



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1226197
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: _____

1226197

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	H & C Oil Operating Inc.
Well Name	Delbert Walt Trust 13-6
Doc ID	1226197

All Electric Logs Run

Microresistivity log
Dual induction log
Dual compensated porosity log
Sonic cement bond log

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 524

Date	7-27-14	13	10	26	Range	County	State	On Location	Finish
Lease		Delbert Walt Trust		Well No. 13-6		Sheridan KS		4:30 AM	
Contractor		American Energy #2				Location		5+ Peter 4 1/2 W 3/4 S	
Type Job		Production string				Owner			
Hole Size		7 7/8		T.D.		Charge To		H+C	
Csg.		5 1/2		Depth		Street			
Tbg. Size				Depth		City		State	
Tool				Depth		The above was done to satisfaction and supervision of owner agent or contractor.		1/4" P	
Cement Left in Csg.		Shoe Joint		21.46		Cement Amount Ordered		160 Q-Pro-C 10' to Salt 5' to Wilson	
Meas Line		Displace		99 3/4 bbl		Common		160 Q-Pro-C	
EQUIPMENT									
Pumptrk	No.	Cementer	David		Brett	Poz. Misc		429 Q-Misc	
Bulktrk	No.	Helper	Chad			Gel.			
Bulktrk	No.	Driver	Cory		for	Calcium			
JOB SERVICES & REMARKS									
Remarks:									
Rat Hole	-	30.5x							
Mouse Hole									
Centralizers	-	1-10, 47, 65, 75							
Baskets	-	2, 44, 66, 76							
D/V or Port Collar									
Mix	500 Gal	Mud	Flush						
Plugged	Rat hole								
Mixed	445 Q-MDC								
Mixed	160 Q-Pro-C								
Displaced	99 3/4 bbl								
Lift pressure	800 lbs								
Loaded plug	@ 1800 lbs								
Plug held									
Cement	Circulate!!								
Pumptrk Charge	prod string								
Mileage	35								
Tax									
Discount									
Total Charge									

X Signature Bob Plante



DRILL STEM TEST REPORT

Prepared For: **H&C Oil Company Inc.**

PO Box 86
Plainville, KS 67663

ATTN: Anthony Luna

13-10-26 Sheridan,KS

Delbert Walt Trust #13-6

Start Date: 2014.07.24 @ 17:35:00

End Date: 2014.07.24 @ 22:29:30

Job Ticket #: 59421 DST #: 1

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

Printed: 2014.07.28 @ 15:28:59

H&C Oil Company Inc.

Delbert Walt Trust #13-6

13-10-26 Sheridan,KS

DST # 1

LKC "C-D"

2014.07.24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Company Inc.

Delbert Walt Trust #13-6

PO Box 86
Plainville, KS 67663

13-10-26 Sheridan, KS

Job Ticket: 59421

DST#: 1

ATTN: Anthony Luna

Test Start: 2014.07.24 @ 17:35:00

Tool Information

Drill Pipe:	Length: 3833.00 ft	Diameter: 3.80 inches	Volume: 53.77 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: lb
		Total Volume: 53.92 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial lb
Depth to Top Packer:	3880.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 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			3853.00	
Shut In Tool	5.00			3858.00	
Hydraulic tool	5.00			3863.00	
Jars	5.00			3868.00	
Safety Joint	2.00			3870.00	
Packer	5.00			3875.00	28.00 Bottom Of Top Packer
Packer	5.00			3880.00	
Stubb	1.00			3881.00	
Recorder	0.00	8789	Inside	3881.00	
Recorder	0.00	8289	Outside	3881.00	
Perforations	18.00			3899.00	
Bullnose	3.00			3902.00	22.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Company Inc.

Delbert Walt Trust #13-6

PO Box 86
Plainville, KS 67663

13-10-26 Sheridan,KS

Job Ticket: 59421 **DST#: 1**

ATTN: Anthony Luna

Test Start: 2014.07.24 @ 17:35:00

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:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 0.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

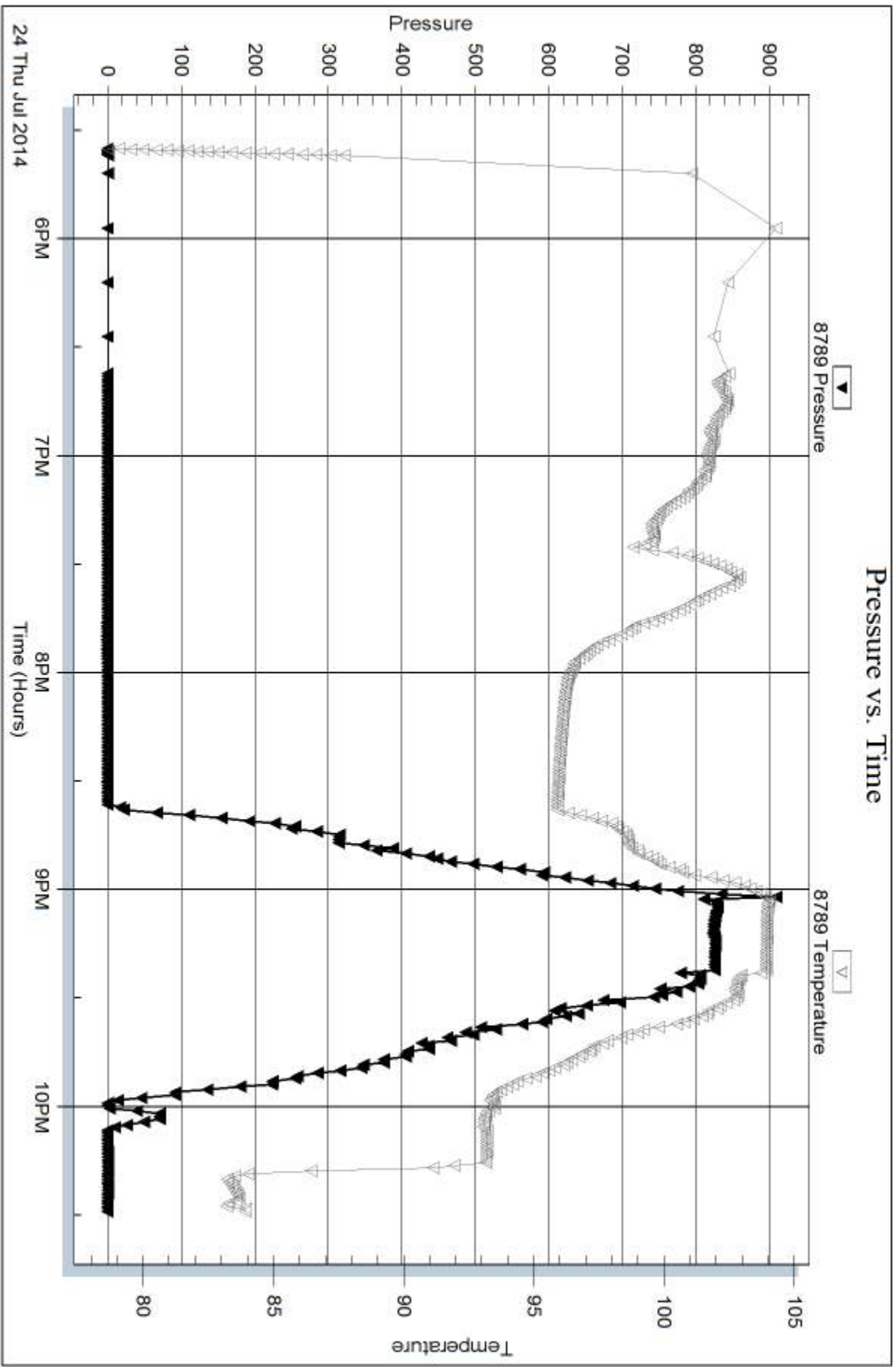
Serial #: 8789

Inside

H&C Oil Company Inc.

13-10-26 Sheridan, KS

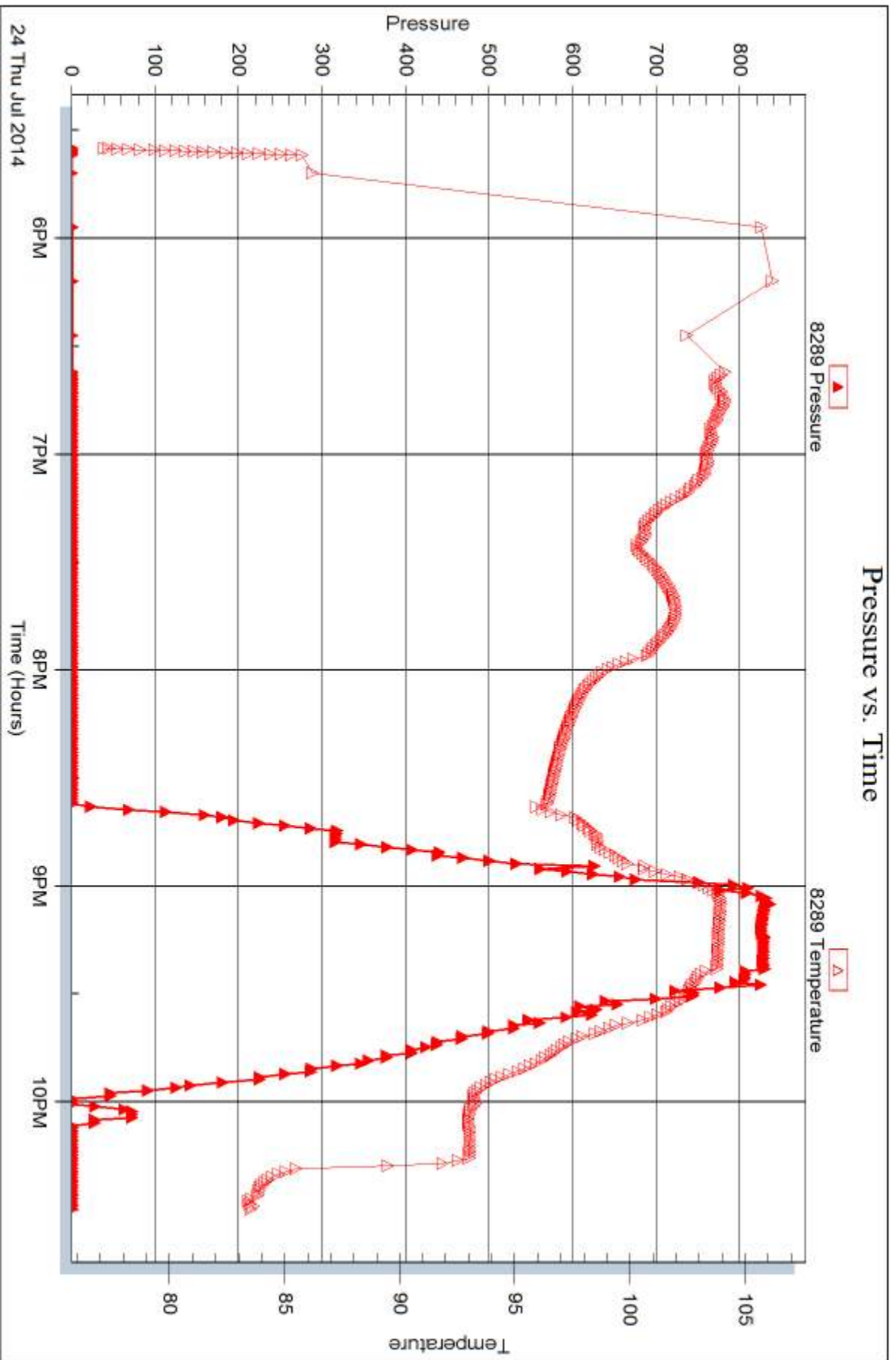
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59421

Printed: 2014.07.28 @ 15:29:00





DRILL STEM TEST REPORT

Prepared For: **H&C Oil Company Inc.**

PO Box 86
Plainville, KS 67663

ATTN: Anthony Luna

13-10-26 Sheridan,KS

Delbert Walt Trust #13-6

Start Date: 2014.07.25 @ 03:48:00

End Date: 2014.07.25 @ 09:37:45

Job Ticket #: 59422 DST #: 2

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

Printed: 2014.07.28 @ 15:28:25

H&C Oil Company Inc.

Delbert Walt Trust #13-6

13-10-26 Sheridan,KS

DST # 2

LKC "C-D"

2014.07.25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Company Inc.

Delbert Walt Trust #13-6

PO Box 86
Plainville, KS 67663

13-10-26 Sheridan, KS

Job Ticket: 59422

DST#: 2

ATTN: Anthony Luna

Test Start: 2014.07.25 @ 03:48:00

Tool Information

Drill Pipe:	Length: 3833.00 ft	Diameter: 3.80 inches	Volume: 53.77 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 53.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3880.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 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			3853.00	
Shut In Tool	5.00			3858.00	
Hydraulic tool	5.00			3863.00	
Jars	5.00			3868.00	
Safety Joint	2.00			3870.00	
Packer	5.00			3875.00	28.00 Bottom Of Top Packer
Packer	5.00			3880.00	
Stubb	1.00			3881.00	
Recorder	0.00	8789	Inside	3881.00	
Recorder	0.00	8289	Outside	3881.00	
Perforations	18.00			3899.00	
Bullnose	3.00			3902.00	22.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Company Inc.

Delbert Walt Trust #13-6

PO Box 86
Plainville, KS 67663

13-10-26 Sheridan,KS

Job Ticket: 59422 **DST#: 2**

ATTN: Anthony Luna

Test Start: 2014.07.25 @ 03:48:00

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:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 0.00 inches			

Recovery Information

Recovery Table

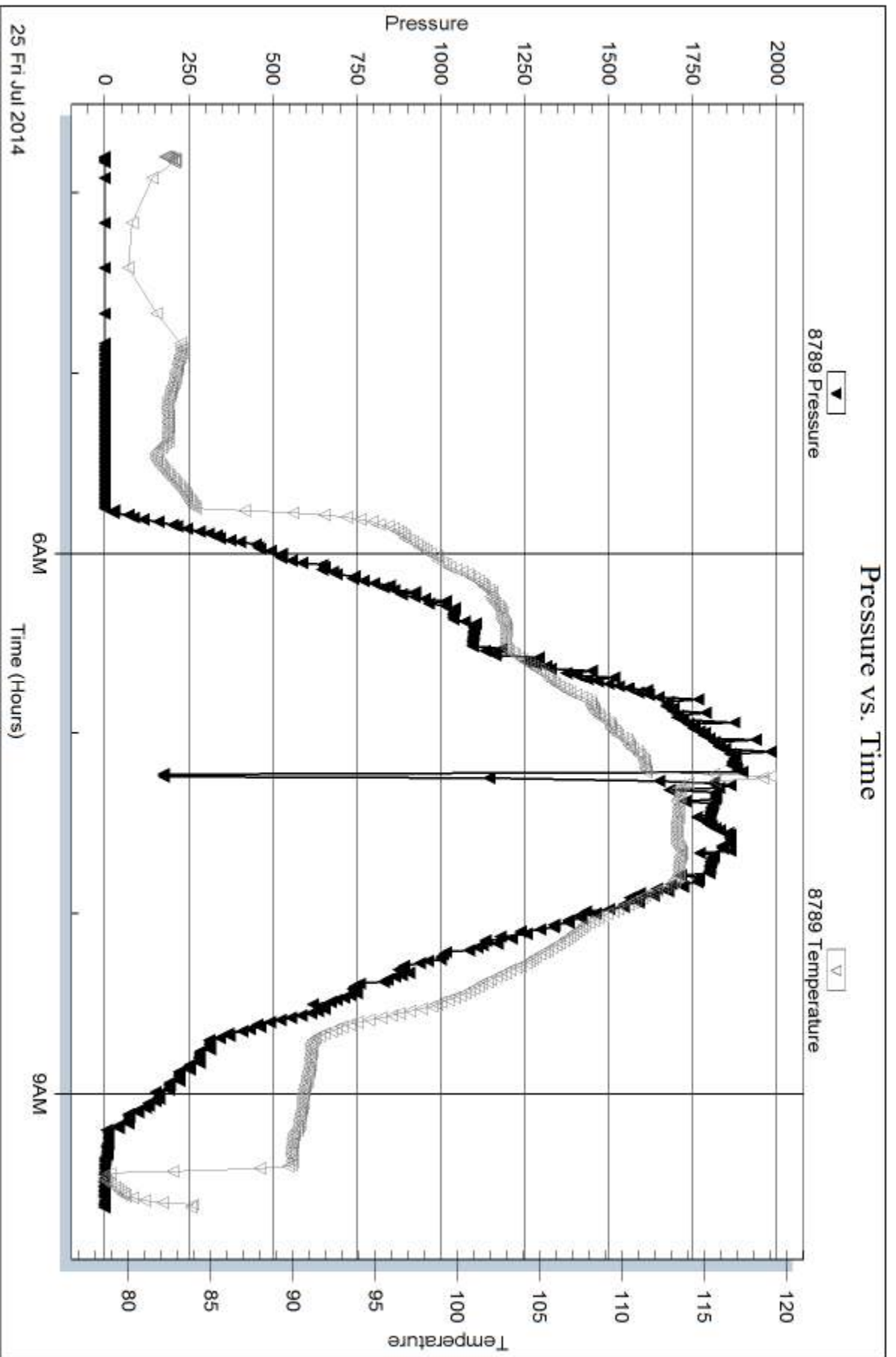
Length ft	Description	Volume bbl
645.00	M, 100%m	8.774

Total Length: 645.00 ft Total Volume: 8.774 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

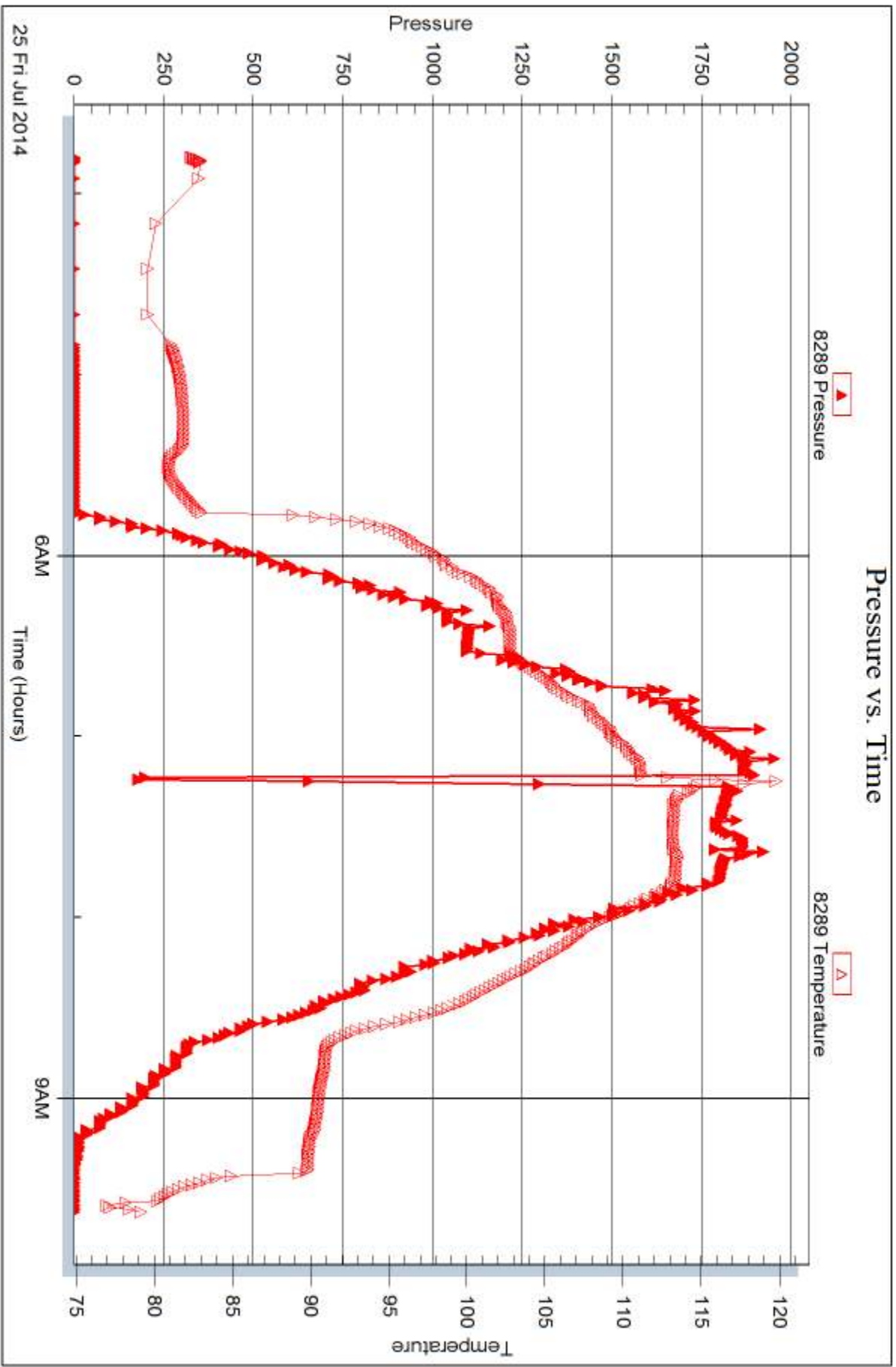


Serial #: 8289

Outside H&C Oil Company Inc.

13-10-26 Sheridan, KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **H&C Oil Company Inc.**

PO Box 86
Plainville, KS 67663

ATTN: Anthony Luna

13-10-26 Sheridan,KS

Delbert Walt Trust #13-6

Start Date: 2014.07.26 @ 04:51:00

End Date: 2014.07.26 @ 12:46:00

Job Ticket #: 59423 DST #: 3

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

Printed: 2014.07.28 @ 15:21:05

H&C Oil Company Inc.

Delbert Walt Trust #13-6

13-10-26 Sheridan,KS

DST # 3

LKC " H - J "

2014.07.26



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H&C Oil Company Inc.

PO Box 86
Plainville, KS 67663

ATTN: Anthony Luna

Delbert Walt Trust #13-6

13-10-26 Sheridan,KS

Job Ticket: 59423

DST#: 3

Test Start: 2014.07.26 @ 04:51:00

GENERAL INFORMATION:

Formation: **LKC " H - J "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:15:15

Time Test Ended: 12:46:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3950.00 ft (KB) To 4024.00 ft (KB) (TVD)

Total Depth: 4024.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2585.00 ft (KB)

2578.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press@RunDepth: 183.06 psig @ 3957.00 ft (KB)

Start Date: 2014.07.26

End Date:

2014.07.26

Start Time: 04:51:02

End Time:

12:46:15

Capacity: 8000.00 psig

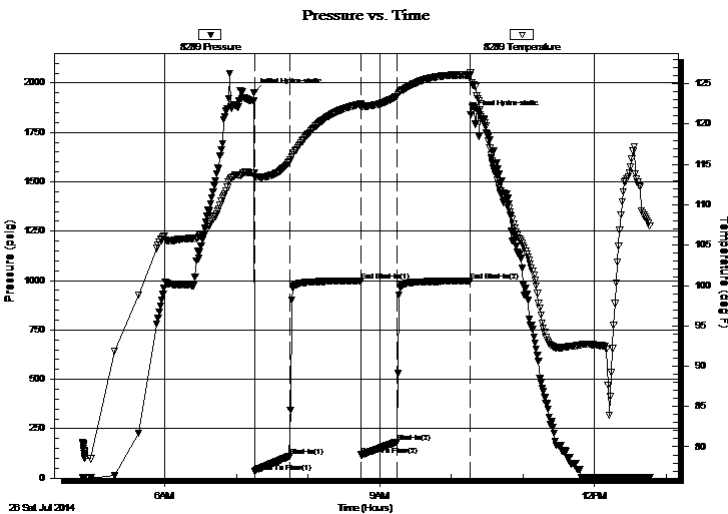
Last Calib.: 2014.07.26

Time On Btm: 2014.07.26 @ 07:14:45

Time Off Btm: 2014.07.26 @ 10:16:15

TEST COMMENT: 30-IFP- BOB in 10 min.
60-ISIP- 1/2in. Blow in 8 min.
30-FFP- BOB in 13 min.
60-FSIP- 1 3/4in. Blow in 12 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1953.36	114.02	Initial Hydro-static
1	31.80	113.49	Open To Flow (1)
30	110.93	115.33	Shut-In(1)
90	997.88	122.49	End Shut-In(1)
90	117.53	122.14	Open To Flow (2)
120	183.06	123.47	Shut-In(2)
182	998.25	126.10	End Shut-In(2)
182	1838.59	126.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW 20%o 80%w	1.48
125.00	OMCW 3%o 30%m 67%w	1.75
62.00	OMCW 15%o 35%m 50%w	0.87
25.00	MWCO 25%m 35%w 40%o	0.35
25.00	CO 100%	0.35
0.00	GIP 335	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&C Oil Company Inc.

Delbert Walt Trust #13-6

PO Box 86
Plainville, KS 67663

13-10-26 Sheridan,KS

Job Ticket: 59423

DST#: 3

ATTN: Anthony Luna

Test Start: 2014.07.26 @ 04:51:00

Tool Information

Drill Pipe:	Length: 3929.00 ft	Diameter: 3.80 inches	Volume: 55.11 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 55.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	37.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3950.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	102.00 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			3923.00	
Shut In Tool	5.00			3928.00	
Hydraulic tool	5.00			3933.00	
Jars	5.00			3938.00	
Safety Joint	2.00			3940.00	
Packer	5.00			3945.00	28.00 Bottom Of Top Packer
Packer	5.00			3950.00	
Stubb	1.00			3951.00	
Perforations	5.00			3956.00	
Change Over Sub	1.00			3957.00	
Recorder	0.00	8789	Inside	3957.00	
Recorder	0.00	8289	Outside	3957.00	
Blank Spacing	63.00			4020.00	
Change Over Sub	1.00			4021.00	
Bullnose	3.00			4024.00	74.00 Bottom Packers & Anchor

Total Tool Length: 102.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Company Inc.

Delbert Walt Trust #13-6

PO Box 86
Plainville, KS 67663

13-10-26 Sheridan,KS

Job Ticket: 59423

DST#: 3

ATTN: Anthony Luna

Test Start: 2014.07.26 @ 04:51:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 7.19 in³
Resistivity: ohm.m
Salinity: 1000.00 ppm
Filter Cake: 0.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 34 deg API
Water Salinity: 19000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	MCW 20% <i>m</i> 80% <i>w</i>	1.480
125.00	OMCW 3% <i>o</i> 30% <i>m</i> 67% <i>w</i>	1.753
62.00	OMCW 15% <i>o</i> 35% <i>m</i> 50% <i>w</i>	0.870
25.00	MWCO 25% <i>m</i> 35% <i>w</i> 40% <i>o</i>	0.351
25.00	CO 100%	0.351
0.00	GIP 335	0.000

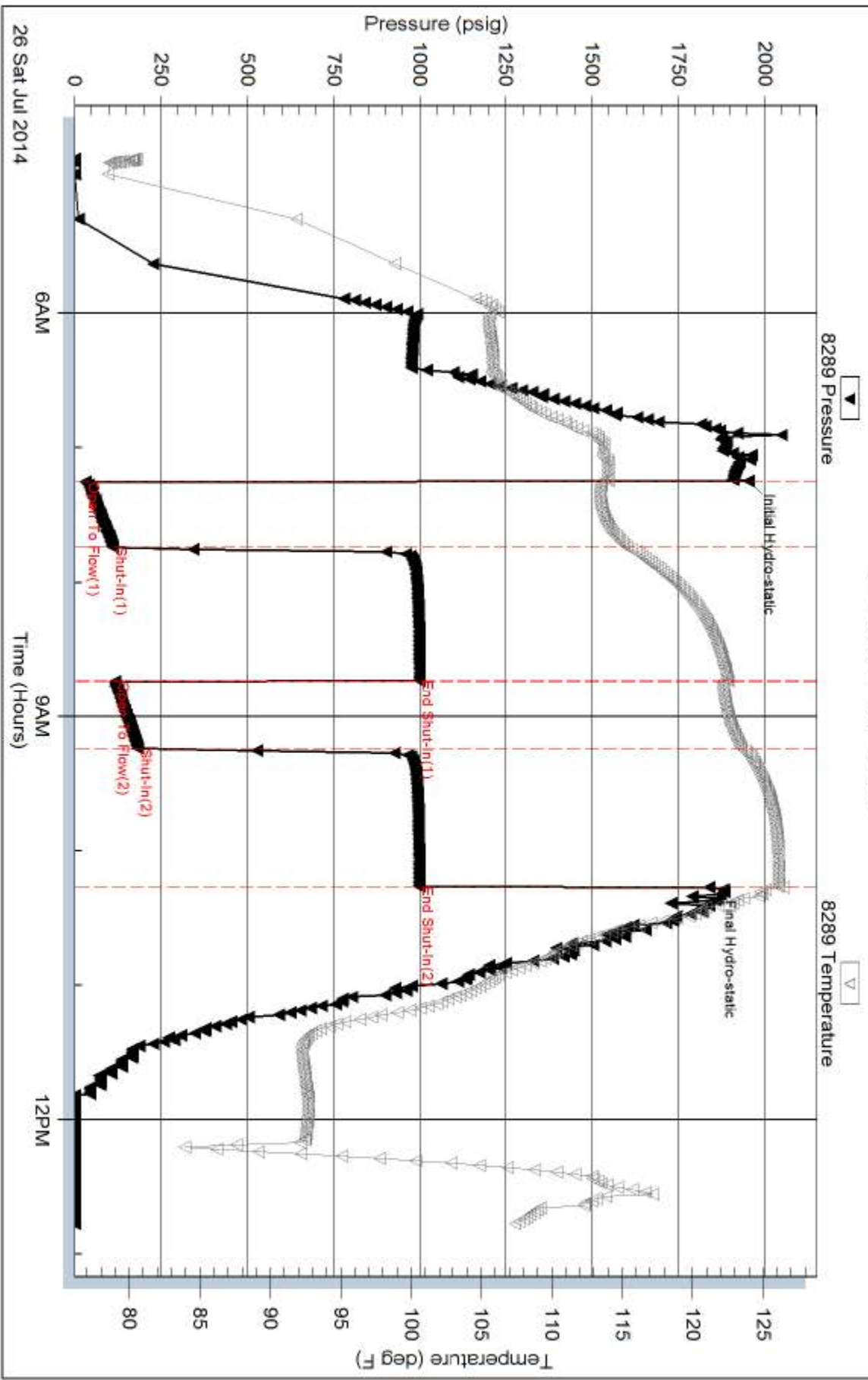
Total Length: 362.00 ft Total Volume: 4.805 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: .220 @ 110
GIP 335

Pressure vs. Time



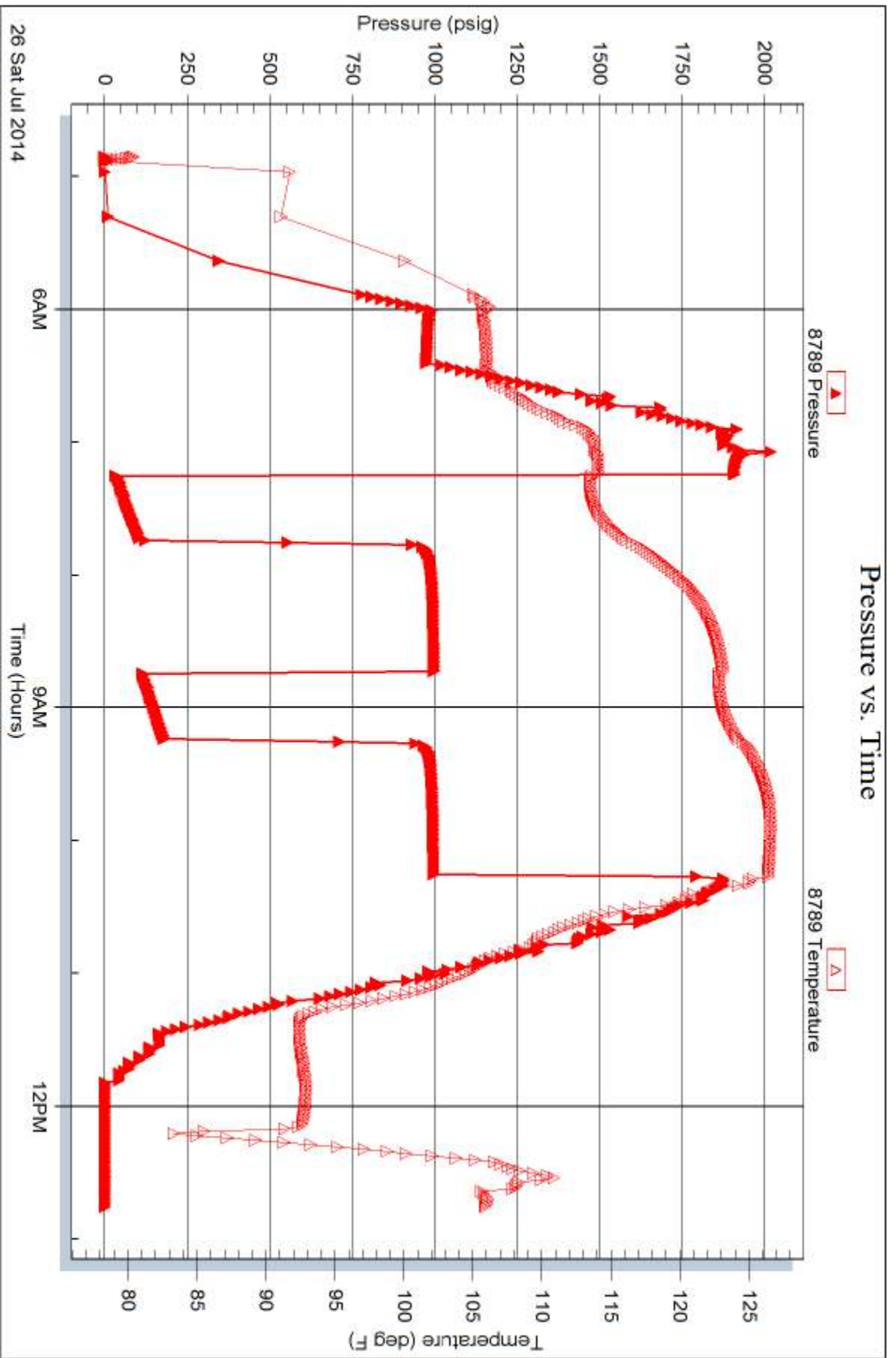
Serial #: 8789

Inside

H&C Oil Company Inc.

13-10-26 Sheridan, KS

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59421

4/10

Well Name & No. Delbert Walt Trust #13-6 Test No. 1 Date 7-24-14
 Company HdC Oil Company Inc Elevation 2585 KB 7578 GL
 Address P.O. Box 86 Plainville, KS 67663
 Co. Rep / Geo. Anthony Luncy Rig American Eagle 2
 Location: Sec. 13 Twp. 10s Rge. 26w Co. Sheridan State KS

Interval Tested 3880-3902 Zone Tested LKC "C+D"
 Anchor Length 22' Drill Pipe Run 3833 Mud Wt. 9.3
 Top Packer Depth 3875 Drill Collars Run 30 Vis 49
 Bottom Packer Depth 3880 Wt. Pipe Run 0 WL 8.0
 Total Depth 3902 Chlorides 1,206 ppm System LCM 0

Blow Description IF- M's Run
ISI-
FF-
FSI-

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>					

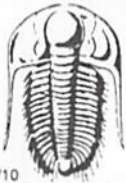
Rec Total 0 BHT Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic M's Run Test 950 T-On Location 16:32
 (B) First Initial Flow Jars 250 T-Started 17:35
 (C) First Final Flow Safety Joint 75 T-Open N/A
 (D) Initial Shut-In Circ Sub T-Pulled 21:23
 (E) Second Initial Flow Hourly Standby T-Out 22:30
 (F) Second Final Flow Mileage 136 RT 210.80 Comments Hit Bridge @
 (G) Final Shut-In Sampler 1525, went back in
 (H) Final Hydrostatic Straddle with bit to circulate.

Ruined Shale Packer
 Ruined Packer
 Extra Packer
 Extra Copies
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1485.80
 Total 1485.80
 MP/DST Disc't

Approved By Our Representative Thank You

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59422

4/10

Well Name & No. Delbert Walt Trust #13-6 Test No. 2 Date 7-24-14
 Company H&C Oil Company Inc Elevation 2585 KB 2578 GL
 Address P.O. Box 86 Plainville, KS 67663
 Co. Rep / Geo. Anthony Luna Rig American Eagle 2
 Location: Sec. 13 Twp. 10s Rge. 26w Co. Sheridan State KS

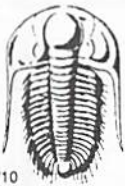
Interval Tested 3880-3902 Zone Tested LKC" C+D"
 Anchor Length 22' Drill Pipe Run 3833 Mud Wt. 9.3
 Top Packer Depth 3875 Drill Collars Run 30 Vis 49
 Bottom Packer Depth 3880 Wt. Pipe Run 0 WL 8.0
 Total Depth 3902 Chlorides 1,200 ppm System LCM 0
 Blow Description IF- Packer failure / Mis Run
ISI-
FF-
FSI-

Rec	Feet of	%gas	%oil	%water	%mud
<u>645'</u>	<u>M</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 645 BHT Gravity API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic Test 950 T-On Location 16:32 7-24-14
 (B) First Initial Flow Jars 250 T-Started 03:48 7-25-14
 (C) First Final Flow Safety Joint 75 T-Open 07:13
 (D) Initial Shut-In Mis Run Circ Sub T-Pulled 07:16
 (E) Second Initial Flow Hourly Standby T-Out 9:38
 (F) Second Final Flow Mileage 136 RT Comments Packer failure
 (G) Final Shut-In Sampler
 (H) Final Hydrostatic Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Initial Open Extra Recorder Sub Total 0
 Initial Shut-In Day Standby Total 1275
 Final Flow Accessibility MP/DST Disc't
 Final Shut-In Sub Total 1275

Approved By Our Representative Phil's Case Thank You.
 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59423

4/10

Well Name & No. Delbert WALT #13-6 Test No. 3 Date 7-26-14
 Company H+C Oil Operating Elevation 2585 KB 2578 GL
 Address P.O. Box 86 Plainville KS 67663
 Co. Rep / Geo. Anthony Luna Rig American Eagle #2
 Location: Sec. 13 Twp. 10^s Rge. 26^w Co. Sheridan State KS

Interval Tested 3950 - 4024 Zone Tested LKC "H-J"
 Anchor Length 74 Drill Pipe Run 3929 Mud Wt. 9.3
 Top Packer Depth 3945 Drill Collars Run 30 Vis 56
 Bottom Packer Depth 3950 Wt. Pipe Run 4 WL 7.2
 Total Depth 4024 Chlorides 1000 ppm System LCM TR

Blow Description IFP - BOB in 10 min.
ISIP - 1/2 Blow in 8 min
FFP - BOB in 13 min.
FSIP - 1 3/4 in Blow in 12 min

QIP 335

Rec	Feet of	%gas	%oil	%water	%mud
<u>125</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	
<u>125</u>	<u>OMCW</u>	<u>3</u>	<u>67</u>	<u>30</u>	
<u>62</u>	<u>OMCW</u>	<u>15</u>	<u>50</u>	<u>35</u>	
<u>25</u>	<u>MWCO</u>	<u>40</u>	<u>35</u>	<u>25</u>	
<u>25</u>	<u>CO</u>	<u>100</u>			

Rec Total 362 BHT 126 Gravity 34 API RW 220 @ 110 °F Chlorides 19000 ppm

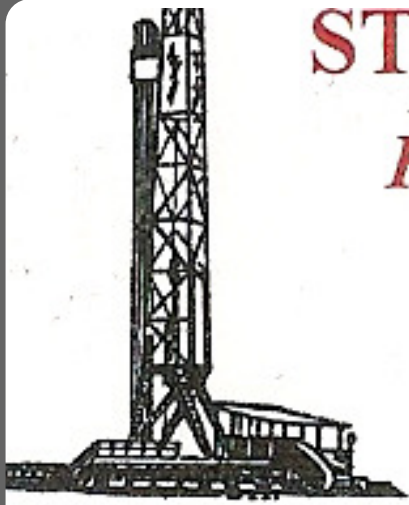
(A) Initial Hydrostatic 1953 Test 1250 T-On Location 2:05
 (B) First Initial Flow 31 Jars 250 T-Started 4:51
 (C) First Final Flow 110 Safety Joint 75 T-Open 7:15
 (D) Initial Shut-In 997 Circ Sub _____ T-Pulled 10:15
 (E) Second Initial Flow 117 Hourly Standby _____ T-Out 12:46
 (F) Second Final Flow 183 Mileage X 2 421.60 Comments _____
 (G) Final Shut-In 998 Sampler _____ Called to Pet
 (H) Final Hydrostatic 1838 Straddle _____ Tool 12:30 7-26
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 30 Extra Packer _____
 Initial Shut-In 60 Extra Recorder _____
 Final Flow 30 Day Standby _____
 Final Shut-In 60 Accessibility _____
 Sub Total 1996.60 Sub Total 0
 Total 1996.60 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
 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.

STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)



Cell 620.639.3030

Fax 785.387.2400

RR#1, Box 69

Otis, Kansas 67565

geomurphy@gbta.net

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Delbert Walt #13-6
API: 12-179-21365-00-00

Location: Sheridan County

License Number: 8914

Spud Date: 7/19/2014

Region: Kansas

Drilling Completed: 7/27/2014

Surface Coordinates: 2310' FSL & 2310' FWL (Approx. NE NE SW)

Section 13-T10S-R26W

Bottom Hole Coordinates: Same as above (Vertical well w/min deviation)

Ground Elevation (ft): 2578'

K.B. Elevation (ft): 2585'

Logged Interval (ft): 3450' To: TD

Total Depth (ft): LTD - 4120'

Formation: Topeka through BKC

Type of Drilling Fluid: Chemical

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: H&C Oil Operating Inc.
Address: P.O. BOX 86
Plainville KS 67663

GEOLOGIST

Name: Steven P. Murphy, PG (KS License #228) & Anthony Luna
Company: Consulting Petroleum Geologist
Address: 3365 CR 390
Otis, KS 67565

LogTops (Datum)

Open-hole logging was performed by Pioneer Log-Tech. The following are formation tops w/associated datums:

Anhydrite Top - 2217 (+368)
Anhydrite Base - 2250 (+335)
Topeka - 3590 (-1005)
Heebner - 3803 (-1218)
Toronto - 3824 (-1239)
Lansing - 3840 (-1255)
Muncie Creek - 3957 (-1372)
Stark - 4028 (-1443)
Base KC - 4070 (-1485)

DSTs

Drillstem testing was performed by Trilobite Testing (Hays shop):

DST #1 3880-3902 LKC ("CD")
 Misrun - Hit Bridge

DST#2 3880-3902 LKC ("CD")
 Misrun - Packer Failure

DST #3 3950-4024 LKC ("HIJ")

30:60:30:60

IF: BOB in 10min, 1/2" return

FF: BOB in 13min, 1 3/4" return

Recovery: 397' GIP, 25' CO (100%O), 25' MWCO (40%O, 35%W, 25%M), 62' OMCW (15%O, 50%W, 35%M), 125' OMCW (3%O, 67%W, 30%M), 125' MCW (80%W, 20%M)

IHP: 1953 FHP: 1838

IFP: 31-117 ISIP: 997

FFP: 110-183 FSIP: 998

BHT - 126 F


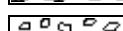
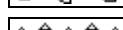


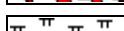



Chlorides - 19,000 ppm

Oil Gravity - 34 API


COMMENTS

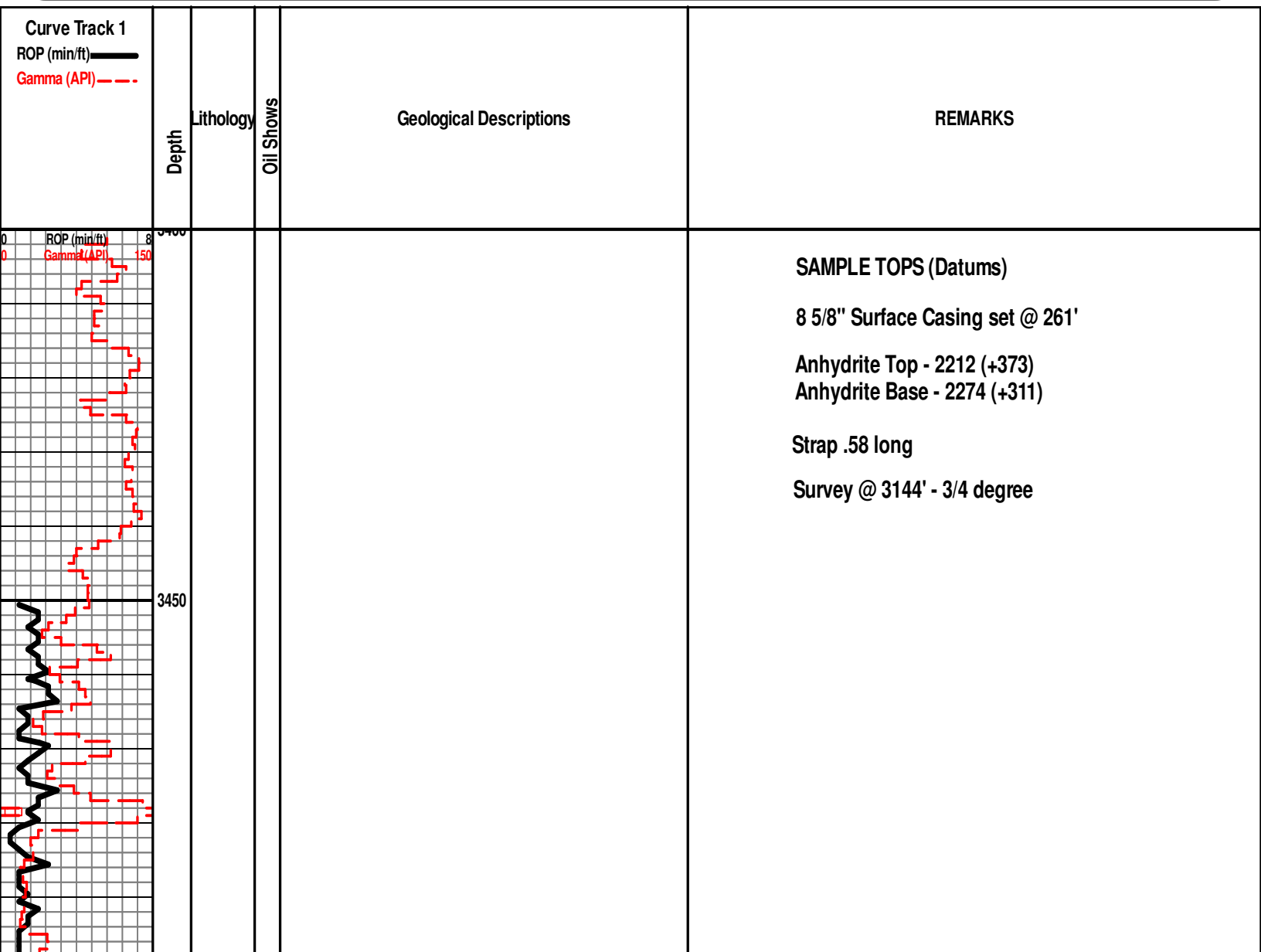
Based on the results of DSTs and log & sample analysis, 5-1/2" casing was set for production.

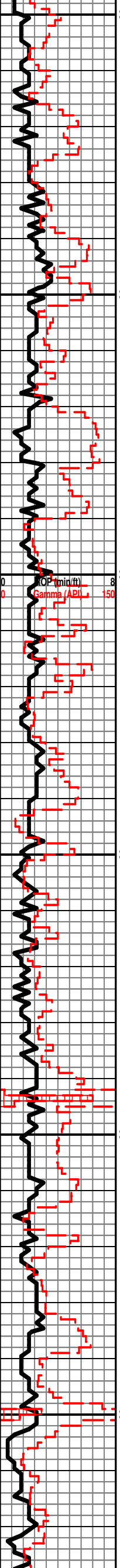
ROCK TYPES

 Anhy  Bent  Brec  Cht  Clyst	 Coal  Congl  Dol  Gyp  Igne	 Lmst  Meta  Mrlst  Salt  Shale	 Shcol  Shgy  Sltst  Ss  Till
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OTHER SYMBOLS

OIL SHOW  Even  Spotted  Ques	 Dead Gas  Gas	INTERVAL  Core  Dst	EVENT  Conn  Rft  Sidewall
--	---	--	---





Topeka 3584 (-999)

LS: wht-crm-gry, vfxln, sl cherty, sl fos, NS

SH: gry-grn-brn-blk

LS: wht-crm-gry, vfxln, sl fos, NS

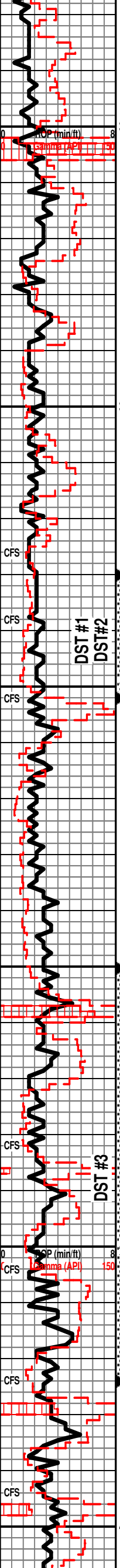
SH: gry-grn-brn-blk

LS: wht-tan-gry, vfxln, sl cherty, sl ool, sl fos, NS

SH: blk, carb

LS: wht-crm-gry, vfxln, sl fos, NS

LS: wht-tan-gry, vfxln, sl cherty, sl ool, sl fos, NS



LS: same as above

LS: wht-crm-gry, vfxln, sl ool, sl fos, NS

SH: blk, carb

SH: gry-grn-brn

LS: wht-crm-gry, vfxln, sl ool, sl fos, NS

SH: gry-grn-brn

LS: wht-tan-gry, vfxln, sl cherty, sl ool, sl fos, NS

LS: wht-crm-gry, vfxln, sl cherty, sl ool, NS

SH: gry-grn-brn

LS: wht-crm-gry, vfxln, pr intr-ool por, tight, tr fo on brk, no odor

LS: same as above w/sl odor

LS: wht-crm-gry, vfxln, dense, pr intr-ool por, tr fo on brk, wk odor

LS: wht-crm-gry, fxln, pr-fr ool & ppt por, tr fo on brk, sl odor

LS: same as above

SH: gry-grn-brn-blk

LS: wht-crm-gry, vfxln, sl ool, sl fos, NS

LS: same as above

LS: wht-crm-gry, vfxln, sl cherty, sl ool, NS

LS: wht-tan-gry, vfxln, oolitic, pr por, tr fo on brk, wk odor

SH: blk, carb

SH: gry-grn-brn-blk

LS: wht-crm-gry, fxln, pr-fr ool & ppt inxln por, ssofo, wk odor

LS: wht-crm-gry, fxln, pr intr-ool por, pr-fr ppt inxln por, ssofo, wk odor

SH: gry-grn-brn

LS: wht-crm-gry, fxln, pr-fr intr-ool & inxln por, highly stn, vssfo, wk odor

SH: gry-grn-brn

LS: wht-crm-gry, fxln, dense, oolitic, pr-fr por, ssofo, sl odor

SH: blk, carb

LS: wht-crm-gry, vfxln, pr intr-ool por, tr fo on brk, wk odor

SH: blk

SH: gry-grn-brn-blk

Heebner 3797 (-1212)

Toronto 3818 (-1233)

Lansing 3840 (-1255)

DST #1 3880-3902 LKC ("CD")
 Misrun - Hit Bridge

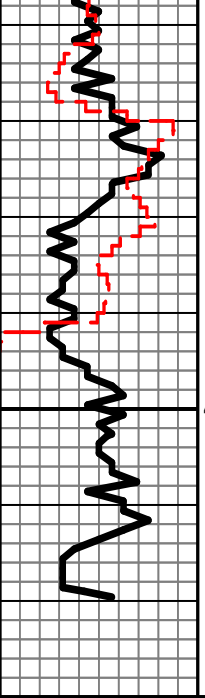
DST #2 3880-3902 LKC ("CD")
 Misrun - Packer Failure

Survey @ 3902' - 3/4 degree

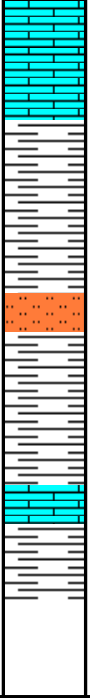
Muncie Creek 3953 (-1368)

DST #3 3950-4024 LKC ("HIJ")
 30:60:30:60
 IF: BOB in 10min, 1/2" return
 FF: BOB in 13min, 1 3/4" return
 Recovery: 397' GIP, 25' CO (100%O), 25'
 MWCO (40%O, 35%W, 25%M), 62' OMCW
 (15%O, 50%W, 35%M), 125' OMCW (3%O,
 67%W, 30%M), 125' MCW (80%W, 20%M)
 IHP: 1953 FHP: 1838
 IFP: 31-117 ISIP: 997
 FFP: 110-183 FSIP: 998
 BHT - 126 F
 Chlorides - 19,000 ppm
 Oil Gravity - 34 API

Stark 4024 (-1439)



4100



LS: wht-crm-gry, vfxln, sl ool, sl fos, dense, NS

SH: gry-grn-brn

SH: same as above

Sst: red, vfgd, fr-w std, sub-rd, friable, wash red, NS

SH: gry-grn-brn

LS: wht-crm-gry, vfxln, sl fos, NS

SH: gry-grn-brn

RTD - 4120'

LTD - 4120'

BKC 4067 (-1482)

Survey @ 4120' - 3/4 deg

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 376

Date <u>8-19-14</u>	Sec.	Twp.	Range	County <u>Shawnee KS</u>	State <u>KS</u>	On Location	Finish <u>11:00 A.M.</u>
Lease <u>Delbert + Walt Trust</u> Well No. <u>136</u>				Location <u>St. Peter 4w Sinto</u>			
Contractor <u>Chito's</u> To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.							
Type Job <u>Doc Squeeze</u>	Charge To <u>H+C</u>						
Hole Size <u>7 7/8</u>	T.D.						
Csg. <u>5 1/2</u>	Depth						
Tbg. Size <u>2 3/8</u>	Depth						
Tool	Depth						
Cement Left in Csg.	Shoe Joint						
Meas Line	Displace						
EQUIPMENT							
Pumptrk No. <u>16</u>	Cementer <u>Chris</u>						
	Helper <u>Bill</u>						
Bulktrk No. <u>3</u>	Driver <u>Clayton</u>						
	Driver <u>Clayton</u>						
	Driver <u>Clayton</u>						
JOB SERVICES & REMARKS							
Remarks:							
Rat Hole							
Mouse Hole							
Centralizers							
Baskets							
DV or Port Collar							
<u>Pods 3868 3878 79</u>							
<u>Padlock 3726 to Squeeze</u>							
<u>Kate - 4860 1000 PMP 28c</u>							
<u>Diisel - m.v 2556 Displace 28c Diesel x</u>							
<u>Pressure to Joint Washaround Tool Long</u>							
<u>Wing Pul 5 joints x Shoring 500ft.</u>							
	FLOAT EQUIPMENT						
	Guide Shoe						
	Centralizer						
	Baskets						
	AFU Inserts						
	Float Shoe						
	Latch Down						
	Pumptrk Charge <u>Squeeze</u>						
	Mileage <u>35</u>						
	Tax						
	Discount						
	Total Charge						

X Signature Bob Plank