



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp, Inc.**

1625 N Waterfront
PKWY #200
Wichita, KS 67206

ATTN: Dave Goldak

Rowan A #1-9

9-26s-29w Gray KS

Start Date: 2017.11.15 @ 16:15:00

End Date: 2017.11.16 @ 01:28:19

Job Ticket #: 64101 DST #: 1

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

Printed: 2017.11.17 @ 11:50:28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Stelbar Oil Corp, Inc.
 1625 N Waterfront
 PKWY #200
 Wichita, KS 67206
 ATTN: Dave Goldak

9-26s-29w Gray KS

Rowan A #1-9

Job Ticket: 64101

DST#: 1

Test Start: 2017.11.15 @ 16:15:00

GENERAL INFORMATION:

Formation: **St. Louis**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 18:37:15

Time Test Ended: 01:28:19

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 75

Interval: 4892.00 ft (KB) To 4923.00 ft (KB) (TVD)

Reference Elevations: 2723.00 ft (KB)

Total Depth: 4923.00 ft (KB) (TVD)

2710.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8289

Inside

Press@RunDepth: 249.19 psig @ 4920.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.11.15

End Date:

2017.11.16

Last Calib.: 2017.11.15

Start Time: 16:15:02

End Time:

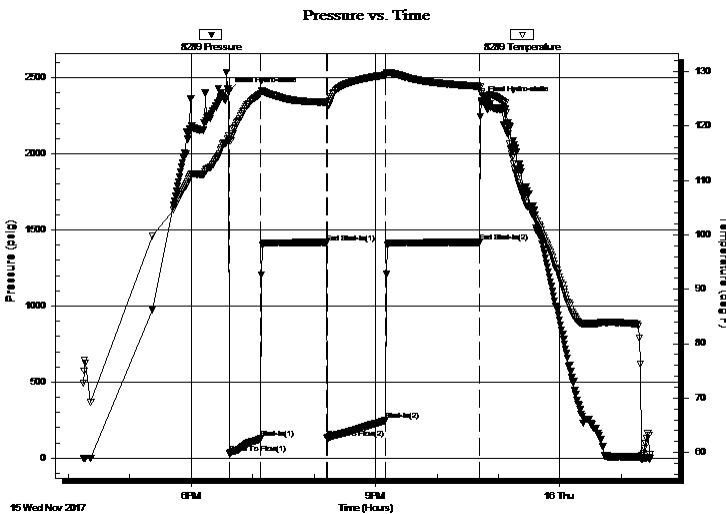
01:28:19

Time On Btm: 2017.11.15 @ 18:36:55

Time Off Btm: 2017.11.15 @ 22:43:15

TEST COMMENT: IF: BOB 24 min., strong building blow
 IS: No blow back
 FF: BOB 25 min., strong building blow
 FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2410.27	118.20	Initial Hydro-static
1	29.58	117.27	Open To Flow (1)
31	127.75	125.95	Shut-In(1)
96	1417.69	124.35	End Shut-In(1)
96	132.24	123.79	Open To Flow (2)
154	249.19	129.38	Shut-In(2)
245	1418.31	127.29	End Shut-In(2)
247	2351.09	126.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
567.00	oil spotted gassy w ater 5%G, 95%W	6.85

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

Stelbar Oil Corp, Inc.
1625 N Waterfront
PKWY #200
Wichita, KS 67206
ATTN: Dave Goldak

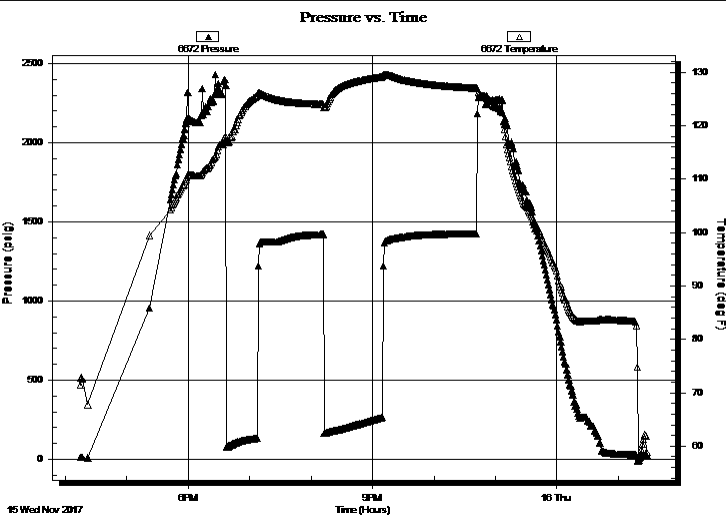
9-26s-29w Gray KS
Rowan A #1-9
Job Ticket: 64101 **DST#: 1**
Test Start: 2017.11.15 @ 16:15:00

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 18:37:15
Time Test Ended: 01:28:19
Interval: **4892.00 ft (KB) To 4923.00 ft (KB) (TVD)**
Total Depth: 4923.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 75
Reference Elevations: 2723.00 ft (KB)
2710.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6672 Outside
Press@RunDepth: psig @ 4920.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.11.15 End Date: 2017.11.16 Last Calib.: 1899.12.30
Start Time: 16:15:02 End Time: 01:28:30 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: BOB 24 min., strong building blow
IS: No blow back
FF: BOB 25 min., strong building blow
FS: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
567.00	oil spotted gassy w ater 5%G, 95%W	6.85

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corp, Inc.

9-26s-29w Gray KS

1625 N Waterfront
PKWY #200
Wichita, KS 67206
ATTN: Dave Goldak

Rowan A #1-9

Job Ticket: 64101

DST#: 1

Test Start: 2017.11.15 @ 16:15:00

Tool Information

Drill Pipe:	Length: 4750.00 ft	Diameter: 3.80 inches	Volume: 66.63 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 67.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4892.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.78 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4862.00	
Shut In Tool	5.00			4867.00	
Sampler	3.00			4870.00	
Hydraulic tool	5.00			4875.00	
Jars	5.00			4880.00	
Safety Joint	3.00			4883.00	
Packer	5.00			4888.00	31.00 Bottom Of Top Packer
Packer	4.00			4892.00	
Stubb	1.00			4893.00	
Perforations	2.00			4895.00	
Perforations	25.00			4920.00	
Recorder	0.00	8289	Inside	4920.00	
Recorder	0.00	6672	Outside	4920.00	
Bullnose	3.00			4923.00	31.00 Bottom Packers & Anchor

Total Tool Length: 62.00



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FLUID SUMMARY

Stelbar Oil Corp, Inc.

9-26s-29w Gray KS

1625 N Waterfront
PKWY #200
Wichita, KS 67206
ATTN: Dave Goldak

Rowan A #1-9

Job Ticket: 64101

DST#: 1

Test Start: 2017.11.15 @ 16:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
567.00	oil spotted gassy w ater 5%G, 95%W	6.851

Total Length: 567.00 ft Total Volume: 6.851 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

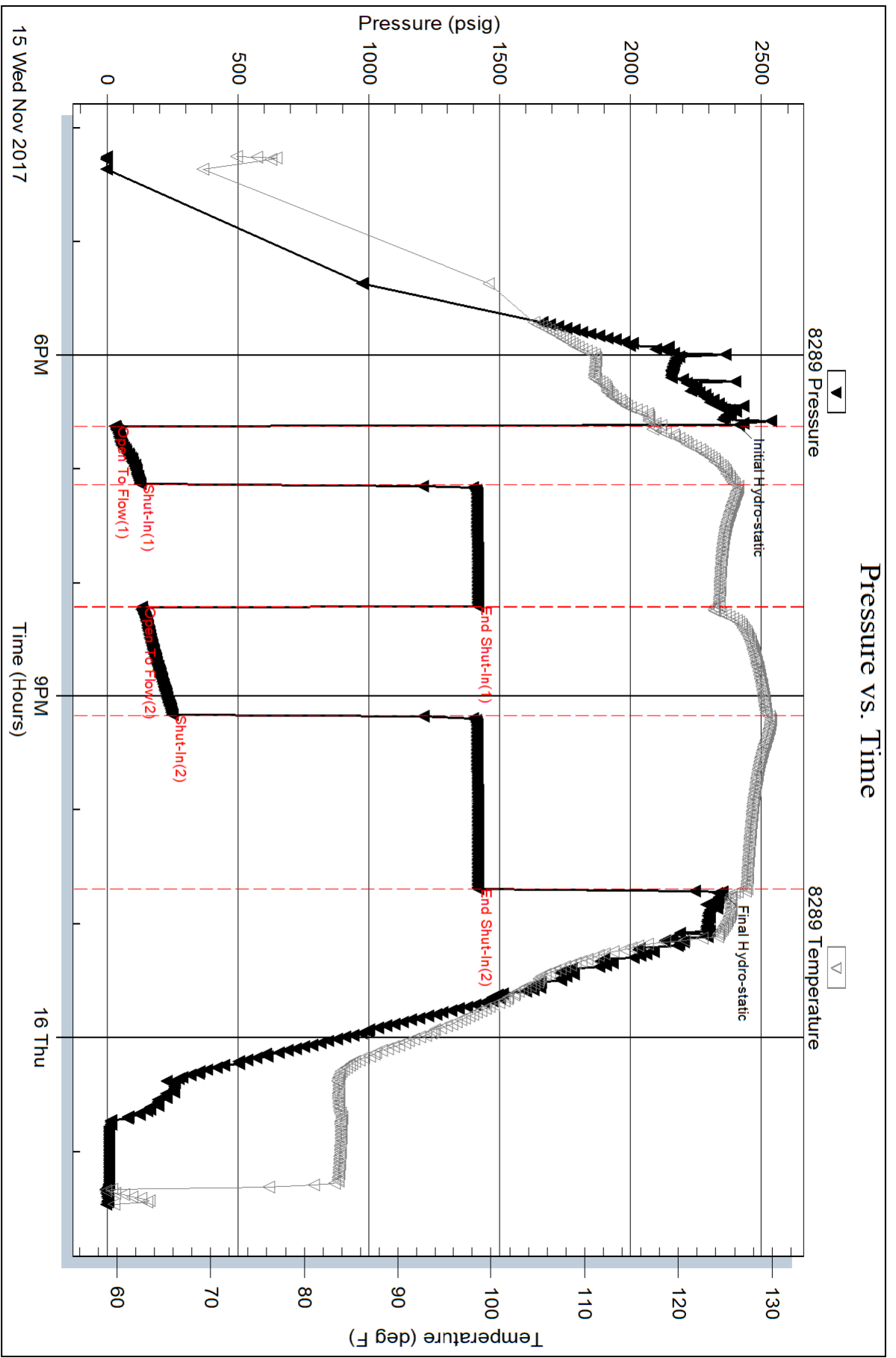
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 2000ml w ater

RW=.320@60F=25,000ppm



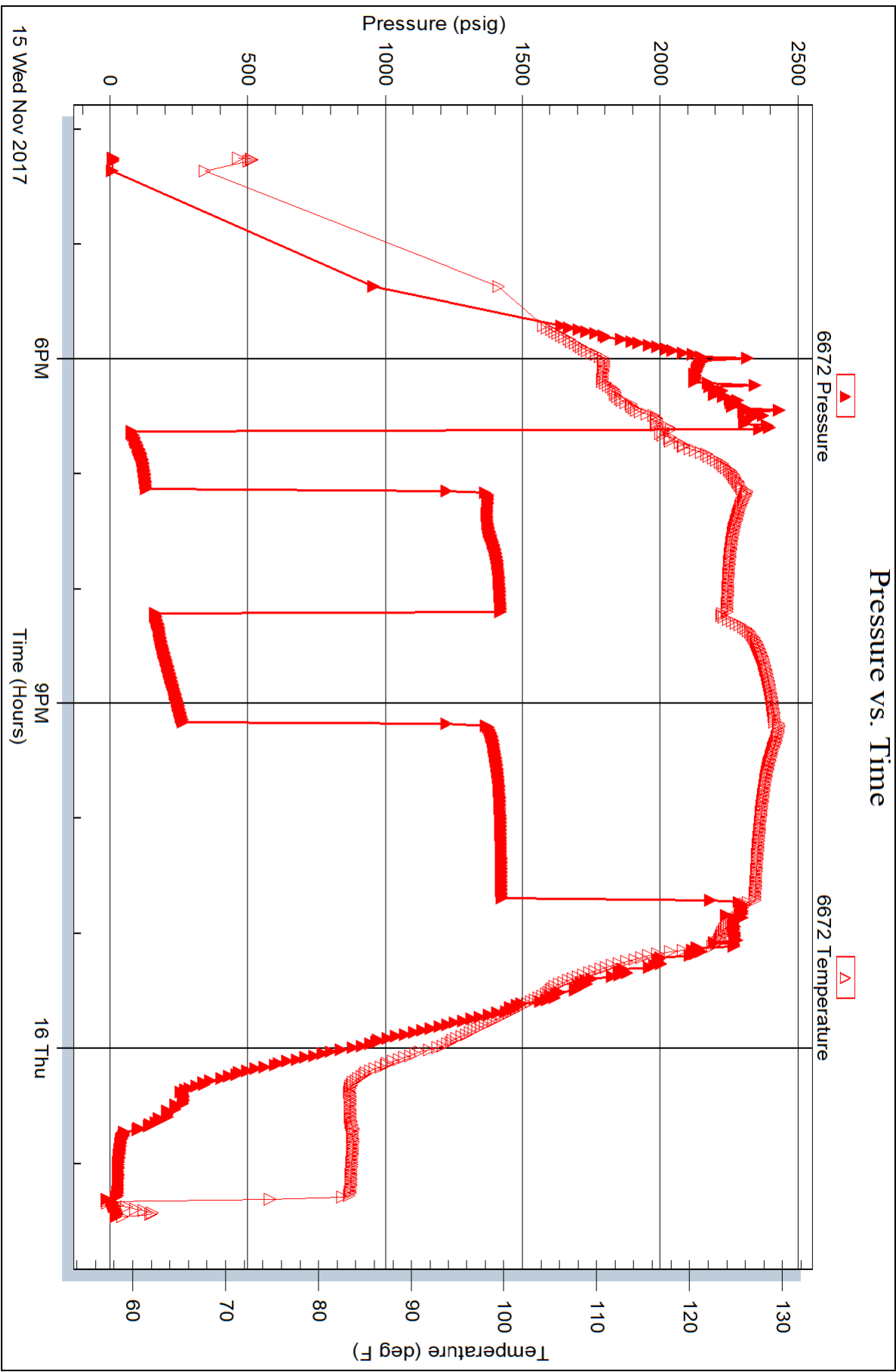
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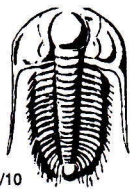
Outside

Stelbar Oil Corp. Inc.

Row an A #1-9

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64104**

Well Name & No. Rowan A 1-9 Test No. 1 Date 11-15-17
 Company Stelbar Oil Corp, INC. Elevation 2723 KB 2710 GL
 Address 1625 N Waterfront PKWY #200 Wichita, KS 67206
 Co. Rep / Geo. Dave Goldak Rig Sterling #5
 Location: Sec. 9 Twp. 26 Rge. 29 Co. Gray State KS

Interval Tested 4892-4923 Zone Tested St. Louis
 Anchor Length 31 Drill Pipe Run 4750 Mud Wt. 9.2
 Top Packer Depth 4887 Drill Collars Run 121 Vis 51
 Bottom Packer Depth 4892 Wt. Pipe Run N.A. WL 8.8
 Total Depth 4923 Chlorides 1700 ppm System LCM 3# ~~1229~~

Blow Description IF: BOB 24 min, strong building blow
ISI: no blow back
FF: BOB 25 min, strong building blow
PSI: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>567</u>	<u>oil spotted gassy water</u>	<u>5</u>	<u>Spot</u>	<u>95</u>	
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

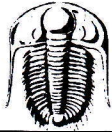
Rec Total 567 BHT 127 Gravity _____ API RW .320 @ 60 ° F Chlorides 25,000 ppm

(A) Initial Hydrostatic 2410 Test Conv 1150 T-On Location 1500
 (B) First Initial Flow 30 Jars 250 T-Started 1600
 (C) First Final Flow 128 Safety Joint 75 T-Open 1840
 (D) Initial Shut-In 1418 Circ Sub _____ T-Pulled 2240
 (E) Second Initial Flow 132 Hourly Standby _____ T-Out 0130
 (F) Second Final Flow 249 Mileage 136rt 102 Comments Bats on @ 1615
 (G) Final Shut-In 1418 Sampler 250
 (H) Final Hydrostatic 2351 Straddle _____ Ruined Shale Packer _____

Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 60 Day Standby _____ Total 1827
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1827

Approved By [Signature] Our Representative [Signature] Chris Hegman

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.



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 64104 Date 11-15-17

Company Name Stelbar O.I

Lease Rowan A 1-19 Test No. 1

County Chey, KS Sec. 9 Twp. 26 Rng. 29

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud _____ ML
Water 2000 ML
Other _____ ML
Pressure 150 # ML
Total 2000 ML

PIT MUD ANALYSIS

Chlorides 1700 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 51
Mud Weight 9.2
Filtrate 8.8
Other 3 # LCM

SAMPLER ANALYSIS

Resistivity .320 ohms @ 60 F
Chlorides 25,000 ppm.
Gravity _____ corrected @60F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.