tool Weight: 1500.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 70000.00 lb Tool Chased

0.00 ft

Drill Pipe Above KB: 3.00 ft Depth to Top Packer: 4605.00 ft

Depth to Bottom Packer: Interval between Packers: 39.00 ft

55.00 ft

ft

String Weight: Initial 63000.00 lb

Final 63000.00 lb

Tool Length: Number of Packers:

Tool Comments:

Bullnose

2 Diameter:

5.00

6.75 inches

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4590.00		
Shut In Tool	5.00			4595.00		
Hydraulic tool	5.00			4600.00		
Packer	5.00			4605.00	16.00	Bottom Of Top Packer
Packer - Shale	4.00			4609.00		
Stubb	1.00			4610.00		
Recorder	0.00	8875	Inside	4610.00		
Recorder	0.00	8166	Outside	4610.00		
Perforations	29.00			4639.00		

4644.00

**Total Tool Length:** 55.00

Trilobite Testing, Inc Ref. No: 63823 Printed: 2017.06.30 @ 13:46:13



**FLUID SUMMARY** 

Chizum Oil LLC 27-07s-37w Sherman,KS

PO Box 123 Quenzer #1-27

Andover, KS 67002 Job Ticket: 63823 DST#: 4

ATTN: Tim Priest Test Start: 2017.06.27 @ 23:11:25

**Mud and Cushion Information** 

0 deg API Mud Type: Gel Chem Cushion Type: Oil API: 0 ppm

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

Viscosity: 57.00 sec/qt Cushion Volume: bbl

Water Loss: 9.59 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 6000.00 ppm Filter Cake: 1.00 inches

## **Recovery Information**

## Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Volume: 0.025 bbl Total Length: 5.00 ft

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

Laboratory Name: Laboratory Location:

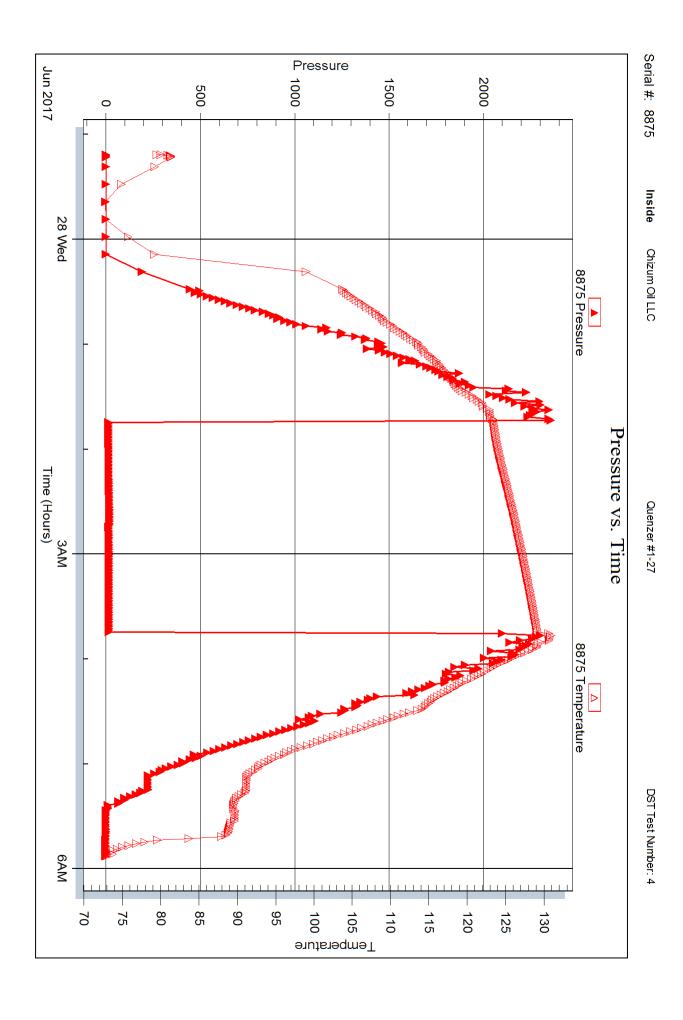
Recovery Comments:

Trilobite Testing, Inc Printed: 2017.06.30 @ 13:46:13 Ref. No: 63823

Trilobite Testing, Inc

Ref. No: 63823

Printed: 2017.06.30 @ 13:46:13



Trilobite Testing, Inc

Ref. No: 63823

Printed: 2017.06.30 @ 13:46:13



Prepared For: Chizum Oil LLC

PO Box 123 Andover, KS 67002

ATTN: Tim Priest

# Quenzer #1-27

# 27-07s-37w Sherman,KS

Start Date: 2017.06.28 @ 19:30:16 End Date: 2017.06.29 @ 02:33:16 Job Ticket #: 63824 DST #: 5

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.06.30 @ 13:45:01



Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27

Tester:

Unit No:

Job Ticket: 63824

79

Test Start: 2017.06.28 @ 19:30:16

ATTN: Tim Priest

Andover, KS 67002

GENERAL INFORMATION:

Formation: Myric Station - Cher

Test Type: Conventional Bottom Hole (Reset) Deviated: Whipstock: ft (KB)

Time Tool Opened: 21:23:46 Time Test Ended: 02:33:16

Interval: 4639.00 ft (KB) To 4725.00 ft (KB) (TVD)

Total Depth: 4725.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Reference Elevations: 3417.00 ft (KB)

**Brandon Turley** 

3412.00 ft (CF)

DST#: 5

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 4644.00 ft (KB) Capacity: 87.27 psig @ 8000.00 psig

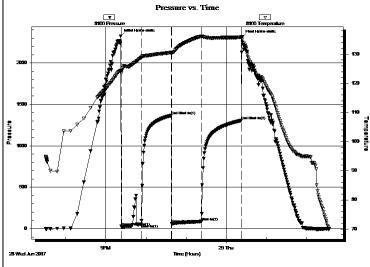
Start Date: 2017.06.28 End Date: 2017.06.29 Last Calib.: 2017.06.29 Start Time: 19:30:21 End Time: 02:33:15 Time On Btm: 2017.06.28 @ 21:22:16 2017.06.29 @ 00:23:46 Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 2 1/2"

IS: No return.

FF: Surface blow built to 1 3/4"

FS: No return.



Ī	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	2323.31	124.34	Initial Hydro-static	
	2	22.36	124.44	Open To Flow (1)	
	31	55.05	128.80	Shut-In(1)	
	76	1365.27	130.57	End Shut-In(1)	
1	76	60.16	130.27	Open To Flow (2)	
	121	87.27	136.10	Shut-In(2)	
	180	1306.06	135.85	End Shut-In(2)	
	182	2312.43	134.99	Final Hydro-static	
				-	

Cac Datas

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)		
120.00	120.00 mcw 90%w 10%m			
30.00	30.00 w cm oil spots 5%w 95%m			
* Recovery from multiple tests				

Ous rui	.00	
Choko (inohoo)	Drocoure (poig)	Coo Roto (Mof/d)

Ref. No: 63824 Trilobite Testing, Inc. Printed: 2017.06.30 @ 13:45:01



Chizum Oil LLC

27-07s-37w Sherman,KS

Quenzer #1-27

PO Box 123

Job Ticket: 63824

Tester:

Unit No:

Andover, KS 67002

DST#: 5

ATTN: Tim Priest

Test Start: 2017.06.28 @ 19:30:16

**Brandon Turley** 

## GENERAL INFORMATION:

Formation: Myric Station - Cher

Test Type: Conventional Bottom Hole (Reset) Deviated: Whipstock: ft (KB)

Time Tool Opened: 21:23:46 Time Test Ended: 02:33:16

> 4639.00 ft (KB) To 4725.00 ft (KB) (TVD) Reference Elevations: 3417.00 ft (KB)

Total Depth: 4725.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

3412.00 ft (CF)

Serial #: 8875 Inside

Interval:

Press@RunDepth: 4644.00 ft (KB) psig @

Capacity: 8000.00 psig End Date: 2017.06.29 Last Calib.: 2017.06.29

Start Date: 2017.06.28 Start Time: 19:30:49 End Time: Time On Btm: 02:33:13

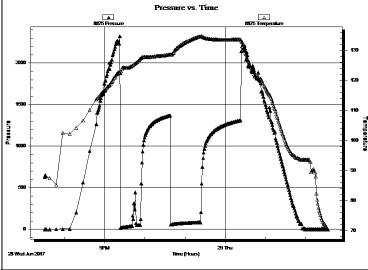
Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 2 1/2"

IS: No return.

FF: Surface blow built to 1 3/4"

FS: No return.



PRESSURE S	SUMMARY
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1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	, ,	57	, ,	
.				
To Manager and I am				
1				

#### Recovery

Length (ft)	Description	Volume (bbl)		
120.00	120.00 mcw 90%w 10%m			
30.00	30.00 w cm oil spots 5%w 95%m			
* Recovery from multiple tests				

#### Gas Rates

CI	noke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Ref. No: 63824 Trilobite Testing, Inc. Printed: 2017.06.30 @ 13:45:01



Total Volume:

**TOOL DIAGRAM** 

Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27 Job Ticket: 63824

DST#: 5

Andover, KS 67002

ATTN: Tim Priest

Test Start: 2017.06.28 @ 19:30:16

**Tool Information** 

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4505.00 ft Diameter: 0.00 ft Diameter:

2

3.80 inches Volume: 0.00 inches Volume: 118.00 ft Diameter: 2.25 inches Volume:

63.19 bbl 0.00 bbl 0.58 bbl

63.77 bbl

Tool Weight: Weight set on Packer: 25000.00 lb Weight to Pull Loose: 70000.00 lb

1500.00 lb

Drill Pipe Above KB: 0.00 ft Depth to Top Packer:

Length:

4639.00 ft Depth to Bottom Packer: ft Tool Chased 0.00 ft String Weight: Initial 63000.00 lb

Final 63000.00 lb

Interval between Packers: 90.00 ft Tool Length: 106.00 ft

Number of Packers:

Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4624.00		
Shut In Tool	5.00			4629.00		
Hydraulic tool	5.00			4634.00		
Packer	5.00			4639.00	16.00	Bottom Of Top Packer
Packer - Shale	4.00			4643.00		
Stubb	1.00			4644.00		
Recorder	0.00	8875	Inside	4644.00		
Recorder	0.00	8166	Outside	4644.00		
Perforations	14.00			4658.00		
Change Over Sub	1.00			4659.00		
Drill Pipe	64.00			4723.00		
Change Over Sub	1.00			4724.00		
Bullnose	5.00			4729.00	90.00	Anchor Tool

**Total Tool Length:** 106.00

Printed: 2017.06.30 @ 13:45:01 Trilobite Testing, Inc Ref. No: 63824



**FLUID SUMMARY** 

Chizum Oil LLC

27-07s-37w Sherman,KS

PO Box 123

Quenzer #1-27

Andover, KS 67002

Job Ticket: 63824

DST#: 5

ATTN: Tim Priest

Test Start: 2017.06.28 @ 19:30:16

#### **Mud and Cushion Information**

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API

Viscosity: 56.00 sec/qt Cushion Volume: bbl

Water Loss: 8.79 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 6200.00 ppm Filter Cake: 1.00 inches

## **Recovery Information**

## Recovery Table

Length ft	Description	Volume bbl
120.00	mcw 90%w 10%m	0.608
30.00	wcmoil spots 5%w 95%m	0.421

Total Length: 150.00 ft Total Volume: 1.029 bbl

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

Laboratory Name: Laboratory Location:

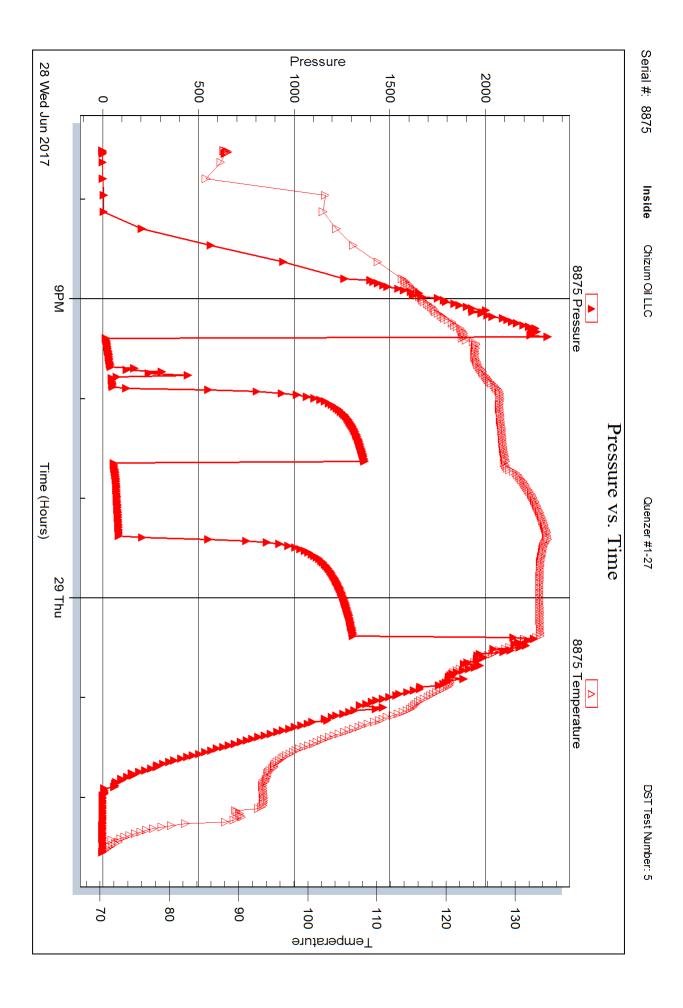
Recovery Comments: .25@60=32000

Trilobite Testing, Inc Ref. No: 63824 Printed: 2017.06.30 @ 13:45:02

Trilobite Testing, Inc

Ref. No: 63824

Printed: 2017.06.30 @ 13:45:02



Trilobite Testing, Inc

Ref. No: 63824

Printed: 2017.06.30 @ 13:45:02



# **Test Ticket**

NO.

63820

4710 apault.					
Well Name & No. Quenzer /	-27	Test No.	/	Date 6-25-	17
Company Chizum oil La	LC	Elevation 3	A	кв 3412	GL
Address P.O. Box 123 And	dover , K:	5 6700	2		
Co. Rep/Geo. Tim Priest	•	Rig	VW#	2	
Location: Sec. 27 Twp. 0	Rge. 37	_co5he	mon	State 5	5
Interval Tested 4347 4430	Zone Tested	HYJ			
Anchor Length83	_ Drill Pipe Run	4223	Mı	ud Wt	(
Top Packer Depth 4342	_ Drill Collars Run	128		6/	
Bottom Packer Depth 4347	Wt. Pipe Run		w	8.8	
Total Depth	Chlorides 40	200 ppm	System LC	M_ Z_	
Blow Description IF: 14 blow	' died	in 10	min.		
TS: No retury	1.				
FF: No blow.					
F5: No return	<b>1</b> ·				
Rec5 Feet of Mud		%gas	%oil	%water /	00 %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total 5 BHT 12-6	Gravity	API RW@	°F C	hlorides	ppm
(A) Initial Hydrostatic 2/86	Test1150			tion 12:00	
(B) First Initial Flow 24	□ Jars		T-Started	14:25	5
(C) First Final Flow	☐ Safety Joint		T-Open	16:27	
(D) Initial Shut-In	☑ Circ Sub	16	T-Pulled _		
(E) Second Initial Flow	☐ Hourly Standby _			20:00	12024
(F) Second Final Flow	Mileage 200		Comments	out of	TOWN
(G) Final Shut-In3 4	☐ Sampler		-		
(H) Final Hydrostatic 21/6	☐ Straddle			J Ob - I - D - I -	
-	☑ Shale Packer		- Hamet	d Shale Packer	
Initial Open 30	□ Extra Packer			d Packer	
Initial Shut-In	☐ Extra Recorder _		- LAUG	Copies	
Final Flow 30	☐ Day Standby		7 Charles Commission	1550	
Final Shut-In 30	☐ Accessibility			Disc't	
2 2000 200 200 200	Sub Total 1550		IVIF/DST	DISCI	_
Approved By		r Representative	5	-	

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# RILOBITE ESTING INC. 1515 Commerce Parkway • Hays, Kansas 67601

## **Test Ticket**

NO.

63821

4/10 270-16.					
Well Name & No. Quenzer 1	-27	Test No.	2	Date 6-26	-17
Company Chizum oil L	40			The second secon	
Address					
Co. Rep/Geo. Tim Prizst		Rig	ww	, #2_	
Location: Sec. 27 Twp. 07	Rge 3 7	_ Co	,		K5
Interval Tested 4473 455	Zone Tested	Ld A	1/tomont	A	
Anchor Length	Drill Pipe Run _	434	8	Mud Wt. 9./	
Top Packer Depth 4469				Vis _ 63	
Bottom Packer Depth				WL 8.0	
Total Depth 4550	Chlorides 44	100	opm System	LCM 2	
Blow Description	built to				
	m,				
FFI Surface b	low built	to 1/2	. ,		
F3: NO retur					
Rec 20 Feet of 6 cm		%gas	5 %oil	%water	95 %muc
Rec Feet of		%gas	%oil	%water	%muc
Rec Feet of		%gas	%oil	%water	%muc
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total BHT	Gravity	API RW	_@°	F Chlorides	ppm
(A) Initial Hydrostatic 2253	Test1150			ocation 9:3	
(B) First Initial Flow 23	☐ Jars		T-Start	ed 9.58	3
(C) First Final Flow33	☐ Safety Joint		T-Ope	11:51	
(D) Initial Shut-In	Circ Sub 1	116	T-Pulle		
(E) Second Initial Flow34	☐ Hourly Standby _		T-Out	1	<u> </u>
(F) Second Final Flow	Mileage Zoc		Comm	ents_Ouf	of tow
(G) Final Shut-In 974	☐ Sampler_				
(H) Final Hydrostatic 22/0	Straddle 2		Z 0.	deed Obele Deelee	050
	☐ Shale Packer_			ined Shale Packer_	
Initial Open 30	☐ Extra Packer			ined Packer	
Initial Shut-In45	☐ Extra Recorder		- L	tra Copies otal 350	
Final Flow 45	☐ Day Standby			1900	
Final Shut-In 60	☐ Accessibility				
	Sub Total1550		IVIF/D	ST Disc't	-
Approved By		Representative			
ADDIOVED DV	Oui	nepresentative		The state of the s	

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# RILOBITE ESTING INC. 1515 Commerce Parkway • Hays, Kansas 67601

### **Test Ticket**

NO.

63822

Well Name & No. Quenzer	1-27	Test No. 3	Date 6-27-17
Company Chizum oil	LLC		417 KB 3412 GL
Address		an entitles Association (1990). A	
Co. Rep/Geo. Tim Prizst		Rig WU	U#2
Location: Sec. 27 Twp. 07	Rge370	o. Sher	man State 155
Interval Tested 4564 460 (	Zone Tested A	4 mont	B-C
Anchor Length		4441	Mud Wt
Top Packer Depth 4559		118.	Vis63
Bottom Packer Depth 4564	Wt. Pipe Run		WL8,0
Total Depth 4600	Chlorides 440	ppm Sy	stem LCM Z
Blow Description			
IS! Surface	blow built to	1/2 died	in 40 min.
FF: BoB in.	35 min		
FSI surface bi	ow built to		
Rec Feet of		7 %gas 90	%oil %water %mud
RecFeet of _MCW		%gas	%oil >0 %water 30 %mud
Rec 126 Feet of MCW		%gas	%oil 90 %water 10 %mud
Rec Feet of	IP	%gas	%oil %water %mud
RecFeet of		%gas	%oil %water %mud
	_ Gravity _3/ API	RW , 0 9@	88 °F Chlorides <u>68,000 ppm</u>
(A) Initial Hydrostatic	型 Test1150		T-On Location 4.'20
(B) First Initial Flow36	☐ Jars	c	T-Started 4143
(C) First Final Flow8Z	☐ Safety Joint		T-Open 6:57
(D) Initial Shut-In	Circ Sub		T-Pulled
(E) Second Initial Flow	☐ Hourly Standby		T-Out 14:00
(F) Second Final Flow	Mileage 200 -	150	Comments out of town
(G) Final Shut-In	☐ Sampler		
(H) Final Hydrostatic 2274	☐ Straddle		☐ Ruined Shale Packer
	Shale Packer 250		☐ Ruined Packer
Initial Open 30	☐ Extra Packer		☐ Extra Copies
Initial Shut-In 60	☐ Extra Recorder		Sub Total0
Final Flow	☐ Day Standby		Total 1550
Final Shut-In 90	☐ Accessibility		MP/DST Disc't
	Sub Total 1550		
Approved By		presentative	5



# RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

### **Test Ticket**

NO.

63823

3105-51-54 CA (1-500-52) /					
Well Name & No. QUENZER	1-27	Test No.	4	Date 6-27-	17
Company Chizum Oil	440	Elevation	5417	KB 341	2GL
Address					
Co. Rep / Geo. Tim Pr	ie5+	Rig	11W#	2	
Location: Sec. 27 Twp. 07	7Rge37	_co5h.		State	15
		Pawnee			
Anchor Length3	Drill Pipe Hun	4474	Mu	ıd Wt. <u>9.3</u>	
Top Packer Depth 460			Vis	57	
Bottom Packer Depth 460	wt. ripe null_		WI	9,6	
Total Depth	Chlorides	6000 ppn	n System LC	M_ Z_	
Blow Description	) died in	The state of the s			
The state of the s	turn.				
	ow,				
F51 NO re	The state of the s				
Rec_ 5 Feet of Mud		%gas	%oil	%water /	00 %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total	Gravity	API RW	⊕ °F C	hlorides	ppm
(A) Initial Hydrostatic 2.3.5.3	Test_ 1150			tion _22:13	
(B) First Initial Flow	□ Jars			23:11	
(C) First Final Flow	Safety Joint		T-Open	1:44	
(D) Initial Shut-In	Circ Sub 1		T-Pulled		
(E) Second Initial Flow	☐ Hourly Standby		T-Out	5:55	
(F) Second Final Flow	Mileage 200		Comments	344 08	town
(G) Final Shut-In	□ Sampler		-		
(H) Final Hydrostatic 23/8	Straddle				
(1) 1	_			d Shale Packer	
Initial Open	Shale Packer_		- Ruined	d Packer	
2 1				Copies	
30	Extra Recorder			0	
Final Flow	250				
Final Shut-In			MP/DST	Disc't	
	Sub Total1550		5		
Approved By	O	ur Representative		June	

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

# **Test Ticket**

NO.

63824

Well Name & No. Quenzer 1	-27 Test No.	5	Date 6-28-17
Company Chizum oil h	¿C Elevation	3417	KB_3412 GL
Address			
Co. Rep / Geo. Tim Pries	** Rig	ww	#2
Location: Sec Twp 7	-7 7	hermy.	7State <i>KS</i>
Interval Tested 4639 4723	5 Zone Tested M5 - F	5-CK	
Anchor Length86	Drill Pipe Run450.	5	Mud Wt
Top Packer Depth 463	Drill Collars Run		Vis56
Bottom Packer Depth	Wt. Pipe Run		WL 8,8
Total Depth 472	5 Chlorides 6200	ppm System	LCM
Blow Description	built to 2/2	,	
IS: No retu	m.		
FF: Surface	blow built to	134,	
Fs: No retui	$\gamma$ ,		
Rec 30 Feet of www oil	1 5pot5 %gas	%oil	5 %water 95 %mi
Rec 120 Feet of MUNS	%gas	%oil	90 %water 10 %mi
Rec Feet of	%gas	%oil	%water %mu
Rec Feet of	%gas	%oil	%water %mu
Rec Feet of	%gas	%oil	%water %mi
Rec Total/50	Gravity API RW2	5 @ 60°	F Chlorides 32,000 pp
(A) Initial Hydrostatic 2323	☑ Test1150	T-On L	ocation 18:45
(B) First Initial Flow 2Z	□ Jars	T-Start	red 19:30
(C) First Final Flow	☐ Safety Joint	T-Oper	
(D) Initial Shut-In	Circ Sub WIC	T-Pulle	
(E) Second Initial Flow	☐ Hourly Standby	T-Out	0 /
(F) Second Final Flow	Mileage 200- 300	Comm	
(G) Final Shut-In	☐ Sampler	loa	ded tools 6/29 12:45
(H) Final Hydrostatic 23/2	☐ Straddle		
	Shale Packer 250	U NO	ined Shale Packer
Initial Open			ined Packer
Initial Shut-In	Extra Packer		tra Copies
Final Flow 45	☐ Extra Recorder		otal 0 1700
Final Shut-In 60	☐ Day Standby		
	Accessibility Sub Total1700	MP/D	ST Disc't
Approved By	Our Benresentat		
DIRECTOR OF THE PROPERTY OF TH	Ulir Henrecontat	11/63	

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



#### **REMIT TO**

MAIN OFFICE

P.O.Box884 Chanute,KS 66720 620/431-9210,1-800/467-8676 Fax 620/431-0012

QES Pressure Pumping LLC Dept:970 P.O.Box 4346 Houston,TX 77210-4346

\_\_\_\_\_\_

Invoice# 810526

Invoice Date: 06/22/17 Terms: Net 30 Page 1

CHIZUM OIL LLC

P.O. BOX 178 SAPULPA OK 74067

USA

9187608146

QUENZER 1-27

Part No	Description	Quantity	Unit Price Dis	scount(%)	Total
CE0471	Cement Pump Charge 301' - 500' (Coalbed/Methane)	1.000	1,150.0000	30.000	805.00
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	30.000	200.20
CE0710	Cement Delivery Charge	1.000	855.4000	30.000	598.78
CC5871	Surface Blend II, 2% Gel/3% CaCl	260.000	23.0000	30.000	4,186.00
			S	ubtotal	8,271.40
			Discounted A	mount	2,481.42
			SubTotal After Di	scount	5,789.98

\_\_\_\_\_\_

Amount Due 8,794.65 If paid after 07/22/17

Tax:

366.28

Total:

6,156.26



TICKET NUMBER\_ FOREMAN Miles Shaw

45

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT CEMENT

1 10 1=		******	. NAME & NUM	BEK	SECTION	TOWNSHIP	RANGE	COUNTY
6-19-17	C88	Quenzer	1-27		27	75	37W	Shorma
USTOMER				Brausterk				
MILING ADDRE	soil LLC	***************************************		West word	TRUCK#	DRIVER	TRUCK#	DRIVER
ALLING ADDRE	200			35 Nho4	753	TRUNGW		
				70 44 W	566	Stewaro		
ITY	*	STATE	ZIP CODE	Sinto				
	^	L	1/11					
OB TYPE SE	0	HOLE SIZE 12	14	HOLE DEPTH		_ CASING SIZE & V		4" 24#
LURRY WEIGH	and the state of t	DRILL PIPE SLURRY VOL	1.36.		k	CEMENT LEFT in	OTHER	n/
	20.5615			MIX PSI		RATE	CASING ZC	
FMARKS:	Cal con	Line de al	10	11/10/1	1 - 0	RATE		2 21 -
- C L-	1 TT BL	ring and	nis won	3861	1 mg 1 15 7	display 20%	(1)	1. x 4609
actar o	rend It Dag	assa cem	entwith	Jocalcin	~ Legel	display 20 h	bls water	Shatin
(ement	a.d C.	reulate 3	5K top	1	1			
				~~~~	1.		·	
				7 L. S. C. H.			***************************************	
					13	The	nks mile	1600
								770.00
ACCOUNT	QUANITY	or UNITS	DE	SCRIPTION of	SERVICES or F	PRODUCT	UNIT PRICE	TOTAL
E0471	1		PUMP CHARG				1150,00	1150.00
EUOUZ		40	MILEAGE				7.15	286,00
PUUL.	N. Sandring and D. S. Organisa and C. S. Charles							
CE0710	12.22 To		Ton Mi	lecco de	liver			
CE0710	12.22 To	15	Ton M	blad I	livery		1.75	855,40
CE0710	12.22 To	15	Ton M. Surface	bland I	livery			855,40
CE0710		15	Ton Mi Surface	bland I	livery		1.75	855,40
CE0710		15	Ton M. Surface	bland II	livery		1.75	855,40
CE0710		15	Ton Mi Surface	bland II	livery		1.75	855,40
CE0710		15	Ton Mi Surface	bland II	livery		j.75 23. °°	855,40 5980,°
CE0710		15	Ton Mi Surface	bland II	livery	1055 2 1980	1.75 23.00	855,40 5980,°
CE0710		15	Ton Mi Surface	bland II	livery	less 30%d	1.75 23.00	855,40 5980,0 8271,40 2481,42
CE0710		15	Ton Mi Surface	bland II	livery	less 308d	1.75 23.00	855,40 5980,0 8271,40 2481,42
CE0710		15	Ton Mi Surface	blyn/II	livery	1055 3 <b>08</b> d	1.75 23.00	855,40 5980,0 8271,40 2481,42
CE0710		15	Ton Mi Surface	bland II	livery	loss 308d	1.75 23.00	855,40 5980,0 8271,40 2481,42
CE0710		15	Ton Mi Surface	bland II	livery	1055 3 <b>08</b> d	1.75 23.00	855,40 5980,0 8271,40 2481,42
CE0710		15	Ton Mi Surface	blyn/II	livery	loss 3 <b>08</b> d	1.75 23.00	855,40 5980,5 8271,40 2481,42
CE0710		15	Ton Mi Surface	bland II	livery	loss 308d	1.75 23.00	855,40 5980,0 8271,40 2481,42
CE0710		15	Ton Mi Surface	bland II	livery	1055 3 <b>08</b> d	1.75 23.00	855,40 5980,0 8271,40 2481,42
		15	Ton Mi Surface	bland II	livery	loss 308d	1.75 23.00 Subtotal Subtotal	855,40 5980,° 8271.40 2481.42 5789.98
CE0710		15	Ton Mi Surface	bland II	livery	1055 3 <b>08d</b>	1.75 23.00	855,40 5980,° 8271,40 2481,42
CE0710 CC5871		15	Ton Mi Surface	bland II	livery	1055 3 <b>08</b> d	1.75 23.00 Subtotal Subtotal	855,40 5980,° 8271.40 2481.42 5789.98

account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

#### SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

- (a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.
- (b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole: and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) subsurface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

- (c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.
- (d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.
- (e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

#### WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.



#### **REMIT TO**

Houston, TX 77210-4346

QES Pressure Pumping LLC Dept:970 P.O.Box 4346

MAIN OFFICE

P.O.Box884 Chanute.KS 66720 620/431-9210,1-800/467-8676 Fax 620/431-0012

810630 Invoice#

Invoice Date: 06/30/17

Invoice

Terms:

Net 30

Page

CHIZUM OIL LLC

P.O. BOX 178 SAPULPA OK 74067

USA

9187608146

QUENZER 1-27

Part No	Description	Quantity	<b>Unit Price</b>	Discount(%)	Total
CE0451	Cement Pump Charge 1501' - 3000'	1.000	1,900.0000	30.000	1,330.00
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	30.000	200.20
CE0710	Cement Delivery Charge	1.000	722.4000	30.000	505.68
CC5829	Lite-Weight Blend V (60:40:4)	240.000	16.0000	30.000	2,688.00
CC6075	Celloflake	60.000	3.0000	30.000	126.00
CP8228	8 5/8" Wooden Plug	1.000	165.0000	30.000	115.50
				Subtotal	7,093.40
			Discounte	ed Amount	2,128.02
			SubTotal Afte	r Discount	4,965.38
			Amount D	Due 7,459.59 If p	paid after 07/30/17

Tax:

256.33

Total:

5,221.71



AUTHORIZTION

8386

LOCATION CAKIER KS

DATE

BEN-431-9210 or BOO-437-86765  DATE CUSTOMER WELL NAME & NUMBER  DATE CUSTOMER WELL NAME & NUMBER  CUSTOMER DATE CUSTOMER WELL NAME & NUMBER  CUSTOMER CALL CALL CALL  SPECIAL COLOR OF COUNTY  ACCOUNT TRUCK B DRIVER TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRIVER  TRUCK B DRI	PRESS	URE PUMPING	a n	TICKET	2 TDE	TMENT DE	POREMAN_	Jerry	//
CUSTOMER  CUSTOM				HUKE			OKI		Ks
CUSTOMER  (A. ZUM) ()   Brewder   TRUCK # DRIVER   TRUCK # DRIVER   DRIVER	DATE	CUSTOMER#	WELL NA	ME & NUME	BER	SECTION	TOWNSHIP	RANGE	COUNTY
CLIZUM OI BROSTON MILINGADORESS MILINGADORES	6-30-17	C 88	Quenz	er 1-	27	27	7.9	370	Sherman
# 10. DOX 178    10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178   10. DOX 178	CUSTOMER	C1	10.1		Brewster				
STATE	MAILINGADDRESS	UNIZUM	UII		NSide		DRIVER	TRUCK#	DRIVER
STATE	P.O. BOX 17	8					5-16	<del>I</del>	
DOB TYPE			ZIP	CODE			Hand 18	-	
CASING DEPTH   DRILL PIPE   4 1/2   TUBING   OTHER   SLURRY WEIGHT   23.8   SLURRY VOI.   1/12   WATER gal/sk   CEMENT LEFT IN CASING   DISPLACEMENT   DISPLACEMENT PSI   MIX PSI   RATE   REMARKS: Sath pression   String up on   WW 2 plan   qs   Ordered   w, 1/2 240 sts	Sapulpa.	0	K 17	4067		639-	/ Arolas		
SLURRY WEIGHT 13.8 SLURRY VOL 1.42 WATER Gallak CEMENT LEFT IN CASING DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE  REMARKS: Safty necting the product with 240 sta  40.40 Misgel 1.45 sec. 10  50 sts e 295/ 100 3 ts e 2060'  50 sts e 390'  10 sts e 40'  30 sts e 46'  ACCOUNT CODE CODE CODE CODE CODE CODE CODE CODE	JOB TYPE P	HOLE	SIZE 7	1/8	HOLE DEPT	H 5100	CASING SIZE &	WEIGHT	
DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE  REMARKS: Safty nections in ria up on WW 2 plag as ordered with 240 sts  60/40 48661 4446561  SO 5 ks @ 2985/  NO 5 ks @ 7060/  50 5 ks @ 390/  /0 5 ks @ 40/  30 5 ks @ 40/  ACCOUNT CODE QUANTY or UNITS DESCRIPTION of SERVICES OF PRODUCT UNIT PRICE TOTAL  CE 0 451 - 1 PUMP CHARGE 1900.00 1900.00  FOOO2 4/D MILEAGE 7.15 286.0  DEO 7/0 10.32 fon mileage delivery 1.15 722.4  CC5827 240 5ks 1:46 ks T	CASING DEPTH	O DRILL	PIPE 4	1/2	TUBING				
REMARKS: Saft meeting or in up on WW 2 plan as Ordered with 250 sts  20/40 418gc) 44 418 saft  20/40 418gc) 44 518 saft  2	SLURRY WEIGHT_	13.8 SLUR	RY VOL/.	42	WATER gal	/sk	CEMENT LEFT	n CASING	
SO   S   S   2985     100   S   S   2060     50   S   S   290     10   S   S   S   S   S   S     10   S   S   S   S   S     10   S   S   S   S   S     10   S     10   S   S     10   S	DISPLACEMENT_	DISPL	ACEMENT PS				-		
50 s ks @ 1995/ 100 s ks @ 2060/ 50 s ks @ 390/ 10 s ks @ 40/ 30 s ks & 40/ 30 s ks & 40/  ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL CLO 0451 - 1 PUMP CHARGE 1/900.00 1/900.00 CLO 0451 - 1 PUMP CHARGE 7.15 286.00 CEO 7/0 / 10.32 for mileage delivery 1.75 722.4  CC5823 - 240 s ks 1.4 c ks d l 1/2 c ks d	REMARKS: 5	Hy needin	Abria	upo	1 W4	2 plag	gs Order	ed with	240.5ks
100 5 ks @ 2060' 50 5 ks @ 390' 10 5 ks @ 40' 30 5 ks & 40'  ACCOUNT CODE QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL CF 0 451 - 1 PUMP CHARGE 1900.00 1900.00 CF 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60/40 476	get 14+ SR	13cg/V	1		' 0			
100 5 ks @ 2060' 50 5 ks @ 390' 10 5 ks @ 40' 30 5 ks & 40'  ACCOUNT CODE QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL CF 0 451 - 1 PUMP CHARGE 1900.00 1900.00 CF 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A 1	00=	,		-				
SO SKS & 390'								A CONTRACTOR OF THE PARTY OF TH	
10 5 ks   40   2							7	,	
30 5k5 & Hale  ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES OF PRODUCT UNIT PRICE TOTAL  CH 0451 -							/10	ukyou	
ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES OF PRODUCT UNIT PRICE TOTAL  CF 0451 -		37			**************************************				
DESCRIPTION of SERVICES of PRODUCT   UNIT PRICE   TOTAL	20 363	6 740 IZ	~		-		ZEM	12 crew	
CE 0451 - 1 PUMP CHARGE 1900.00 1900.00 CE 0002 - 40 MILEAGE 7.15 286.00 CE 0710 - 10.32 for mileage delivery 1.75 722.4  CC5829 - 2405ks 1:4cbked I		QUANITY or UNI	тѕ	DES	SCRIPTION	of SERVICES or PR	RODUCT	UNIT PRICE	TOTAL
CESO 7/0 / 10.32 ton mileage delivery 1.75 722.4  CCS 829 - 240 sks litebled I / 165.00 3840  CP 8228 / 1 8 78 wooden play / 165.00 165.00  CC60 75 60 # flos ea/ 3,00 180.00  Subtably 7093.4  -308 disput 2128.0  Subtably 4965.3		,	DUI						
CC5827- 2405ks 1:tebked I 1600 3840 CC5828- 2405ks 1:tebked I 1600 3840 CC9828- 1 878 wooden play 165.00 165.00 CC6075 60# flosed 3.00 180.00  Subtobly 7093.0 Subtobly 4965.3	4	110			<u> </u>			1700.00	
CC5829- 2405/s 1:4cb/ke/3 I	- 0				1-	1.1		1 25	
CC6075 60# flosed play /65.00 /65.00 /80.00  Subtoful 7093.4  -308 disput 2128.0  Subtoful 4965.3	20110	10.52		on mi	rage o	selvery		1.13	122.70
CP 8228 7	CC5829	2400	4.	144	LIV			1100	3840
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546464 7093.4 -308 discont 2128.0 Subtate/ 4965.3	CC4075	60#		Llase	n/	O lag		200	181 00
SALES TAX 256,33	COOTS	00		7103	4			3.00	120.00
SALES TAX 256,33					***************************************			Suldali	70930
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SALES TAX 256,33							-30	O Sout	2128.02
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		***************************************						1	
	in the second						***************************************	1	
								SALES TAX	256,33
ESTIMATED	avin 3737	11/						ESTIMATED	5221.7/

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

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- (a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.
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8439

LOCATION Ocklastis

FOREMAN Wiles Shew

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

20-431-3210	or 800-467-8676			CEMEN	1			115
DATE	CUSTOMER#	WELL	NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
7-11-19	1112_	Malani	10 #2		11	155	2900	Gove
CUSTOMER				Care 125				
Abertion	nbic Energy			Votinte	TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDRE	255				753	(cy D		
					772/7-129	ScH 0		
TY		STATE	ZIP CODE					
					3			
OB TYPE_C	HP	HOLE SIZE		HOLE DEPTH		CASING SIZE &	WEIGHT 4	5"
ASING DEPTH		DRILL PIPE		TUBING 2	3/81		OTHER	
LURRY WEIGH	IT 13.8	SLURRY VOL	.4	WATER gal/s	k	CEMENT LEFT II	CASING	
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				305	Sx 4014	0 48	***************************************	
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CODE	QUANITY	or UNITS	DE	SCRIPTION of	SERVICES or PI	RODUCT	UNIT PRICE	TOTAL
£0470	/		PUMP CHARG	·E			950,00	950.0
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-/							1.15	250.25
	119							
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CC 5829	505	SX	Lite Wes	ght bland			1600	8080,00
		SX		ght bland				-
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CC 5829	505	SX	Lite Wes	sped Ru			Subtetal Subtetal Subtetal	10875,91 3262.77 7613.14

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#### **REMIT TO**

MAIN OFFICE

P.O.Box884 Chanute,KS 66720 620/431-9210,1-800/467-8676 Fax 620/431-0012

QES Pressure Pumping LLC Dept:970 P.O.Box 4346 Houston,TX 77210-4346

\_\_\_\_\_\_

Invoice# 810526

Invoice Date: 06/22/17 Terms: Net 30 Page 1

CHIZUM OIL LLC

P.O. BOX 178 SAPULPA OK 74067

USA

9187608146

QUENZER 1-27

Part No	Description	Quantity	Unit Price Dis	scount(%)	Total
CE0471	Cement Pump Charge 301' - 500' (Coalbed/Methane)	1.000	1,150.0000	30.000	805.00
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	30.000	200.20
CE0710	Cement Delivery Charge	1.000	855.4000	30.000	598.78
CC5871	Surface Blend II, 2% Gel/3% CaCl	260.000	23.0000	30.000	4,186.00
			S	ubtotal	8,271.40
			Discounted A	mount	2,481.42
			SubTotal After Di	scount	5,789.98

\_\_\_\_\_\_

Amount Due 8,794.65 If paid after 07/22/17

Tax:

366.28

Total:

6,156.26



TICKET NUMBER LOCATION

**FOREMAN** 

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

DATE CUSTOMER#

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER#	WEL	L NAME & NUM	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-19-17	C88	Quenzer	- 1-27		27	75	37W	Shorma
USTOMER				Braustery	2000年			
Mizur	JAS liga			W.S.He	TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDRE	ESS			35 North	753	Travalo		
				70 44 W	566	Steveno		
ITY	- Challes and the Challes and	STATE	ZIP CODE	Sinte	***************************************			
					-			
OB TYPE_S.		HOLE SIZE 1	2/4"	HOLE DEPTH	344'	CASING SIZE & 1	WEIGHT_ &S	4" 24#
ASING DEPTH		DRILL PIPE		_TUBING			OTHER	
LURRY WEIGH		SLURRY VOL_			k	CEMENT LEFT in	CASING Z	o <sup>i</sup>
ISPLACEMENT	70.56K	DISPLACEMEN	IT PSI	MIX PSI		RATE		
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ACCOUNT	QUANITY	or linite	T	ECOIDTION 4	SEDVICES :	PODUCE	T	
CODE	QUANTIT	OI UNITS		ESCRIPTION of	SERVICES OF F	KODUCI	UNIT PRICE	TOTAL
E 0471	1		PUMP CHARC	SE .			1150,00	1150.00
CEOOOZ		40	MILEAGE	, ,			7.15	286,00
CE07/0	12.22 To	15	Ton M	bland II	livery		1.75	855,40
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	ned in the second							
Addison.							CALFOTAV	21.1 20
vin 3737							SALES TAX ESTIMATED	366.28
	///		/				TOTAL	6156.25
UTHORIZTION	(JA)	Vin	/	TITLE			DATE	V  - W   V
				<del></del>				

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Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

- (a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.
- (b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole: and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) subsurface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

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- (d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.
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#### **REMIT TO**

Houston, TX 77210-4346

QES Pressure Pumping LLC Dept:970 P.O.Box 4346

MAIN OFFICE

P.O.Box884 Chanute.KS 66720 620/431-9210,1-800/467-8676 Fax 620/431-0012

810630 Invoice#

Invoice Date: 06/30/17

Invoice

Terms:

Net 30

Page

CHIZUM OIL LLC

P.O. BOX 178 SAPULPA OK 74067

USA

9187608146

QUENZER 1-27

Part No	Description	Quantity	<b>Unit Price</b>	Discount(%)	Total	
CE0451	Cement Pump Charge 1501' - 3000'	1.000	1,900.0000	30.000	1,330.00	
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	30.000	200.20	
CE0710	Cement Delivery Charge	1.000	722.4000	30.000	505.68	
CC5829	Lite-Weight Blend V (60:40:4)	240.000	16.0000	30.000	2,688.00	
CC6075	Celloflake	60.000	3.0000	30.000	126.00	
CP8228	8 5/8" Wooden Plug	1.000	165.0000	30.000	115.50	
				Subtotal		
			Discounted Amount SubTotal After Discount		2,128.02	
					4,965.38	
		Amount Due 7,459.59 If paid after 07/30/1				

Tax:

256.33

Total:

5,221.71



AUTHORIZTION

8386

LOCATION CAKIER KS

DATE

CUSTOMER  CLIZUM D;  MAILINGADDRESS  PO. BOX 178  CITY  STATE  STATE  TRUCK # DRIVER  TRUCK #	PRE	SSURE PUMPING		I D TICK	ET & TDE	ATMENT DE	POREMAN_	Jerry	//
CUSTOMER  Chizum ();   Brewster   STATE   Chizum ();   Stat				LD HCK			OKI		KS
CUSTOMER  Chizum O;   Brewster   TRUCK# DRIVER TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER   TRUCK# DRIVER	DATE	CUSTOMER #	WEL	L NAME & NU	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
CUSTOMER  Chizum O;  MAILING ADDRESS  F.O. DOX 178  CITY  STATE  TOBY  T	6-30-17	C 88	Que	nzer	1-27	27	7.5	374	Sherma
MALINGADORESS  10.00X TR  CITY  SPUIPA  STATE  14067  SIMPA  JOB TYPE  PLY  HOLE SIZE  14067  HOLE DEPTH  DRILL PIPE  4 /2  TUBING  OTHER  SLURRY WEIGHT  CASING DEPTH  DISPLACEMENT PSI  MIX PSI  REMARKS:  SAFT  ACCOUNT  CODE  QUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  DISPLACEMENT  DESCRIPTION OF SERVICES OF PRODUCT  DISPLACEMENT  DISPLACEMENT PSI  MIX PSI  RATE  REMARKS:  SAFT  ACCOUNT  CODE  QUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  UNIT PRICE  TOT  CODE  C	CUSTOMER	Cl	-	1	Brewsto	· STATE OF THE STA			
STATE 14067 5:MO  STATE 14067 5:MO  GSS/37 Harold B  JOB TYPE Play HOLE SIZE 7/8 HOLE DEPTH 5/00 CASING SIZE & WEIGHT  CASING DEPTH DRILL PIPE 4/2 TUBING OTHER  SLURRY WEIGHT 13.8 SLURRY VOL 1.42 WATER GAUSK CEMENT LEFT IN CASING  DISPLACEMENT PSI MIX PSI  REMARKS: S. H. MCC. A.	MAILING ADDRE	ss _	m CI	/	- NSide		DRIVER	TRUCK#	DRIVER
STATE 14067 5:MO  STATE 14067 5:MO  GSS/37 Harold B  JOB TYPE Play HOLE SIZE 7/8 HOLE DEPTH 5/00 CASING SIZE & WEIGHT  CASING DEPTH DRILL PIPE 4/2 TUBING OTHER  SLURRY WEIGHT 13.8 SLURRY VOL 1.42 WATER GAUSK CEMENT LEFT IN CASING  DISPLACEMENT PSI MIX PSI  REMARKS: S. H. MCC. A.	P.O. BOX	178					15-16-D	<del>I</del> —	
ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOT CODE COSSES A CONTROL OF TABLET OF T			TATE	ZIP CODE			Hardis		
CASING DEPTH DRILL PIPE 4/2 TUBING OTHER SLURRY WEIGHT 13.8 SLURRY VOL 1.42 WATER gal/sk CEMENT LEFT IN CASING DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE  REMARKS: S. 44 DESCRIPTION OF WW 2 Plag as Ordered with 240 s  60/40 Yisgel W+ First PSI  100 5 KS @ 2965/  100 5 KS @ 2965/  100 5 KS @ 390/  100 5 KS @ 390/  100 5 KS @ 40/  30 5 KS & 46/  ACCOUNT CODE  ACCOUNT CODE  ACCOUNT QUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  DIMP CHARGE  1700 190  CFO 002 / 40 MILEAGE  CFO 270/ 10.32 How mileage delivery  CC5823 240 5 KS 1:40 km T  CC5823 240 5 KS 1:40 km T  CC5823 240 5 KS 1:40 km T  CC5823 1 CC5823 1 CC50 7 KS 1 CC50 7 KS T  CC5823 240 5 KS 1:40 km T  CC5823 250 7 KS 1:40 km T	Sapulpa		OK.	7406	1 5,MO	639-	Protect	1	
SLURRY WEIGHT 13.8 SLURRY VOL 1.42 WATER gal/sk CEMENT LEFT IN CASING DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE REMARKS: Saft meeting ria un on WW 2 plag as Ordered with 240 s  50 sks & 2985/  100 3 ks & 2060/  50 sks & 40/  30 sks & 40/  ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOT.  CF 0451 - 1 PUMP CHARGE 1900.00 190  CF 0602 40 MILEAGE 7.15 280  CC 57/04 10.32 ton mileage delivery 1.75 722  CC 5823 - 240 sks 1-tebked T 160 385  CC 5075 60 # flosed 165.00 185  CC 5075 60 # flosed 7 3.00 180	JOB TYPE	Plus	HOLE SIZE	77/8	HOLE DEP	TH 5100	CASING SIZE &	WEIGHT	
DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE  REMARKS: Safty necking & ria up 01 WW 2 plag as Ordered with 240 s  50 s ks e 29 55  100 3 ks e 20 60  50 s ks e 390  10 s ks e 40  30 s ks e 40  30 s ks e 40  ACCOUNT CODE QUANITY or UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOT.  CE 0 451 - 1 PUMP CHARGE 1900.00 190  CE 0 70 - 10 32 for mileage delivery 1.75 722  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 240 s ks 1:46 ked T 160 385  CC 5823 - 360 s ks 165 ked T	CASING DEPTH_	0	RILL PIPE	4/2	TUBING				
REMARKS: So Hypering a rig up on WW 2 plag as Ordered with 240 s  50 sks @ 1985/ 100 sks @ 2060/ 50 sks @ 390/ 10 sks @ 40/ 30 sks & 46/  CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOT.  CODE CHOOSE PUMP CHARGE 1900.00 190  CETO 451 - 1 PUMP CHARGE 1900.00 190  CETO 70 / 10.32 Iom mileage delivery 1.75 722  CES829 240 sks 1:46 ked T 1600 385  CES829 240 sks 1:46 ked T 1600 385  CES829 240 sks 1:46 ked T 1600 385  CES828 3500 180	SLURRY WEIGHT	13.8 s	LURRY VOL_	1.42	WATER ga	ıl/sk	CEMENT LEFT	in CASING	
50 5 ks @ 2995/  100 3 ks @ 2060/  50 5 ks @ 390/  10 3 ks @ 40/  30 5 ks @ 40/  ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOT.  CF 0 451 - 1 PUMP CHARGE 1900.00 190  CF 0 0 2 40 MILEAGE 7.15 286  CF 3228 1 1 8 8 wooden play 165.00 180  CC 6075 60 # flosed 7.15.00 185	DISPLACEMENT		ISPLACEMEN	IT PSI			-		
50 s ks @ 2995/  100 s ks @ 2060/  50 s ks @ 390/  10 s ks @ 40/  30 s ks @ 46/  ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL  CB 0451 - 1 PUMP CHARGE 1900.00 190  CB 0451 - 1 PUMP CHARGE 7.15 286  CB 07/0 10.32 tom milege delivery 1.75 722  CC5827 240 s ks 1:40 ked T 1600 385  CC 8228 1 8 8 wooden plag 165.00 165  CC 6075 60 # flosed 3.00 180	REMARKS:	Saffy nec	ting or	ia up	on Wi	12 plage	as order	ed with	240.5ks
100 3 k3 @ 2060'   160 kg   100 k3 @ 40'   100 k5	60/40 4	16ge1 14#	fly see	10 1		' 0			
100 3 k3 @ 2060'  50 5 k5 @ 390'  10 3 k3 @ 40'  30 5 k5 @ 46 k  ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOT.  CE 0 451 - 1 PUMP CHARGE 1900.00 190  CE 0 0 5 1	7	1 10	0~1						
10 5 K 5 C 590'   10 5 K 5 C 10'   30 5 K 5 C 10 K 6 K 6 K 6 K 6 K 6 K 6 K 6 K 6 K 6 K									
10 3 ks & 40'							7		
30 5ks & Hale  ACCOUNT CODE  QUANITY or UNITS  DESCRIPTION of SERVICES or PRODUCT  UNIT PRICE  TOTO  CE 0 451 - 1  PUMP CHARGE  1900.00 190  CE 0 70 - 10.32			,				/10	uzyou	
ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOT.  CE 0451 -		3 7			Herence and the second				***************************************
CE 0451 - 1 PUMP CHARGE 1900.00 190 CE 0451 - 1 PUMP CHARGE 1900.00 190 CE 0507/0 10.32 for milege delivery 1.75 722 CC5829 2405ks 1:4cbked I CF 8228 1 878 wooden plan CC6075 60# floses 3.00 180	30 SE	3 GETIGIE			***************************************		ZEM	y a crew	
CF 0451 - 1 PUMP CHARGE 1900.00 190 CF0002 - 40 MILEAGE 7.15 280 CF0 7/0 - 10.32 ton mileage delivery 1.75 722  CC5829 - 240 sks 1:tcbked I 1600 389 CF 8228 - 1 878 wooden plag 165.00 165. CC6075 - 60 # floses 3.00 180		QUANITY o	r UNITS		DESCRIPTION	of SERVICES or PR	RODUCT	UNIT PRICE	TOTAL
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	CP 8228	- 1	23/5	85/	Juma-la	16.			
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I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials. Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

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8439

LOCATION Ocklastis

FOREMAN Wiles Shew

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

	or 800-467-8676			CEMEN	T			115
DATE	CUSTOMER#	WELL	NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
7-11-19	1112_	Malan	10 #2		//	155	2900	Gove
CUSTOMER				Lave 125				
Abertion	nbic Energy			Vostink	TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDRE	255				753	(coy D		
					772/7-129	ScH O		
TY		STATE	ZIP CODE		1			
OB TYPE_C	HP	HOLE SIZE		HOLE DEPTH		CASING SIZE &	WEIGHT 1/	5"
ASING DEPTH		DRILL PIPE		TUBING Z	3/81		OTHER	
LURRY WEIGH	IT 13.8	SLURRY VOL_	.4	WATER gal/s	k	CEMENT LEFT I	n CASING	
ISPLACEMENT		DISPLACEMENT		MIX PSI		RATE		
EMARKS: S	schola me	charal	150 -002	H-13	121/51	in Places	and and	
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100011117							_	
CODE	QUANITY	or UNITS	DE	SCRIPTION of	SERVICES or F	PRODUCT	UNIT PRICE	TOTAL
£0470	/		PUMP CHARG	)E			950,00	950.0
. /		~		<u> </u>			730.	
Viron 1								
10002	210		MILEAGE	- 1			1.13	250.25
60710	21.97	7 Tons	Ton mile	eage del			1.75	1345.60
60710 C(5829	21.97 505	7 Tons	Ton mile	eage del			1.75	8080,00
60710	21.97	7 Tons	Ton mile	ght blood				1345.60
60710 C(5829	21.97 505	7 Tons	Ton mile	ght blood			1600	8080,00
60710 C(5829	21.97 505	7 Tons	Ton mile	ght blood			1600	8080,00
60710 C(5829	21.97 505	7 Tons	Ton mile	ght blood			1600	8080,00
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60710 C 5829	21.97 505	7 Tons	Ton mile	ght blood			1600	8080,00
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In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

#### SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

- (a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.
- (b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) subsurface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

- (c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.
- (d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.
- (e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

#### WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.