



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Kevin Timpson

O'Brate Beach #1-27

27-25s-31w Finney,KS

Start Date: 2016.08.22 @ 18:07:15

End Date: 2016.08.23 @ 01:27:00

Job Ticket #: 65601 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.08.24 @ 08:25:45



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timpson

27-25s-31w Finney, KS
O'Brate Beach #1-27
Job Ticket: 65601 **DST#: 1**
Test Start: 2016.08.22 @ 18:07:15

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:28:15
Time Test Ended: 01:27:00
Interval: **4590.00 ft (KB) To 4610.00 ft (KB) (TVD)**
Total Depth: 4610.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Mike Roberts
Unit No: 81
Reference Elevations: 2827.00 ft (KB)
2814.00 ft (CF)
KB to GR/CF: 13.00 ft

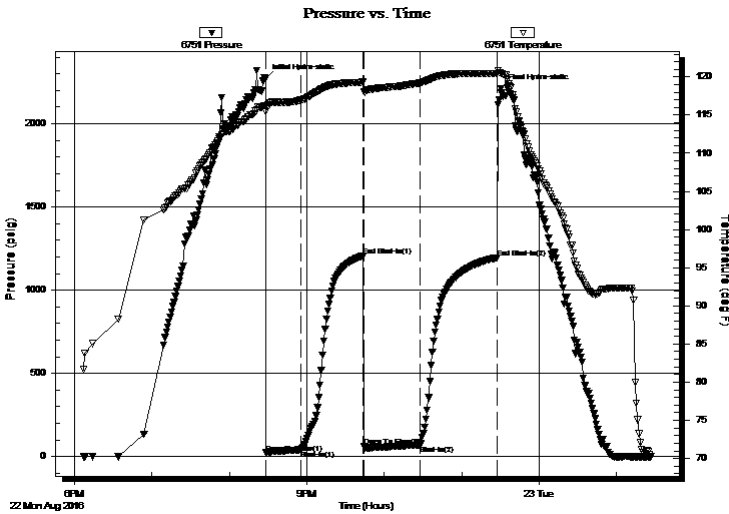
Serial #: 6751

Outside

Press@RunDepth: 70.40 psig @ 4591.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.08.22 End Date: 2016.08.23 Last Calib.: 2016.08.23
Start Time: 18:07:15 End Time: 01:27:00 Time On Btm: 2016.08.22 @ 20:28:00
Time Off Btm: 2016.08.22 @ 23:30:30

TEST COMMENT: IF:BOB in 5 min.
IS:Return blow built to weak surface flow
FF:BOB instantly
FS:Return blow built to 1" blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2270.53	116.21	Initial Hydro-static
1	22.88	115.49	Open To Flow (1)
27	40.77	116.95	Shut-In(1)
76	1204.42	119.31	End Shut-In(1)
77	63.33	118.12	Open To Flow (2)
120	70.40	119.20	Shut-In(2)
180	1193.86	120.46	End Shut-In(2)
183	2209.69	120.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 3162	0.00
30.00	free oil 100% o	0.42
62.00	mcgo 12%m 13%g 75%o	0.87
62.00	ocgm 2%o 30%g 68%m	0.87

Gas Rates

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



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27-25s-31w Finney, KS

PO Box 399
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O'Brate Beach #1-27

Job Ticket: 65601

DST#: 1

ATTN: Kevin Timpson

Test Start: 2016.08.22 @ 18:07:15

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:28:15

Time Test Ended: 01:27:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4590.00 ft (KB) To 4610.00 ft (KB) (TVD)

Reference Elevations: 2827.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

2814.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8672 Inside

Press@RunDepth: psig @ 4591.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.22

End Date:

2016.08.23

Last Calib.:

2016.08.23

Start Time: 18:07:15

End Time:

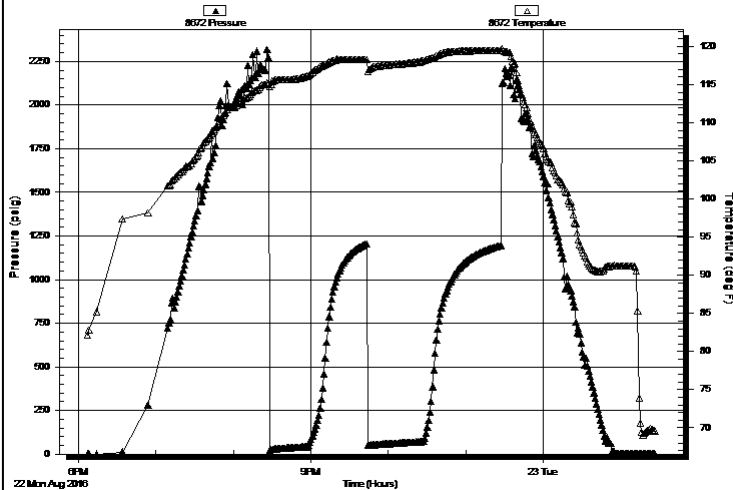
01:26:45

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:BOB in 5 min.
IS:Return blow built to weak surface flow
FF:BOB instantly
FS:Return blow built to 1" blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 3162	0.00
30.00	free oil 100% o	0.42
62.00	mco 12% m 13% g 75% o	0.87
62.00	ocgm 2% o 30% g 68% m	0.87

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

27-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

O'Brate Beach #1-27

Job Ticket: 65601

DST#: 1

ATTN: Kevin Timpson

Test Start: 2016.08.22 @ 18:07:15

Tool Information

Drill Pipe:	Length: 4571.00 ft	Diameter: 3.80 inches	Volume: 64.12 bbl	Tool Weight: 1500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 64.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4590.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4563.00	
Shut In Tool	5.00			4568.00	
Hydraulic tool	5.00			4573.00	
Jars	5.00			4578.00	
Safety Joint	3.00			4581.00	
Packer	5.00			4586.00	28.00 Bottom Of Top Packer
Packer	4.00			4590.00	
Stubb	1.00			4591.00	
Recorder	0.00	8672	Inside	4591.00	
Recorder	0.00	6751	Outside	4591.00	
Perforations	14.00			4605.00	
Bullnose	5.00			4610.00	20.00 Bottom Packers & Anchor

Total Tool Length: 48.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timpson

27-25s-31w Finney,KS
O'Brate Beach #1-27
Job Ticket: 65601 **DST#: 1**
Test Start: 2016.08.22 @ 18:07:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1900.00 ppm		
Filter Cake: 1.00 inches		

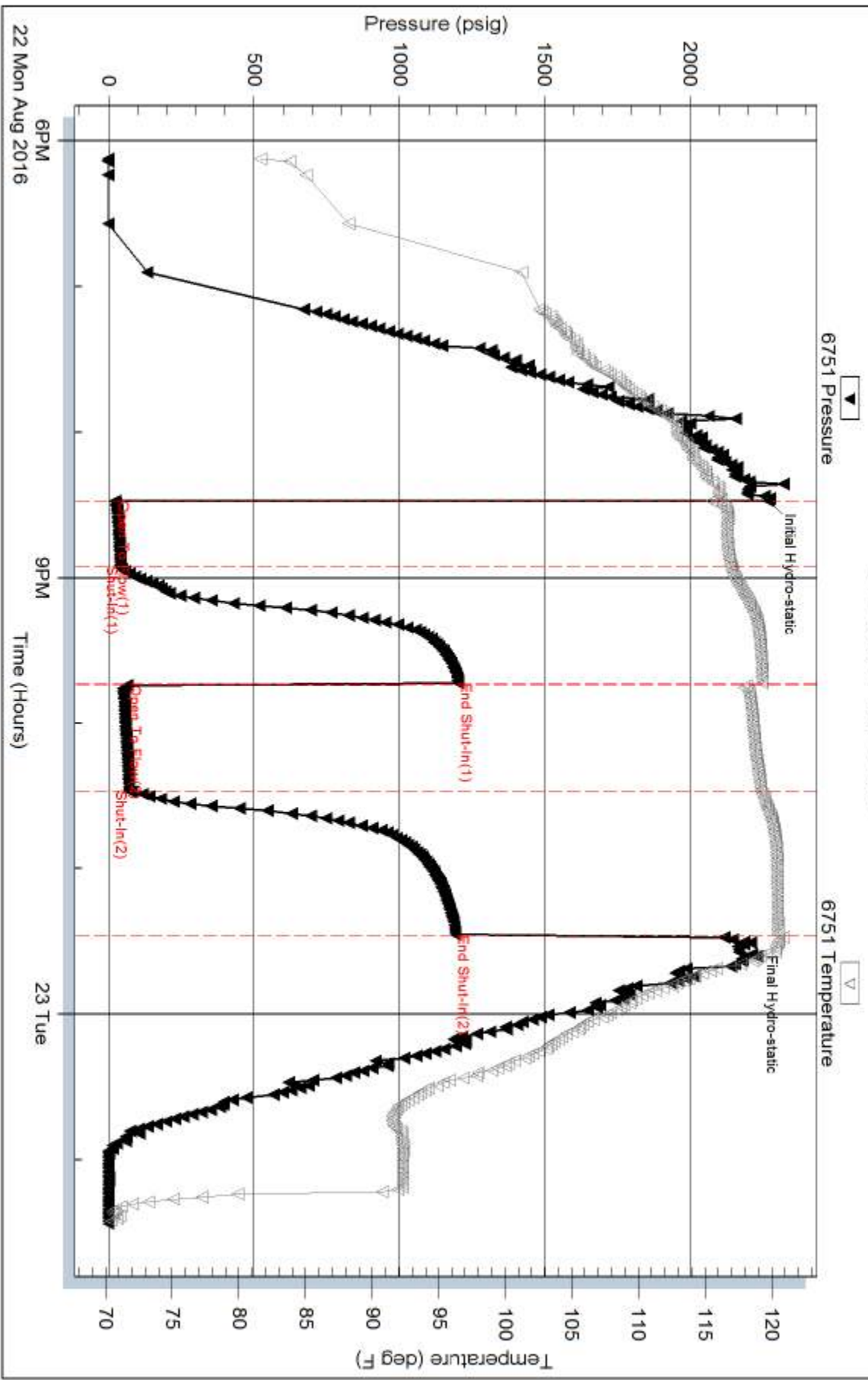
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP= 3162	0.000
30.00	free oil 100% o	0.421
62.00	mcgo 12%m 13%g 75%o	0.870
62.00	ocgm 2%o 30%g 68%m	0.870

Total Length: 154.00 ft Total Volume: 2.161 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: API 29@ 60

Pressure vs. Time



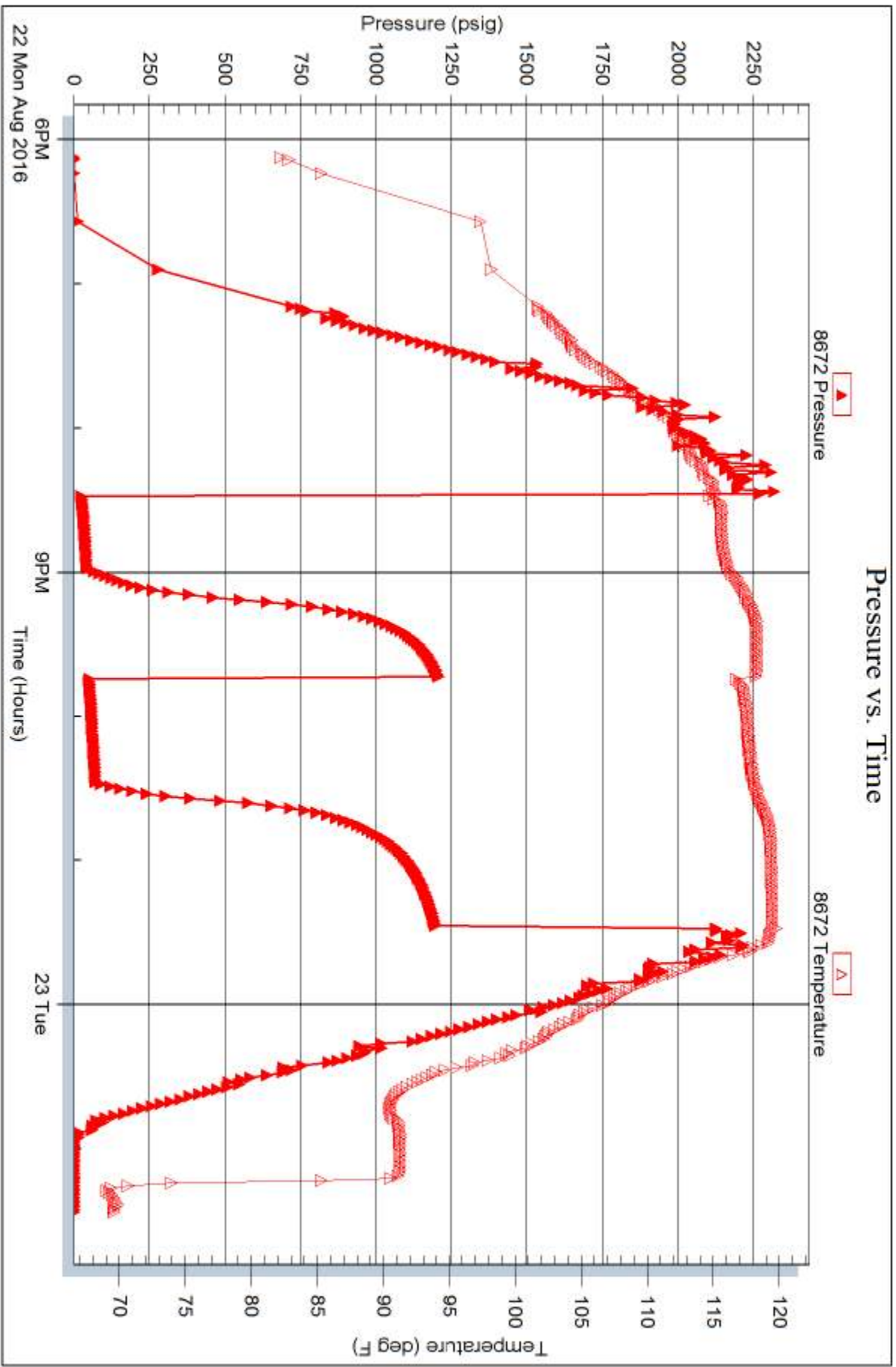
Serial #: 8672

Inside

American Warrior Inc.

OBrate Beach #1-27

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65601

Printed: 2016.08.24 @ 08:25:47



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65601**

Well Name & No. O'Brate - Beach #1-27 Test No. 1 Date 8-22-16
 Company American Warrior, Inc Elevation 2827 KB 2814 GL
 Address 3118 Cummings Rd P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Kevin Timpson Rig Duke 1
 Location: Sec. 27 Twp. 25 Rge. 31 Co. Finney State KS

Interval Tested 4590-4610 Zone Tested Pawnee
 Anchor Length 20 Drill Pipe Run 4571 Mud Wt. 9.4
 Top Packer Depth 4585 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 4590 Wt. Pipe Run 0 WL 8.0
 Total Depth 4610 Chlorides 1900 ppm System LCM 2

Blow Description IF: BOB in 5 min.
IS: Weak Surface Blow
FF: BOB instantly
FS: Return Blow Built to 1"

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>Feet of GIP = 3162'</u>	<u>100</u>			
<u>30</u>	<u>Feet of Free Oil</u>		<u>100</u>		
<u>62</u>	<u>Feet of mcgo</u>	<u>13</u>	<u>75</u>		<u>12</u>
<u>62</u>	<u>Feet of OCGM</u>	<u>30</u>	<u>2</u>		<u>68</u>

Rec Total 154 BHT 120 Gravity 29 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2270
 (B) First Initial Flow 22
 (C) First Final Flow 40
 (D) Initial Shut-In 1204
 (E) Second Initial Flow 63
 (F) Second Final Flow 70
 (G) Final Shut-In 1193
 (H) Final Hydrostatic 2209

- Test \$1150.00/-
- Jars \$250.00/-
- Safety Joint \$75.00/-
- Circ Sub NC

T-On Location 17:35
 T-Started 18:07
 T-Open 20:27
 T-Pulled 23:27
 T-Out 01:27

- Mileage BT=122 = \$91.50/-
- Sampler Mileage x 2 91.50
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility 1658.00

Comments Loaded Tools
09:00 8-24-16

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1658.00
 MP/DST Disc't
 Sub Total \$1565.50/-

Approved By _____ Our Representative Mike Roberts

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