



KANSAS CORPORATION COMMISSION 1124269
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bear Petroleum, LLC
Well Name	Tombaugh Unit 1
Doc ID	1124269

All Electric Logs Run

Borehole Compensated Sonic
Dual Induction
Microresistivity
Sonic Cement Bond
Dual Compensated Perosity



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 9/5/2012
 Invoice # 844
 P.O.#:
 Due Date: 10/5/2012
 Division: Russell

Invoice

Contact:
 Carmen Schmitt Inc
Address/Job Location:
 Carmen Schmitt Inc
 P.O. Box 47
 Great Bend Ks 67530

Reference:
 TOMBAUGH 1

Description of Work:
 LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,487.08	No				
Common-Class A	450	\$ 5,960.57	Yes				
Bulk Truck Matl-Material Service Charge	475	\$ 1,031.43	No				
Calcium Chloride	16	\$ 827.92	Yes				
Pump Truck Mileage-Job to Nearest Camp	31	\$ 335.90	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	31	\$ 196.56	No				
Premium Gel (Bentonite)	9	\$ 159.08	Yes				
8 5/8" Top Rubber Plug	1	\$ 115.09	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 97.71	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 10,211.34
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,531.70)

SubTotal for Taxable Items:	\$ 6,086.32
SubTotal for Non-Taxable Items:	\$ 2,593.32
Total:	\$ 8,679.64
8.30% Pawnee County Sales Tax	\$ 505.16

Thank You For Your Business!

Amount Due: \$ 9,184.80
Applied Payments:
Balance Due: \$ 9,184.80

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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17858.0001
 710/43
 cement surface csg
 Well file

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. 844

Date	9-1-12	Sec.	26	Twp.	20	Range	20	County	PAWNEE KANSAS	State		On Location		Finish	3:45pm
Lease	Tombaugh		Well No.	#1		Location ALEXANDER 2E-13S-1E-N/INTO									
Contractor	MALLARD					Owner CARMEN SCHMITT									
Type Job	SURFACE					To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Hole Size	12 1/4		T.D.	1,228'		Charge To Carmen Schmitt									
Csg.	8 5/8		Depth	1,228		Street									
Tbg. Size			Depth			City									
Tool			Depth			State									
Cement Left in Csg.			Shoe Joint	42.15		The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line			Displace	75 Bbls		Cement Amount Ordered 450 com - 3cc - 2gel									

EQUIPMENT

Pumptrk #5	No.	Cementer Helper	BRITT	Common	450
Bulktrk #12	No.	Driver	LONNIE	Poz. Mix	
Bulktrk P/U	No.	Driver	LISCO	Gel.	9

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
CEMENT DID CIRCULATE ✓	Handling 475
	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	1-8 5/8 RUBBER PLUG
	BAFFLE PLATE
	Pumptrk Charge Long Surface
	Mileage 31

THANK YOU

X Signature	Tax
	Discount
	Total Charge



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 252654

Invoice Date: 09/11/2012 Terms: 10/10/30,n/30 Page 1

CARMEN SCHMITT, INC.
P.O. BOX 47 (915 HARRISON)
GREAT BEND KS 57530
(620)793-5100

TOMBAUGH UNIT #1
36739
26-20-20
09-09-2012
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	230.00	17.6500	4059.50
1118B	PREMIUM GEL / BENTONITE	432.00	.2500	108.00
1111	SODIUM CHLORIDE (GRANULA	996.00	.4500	448.20
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00
4201	GUIDE SHOE 4 1/2"	1.00	138.0000	138.00
4226	INSERT FLOAT VALVE W/ AF	1.00	193.0000	193.00
4404	4 1/2" RUBBER PLUG	1.00	53.0000	53.00
4129	CENTRALIZER 4 1/2"	9.00	46.0000	414.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-591.37
9995-130	CEMENT EQUIPMENT DISCOUNT	-405.68

Description	Hours	Unit Price	Total
463 SINGLE PUMP	1.00	3020.00	3020.00
463 EQUIPMENT MILEAGE (ONE WAY)	45.00	5.00	225.00
566 TON MILEAGE DELIVERY	1.00	811.80	811.80

12858.0001
780/43
Cement Pdn Csg
Well File

Amount Due 10461.33 if paid after 10/11/2012

Parts:	5913.70	Freight:	.00	Tax:	441.75	AR	9415.20
Labor:	.00	Misc:	.00	Total:	9415.20		
Sublt:	-997.05	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC S

TICKET NUMBER 36739
LOCATION Oakley
FOREMAN Fuzz

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-9-11	1800	Tombaugh Unit #1	26	20S	20W	PAWNEE
CUSTOMER Carmen Schmitt			Burdett			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			463	Jenny P		
STATE			566	Cody R		
ZIP CODE				TRAVIS W		

JOB TYPE Production HOLE SIZE 77/8 HOLE DEPTH 4257 CASING SIZE & WEIGHT 4 1/2 11.6#
CASING DEPTH 4258 3/4 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 18 98
DISPLACEMENT 65.7 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on Mallard Dr. Float equip Cent
1, 2, 3, 4, 43, 44, 45, 46, 47 Ris up and circulate 30 min. Pump
5 BAL water, 500 gal mud flush, 5 BAL water. Mix 20SK MW
30SK RH, Mix 180SK Class 'A' 1090 salt, 29 gal down
4 1/2 csg. Wash pump and lines. Drop plug and displace 66' 1/2
BAL 600* lift 1100* land. Float did not hold 560* W

Thanks Fuzz & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020 ⁰⁰	3020 ⁰⁰
5406	45	MILEAGE	5 ⁰⁰	225 ⁰⁰
5407A	10.8 tow	Tow mileage Delivery	162	811 ⁸⁰
1104S	230SKS	Class 'A' cement	17.63	4059 ⁵⁰
1118B	432#	Bentonite	.25	108 ⁰⁰
1111	996#	Salt	.45	448 ²⁰
1144G	500gal	Mud flush	1 ⁰⁰	500 ⁰⁰
4201	1	4 1/2 - Guide shoe	138 ⁰⁰	138 ⁰⁰
4226	1	4 1/2 - ATU Insert	193 ⁰⁰	193 ⁰⁰
4404	1	4 1/2 - Rubber plug	53 ⁰⁰	53 ⁰⁰
4129	9	4 1/2 - Centralizers	46 ⁰⁰	414 ⁰⁰
		subtotal		9970 ⁵⁰
		less 1090		997 ⁰⁵
		subtotal		8972 ⁴⁵
		SALES TAX		441.75
		ESTIMATED TOTAL		9415.20

Ravin 3737

AUTHORIZATION Carmen Schmitt TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form

252654



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend, KS 67530

ATTN: Marc Downing

Tombaugh Unit #1

26-20s-20w Pawnee,KS

Start Date: 2012.09.06 @ 17:14:15

End Date: 2012.09.07 @ 02:59:15

Job Ticket #: 49494 DST #: 1

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

Printed: 2012.09.13 @ 16:32:01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Marc Downing

26-20s-20w Pawnee, KS

Tombaugh Unit #1

Job Ticket: 49494

DST#: 1

Test Start: 2012.09.06 @ 17:14:15

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:42:45
 Time Test Ended: 02:59:15
 Interval: **4227.00 ft (KB) To 4268.00 ft (KB) (TVD)**
 Total Depth: 4268.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 38
 Reference Elevations: 2150.00 ft (KB)
 2145.00 ft (CF)
 KB to GR/CF: 5.00 ft

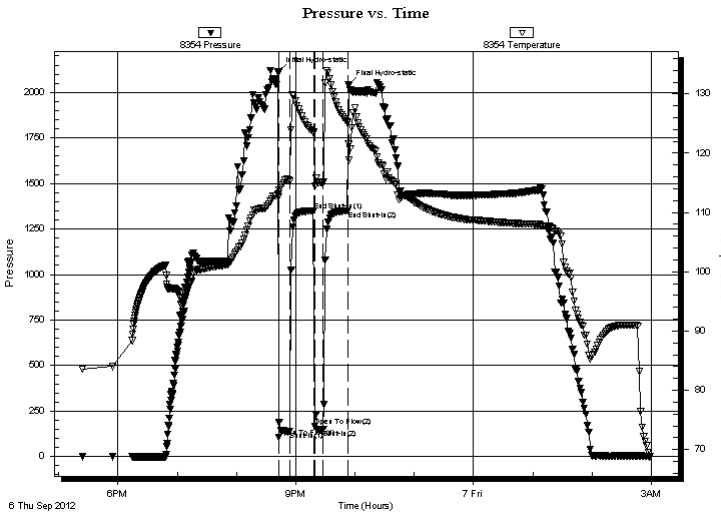
Serial #: 8354

Inside

Press @ Run Depth: 149.26 psig @ 4229.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.06 End Date: 2012.09.07 Last Calib.: 2012.09.07
 Start Time: 17:24:15 End Time: 02:59:15 Time On Btm: 2012.09.06 @ 20:42:15
 Time Off Btm: 2012.09.06 @ 21:53:15

TEST COMMENT: IF-Strong Building Blow . BOB in 30 seconds. GTS in 6 minutes.
 ISI-No Return.
 FF-Strong Building Blow . BOB in 10 seconds. Gauged Gas. Took Gas Sample.
 FSI-No Return.

PRESSURE SUMMARY



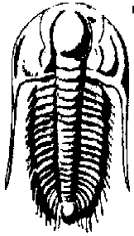
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.01	113.05	Initial Hydro-static
1	108.32	112.68	Open To Flow (1)
12	140.82	115.25	Shut-In(1)
36	1350.11	123.49	End Shut-In(1)
37	165.20	114.43	Open To Flow (2)
46	149.26	115.05	Shut-In(2)
71	1350.50	125.15	End Shut-In(2)
71	2044.36	121.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	100%Mud	0.98

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	18.00	506.08
Last Gas Rate	0.75	28.00	662.28
Max. Gas Rate	0.75	28.00	662.28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, KS 67530
 ATTN: Marc Downing

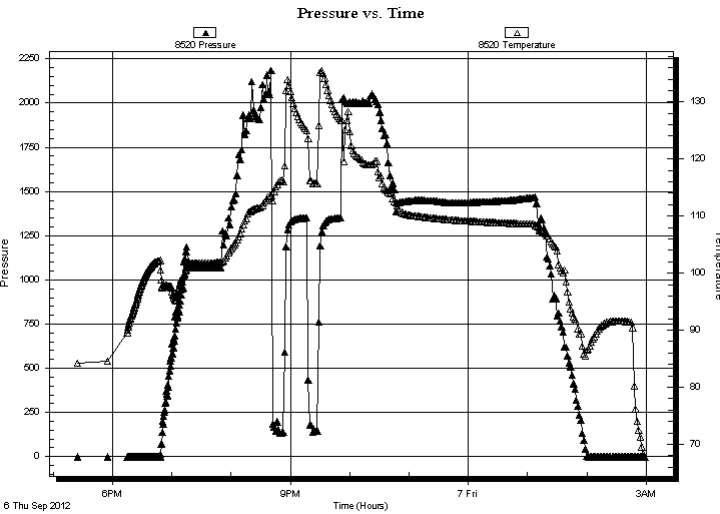
26-20s-20w Pawnee, KS
Tombaugh Unit #1
 Job Ticket: 49494 **DST#: 1**
 Test Start: 2012.09.06 @ 17:14:15

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:42:45
 Time Test Ended: 02:59:15
 Interval: **4227.00 ft (KB) To 4268.00 ft (KB) (TVD)**
 Total Depth: 4268.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 38
 Reference Elevations: 2150.00 ft (KB)
 2145.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8520 **Outside**
 Press @ Run Depth: psig @ 4229.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.06 End Date: 2012.09.07 Last Calib.: 2012.09.07
 Start Time: 17:24:30 End Time: 02:59:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-Strong Building Blow . BOB in 30 seconds. GTS in 6 minutes.
 ISI-No Return.
 FF-Strong Building Blow . BOB in 10 seconds. Gauged Gas. Took Gas Sample.
 FSI-No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
200.00	100%Mud	0.98

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	18.00	506.08
Last Gas Rate	0.75	28.00	662.28
Max. Gas Rate	0.75	28.00	662.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

26-20s-20w Pawnee, KS

PO Box 47
Great Bend, KS 67530

Tombaugh Unit #1

Job Ticket: 49494

DST#: 1

ATTN: Marc Downing

Test Start: 2012.09.06 @ 17:14:15

Tool Information

Drill Pipe:	Length: 3975.00 ft	Diameter: 3.80 inches	Volume: 55.76 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 56.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4227.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	69.00 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			4200.00	
Shut In Tool	5.00			4205.00	
Hydraulic tool	5.00			4210.00	
Jars	5.00			4215.00	
Safety Joint	3.00			4218.00	
Packer	5.00			4223.00	28.00 Bottom Of Top Packer
Packer	4.00			4227.00	
Stubb	1.00			4228.00	
Perforations	1.00			4229.00	
Recorder	0.00	8354	Inside	4229.00	
Recorder	0.00	8520	Outside	4229.00	
Perforations	36.00			4265.00	
Bullnose	3.00			4268.00	41.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

26-20s-20w Pawnee,KS

PO Box 47
Great Bend, KS 67530

Tombaugh Unit #1

Job Ticket: 49494 **DST#: 1**

ATTN: Marc Downing

Test Start: 2012.09.06 @ 17:14:15

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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.75 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	100%Mud	0.984

Total Length: 200.00 ft Total Volume: 0.984 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8354

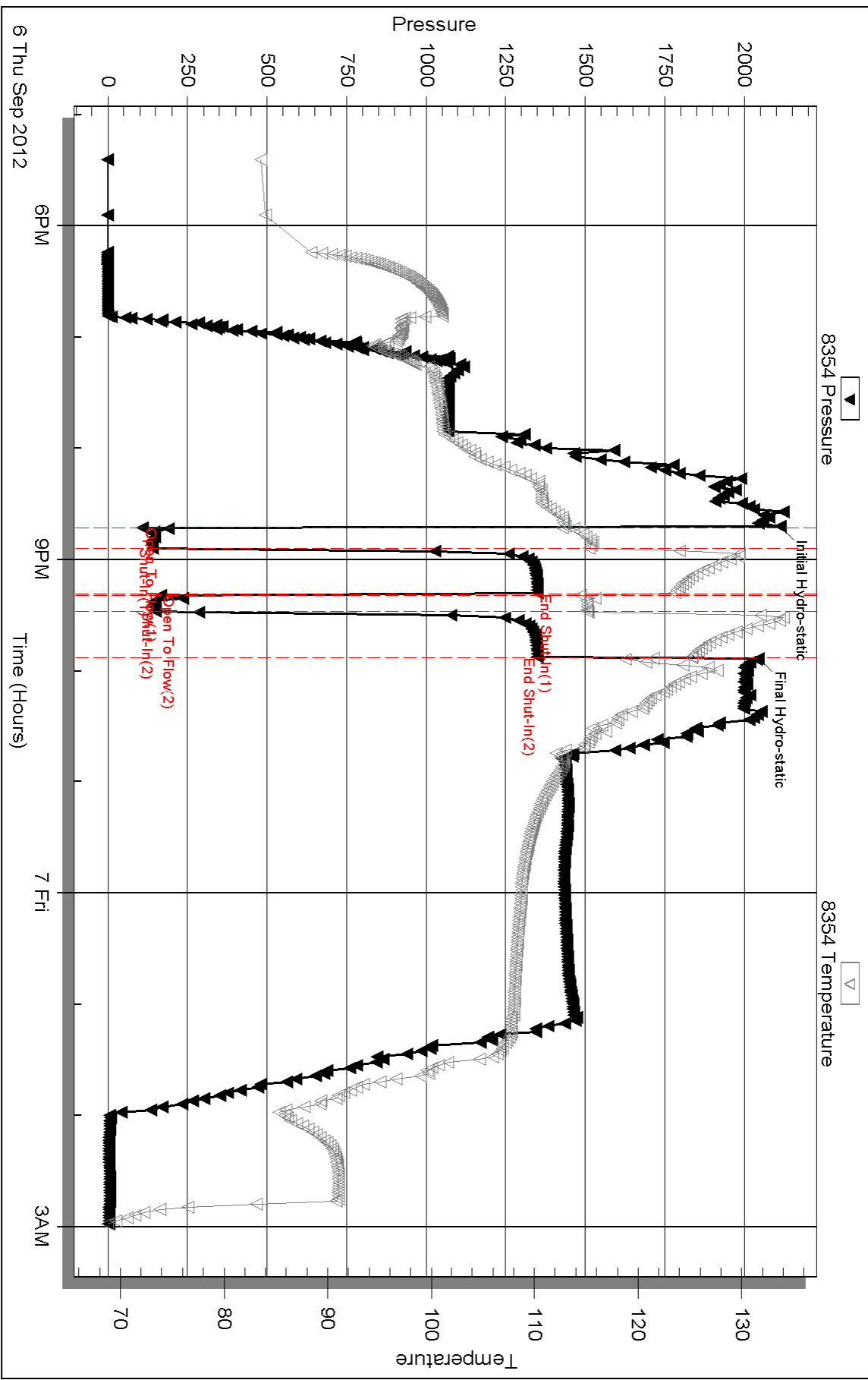
Inside

Carmen Schmitt, Inc.

Tombaugh Unit #1

DST Test Number: 1

Pressure vs. Time

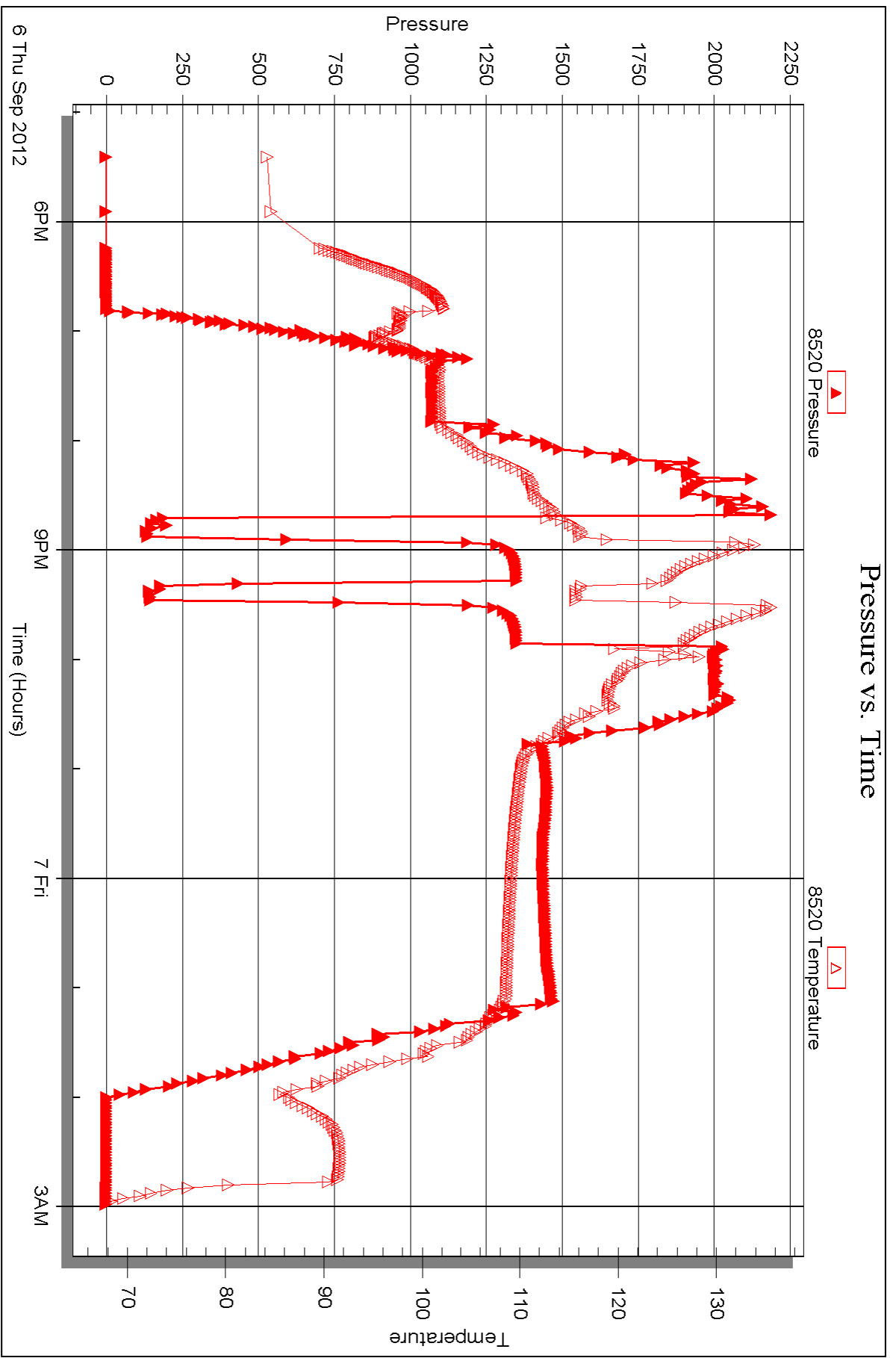


Serial #: 8520

Outside Carmen Schmitt, Inc.

Tombaugh Unit #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend, KS 67530

ATTN: Marc Downing

Tombaugh Unit #1

26-20s-20w Pawnee,KS

Start Date: 2012.09.07 @ 09:44:30

End Date: 2012.09.07 @ 18:10:30

Job Ticket #: 49495 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.13 @ 16:30:35



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, KS 67530
 ATTN: Marc Downing

26-20s-20w Pawnee, KS
Tombaugh Unit #1
 Job Ticket: 49495 **DST#: 2**
 Test Start: 2012.09.07 @ 09:44:30

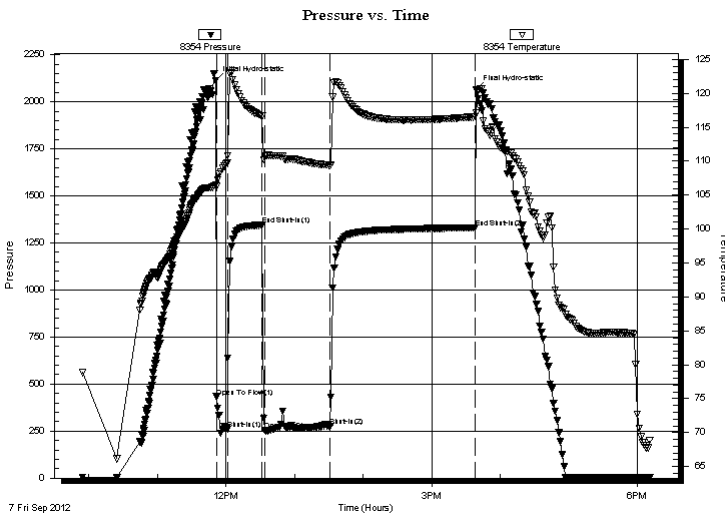
GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:51:30
 Time Test Ended: 18:10:30
 Interval: **4227.00 ft (KB) To 4272.00 ft (KB) (TVD)**
 Total Depth: 4272.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 38
 Reference Elevations: 2150.00 ft (KB)
 2145.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8354 Inside
 Press @ Run Depth: 275.39 psig @ 4229.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.07 End Date: 2012.09.07 Last Calib.: 2012.09.07
 Start Time: 09:54:30 End Time: 18:10:30 Time On Btm: 2012.09.07 @ 11:51:00
 Time Off Btm: 2012.09.07 @ 15:39:00

TEST COMMENT: IF-Strong blow . BOB in 30 seconds. GTS in 3 minutes.
 ISI-No Return.
 FF-Strong blow . BOB in 10 seconds. Gauged Gas.
 FSI-No Return.

PRESSURE SUMMARY



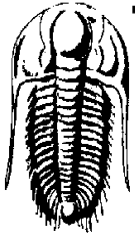
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2113.46	106.54	Initial Hydro-static
1	432.47	106.30	Open To Flow (1)
10	258.42	109.77	Shut-In(1)
41	1345.24	116.62	End Shut-In(1)
43	255.74	110.77	Open To Flow (2)
100	275.39	109.37	Shut-In(2)
227	1331.36	116.53	End Shut-In(2)
228	2064.97	117.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
295.00	100%Mud	1.93

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	18.00	506.08
Last Gas Rate	0.75	62.00	1193.36
Max. Gas Rate	0.75	62.00	1193.36



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

26-20s-20w Pawnee,KS

PO Box 47
Great Bend, KS 67530

Tombaugh Unit #1

Job Ticket: 49495

DST#: 2

ATTN: Marc Downing

Test Start: 2012.09.07 @ 09:44:30

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:51:30

Time Test Ended: 18:10:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 4227.00 ft (KB) To 4272.00 ft (KB) (TVD)

Reference Elevations: 2150.00 ft (KB)

Total Depth: 4272.00 ft (KB) (TVD)

2145.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press @ Run Depth: psig @ 4229.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.07

End Date:

2012.09.07

Last Calib.:

2012.09.07

Start Time: 09:54:45

End Time:

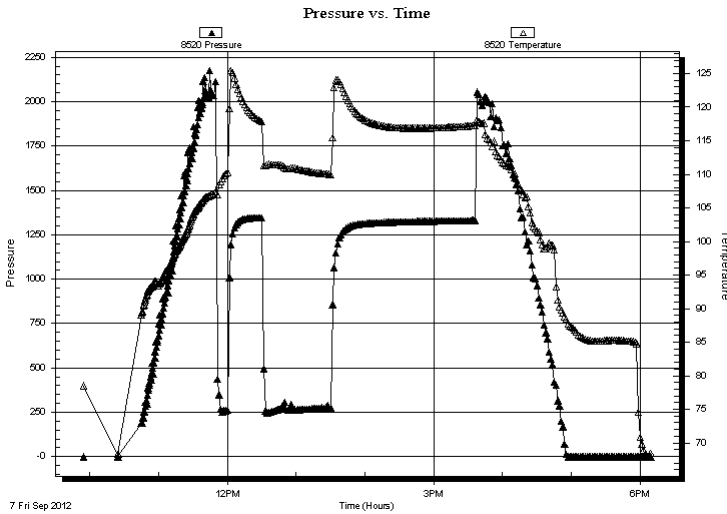
18:10:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Strong blow . BOB in 30 seconds . GTS in 3 minutes.
ISI-No Return.
FF-Strong blow . BOB in 10 seconds . Gauged Gas.
FSI-No Return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
295.00	100%Mud	1.93

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	18.00	506.08
Last Gas Rate	0.75	62.00	1193.36
Max. Gas Rate	0.75	62.00	1193.36



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

26-20s-20w Pawnee, KS

PO Box 47
Great Bend, KS 67530

Tombaugh Unit #1

Job Ticket: 49495

DST#: 2

ATTN: Marc Downing

Test Start: 2012.09.07 @ 09:44:30

Tool Information

Drill Pipe:	Length: 3975.00 ft	Diameter: 3.80 inches	Volume: 55.76 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	5000.00 lb
			<u>Total Volume: 56.95 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4227.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	45.00 ft				
Tool Length:	73.00 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			4200.00	
Shut In Tool	5.00			4205.00	
Hydraulic tool	5.00			4210.00	
Jars	5.00			4215.00	
Safety Joint	3.00			4218.00	
Packer	5.00			4223.00	28.00 Bottom Of Top Packer
Packer	4.00			4227.00	
Stubb	1.00			4228.00	
Perforations	1.00			4229.00	
Recorder	0.00	8354	Inside	4229.00	
Recorder	0.00	8520	Outside	4229.00	
Perforations	40.00			4269.00	
Bullnose	3.00			4272.00	45.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Marc Downing

26-20s-20w Pawnee,KS
Tombaugh Unit #1
Job Ticket: 49495 **DST#: 2**
Test Start: 2012.09.07 @ 09:44:30

Mud and Cushion Information

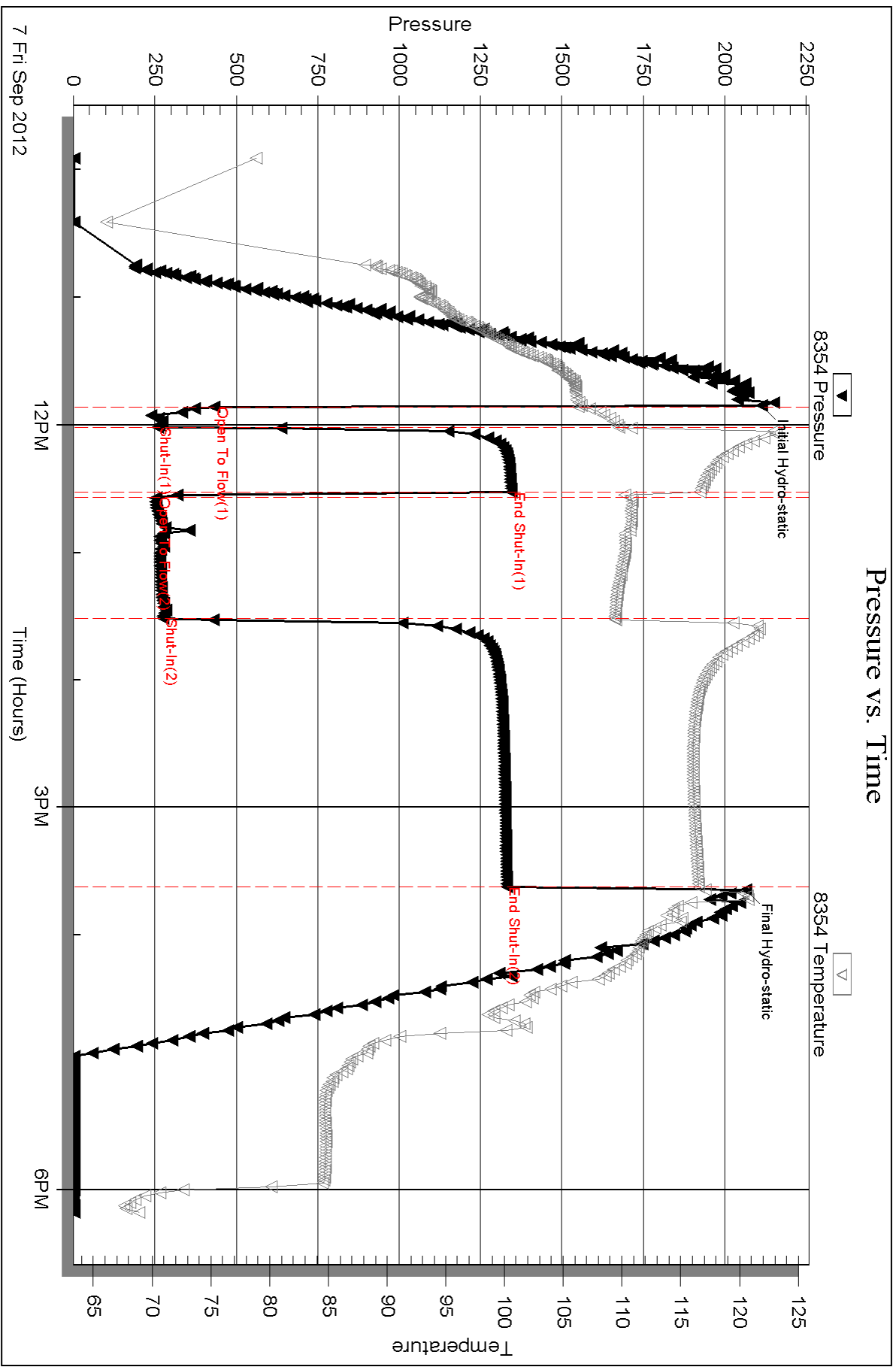
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
295.00	100%Mud	1.934

Total Length: 295.00 ft Total Volume: 1.934 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

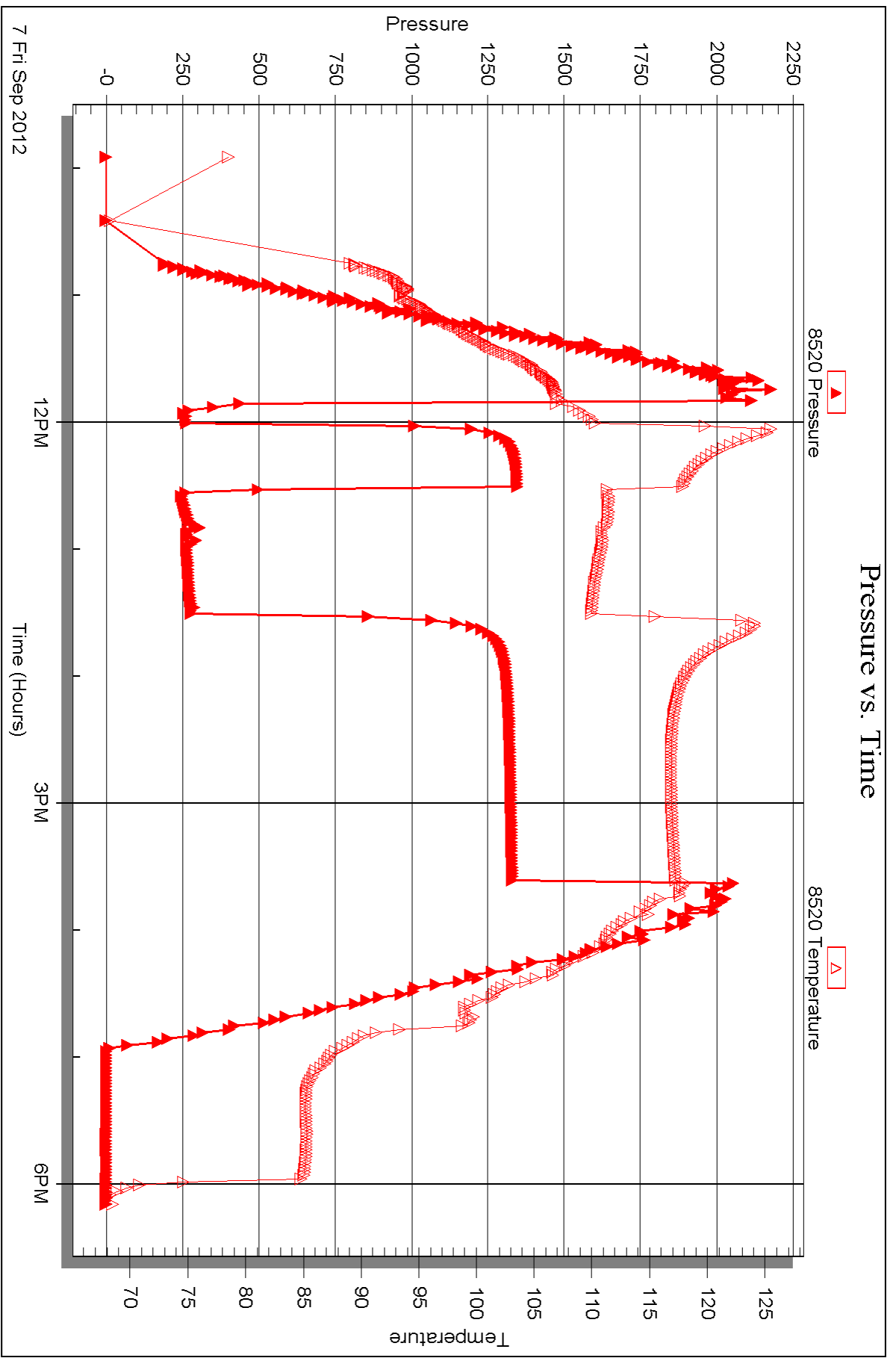


Serial #: 8520

Outside Carmen Schmitt, Inc.

Tombaugh Unit #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend, KS 67530

ATTN: Marc Downing

Tombaugh Unit #1

26-20s-20w Pawnee,KS

Start Date: 2012.09.08 @ 02:00:30

End Date: 2012.09.08 @ 09:53:00

Job Ticket #: 49496 DST #: 3

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

Printed: 2012.09.13 @ 16:29:43



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Marc Downing

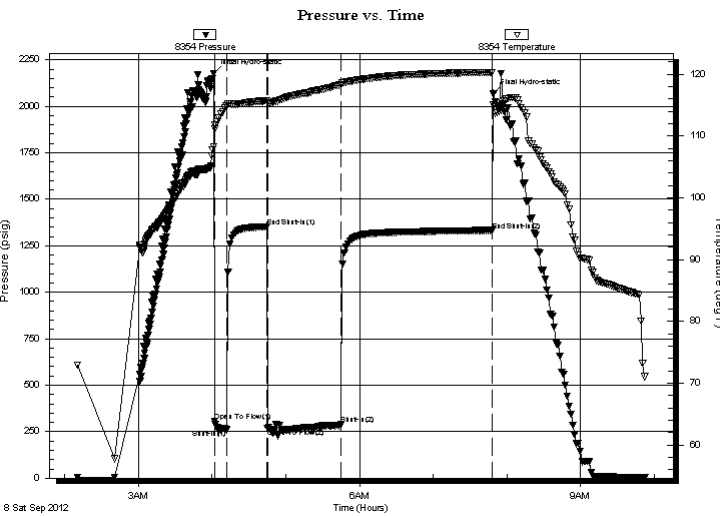
26-20s-20w Pawnee, KS
Tombaugh Unit #1
Job Ticket: 49496 **DST#: 3**
Test Start: 2012.09.08 @ 02:00:30

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:02:00
Time Test Ended: 09:53:00
Interval: **4272.00 ft (KB) To 4280.00 ft (KB) (TVD)**
Total Depth: 4280.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Reference Elevations: 2150.00 ft (KB)
2145.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8354 Inside
Press @ Run Depth: 287.93 psig @ 4274.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.08 End Date: 2012.09.08 Last Calib.: 2012.09.08
Start Time: 02:10:30 End Time: 09:53:00 Time On Btm: 2012.09.08 @ 04:01:00
Time Off Btm: 2012.09.08 @ 07:49:00

TEST COMMENT: IF-Strong building blow . BOB in 30 seconds . GTS in 5 minutes .
ISI-No Return.
FF-Strong building blow . BOB in 10 seconds . Gauged Gas . Took Sample .
FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.80	108.28	Initial Hydro-static
1	304.78	111.11	Open To Flow (1)
11	263.69	114.90	Shut-In(1)
44	1351.19	115.71	End Shut-In(1)
44	267.57	115.39	Open To Flow (2)
104	287.93	118.29	Shut-In(2)
227	1333.11	120.31	End Shut-In(2)
228	2066.71	115.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
242.00	90%Water/10%Mud	1.19
133.00	60%Water/40%Mud	1.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	28.00	662.28
Last Gas Rate	0.75	50.00	1005.92
Max. Gas Rate	0.75	50.00	1005.92



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, KS 67530
 ATTN: Marc Downing

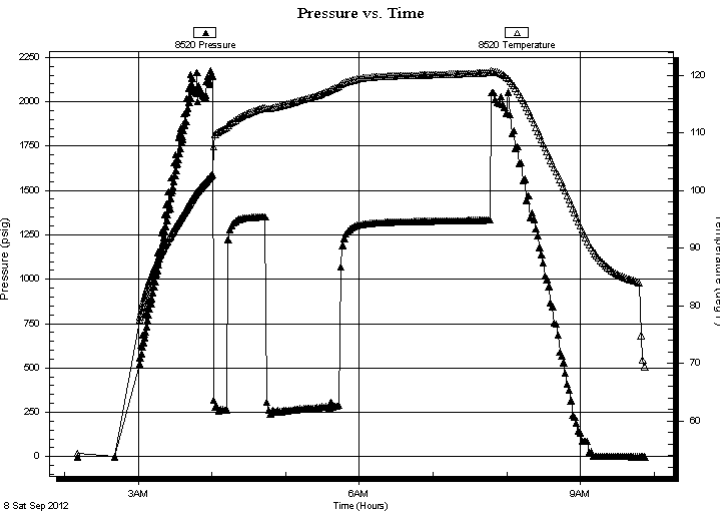
26-20s-20w Pawnee, KS
Tombaugh Unit #1
 Job Ticket: 49496 **DST#: 3**
 Test Start: 2012.09.08 @ 02:00:30

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 04:02:00 Tester: Dustin Rash
 Time Test Ended: 09:53:00 Unit No: 38
 Interval: **4272.00 ft (KB) To 4280.00 ft (KB) (TVD)** Reference Elevations: 2150.00 ft (KB)
 Total Depth: 4280.00 ft (KB) (TVD) 2145.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8520 **Outside**
 Press @ Run Depth: psig @ 4274.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.08 End Date: 2012.09.08 Last Calib.: 2012.09.08
 Start Time: 02:10:45 End Time: 09:52:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-Strong building blow . BOB in 30 seconds . GTS in 5 minutes .
 IS-No Return.
 FF-Strong building blow . BOB in 10 seconds . Gauged Gas . Took Sample .
 FS-No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
242.00	90%Water/10%Mud	1.19
133.00	60%Water/40%Mud	1.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	28.00	662.28
Last Gas Rate	0.75	50.00	1005.92
Max. Gas Rate	0.75	50.00	1005.92



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

26-20s-20w Pawnee, KS

PO Box 47
Great Bend, KS 67530

Tombaugh Unit #1

Job Ticket: 49496

DST#: 3

ATTN: Marc Downing

Test Start: 2012.09.08 @ 02:00:30

Tool Information

Drill Pipe:	Length: 4010.00 ft	Diameter: 3.80 inches	Volume: 56.25 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	27000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	10000.00 lb
			<u>Total Volume: 57.44 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4272.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	8.00 ft				
Tool Length:	36.00 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			4245.00	
Shut In Tool	5.00			4250.00	
Hydraulic tool	5.00			4255.00	
Jars	5.00			4260.00	
Safety Joint	3.00			4263.00	
Packer	5.00			4268.00	28.00 Bottom Of Top Packer
Packer	4.00			4272.00	
Stubb	1.00			4273.00	
Perforations	1.00			4274.00	
Recorder	0.00	8354	Inside	4274.00	
Recorder	0.00	8520	Outside	4274.00	
Perforations	3.00			4277.00	
Bullnose	3.00			4280.00	8.00 Bottom Packers & Anchor

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

26-20s-20w Pawnee, KS

PO Box 47
Great Bend, KS 67530

Tombaugh Unit #1

Job Ticket: 49496

DST#: 3

ATTN: Marc Downing

Test Start: 2012.09.08 @ 02:00:30

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:

17000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: 0.40 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
242.00	90%Water/10%Mud	1.190
133.00	60%Water/40%Mud	1.866

Total Length: 375.00 ft

Total Volume: 3.056 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

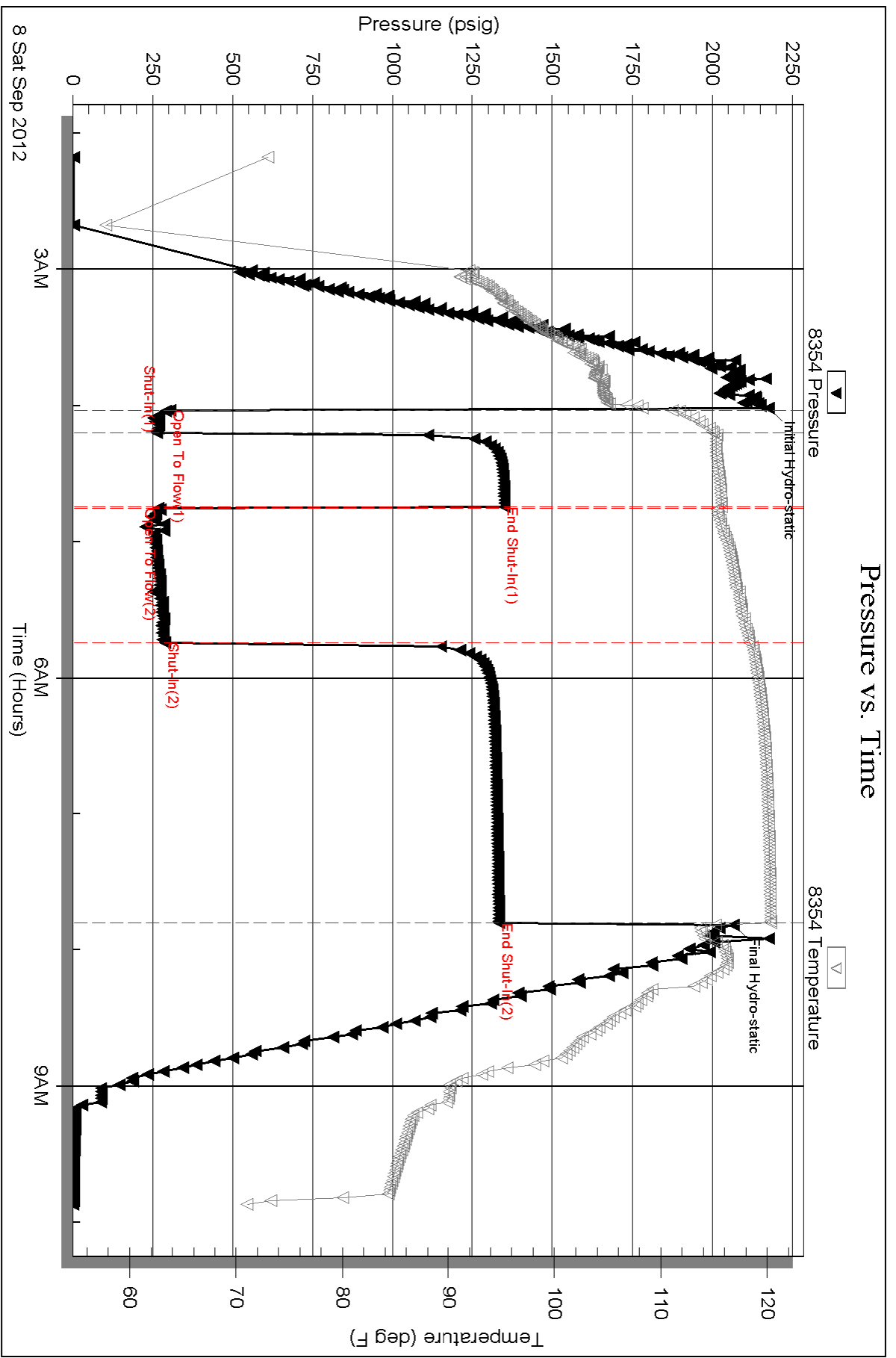
Serial #: 8354

Inside

Carmen Schmitt, Inc.

Tombaugh Unit #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 49496

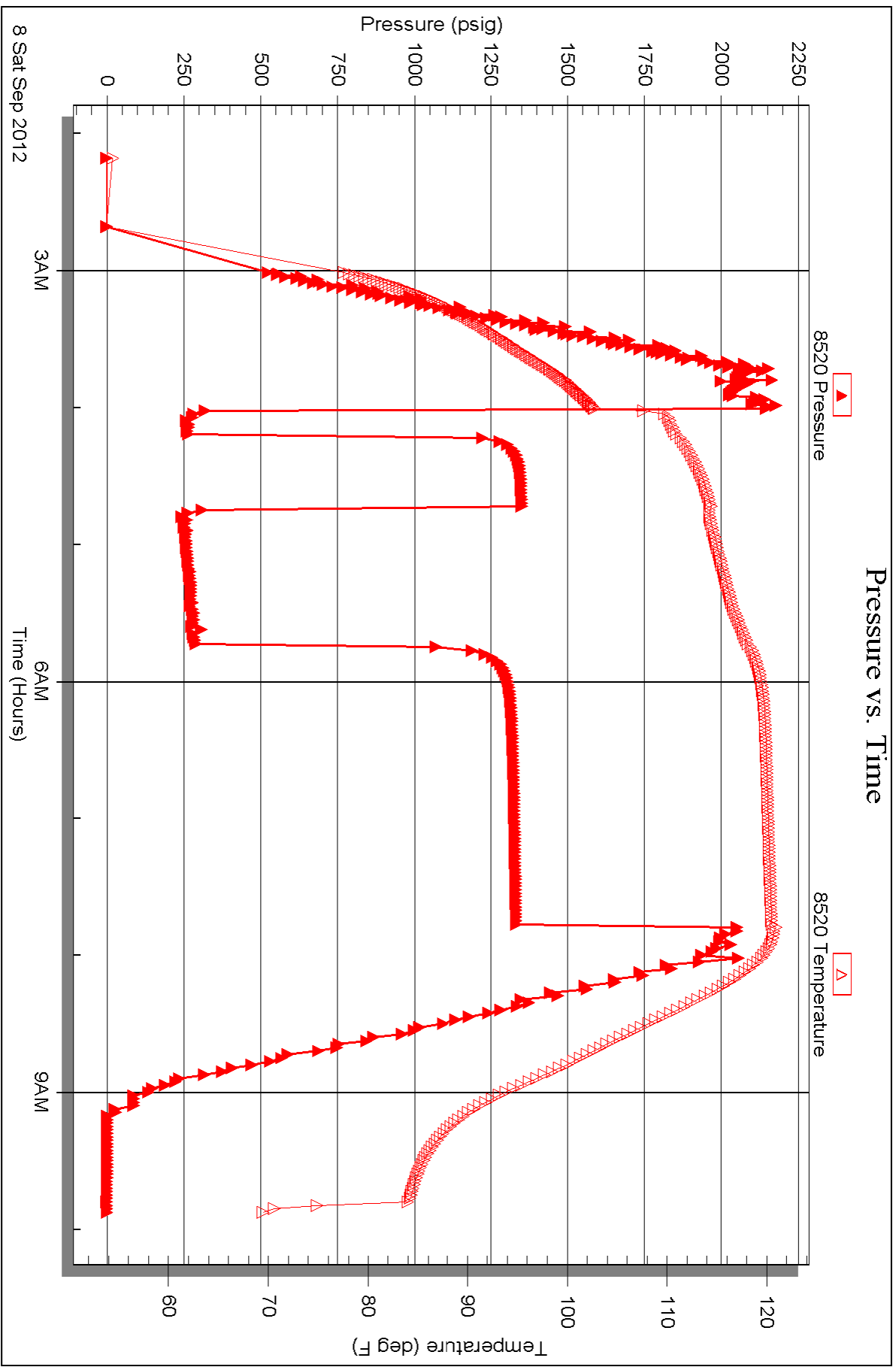
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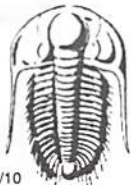
Serial #: 8520

Outside Carmen Schmitt, Inc.

Tombaugh Unit #1

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49494

Well Name & No. Tombaugh Unit #1 Test No. 1 Date 9-6-12
 Company Carmen Schmitt, Inc. Elevation 2150 KB 2145 GL
 Address P.O. Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Marc Downing Rig Mallard 1
 Location: Sec. 26 Twp. 20S Rge. 20W Co. Pawnee State KS

Interval Tested 4227-4268 Zone Tested Mississippian
 Anchor Length 41' Drill Pipe Run _____ Mud Wt. 9.25
 Top Packer Depth 4222 Drill Collars Run 242 Vis 51
 Bottom Packer Depth 4227 Wt. Pipe Run ⊖ WL 8.8
 Total Depth 4268 Chlorides 3400 ppm System LCM 2#

Blow Description IF - Strong building blow, BOB in 30 seconds, GTS in 60s
~~ISF - No Return~~

FF - Strong building blow, BOB in 15 seconds, Cauged Gas,
~~FSF - No Return.~~ Took Gas Sample,

Rec	Feet of	%gas	%oil	%water	%mud
<u>200</u>	<u>Mud</u>			<u>100</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 200 BHT 125 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2112</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>1600</u>
(B) First Initial Flow <u>108</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>1830</u>
(C) First Final Flow <u>141</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>2042</u>
(D) Initial Shut-In <u>1350</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2150</u>
(E) Second Initial Flow <u>165</u>	<input checked="" type="checkbox"/> Hourly Standby <u>X1</u> 100	T-Out <u>0300</u>
(F) Second Final Flow <u>149</u>	<input checked="" type="checkbox"/> Mileage <u>60X2</u> 186	Comments <u>BIT-1714</u>
(G) Final Shut-In <u>1351</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2044</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

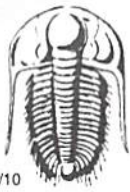
Initial Open 10
 Initial Shut-In 20
 Final Flow 10
 Final Shut-In 20

Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1861

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49495

Well Name & No. Tombaugh Unit #2 Test No. 2 Date 9-7-12
 Company Carmen Schmitt, Inc. Elevation 2150 KB 2145 GL
 Address P.O. Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Male Downing Rig Mallard #
 Location: Sec. 26 Twp. 20S Rge. 20W Co. Pawnee State KS

Interval Tested 4227-4272 Zone Tested MISSISSIPPIAN
 Anchor Length 45' Drill Pipe Run _____ Mud Wt. 9.25
 Top Packer Depth 4222 Drill Collars Run 242 Vis 51
 Bottom Packer Depth 4227 Wt. Pipe Run 0 WL 8.8
 Total Depth 4272 Chlorides 3400 ppm System LCM 2#
 Blow Description FF-Strong blow. BOB in 30 seconds, GTS in 3 minutes,
FF- No Return,
FF- Strong blow. BOB in 10 seconds, Gauged Gas,
FST- No Return.

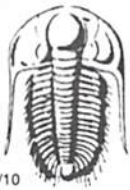
Rec	Feet of	%gas	%oil	%water	%mud
<u>295</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 295 BHT 117 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2113 Test 1250 T-On Location 0900
 (B) First Initial Flow 432 Jars 250 T-Started 1015
 (C) First Final Flow 258 Safety Joint 75 T-Open 1151
 (D) Initial Shut-In 1345 Circ Sub _____ T-Pulled 1535
 (E) Second Initial Flow 256 Hourly Standby _____ T-Out 1815
 (F) Second Final Flow 275 Mileage 60X2 186 Comments Bar - 0944
 (G) Final Shut-In 1331 Sampler _____
 (H) Final Hydrostatic 2065 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1761
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1761

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49496

Well Name & No. Tombaugh Unit #1 Test No. 3 Date 9-8-12
 Company Carmen Schmitt, Inc. Elevation 2150 KB 2145 GL
 Address P.O. Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Maia Downing Rig Mallard I
 Location: Sec. 26 Twp. 20S Rge. 20W Co. Pawnee State KS

Interval Tested 4272-4280 Zone Tested Mississippian
 Anchor Length 8' Drill Pipe Run 4010 Mud Wt. 9.4
 Top Packer Depth 4267 Drill Collars Run 242 Vis 59
 Bottom Packer Depth 4272 Wt. Pipe Run 0 WL 11.2
 Total Depth 4280 Chlorides 7200 ppm System LCM 1#

Blow Description FF-Strong building blow, BOB in 30 seconds, GTS in 5 minutes, ISI- No Return,
FF- Strong building blow, BOB in 10 seconds, Clogged Gas, Took sample
FSI- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>133</u>	<u>Muddy Water</u>			<u>60</u>	<u>40</u>
<u>242</u>	<u>Muddy Water</u>			<u>90</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 375 BHT 120 Gravity 1.395 API RW 67 ° F Chlorides 17000 ppm

(A) Initial Hydrostatic 2176 Test 1250 T-On Location 0115
 (B) First Initial Flow 305 Jars 250 T-Started 0230
 (C) First Final Flow 264 Safety Joint 75 T-Open 0401
 (D) Initial Shut-In 1351 Circ Sub T-Pulled 0745
 (E) Second Initial Flow 268 Hourly Standby T-Out 0945
 (F) Second Final Flow 288 Mileage 60X2 186 Comments BATT-0200
 (G) Final Shut-In 1333 Sampler
 (H) Final Hydrostatic 2067 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 10
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 120
 Sub Total 1761
 Total 1761
 MP/DST Disc't 1761

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.