



DRILL STEM TEST REPORT

Prepared For: **Stewart Petroleum Corporation**

475 17th St. Ste. #790
Denver, CO 80202

ATTN: Rick Hall

24-8s-19w Rooks,KS

Hance #24-14

Start Date: 2011.09.02 @ 15:54:05

End Date: 2011.09.02 @ 21:19:35

Job Ticket #: 45238 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

ORIGINAL

Printed: 2011.09.09 @ 14:32:51 Page 1

Stewart Petroleum Corporation

Hance #24-14

24-8s-19w Rooks,KS

DST # 1

Lansing "A"

2011.09.02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stewart Petroleum Corporation

Hance #24-14

475 17th St. Ste. #790
Denver, CO 80202

24-8s-19w Rooks,KS

Job Ticket: 45238

DST#: 1

ATTN: Rick Hall

Test Start: 2011.09.02 @ 15:54:05

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:07:35

Time Test Ended: 21:19:35

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: **3176.00 ft (KB) To 3229.00 ft (KB) (TVD)**

Reference Elevations: 2025.00 ft (KB)

Total Depth: 3229.00 ft (KB) (TVD)

2020.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8354

Inside

Press@RunDepth: 38.69 psig @ 3215.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.02

End Date: 2011.09.02

Last Calib.: 2011.09.02

Start Time: 16:04:05

End Time: 21:19:35

Time On Btm: 2011.09.02 @ 18:07:05

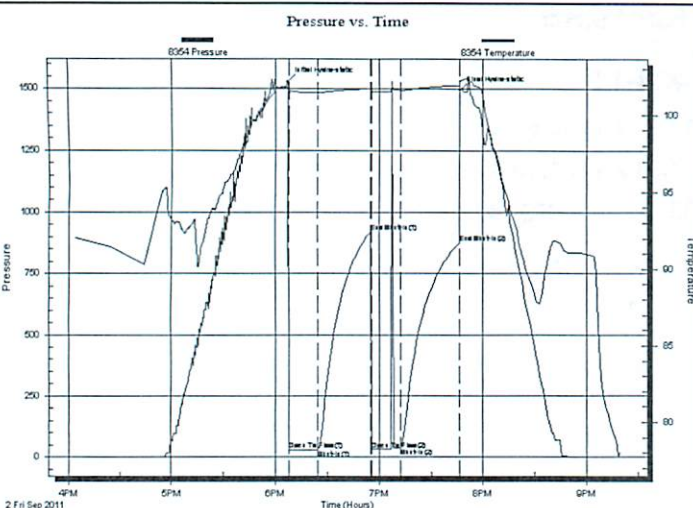
Time Off Btm: 2011.09.02 @ 19:46:35

TEST COMMENT: IF-Weak blow . Built to 1/2 inch. Died @ 14 minutes.

IS-No Return.

FF-No blow . Flushed. No blow .

FS-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1528.35	101.79	Initial Hydro-static
1	27.30	101.30	Open To Flow (1)
18	30.21	101.43	Shut-In(1)
48	921.39	101.72	End Shut-In(1)
49	30.88	101.51	Open To Flow (2)
66	38.69	101.60	Shut-In(2)
99	875.32	101.94	End Shut-In(2)
100	1494.26	102.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100%Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stewart Petroleum Corporation

Hance #24-14

475 17th St. Ste. #790
Denver, CO 80202

24-8s-19w Rooks,KS

Job Ticket: 45238

DST#: 1

ATTN: Rick Hall

Test Start: 2011.09.02 @ 15:54:05

Tool Information

Drill Pipe:	Length: 3059.00 ft	Diameter: 3.80 inches	Volume: 42.91 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 43.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3176.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	76.00 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			3154.00	
Shut In Tool	5.00			3159.00	
Hydraulic tool	5.00			3164.00	
Safety Joint	3.00			3167.00	
Packer	5.00			3172.00	23.00 Bottom Of Top Packer
Packer	4.00			3176.00	
Stubb	1.00			3177.00	
Perforations	5.00			3182.00	
Change Over Sub	1.00			3183.00	
Drill Pipe	31.00			3214.00	
Change Over Sub	1.00			3215.00	
Recorder	0.00	8354	Inside	3215.00	
Recorder	0.00	8520	Outside	3215.00	
Perforations	11.00			3226.00	
Bullnose	3.00			3229.00	53.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Petroleum Corporation

Hance #24-14

475 17th St. Ste. #790
Denver, CO 80202

24-8s-19w Rooks,KS

Job Ticket: 45238

DST#: 1

ATTN: Rick Hall

Test Start: 2011.09.02 @ 15:54:05

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100%Mud	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

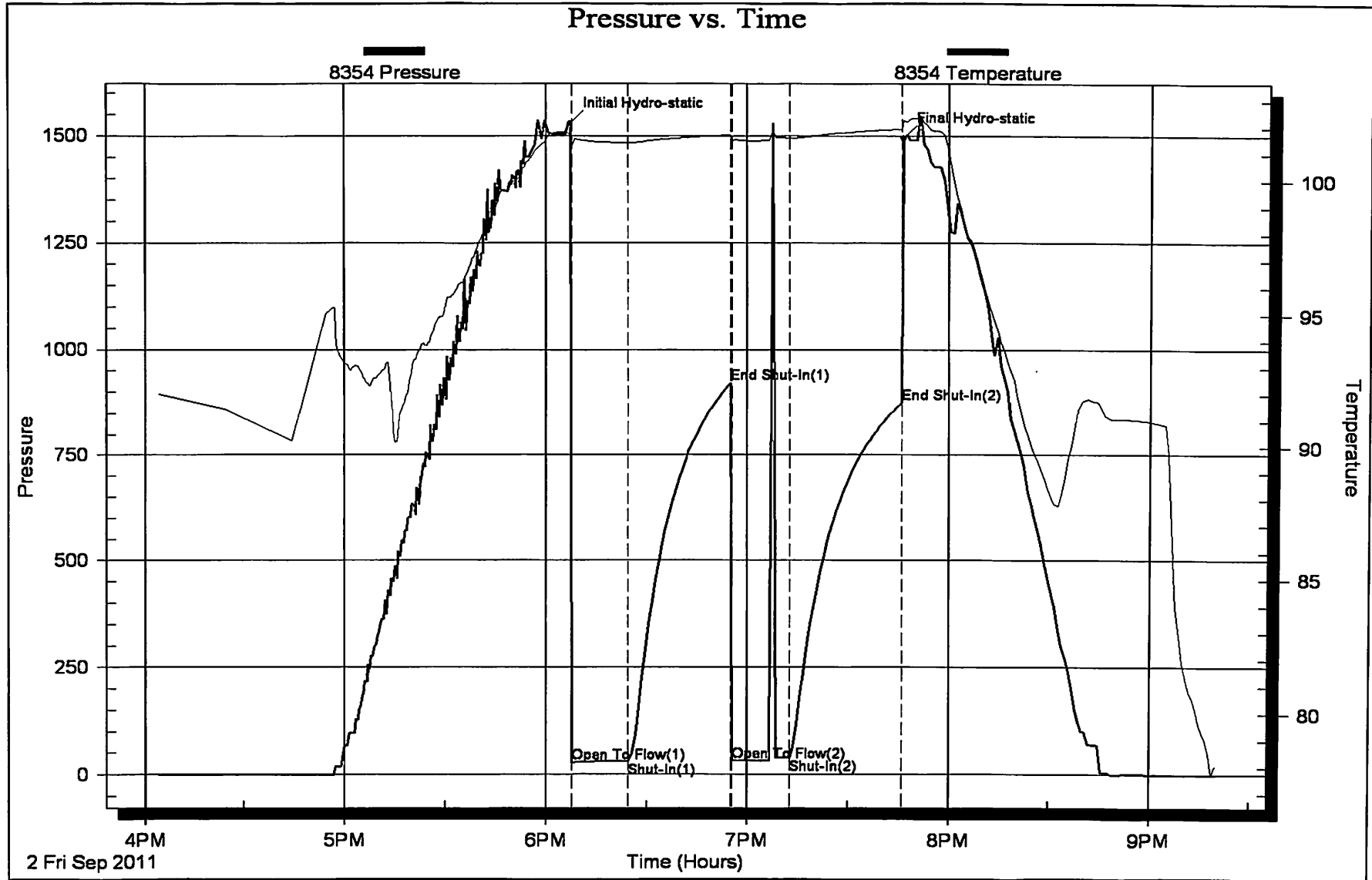
Num Gas Bombs: 0

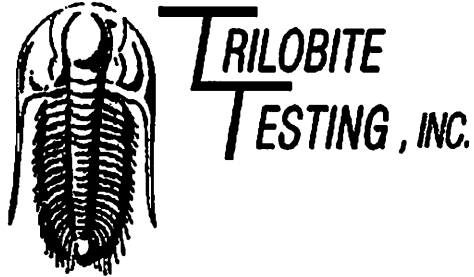
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Stewart Petroleum Corporation**

475 17th St. Ste. #790
Denver, CO 80202

ATTN: Rick Hall

24-8s-19w Rooks,KS

Hance #24-14

Start Date: 2011.09.03 @ 08:45:20

End Date: 2011.09.03 @ 16:12:20

Job Ticket #: 45239 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stewart Petroleum Corporation

Hance #24-14

475 17th St. Ste. #790
Denver, CO 80202

24-8s-19w Rooks,KS

Job Ticket: 45239

DST#: 2

ATTN: Rick Hall

Test Start: 2011.09.03 @ 08:45:20

GENERAL INFORMATION:

Formation: **LKC "C-F"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 09:58:10

Time Test Ended: 16:12:20

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **38**

Interval: **3247.00 ft (KB) To 3306.00 ft (KB) (TVD)**

Reference Elevations: **2025.00 ft (KB)**

Total Depth: **3306.00 ft (KB) (TVD)**

2020.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

KB to GR/CF: **5.00 ft**

Serial #: 8354 **Inside**

Press@RunDepth: **85.10 psig @ 3286.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.09.03**

End Date: **2011.09.03**

Last Calib.: **2011.09.03**

Start Time: **08:55:20**

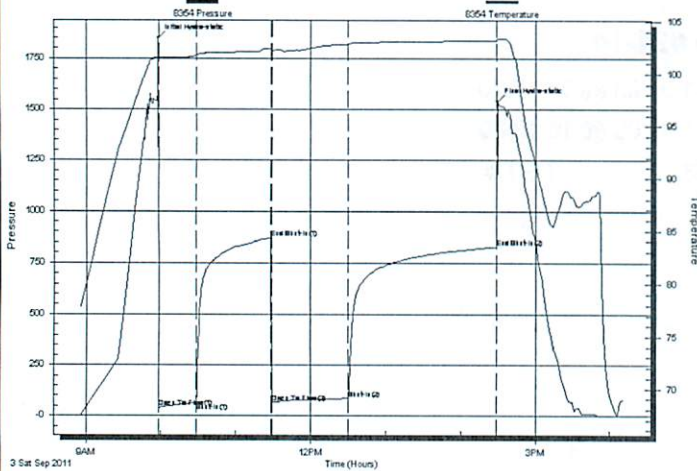
End Time: **16:12:20**

Time On Btm: **2011.09.03 @ 09:57:50**

Time Off Btm: **2011.09.03 @ 14:29:20**

TEST COMMENT: IF-Very weak building blow. Built to 2&1/2 inches.
IS-No Return.
FF-No Blow.
FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1846.32	101.79	Initial Hydro-static
1	39.12	101.30	Open To Flow (1)
31	65.66	101.80	Shut-In(1)
91	866.75	102.46	End Shut-In(1)
92	65.61	102.25	Open To Flow (2)
152	85.10	102.81	Shut-In(2)
271	827.09	103.21	End Shut-In(2)
272	1539.38	103.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	100%Mud	0.97

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stewart Petroleum Corporation

Hance #24-14

475 17th St. Ste. #790
Denver, CO 80202

24-8s-19w Rooks,KS

Job Ticket: 45239

DST#: 2

ATTN: Rick Hall

Test Start: 2011.09.03 @ 08:45:20

Tool Information

Drill Pipe:	Length: 3124.00 ft	Diameter: 3.80 inches	Volume: 43.82 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 44.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3247.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	82.00 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			3225.00	
Shut In Tool	5.00			3230.00	
Hydraulic tool	5.00			3235.00	
Safety Joint	3.00			3238.00	
Packer	5.00			3243.00	23.00 Bottom Of Top Packer
Packer	4.00			3247.00	
Stubb	1.00			3248.00	
Perforations	5.00			3253.00	
Change Over Sub	1.00			3254.00	
Drill Pipe	31.00			3285.00	
Change Over Sub	1.00			3286.00	
Recorder	0.00	8354	Inside	3286.00	
Recorder	0.00	8520	Outside	3286.00	
Perforations	17.00			3303.00	
Bullnose	3.00			3306.00	59.00 Bottom Packers & Anchor

Total Tool Length: 82.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Petroleum Corporation

Hance #24-14

475 17th St. Ste. #790
Denver, CO 80202

24-8s-19w Rooks,KS

Job Ticket: 45239

DST#: 2

ATTN: Rick Hall

Test Start: 2011.09.03 @ 08:45:20

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	100%Mud	0.975

Total Length: 150.00 ft

Total Volume: 0.975 bbl

Num Fluid Samples: 0

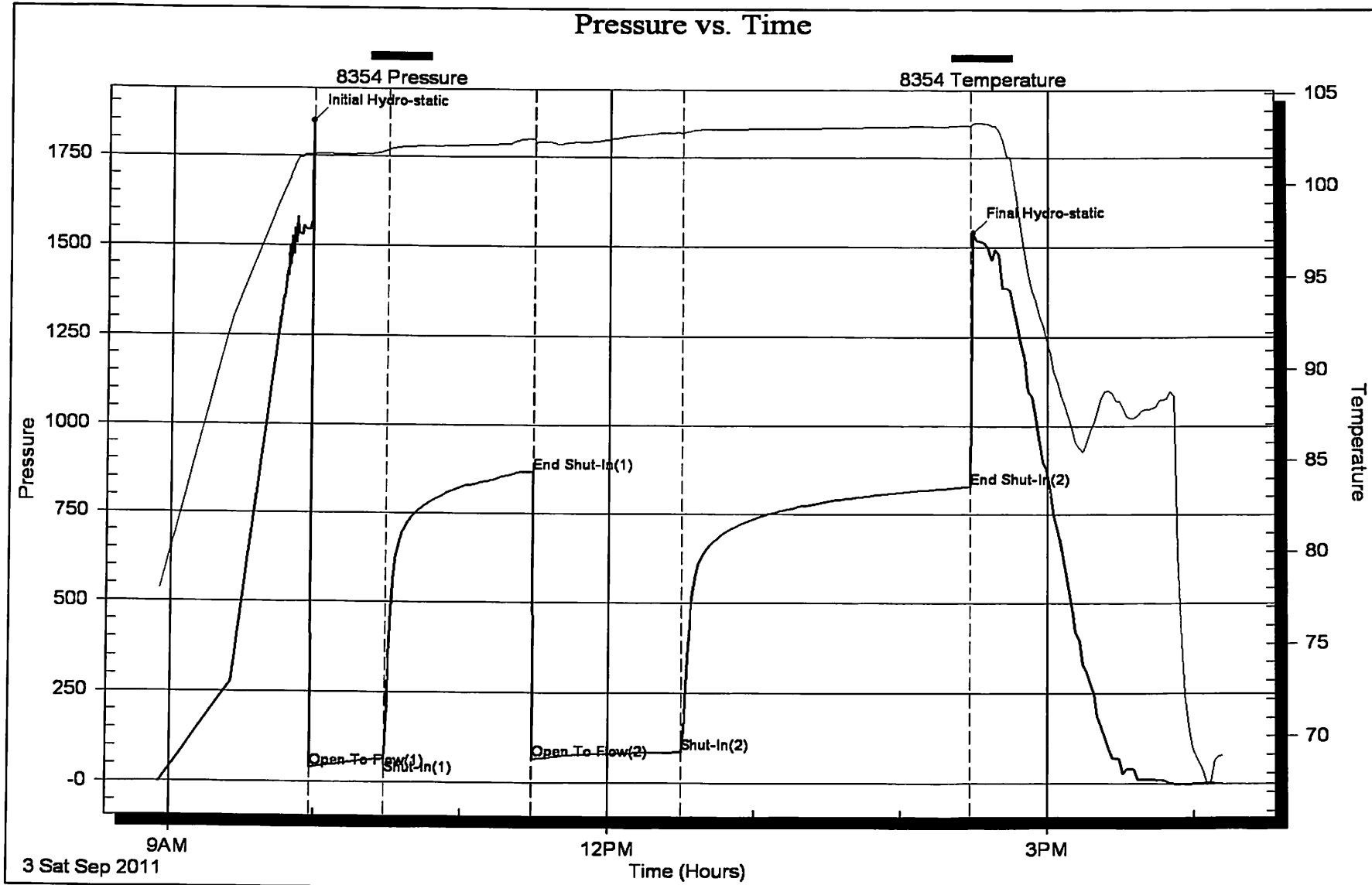
Num Gas Bombs: 0

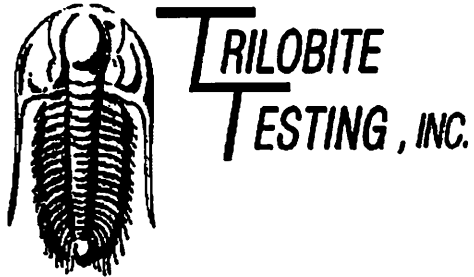
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Stewart Petroleum Corporation**

475 17th St. Ste. #790
Denver, CO 80202

ATTN: Rick Hall

24-8s-19w Rooks,KS

Hance #24-14

Start Date: 2011.09.04 @ 06:12:10

End Date: 2011.09.04 @ 12:11:10

Job Ticket #: 45240 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Stewart Petroleum Corporation

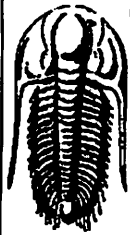
Hance #24-14

24-8s-19w Rooks,KS

DST # 3

LKC "J-K"

2011.09.04



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stewart Petroleum Corporation

Hance #24-14

475 17th St. Ste. #790
Denver, CO 80202

24-8s-19w Rooks,KS

Job Ticket: 45240

DST#: 3

ATTN: Rick Hall

Test Start: 2011.09.04 @ 06:12:10

GENERAL INFORMATION:

Formation: **LKC "J-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:36:10

Time Test Ended: 12:11:10

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: **3376.00 ft (KB) To 3417.00 ft (KB) (TVD)**

Reference Elevations: 2025.00 ft (KB)

Total Depth: 3417.00 ft (KB) (TVD)

2020.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8354 Inside

Press@RunDepth: 21.59 psig @ 3378.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.04

End Date: 2011.09.04

Last Calib.: 2011.09.04

Start Time: 06:22:10

End Time: 12:11:10

Time On Btmr: 2011.09.04 @ 08:35:40

Time Off Btmr: 2011.09.04 @ 10:53:40

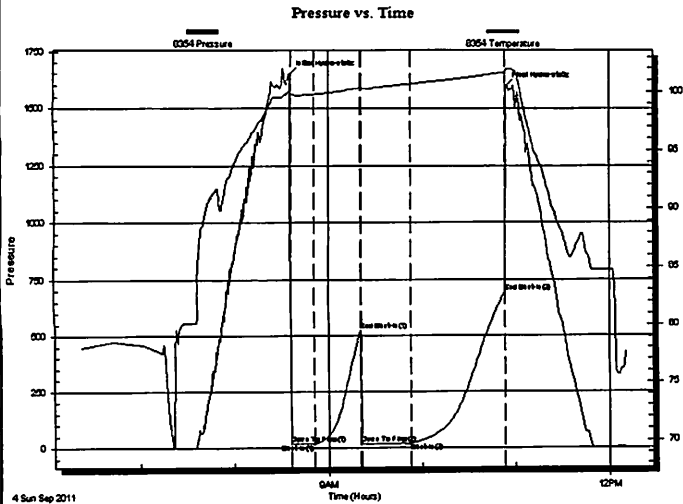
TEST COMMENT: IF-Very weak surface blow. Died @ 6 minutes.

ISI-No Return.

FF-No Blow.

FSI-No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1647.05	100.01	Initial Hydro-static
1	17.79	99.73	Open To Flow (1)
16	17.04	99.76	Shut-In(1)
45	523.29	100.30	End Shut-In(1)
46	18.51	100.12	Open To Flow (2)
77	21.59	100.64	Shut-In(2)
137	690.95	101.61	End Shut-In(2)
138	1595.62	101.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	10%Oil/90%Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stewart Petroleum Corporation

Hance #24-14

475 17th St. Ste. #790
Denver, CO 80202

24-8s-19w Rooks,KS

Job Ticket: 45240

DST#: 3

ATTN: Rick Hall

Test Start: 2011.09.04 @ 06:12:10

Tool Information

Drill Pipe:	Length: 3249.00 ft	Diameter: 3.80 inches	Volume: 45.57 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 46.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3376.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3354.00	
Shut In Tool	5.00			3359.00	
Hydraulic tool	5.00			3364.00	
Safety Joint	3.00			3367.00	
Packer	5.00			3372.00	23.00 Bottom Of Top Packer
Packer	4.00			3376.00	
Stubb	1.00			3377.00	
Perforations	1.00			3378.00	
Recorder	0.00	8354	Inside	3378.00	
Recorder	0.00	8520	Outside	3378.00	
Perforations	36.00			3414.00	
Bullnose	3.00			3417.00	41.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Petroleum Corporation

Hance #24-14

475 17th St. Ste. #790
Denver, CO 80202

24-8s-19w Rooks,KS

Job Ticket: 45240

DST#: 3

ATTN: Rick Hall

Test Start: 2011.09.04 @ 06:12:10

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	10%Oil/90%Mud	0.020

Total Length: 4.00 ft

Total Volume: 0.020 bbl

Num Fluid Samples: 0

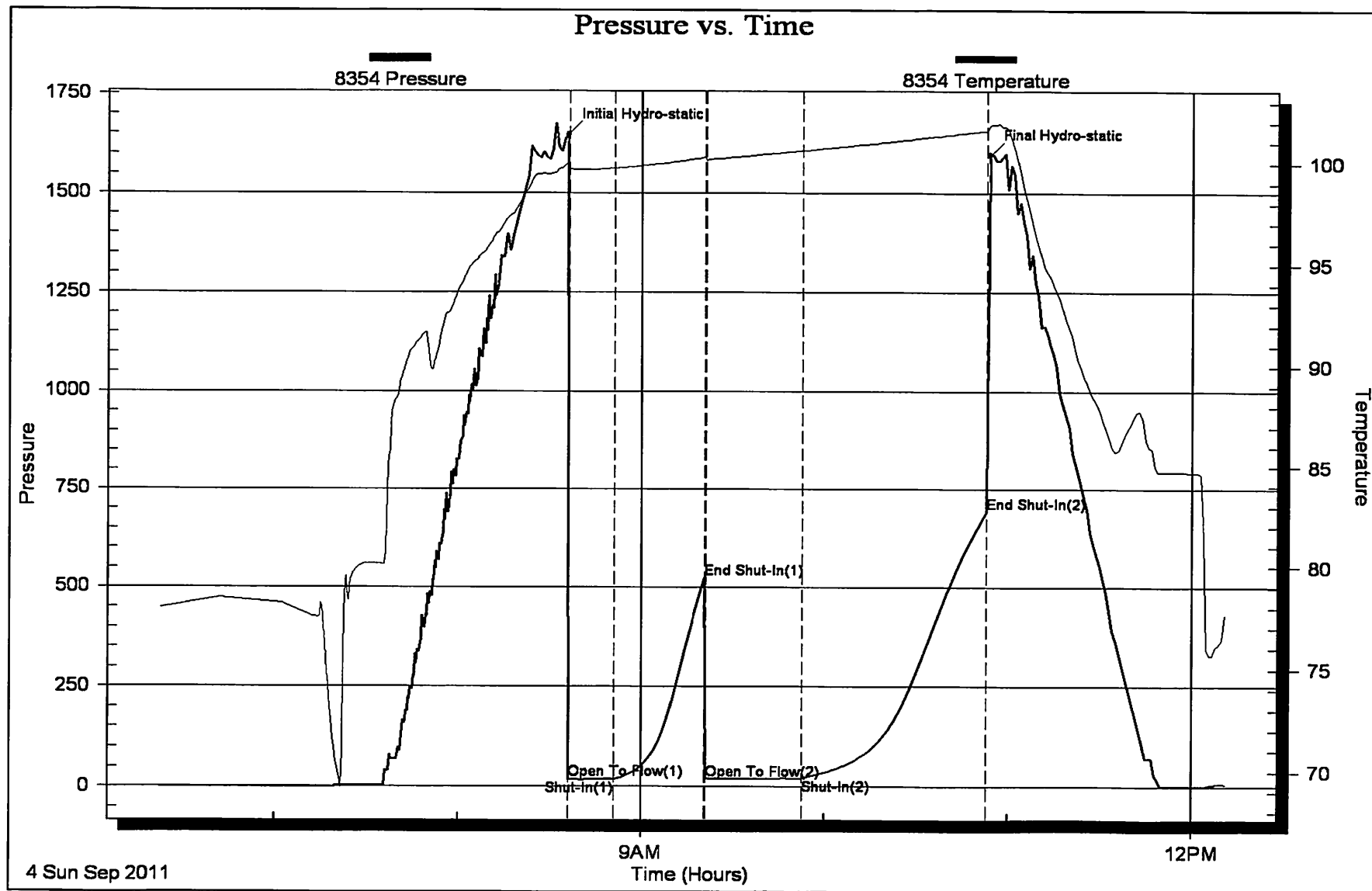
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
SEP 06 2011

Test Ticket

NO. 45238

Well Name & No. Hance #24-14 BY: _____ Test No. 7 Date 9-2-11
 Company Stewart Petroleum Corporation Elevation 2025 KB 2020 GL
 Address 475 17th St. Ste. #790 Denver, CO 80202
 Co. Rep / Geo. Rick Hall Rig WW #6
 Location: Sec. 24 Twp. 8S Rge. 19W Co. Rooks State KS

Interval Tested 3176-3229 Zone Tested Lansing "A"
 Anchor Length 53' Drill Pipe Run 3059 Mud Wt. 8.7
 Top Packer Depth 3171 Drill Collars Run 124.06 Vis 49
 Bottom Packer Depth 3176 Wt. Pipe Run 0 WL 7.6
 Total Depth 3229 Chlorides 2600 ppm System LCM 1#

Blow Description IF - Weak blow. Built to 1/2 inch. Died @ 14 minutes.
~~IF - No Return,~~
FF - No blow. Flushed. No blow,
~~IF - No Return,~~

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud</u>			<u>100</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 15 BHT 102 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1528 Test 1125 T-On Location 1515
 (B) First Initial Flow 27 Jars _____ T-Started 1640
 (C) First Final Flow 30 Safety Joint 75 T-Open 1810
 (D) Initial Shut-In 921 Circ Sub _____ T-Pulled 1945
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 2120
 (F) Second Final Flow 39 Mileage 45X2 126 Comments BHT-1534
 (G) Final Shut-In 875 Sampler _____ Slid 5' After
 (H) Final Hydrostatic 1494 Straddle _____ Opening,
 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1326
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1326

Approved By _____ Our Representative D. Rash

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 1733 • Hays, Kansas 67601

RECEIVED
SEP 06 2011

Test Ticket

NO. 45239

4/10

RY:

Well Name & No. Hance #24-14 Test No. 2 Date 9-3-11
 Company Stewart Petroleum Corporation Elevation 2025 KB 2020 GL
 Address 475 17th St., Ste. #790 Denver CO 80202
 Co. Rep / Geo. Rich Hall Rig WW #6
 Location: Sec. 24 Twp. 8S. Rge. 19W. Co. Rooks State KS

Interval Tested 3247-3306 Zone Tested LKC "C-F"
 Anchor Length 59' Drill Pipe Run 3124 Mud Wt. 8.7
 Top Packer Depth 3242 Drill Collars Run 124.06 Vis 49
 Bottom Packer Depth 3247 Wt. Pipe Run 0 WL 7.6
 Total Depth 3306 Chlorides 2600 ppm System LCM 1#

Blow Description IF - Very weak building blow, built to 2 1/2 inches.
ISI - No Return.
FF - No blow.
FBI - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>150</u>	<u>Mud</u>			<u>100</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 150 BHT 103 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1846 Test 1125 T-On Location 0815
 (B) First Initial Flow 39 Jars _____ T-Started 0845
 (C) First Final Flow 66 Safety Joint 75 T-Open 0959
 (D) Initial Shut-In 867 Circ Sub _____ T-Pulled 1430
 (E) Second Initial Flow 66 Hourly Standby _____ T-Out 1615
 (F) Second Final Flow 85 Mileage 45X2 126 Comments BHT 0845
 (G) Final Shut-In 827 Sampler _____ Slid 10'-12' after
 (H) Final Hydrostatic 1539 Straddle _____ Tool opened.
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Initial Open 30 Shale Packer _____
 Initial Shut-In 60 Extra Packer _____
 Final Flow 60 Extra Recorder _____ Sub Total 0
 Final Shut-In 120 Day Standby _____ Total 1326
 Accessibility _____ MP/DST Disc't
 Sub Total 1326

Approved By _____ Our Representative D. Resh

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 1733 • Hays, Kansas 67601 BY: _____

RECEIVED
SEP 06 2011

Test Ticket

NO. 45240

Well Name & No. Hance #24-14 Test No. 3 Date 9-4-11
 Company Stewart Petroleum Company Elevation 2025 KB 2020 GL
 Address 475 17th St, Ste. #790 Denver, CO 80202
 Co. Rep / Geo. Rich Hall Rig WW#6
 Location: Sec. 24 Twp. 8S. Rge. 19W. Co. Rooks State KS

Interval Tested 3376-3417 Zone Tested 2KC "J-K"
 Anchor Length 41' Drill Pipe Run 3249 Mud Wt. 9.1
 Top Packer Depth 3371 Drill Collars Run 124.06 Vis 49
 Bottom Packer Depth 3376 Wt. Pipe Run 0 WL 7.6
 Total Depth 3417 Chlorides 4000 ppm System LCM 1/2#

Blow Description IF - Very weak surface blow, Dried @ 6 minutes.
ISI - No Return.
FF - No blow.
FSI - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>4</u>	<u>SOCM</u>	<u>10</u>		<u>90</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 4 BHT 102 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1647 Test 1125' T-On Location 0600
 (B) First Initial Flow 18 Jars _____ T-Started 0715
 (C) First Final Flow 17 Safety Joint 75' T-Open 0835
 (D) Initial Shut-In 523 Circ Sub _____ T-Pulled 1050
 (E) Second Initial Flow 19 Hourly Standby _____ T-Out 1215
 (F) Second Final Flow 22 Mileage 45XZ 126' Comments Bart-0612
 (G) Final Shut-In 691 Sampler _____
 (H) Final Hydrostatic 1596 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1326'
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1326'

Approved By _____ Our Representative D. Rash

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