



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1277089
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1277089

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

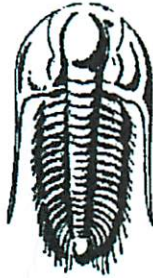
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Stewart Petroleum Corporation
Well Name	Hance 24-14
Doc ID	1277089

All Electric Logs Run

DIL
BHCS
CNL
CDL



TRILOBITE
TESTING, INC.

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

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

Total Depth: 3229.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Reference Elevations: 2025.00 ft (KB)

2020.00 ft (CF)

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

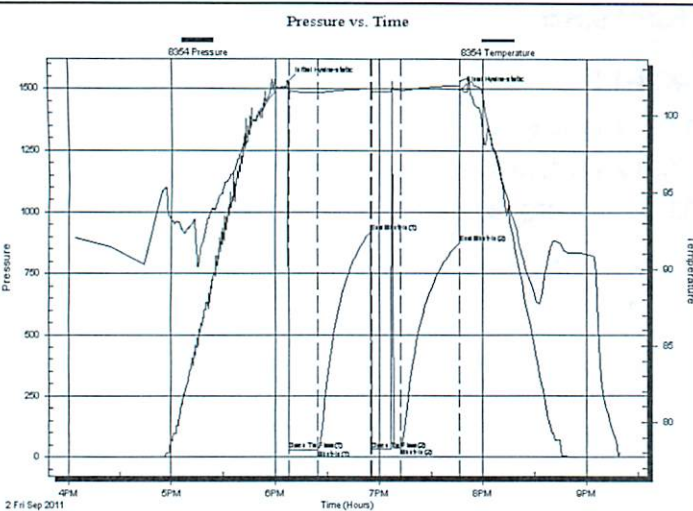
Time Off Btm: 2011.09.02 @ 19:46:35

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 bbbl
15.00	100%Mud	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

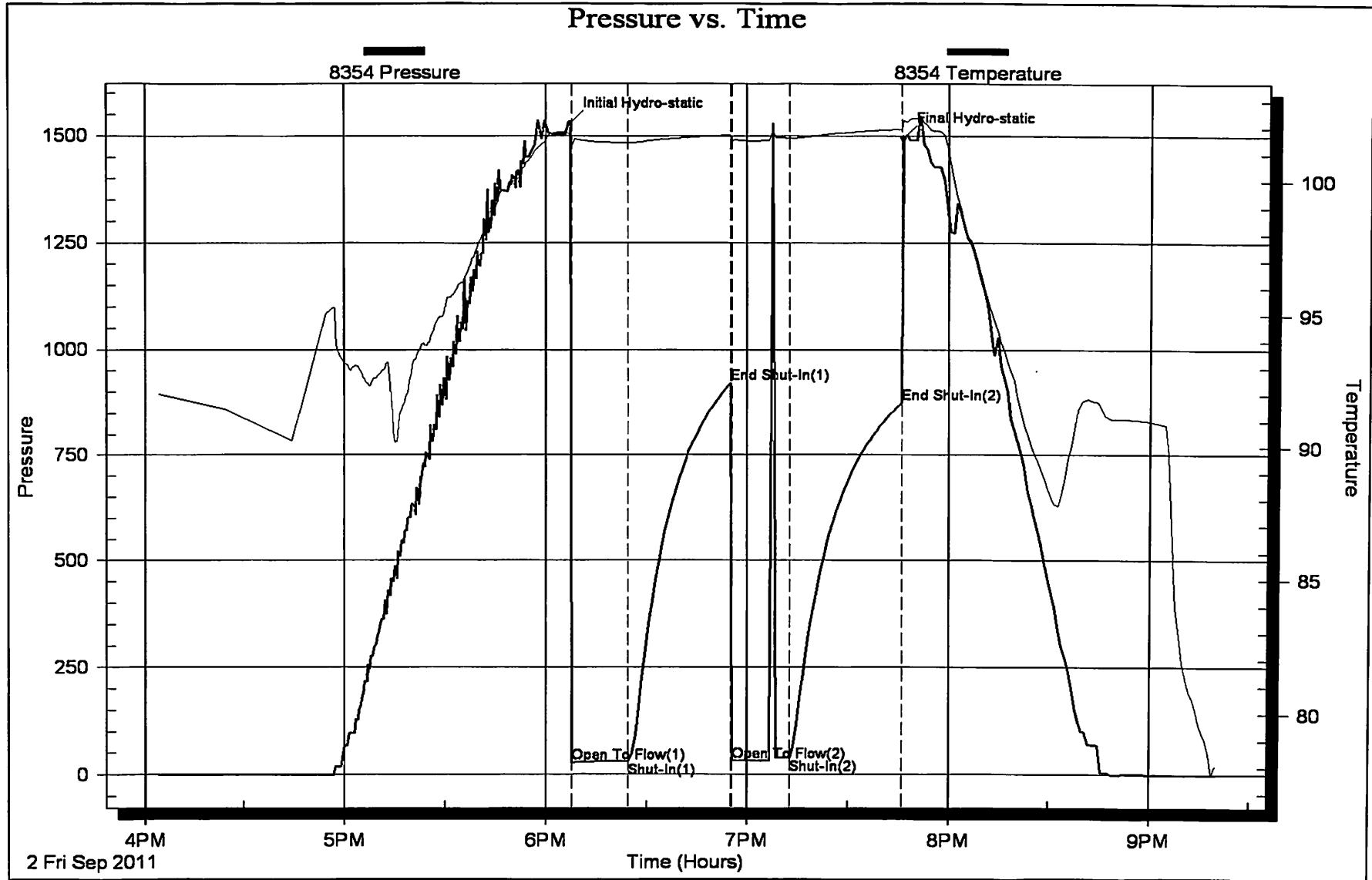
Num Gas Bombs: 0

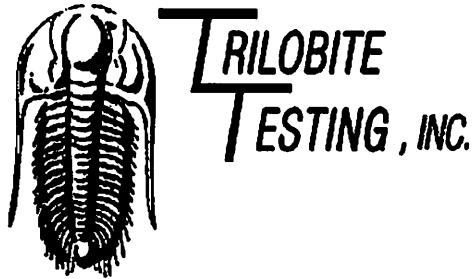
Serial #:

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**

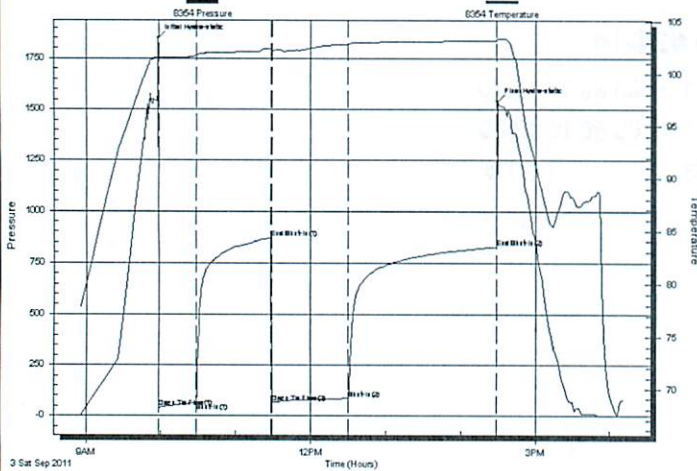
End Time: **16:12:20**

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

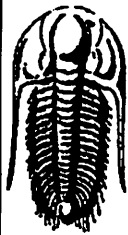
Drill Pipe:	Length: 3124.00 ft	Diameter: 3.80 inches	Volume: 43.82 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 5000.00 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



**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: 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

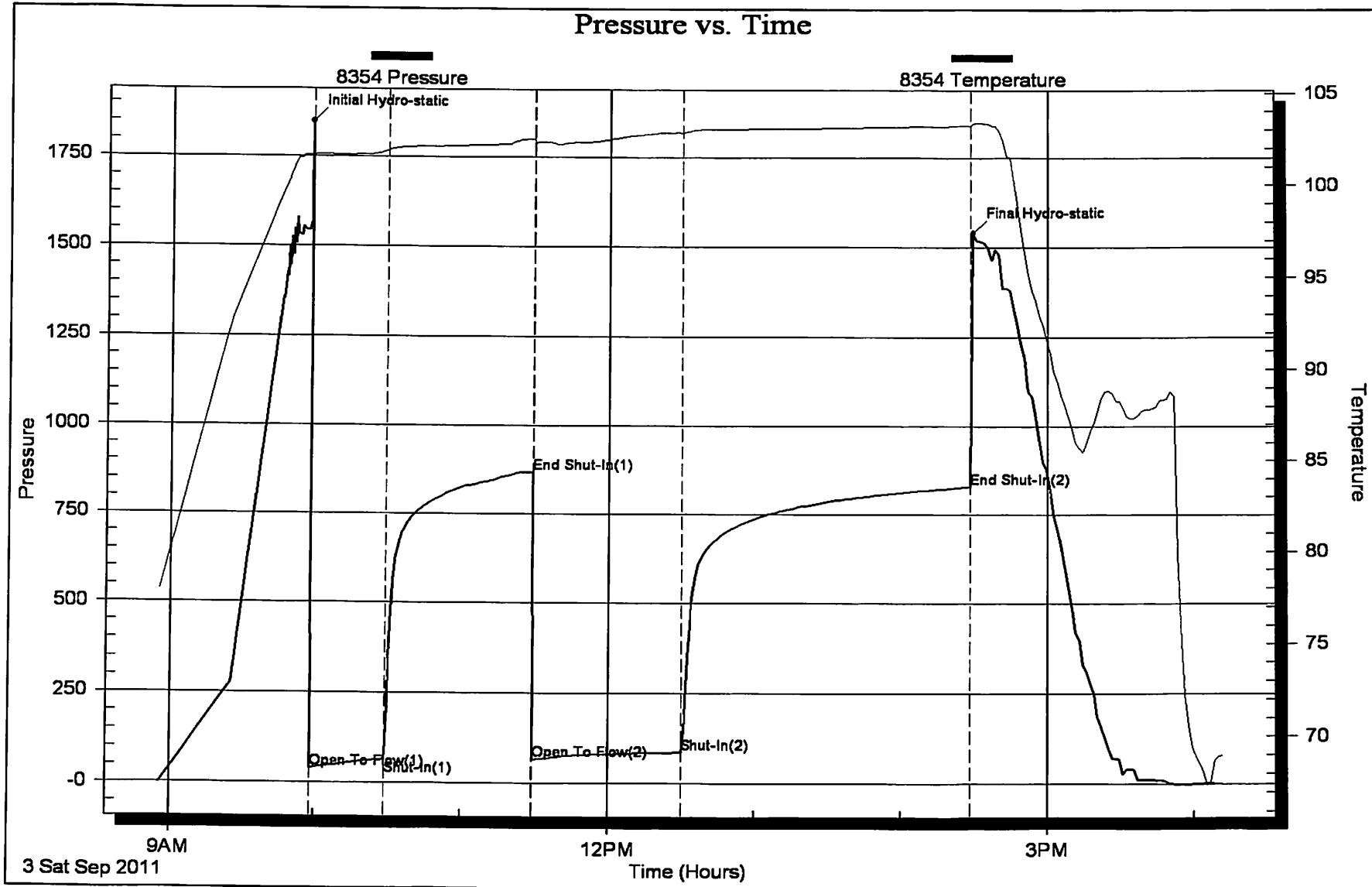
Num Gas Bombs: 0

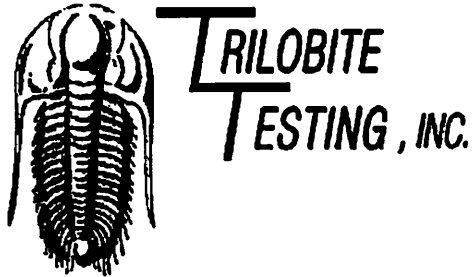
Serial #:

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

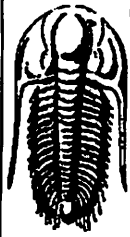
Hance #24-14

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

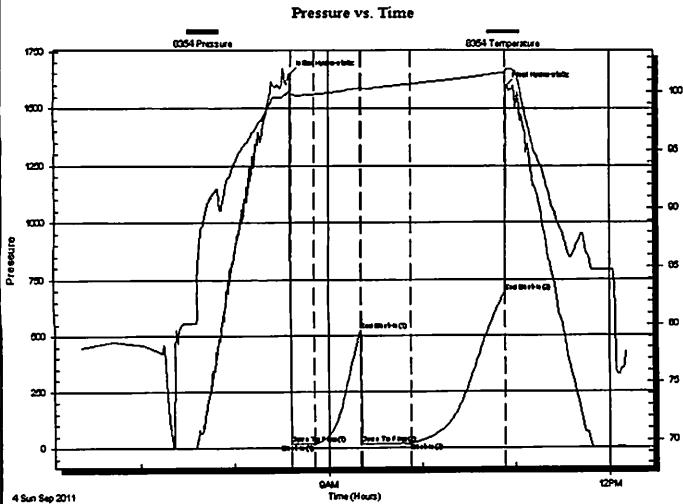
TEST COMMENT: IF-Very weak surface blow. Died @ 6 minutes.

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: bbl

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

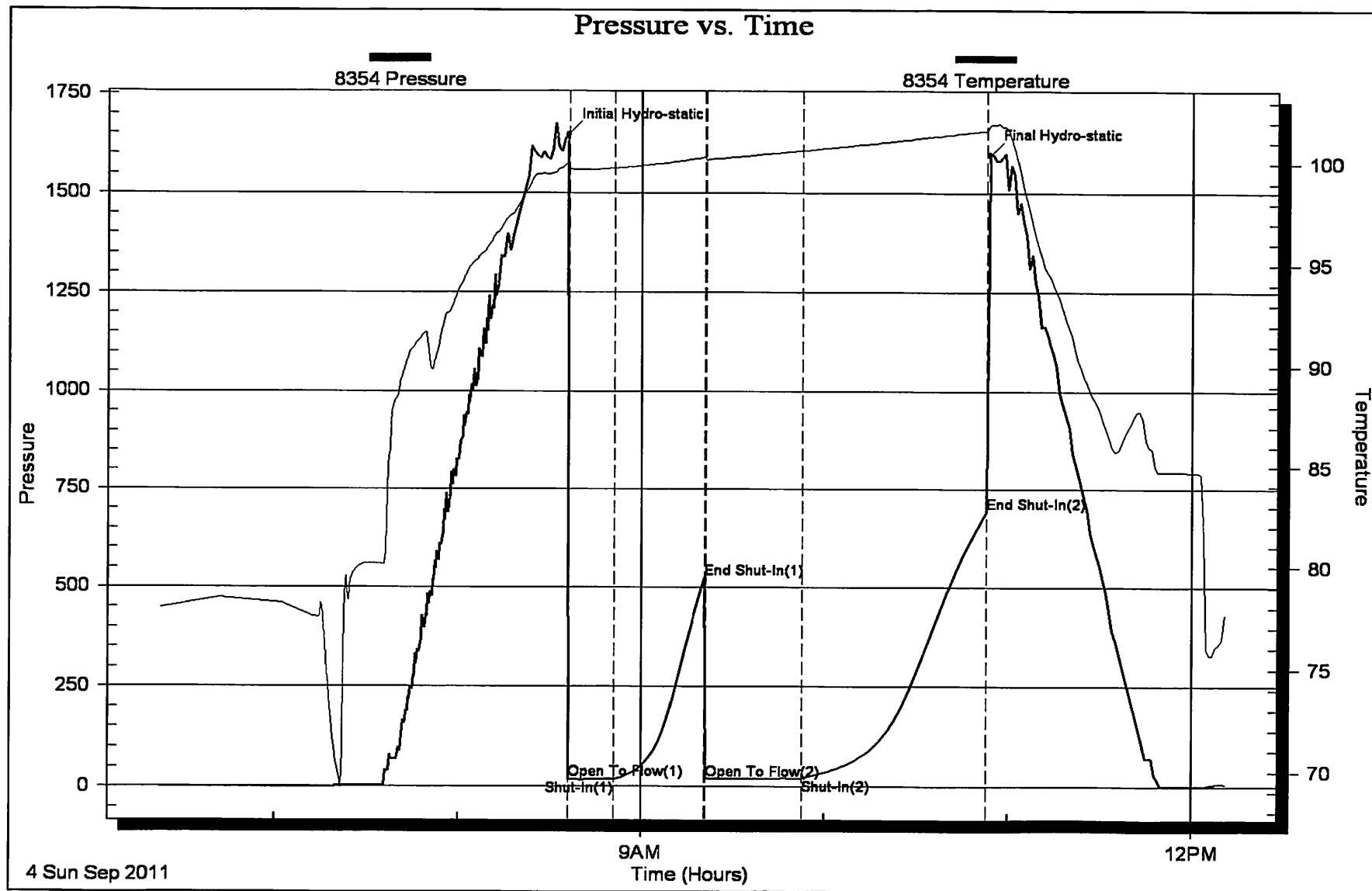
Length ft	Description	Volume bbl
4.00	10%Oil/90%Mud	0.020

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 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. Dried @ 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 120 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 8
 Day Standby _____ Total 1320
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1320

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

Approved By _____ Our Representative D. Resh

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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 BATT-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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ALLIED CEMENTING CO., LLC. 038257

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <u>9/5/11</u>	SEC. <u>24</u>	TWP. <u>8 S</u>	RANGE <u>19 W</u>	CALLED OUT	ON LOCATION	JOB START <u>3:15 p</u>	JOB FINISH <u>3:45 p</u>
LEASE <u>Hance</u>	WELL # <u>24-14</u>	LOCATION <u>Plainville N to Rd R</u>			COUNTY <u>Rooks</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)			<u>wt 13rd in 1/2m Nwbr</u>				

CONTRACTOR Woodruff Rig & S

TYPE OF JOB PTA

HOLE SIZE 2 7/8 T.D. 3576'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 3457'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 230 bags 8 7/8" 1 1/4" PL

COMMON	<u>138</u>	@	<u>16.25</u>	<u>2242.50</u>
POZMIX	<u>92</u>	@	<u>8.50</u>	<u>782.00</u>
GEL	<u>8</u>	@	<u>21.25</u>	<u>170.00</u>
CHLORIDE		@		
ASC		@		

EQUIPMENT

PUMP TRUCK CEMENTER Shane

409 HELPER Todd

BULK TRUCK

481 DRIVER Ron

BULK TRUCK

_____ DRIVER _____

FL Seel 57#	@	<u>2.70</u>	<u>153.90</u>	
HANDLING	<u>238</u>	@	<u>2.25</u>	<u>535.50</u>
MILEAGE	<u>111.56/mile</u>		<u>1518.94</u>	
TOTAL			<u>5402.34</u>	

REMARKS:

3457' 25 sks

1460 25 sks

850' 100 sks

270' 40 sks

40' 10 sks

Rat Hole 30 sks

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE			<u>1250.00</u>	
EXTRA FOOTAGE	@			
MILEAGE	<u>116</u>	@	<u>7.00</u>	<u>812.00</u>
MANIFOLD	@			
<u>CON</u>	<u>116</u>	@	<u>4.00</u>	<u>464.00</u>
TOTAL			<u>2526.00</u>	

CHARGE TO: Steward Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@		
	@		
<u>Dry Hole Plug</u>	@		<u>N-C</u>
	@		
	@		
TOTAL			

Thanks!

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Mark Biggs

SIGNATURE Mark Biggs

SALES TAX (If Any) _____

TOTAL CHARGES 7928.34

DISCOUNT 50/20 IF PAID IN 30 DAYS