



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1277179
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: _____

1277179

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> <i>(Submit ACO-4)</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 14-9
Doc ID	1277179

All Electric Logs Run

dil
mel
cnl
cdl

JOB LOG

SWIFT Services, Inc.

DATE 5-31-11 PAGE NO. 1

CUSTOMER Stewart Petroleum Corp WELL NO. 14-9 LEASE House JOB TYPE Cement Logging TICKET NO. 19757

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								TD 3525'
	0850							On location L1 / Float Pump - Rig LDDP Welder worked on 7 scratchers.
	11:00							Start 5 1/2 15.5" / 14 Casing in 7 7/8 Hole Insert Float Shoe w/ Auto Fill @ 3522' L.D. Baffle - S.J. - 22 1/4' @ 3499 1/2' Cent on ST No. 92-2-4-6-8-9-11-13-15-17-5 Cement Basket in Annular # 53 D.U. on Collar # 53 @ 1353' Drop Ball 6 lbs out. Start circ / Rotate casing
	1520							Fin circ - Ready 1st Stage - Take on Muck 1st Stage
		6	12				250	Pump 500 gal Muck Flush
		6	20				250	Pump 20 BBI KCL Flush
		4 1/2					200	Start 125 SKS EA-2 cont
	1550		30				Var	Fin cont - Wash Pump & Lines
	1558	9 1/2					300	Drop LD Plug - Start Displ - 51 HD
		9	60				400	x .32 Muck - Caught Press
		8	70				400	Slow rate
		7	75				400	Slow rate
		6	80				400	Slow rate
		5 1/2	82				400	Slow rate
	1605		83 1/4				500	Plug Down - Hold - Release & Hold
							1050	Drop D.U. opening tool - Plug RH 3050' SMB
	1620	6					300	Open D.U. TR - Clean out Muck
	1625							Rig start circ for 2nd Stage
	1715							Fin circ
		6	20				150	Pump 20 BBI KCL Flush
		6					150	Start 170 SKS Sump out
	1738		95				200	Fin cont
							100	Drop D.U. Closure Plug
	1740	6					300	Start Displ (32 BBI)
	1745		32				300	Plug Down - D.U. closed - Hold & Release
							0	Job complete 57 SKS Sump out W/ cleanup & Packup Citealote to J. Fit John, Doug & John U.

ALLIED CEMENTING CO., LLC. 035777

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell, KS

DATE <u>5-24-11</u>	SEC. <u>14</u>	TWP. <u>8</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00</u>	JOB FINISH <u>5:30</u>
LEASE <u>Hence</u>	WELL # <u>14-9</u>	LOCATION <u>Plainville 6 N 5 W</u>			COUNTY <u>Rooks</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)				<u>2 N Einto</u>			

CONTRACTOR Ww Drilling Rig # 6
TYPE OF JOB Surface

OWNER _____

HOLE SIZE _____ T.D. 219
CASING SIZE 8 5/8 DEPTH _____
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____
CEMENT LEFT IN CSG. 15 ft
PERFS. _____
DISPLACEMENT 13.00

CEMENT AMOUNT ORDERED 150 com
3 & 2

EQUIPMENT

PUMP TRUCK CEMENTER Heath
378 HELPER Woody
BULK TRUCK
378 DRIVER Ron
BULK TRUCK
_____ DRIVER _____

COMMON	<u>150</u>	@	<u>16.25</u>	<u>2437.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>5</u>	@	<u>58.20</u>	<u>291.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>155</u>	@	<u>2.25</u>	<u>348.75</u>
MILEAGE	<u>111.56</u>	@	<u>8.87</u>	<u>988.90</u>
TOTAL				<u>4129.90</u>

REMARKS:

Ran 5 Joints 8 5/8 & Landing Joint
Displaced 13 bbl H2O

Cement Did Circulate!!
Thank You!!

CHARGE TO: Stewart Petroleum Corp
STREET 475 17th St STE 790
CITY Denver STATE CO ZIP 80202

SERVICE

DEPTH OF JOB	_____			
PUMP TRUCK CHARGE				<u>1125.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>116</u>	@	<u>7.00</u>	<u>812.00</u>
MANIFOLD		@		
<u>20m</u>	<u>116</u>	@	<u>4.00</u>	<u>464.00</u>
		@		
TOTAL				<u>2401.00</u>

PLUG & FLOAT EQUIPMENT

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____

TOTAL _____

SALES TAX (If Any) _____
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stewart Petroleum Corporation

Hance 14-9

475 17th St 790
Denver Co 80202

14-8s-19w-Rooks

Job Ticket: 43808

DST#: 1

ATTN: Daryl Stewart

Test Start: 2011.05.27 @ 08:41:13

GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:25:13

Time Test Ended: 15:46:13

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3171.00 ft (KB) To 3185.00 ft (KB) (TVD)

Reference Elevations: 2001.00 ft (KB)

Total Depth: 3185.00 ft (KB) (TVD)

1996.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6672 Inside

Press @ Run Depth: 24.03 psig @ 3172.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.27 End Date: 2011.05.27

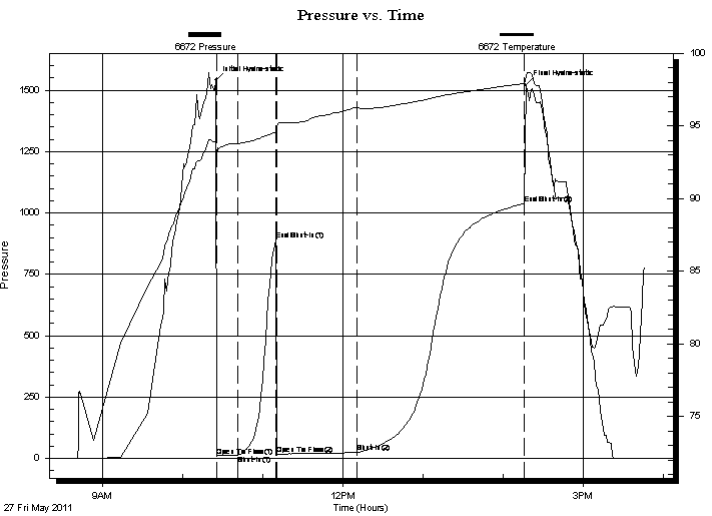
Last Calib.: 2011.05.27

Start Time: 08:41:14 End Time: 15:46:13

Time On Btm: 2011.05.27 @ 10:24:43

Time Off Btm: 2011.05.27 @ 14:16:43

TEST COMMENT: IFP-Weak blow built to 1/8 in
ISI-Dead no blow back
FFP-Weak blow built to 1 1/4 in
FSI-Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1539.95	93.88	Initial Hydro-static
1	10.03	92.91	Open To Flow (1)
16	14.62	93.77	Shut-In(1)
45	891.15	94.55	End Shut-In(1)
46	18.85	94.43	Open To Flow (2)
106	24.03	96.24	Shut-In(2)
231	1038.58	97.93	End Shut-In(2)
232	1521.89	98.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 18%O82%M	0.02
3.00	Free Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Petroleum Corporation

Hance 14-9

475 17th St Ste 790
Denver Co 80202

14-8s-19w-Rooks

Job Ticket: 43808

DST#: 1

ATTN: Daryl Stewart

Test Start: 2011.05.27 @ 08:41:13

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 18%O82%M	0.025
3.00	Free Oil	0.015

Total Length: 8.00 ft Total Volume: 0.040 bbl

Num Fluid Samples: 0

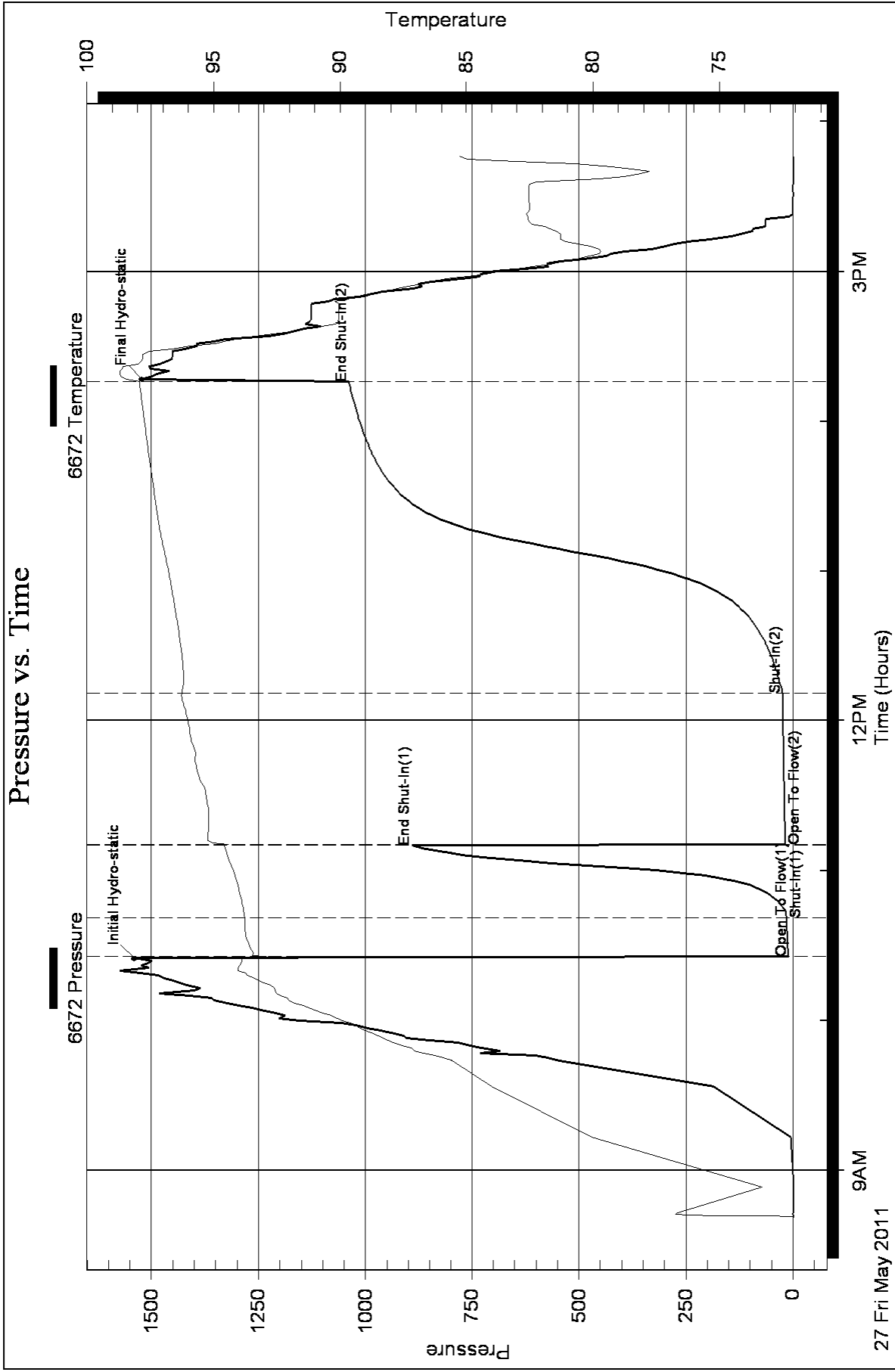
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stewart Petroleum Corporation

Hance 14-9

475 17th st 790
Denver Co 80202

14-8s-19w-Rooks

ATTN: Daryl Stewart

Job Ticket: 43809

DST#: 2

Test Start: 2011.05.28 @ 00:34:27

GENERAL INFORMATION:

Formation: **Lansing-C&D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:02:57

Time Test Ended: 05:47:27

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3205.00 ft (KB) To 3250.00 ft (KB) (TVD)

Reference Elevations: 2001.00 ft (KB)

Total Depth: 3250.00 ft (KB) (TVD)

1996.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6672 Inside

Press @ Run Depth: 38.39 psig @ 3212.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.28 End Date: 2011.05.28

Last Calib.: 2011.05.28

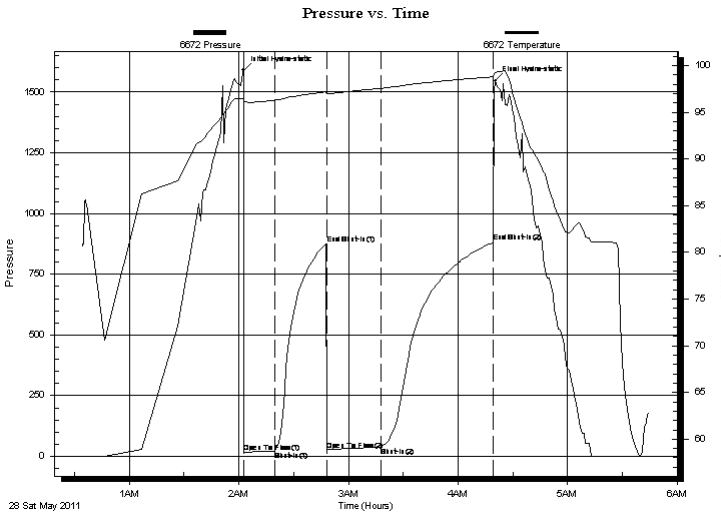
Start Time: 00:34:28 End Time: 05:45:27

Time On Btm: 2011.05.28 @ 02:02:27

Time Off Btm: 2011.05.28 @ 04:20:27

TEST COMMENT: IFP-Weak blow built to 3/4 in
ISI-Dead no blow back
FFP-Dead no blow
FSI-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1589.64	96.45	Initial Hydro-static
1	16.14	96.12	Open To Flow (1)
17	22.72	96.28	Shut-In(1)
46	874.98	97.19	End Shut-In(1)
46	27.11	97.01	Open To Flow (2)
76	38.39	97.58	Shut-In(2)
137	881.39	98.81	End Shut-In(2)
138	1547.16	99.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 5% O95%M	0.05

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Petroleum Corporation

Hance 14-9

475 17th St Ste 790
Denver Co 80202

14-8s-19w-Rooks

Job Ticket: 43809

DST#: 2

ATTN: Daryl Stewart

Test Start: 2011.05.28 @ 00:34:27

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM5%O95%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

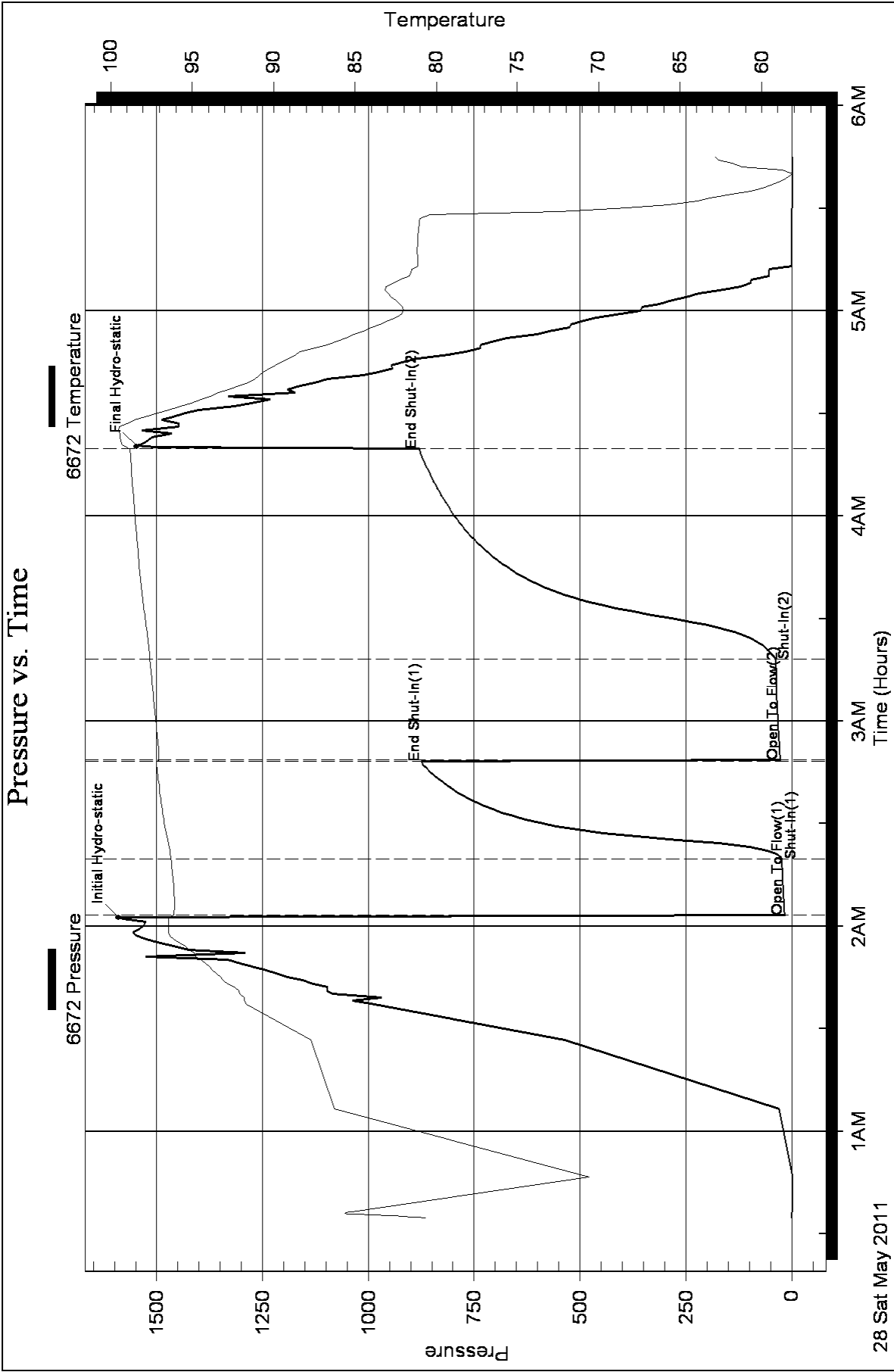
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stewart Petroleum Corporation

Hance 14-9

475 17th st 790
Denver Co 80202

14-8s-19w-Rooks

ATTN: Daryl Stewart

Job Ticket: 43812

DST#: 5

Test Start: 2011.05.29 @ 17:25:48

GENERAL INFORMATION:

Formation: **Lansing -K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:13:18

Time Test Ended: 01:23:48

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3348.00 ft (KB) To 3390.00 ft (KB) (TVD)

Reference Elevations: 2001.00 ft (KB)

Total Depth: 3390.00 ft (KB) (TVD)

1996.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6672 Inside

Press @ Run Depth: 146.50 psig @ 3353.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.29

End Date:

2011.05.30

Last Calib.: 2011.05.30

Start Time: 17:25:49

End Time:

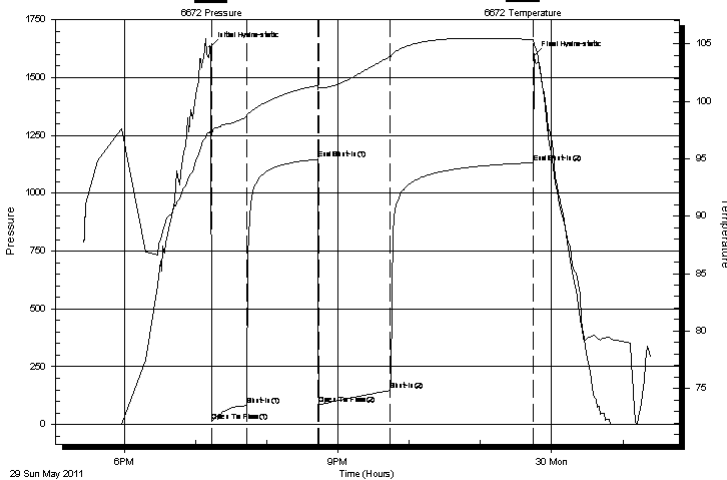
01:23:48

Time On Btm: 2011.05.29 @ 19:12:48

Time Off Btm: 2011.05.29 @ 23:45:18

TEST COMMENT: IFP-Fair blow built to 8 in
ISI-Dead no blow back
FFP-Good blow BOB in 53 min
FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1633.44	97.47	Initial Hydro-static
1	15.00	97.07	Open To Flow (1)
30	82.84	98.65	Shut-In(1)
90	1146.92	101.39	End Shut-In(1)
91	85.28	101.17	Open To Flow (2)
151	146.50	103.88	Shut-In(2)
272	1132.38	105.40	End Shut-In(2)
273	1597.00	104.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	MW 20%M80%W	2.38
42.00	WM 5%W95%M	0.59

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Petroleum Corporation

Hance 14-9

475 17th st 790
Denver Co 80202

14-8s-19w-Rooks

Job Ticket: 43812

DST#: 5

ATTN: Daryl Stewart

Test Start: 2011.05.29 @ 17:25:48

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: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
250.00	MW 20%M80%W	2.377
42.00	WM 5%W95%M	0.589

Total Length: 292.00 ft Total Volume: 2.966 bbl

Num Fluid Samples: 0

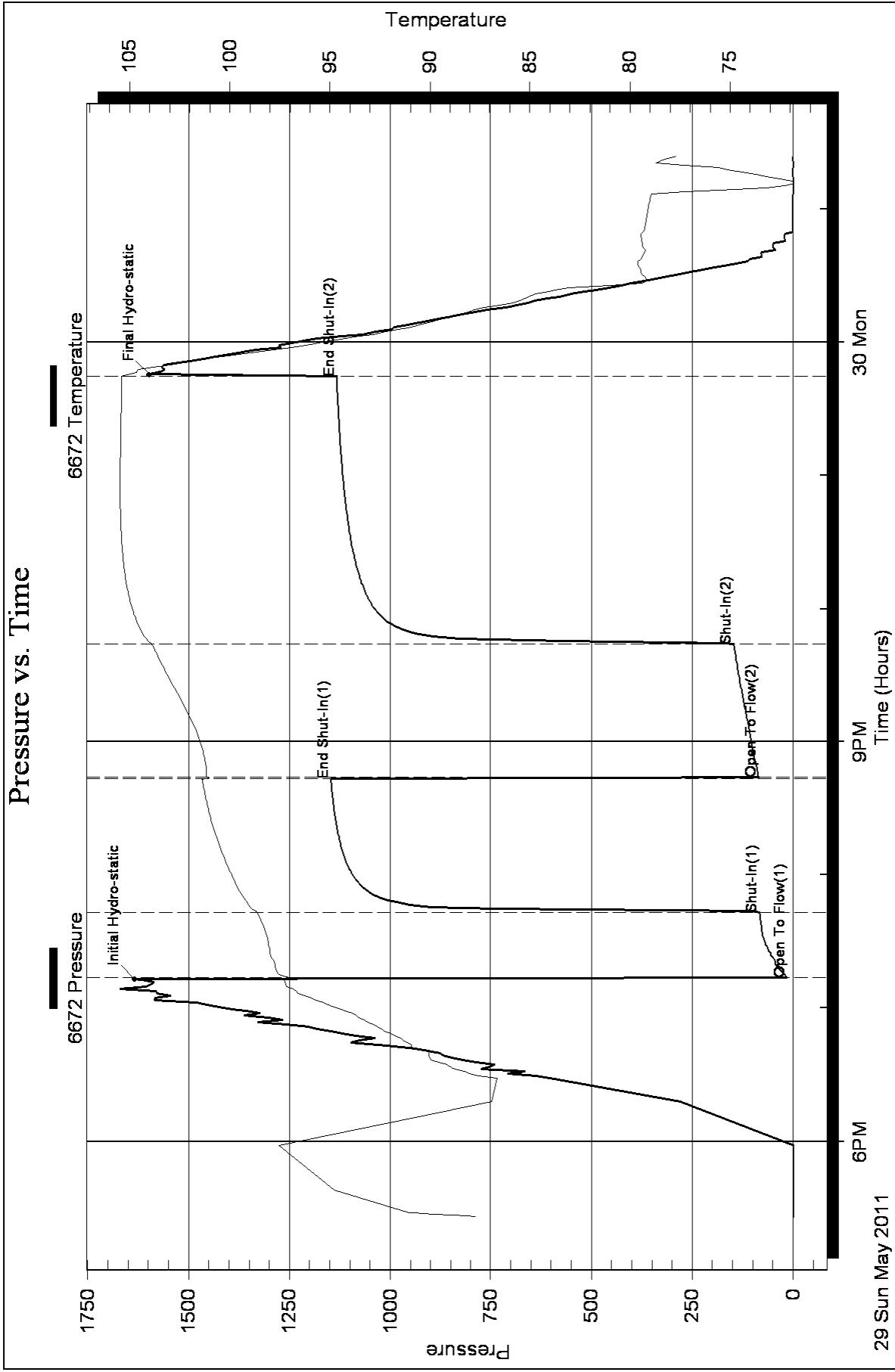
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stewart Petroleum Corporation

Hance 14-9

475 17th St 790
Denver Co 80202

14-8s-19w-Rooks

ATTN: Daryl Stewart

Job Ticket: 43810

DST#: 3

Test Start: 2011.05.28 @ 11:36:32

GENERAL INFORMATION:

Formation: **Lansing-EF**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:07:02

Time Test Ended: 19:11:02

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3248.00 ft (KB) To 3270.00 ft (KB) (TVD)

Reference Elevations: 2001.00 ft (KB)

Total Depth: 3270.00 ft (KB) (TVD)

1996.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6672 Inside

Press @ Run Depth: 79.76 psig @ 3249.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.28 End Date: 2011.05.28

Last Calib.: 2011.05.28

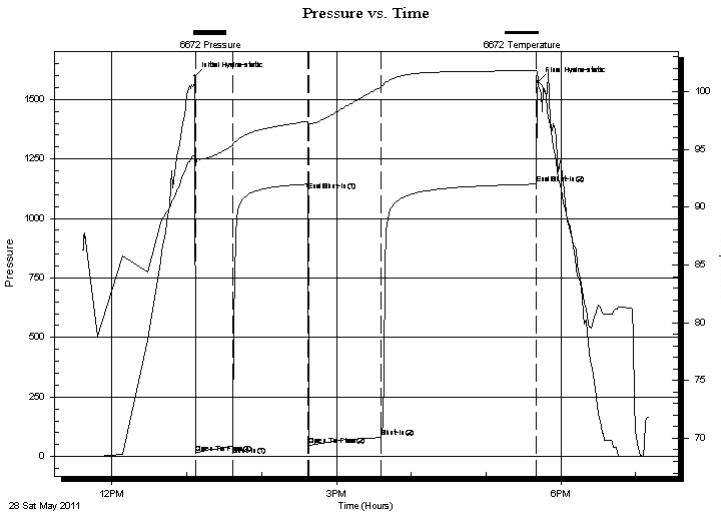
Start Time: 11:36:33 End Time: 19:11:02

Time On Btm: 2011.05.28 @ 13:06:32

Time Off Btm: 2011.05.28 @ 17:41:32

TEST COMMENT: IFP-Weak blow built to 2 3/4 in
ISI-Dead no blow back
FFP-Weak blow built to 3 in
FSI-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1596.54	94.45	Initial Hydro-static
1	14.51	93.60	Open To Flow (1)
30	42.09	95.32	Shut-In(1)
91	1117.47	97.42	End Shut-In(1)
91	46.05	97.21	Open To Flow (2)
150	79.76	100.41	Shut-In(2)
274	1143.77	101.83	End Shut-In(2)
275	1573.69	101.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MW 20%M80%W	0.61
20.00	MW with oil spots 45%M55%W	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Petroleum Corporation

Hance 14-9

475 17th St Ste 790
Denver Co 80202

14-8s-19w-Rooks

Job Ticket: 43810

DST#: 3

ATTN: Daryl Stewart

Test Start: 2011.05.28 @ 11:36:32

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:

74000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	MW 20%M80%W	0.610
20.00	MW with oil spots 45%M55%W	0.281

Total Length: 144.00 ft

Total Volume: 0.891 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

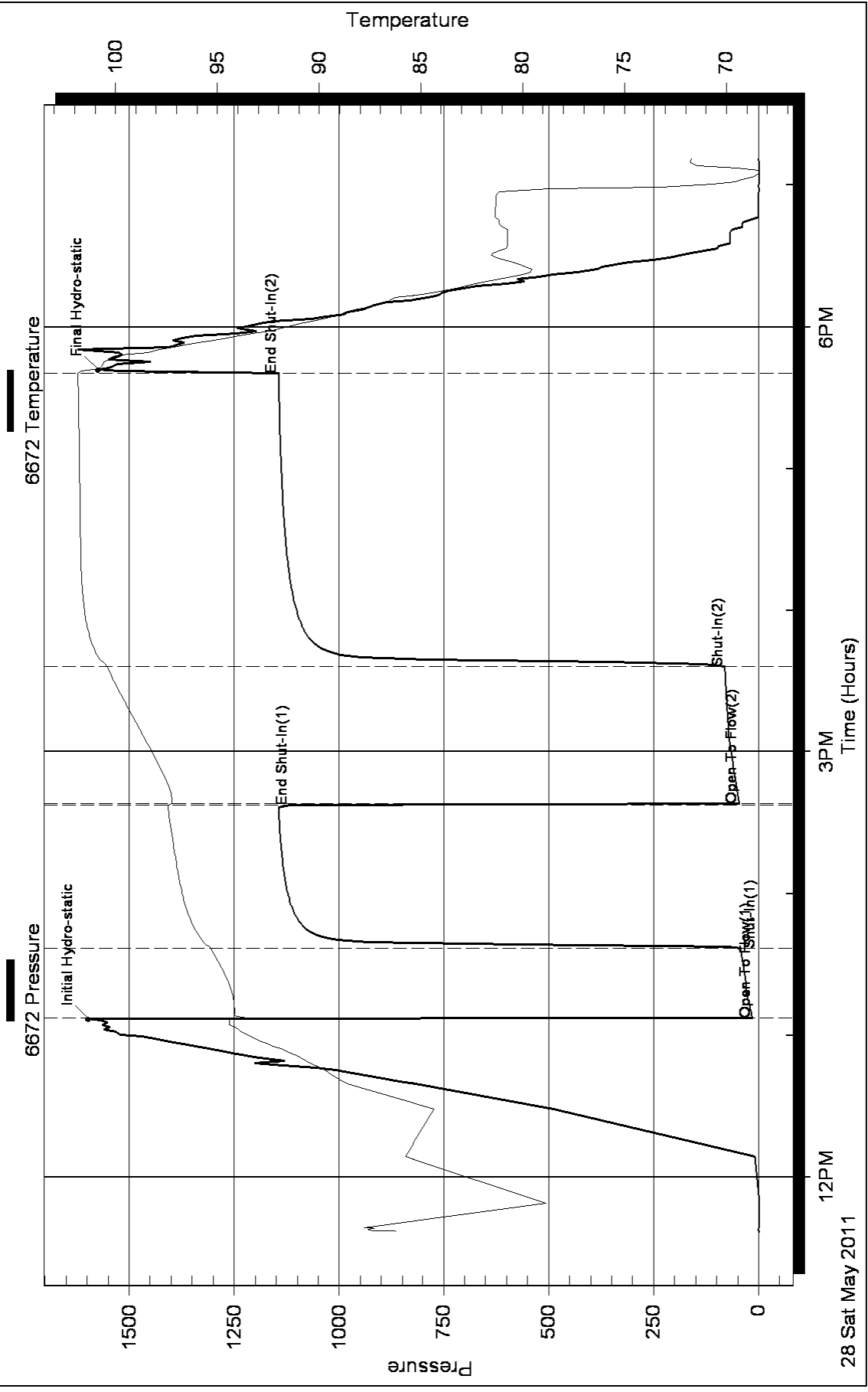
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stewart Petroleum Corporation

Hance 14-9

475 17th St 790
Denver Co 80202

14-8s-19w-Rooks

ATTN: Daryl Stewart

Job Ticket: 43811

DST#: 4

Test Start: 2011.05.29 @ 04:56:47

GENERAL INFORMATION:

Formation: **Lansing -I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:28:17

Time Test Ended: 11:37:17

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3322.00 ft (KB) To 3352.00 ft (KB) (TVD)

Reference Elevations: 2001.00 ft (KB)

Total Depth: 3352.00 ft (KB) (TVD)

1996.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6672 Inside

Press @ Run Depth: 14.58 psig @ 3328.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.29 End Date: 2011.05.29

Last Calib.: 2011.05.29

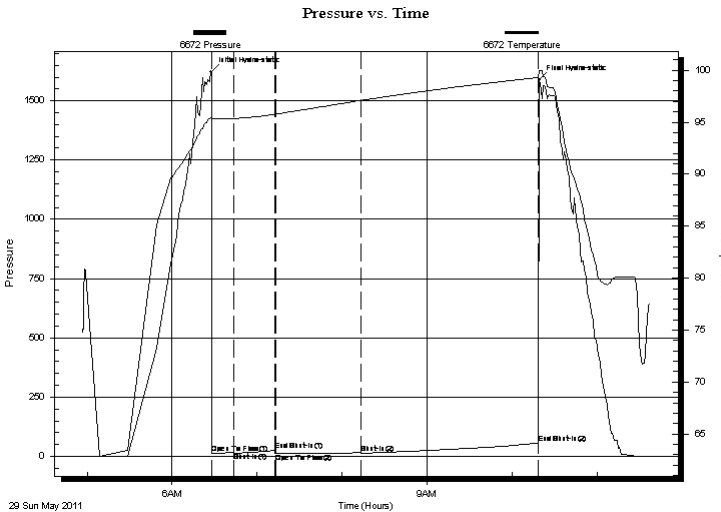
Start Time: 04:56:48 End Time: 11:37:17

Time On Btm: 2011.05.29 @ 06:27:47

Time Off Btm: 2011.05.29 @ 10:19:17

TEST COMMENT: IFP-Weak blow built to 1/4 in
ISI-Dead no blow back
FFP-Dead no blow
FSI-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1622.24	95.54	Initial Hydro-static
1	13.11	95.27	Open To Flow (1)
16	14.59	95.37	Shut-In(1)
45	24.48	95.78	End Shut-In(1)
46	13.45	95.78	Open To Flow (2)
106	14.58	97.09	Shut-In(2)
231	56.38	99.30	End Shut-In(2)
232	1587.95	99.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud with oil spots	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Petroleum Corporation

Hance 14-9

475 17th St 790
Denver Co 80202

14-8s-19w-Rooks

Job Ticket: 43811

DST#: 4

ATTN: Daryl Stewart

Test Start: 2011.05.29 @ 04:56:47

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: 43.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud with oil spots	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

