

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED

Form ACO-1
September 1999
Form Must Be Typed

JUL 07 2010 ORIGINAL

KCC WICHITA

7/1/12

Operator: License # 3882
Name: SAMUEL GARY JR. & ASSOCIATES, INC.
Address: 1560 BROADWAY, SUITE 2100
City/State/Zip: DENVER, CO 80202-4838
Purchaser: GARY-WILLIAMS ENERGY CORPORATION
Operator Contact Person: CLAYTON CAMOZZI
Phone: (303) 831-4673
Contractor: Name: SOUTHWIND DRILLING
License: 33350
Wellsite Geologist: TIM HEDRICK

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

03/10/2010 3/18/2010 3/30/2010
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-165-21602-0000
County: RUSH
SE NE SW SW Sec. 23 Twp. 16 S. R. 16 East West
940 feet from SOUTH Line of Section
1300 feet from WEST Line of Section

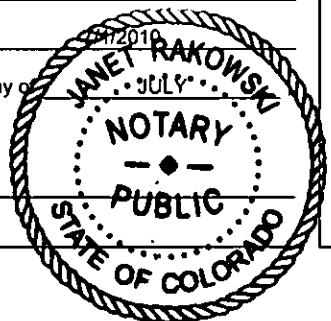
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW **SW**
Lease Name: TUZICKA Well #: 2-23
Field Name: WILDCAT
Producing Formation: LANSING
Elevation: Ground: 1956' Kelly Bushing: 1964'
Total Depth: 3650' Plug Back Total Depth: 3648'
Amount of Surface Pipe Set and Cemented at 1059 Feet
Multiple State 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 AKI 7-13-10 MS
(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 No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this information shall be filed with the Kansas Corporation Commission, 130 South Market-Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: _____
Title: GEOLOGIST Date: _____
Subscribed and sworn to before me this 1ST day of JULY 2010
Notary Public: Janet Rakowski
Date Commission Expires: 06/05/2013



KCC Office Use ONLY
 Letter of Confidentiality Attached 7/1/10 - 7/1/12
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

My Commission Expires 06/05/2013

Operator Name: SAMUEL GARY JR & ASSOCIATES, INC. Lease Name: TUZICKA Well #: 2-23
 Sec. 23 Twp. 16 S. R. 16 East West County: RUSH

INSTRUCTIONS: Show important tops and base of formation penetrated. Detail all cores. Report all final copes of drill stem 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 copy of all Electric Wireline Logs surveyed. Attach final geologist well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Sample Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	TOPEKA	2963'	-1007'
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	HEEBNER	3189'	-1233'
List All E. Logs Run:	DUAL INDUCTION DENSITY - NEUTRON SONIC LOG MICROLOG		DOUGLAS	3222'	-1266'
			LANSING	3247'	-1291'
			ARBUCKLE	3541'	-1585'
			TD	3650'	

RECEIVED
JUL 07 2010
KCC WICHITA

KCC
JUL 09 2010
CONFIDENTIAL

CASING RECORD <input checked="" 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
SURFACE	12-1/4"	8-5/8"	28	1059'	CLASS A	400	2% GEL & 3% CC
PRODUCTION	7-7/8"	5-1/2"	15.5	3648'	60/40 POZ ECON-O-BOND	25 150	5#/SK GILSONITE, 1/4#/SK CELLFLAKE

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

Shots per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid. Fracture, Shot, Cement, Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
4 JSPF	3313'-16', 3320'-23', 3408'-10		400 gallons 20% MCA with 3% MAS	3313'-3410'

TUBING RECORD	Size 2-7/8"	Set At 3533'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 4/8/10		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. 100	Gas Mcf 0	Water Bbls. 50	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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval 3313'-3410'
---	--	------------------------------------



PO BOX 31 Russell, KS 67665

1003-AP-326

4/1

INVOICE

Invoice Number: 121870

Invoice Date: Mar 11, 2010

Page: 1

Voice: (785) 483-3887
 Fax: (785) 483-5566

Bill To:
Samuel Gary, Jr. & Assoc. c/o Kelly Branum P O Box 448 Russell, KS 67665

KCC
 RECEIVED
 CONFIDENTIAL

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Gary	Haddon #2-5	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Mar 11, 2010	4/10/10

Quantity	Item	Description	Unit Price	Amount
185.00	MAT	Class A Common	13.50	2,497.50
3.00	MAT	Gel	20.25	60.75
6.00	MAT	Chloride	51.50	309.00
92.00	SER	Handling	2.25	207.00
1.00	SER	Handling Mileage Charge	300.00	300.00
1.00	SER	Surface	991.00	991.00
30.00	SER	Pump Truck Mileage	7.00	210.00

RECEIVED

MAR 27 2010

SAMUEL GARY JR.
& ASSOCIATES, INC.

RECEIVED

JUL 07 2010

KCC WICHITA

Subtotal	4,575.25
Sales Tax	180.64
Total Invoice Amount	4,755.89
Payment/Credit Applied	
TOTAL	4,755.89

ALL PRICES ARE NET, PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE. 1 1/2% CHARGED
 THEREAFTER. IF ACCOUNT IS
 CURRENT, TAKE DISCOUNT OF

\$ 1143.81

ONLY IF PAID ON OR BEFORE
Apr 5, 2010

DRLG COMP W/O LOE 1,143.81
 AFE # 8200-138 3,612.08
 ACCT # 8200-138
 APPROVED BY [Signature]

ALLIED CEMENTING CO., LLC. 33849

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

SERVICE POINT:
Russell KS

DATE <u>3-11-10</u>	SEC. <u>5</u>	TWP. <u>19</u>	RANGE <u>10</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00pm</u>	JOB FINISH <u>4:30pm</u>
LEASE <u>Haddon</u>	WELL # <u>2-5</u>		LOCATION <u>Ellinwood East Side</u>		COUNTY <u>Rice</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>5 1/2 North 7 East 7 1/2 South West into</u>				

CONTRACTOR Val Rig #6

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 341'

CASING SIZE 8 5/8 23" DEPTH 337.61'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 20.5 Bbl

OWNER _____

CEMENT

AMOUNT ORDERED 185 Com 3% cc 2% Gel

COMMON <u>185</u>	@	<u>13.50</u>	<u>2497.50</u>
POZMIX _____	@	_____	_____
GEL <u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE <u>6.</u>	@	<u>51.50</u>	<u>309.00</u>
ASC _____	@	_____	_____

JUL 07 2010
COMMERCIAL

EQUIPMENT

PUMP TRUCK # 417 CEMENTER John Roberts
HELPER Matt

BULK TRUCK # 410 DRIVER Ron

BULK TRUCK # _____ DRIVER _____

RECEIVED	@	_____	_____
JUL 07 2010	@	_____	_____
KCC WICHITA	@	_____	_____
HANDLING <u>9.2</u>	@	<u>2.25</u>	<u>207.00</u>
MILEAGE <u>110/sk/mile</u>			<u>300.00</u>
TOTAL			<u>3374.25</u>

REMARKS:

Est. Circulation

Mix 185 sk Cement

Displace w/ 20.5 Bbl H₂O

Cement Did Circulate!
Thank You!

SERVICE

DEPTH OF JOB _____			
PUMP TRUCK CHARGE _____			<u>991.00</u>
EXTRA FOOTAGE _____	@	_____	_____
MILEAGE <u>30</u>	@	<u>7.00</u>	<u>210.00</u>
MANIFOLD _____	@	_____	_____
_____	@	_____	_____
TOTAL			<u>1201.00</u>

CHARGE TO: Sam Gary

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Wooden Plug</u>	@	_____	<u>N-C</u>
_____	@	_____	_____
_____	@	_____	_____

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment

1003-AP-446



BASIC
ENERGY SERVICES

4115

PAGE 1 of 2	CUST NO 1003682	INVOICE DATE 03/24/2010
INVOICE NUMBER 1718 - 90275465		

Pratt (620) 672-1201
 B SAMUEL GARY JR. & ASSOCIATES
 I PO Box: 448
 L RUSSELL
 L KS US 67665
 T
 O ATTN:

J LEASE NAME Haddon 2-5
 O LOCATION
 B COUNTY Rice
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

8200.138

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40163461	27463		Net - 30 days	04/23/2010

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 03/19/2010 to 03/19/2010</i>				
0040163461				
171801347A Cement-New Well Casing/Pi 03/19/2010 CNW-5 1/2" Longstring				
Cement	125.00	EA	5.61	701.25 T
50/50 POZ				
Cement	75.00	EA	6.12	459.00 T
60/40 POZ				
Additives	31.00	EA	1.89	58.50 T
Cello-flake				
Calcium Chloride	210.00	EA	0.54	112.45 T
Calcium Chloride				
Additives	625.00	EA	0.38	239.06 T
Cal-Set				
Additives	210.00	EA	0.13	26.78 T
Cement Gel				
Additives	1,000.00	EA	0.34	341.70 T
Gilsonite				
Additives	4.00	EA	17.85	71.40 T
CS-1L, KCl Substitute				
Additives	500.00	EA	0.78	390.15 T
Super Flush II				
Cement Float Equipment	1.00	EA	204.00	204.00
Latch Down Plug & Baffle				
Cement Float Equipment	1.00	EA	183.60	183.60
Auto Fill Float Shoe				
Cement Float Equipment	8.00	EA	56.10	448.80
Turbolizer				
Mileage	140.00	MI	3.57	499.80
Heavy Equipment Mileage				
Mileage	595.00	MI	0.82	485.52
Proppant & Bulk Delivery Charges				
Mileage	200.00	MI	0.71	142.80
Blending & Mixing Service Charge				

RECEIVED

MAR 30 2010

SAMUEL GARY JR. & ASSOCIATES, INC.

RECEIVED

JUL 07 2010

KCC WICHITA

KCC
JUL 07 2010
CONFIDENTIAL

DRLG COMP W/O LOE

AFE # _____

ACCT # _____

APPROVED BY _____



PAGE 2 of 2	CUST NO 1003682	INVOICE DATE 03/24/2010
INVOICE NUMBER 1718 - 90275465		

Pratt (620) 672-1201
 B SAMUEL GARY JR. & ASSOCIATES
 I PO Box: 448
 L RUSSELL
 L KS US 67665
 T
 O ATTN:

J LEASE NAME Haddon 2-5
 O LOCATION
 B COUNTY Rice
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40163461	27463		Net - 30 days	04/23/2010

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Pickup	70.00	HR	2.17	151.72
Unit Mileage Charge-Pickups, Vans & Cars				
Pump Charge-Hourly	1.00	HR	1,101.60	1,101.60
Depth Charge; 3001'-4000'				
Cementing Head w/Manifold	1.00	EA	127.50	127.50
Plug Container Utilization Charge				
Extra Equipment	1.00	EA	102.00	102.00
Casing Swivel Rental				
Supervisor	1.00	HR	89.25	89.25
Service Supervisor				
Additives	104.00	EA	3.83	397.80 T
FLA-322				

RECEIVED
 JUL 07 2010
 KCC WICHITA

KCC
 JUL 01 2010
 CONFIDENTIAL

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,334.68
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	176.28
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	6,510.96
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 1347 A

DATE _____ TICKET NO. _____

DATE OF JOB 3-19-10 DISTRICT PRATT, Ks.		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER SAM GARY JR. ASSOCIATES, INC.		LEASE HADDON WELL NO. 25						
ADDRESS		COUNTY RICE STATE Ks.						
CITY STATE		SERVICE CREW LESLEY, HATEL, NALL						
AUTHORIZED BY		JOB TYPE: CNW - 5 1/2 L.S.						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME
27283	1						3-18-10	12:00
27463	1					ARRIVED AT JOB	3-18-10	11:00
14852/3110	1					START OPERATION	3-17-10	AM 5:30
						FINISH OPERATION		AM 6:15
						RELEASED		AM 6:45
						MILES FROM STATION TO WELL		70

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
PP 114	50/50 P.O.Z.	SK	125		1375.00
PP 103	100/140 P.O.Z.	SK	75		900.00
PC 102	CELL-FLAKE	lb	31		114.70
CC 109	CALCIUM CHLORIDE	lb	210		231.50
CC 113	CAL-SET	lb	1.25		468.75
CC 129	FLA-322	lb	1.4		780.00
CC 200	CEMENT GEL	lb	210		52.50
CC 201	GILSONITE	lb	1,120		670.00
C 704	CS-16 KCL SUBSTITUTE	GAL	4		140.00
CC 155	SUPER FLUSH II	GAL	500		765.00
CF 107	LATCH DOWN PLUG & BAFFLE, 5 1/2"	EA	1		400.00
CF 1251	AUTO FILL FLOAT SHOE, 5 1/2"	EA	1		300.00
CF 1651	TURBULIZER	EA	8		880.00
KCC					
JUL 07 2011					
KCC WICHITA					
RECEIVED					

CHEMICAL / ACID DATA:

SUB TOTAL

DLS

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL

SERVICE REPRESENTATIVE *Lesley*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

[Signature]

(WELL OWNER OPERATOR, CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 ~~1348~~ A
1347
CONTINUED
DATE _____ TICKET NO. _____

DATE OF JOB: 3-19-10		DISTRICT: PRATT, KS.		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: SAM GARY, JR. & ASSOCIATES, INC.				LEASE: HADDON				WELL NO. 2-5	
ADDRESS:				COUNTY: RICE		STATE: KS.			
CITY:		STATE:		SERVICE CREW: LESLEY, HATEL, MALL					
AUTHORIZED BY:				JOB TYPE: CNW - 5 1/2 L.S.					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
27463	1						2-18-10	PM	12:00
27283	1					ARRIVED AT JOB		PM	11:00
1983212410	1					START OPERATION	3-17-10	AM	5:30
						FINISH OPERATION		AM	6:15
						RELEASED		AM	6:45
						MILES FROM STATION TO WELL	70		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E 101	HEAVY EQUIPMENT MILEAGE	MI	140		980.00
F 113	BULK DELIVERY CHARGE	TM	595		952.00
E 100	PICK UP MILEAGE CHARGE	MI	70		297.50
CE 240	BLENDING SERVICE CHARGE	SK	200		290.00
S 003	SERVICE SUPERVISOR, FIRST 6-HR UN'LUC.	EA	1		175.00
CE 204	DEPTH CHARGE; 3001-4000'	HRS	1-4		2,100.00
CE 504	PLUG CONTAINER UTILIZATION CHARGE	JOB	1		250.00
CE 501	CASING SWIVEL RENTAL	EA	1		300.00
RECEIVED					
JUL 07 2010					
KCC WICHITA					
					SUB TOTAL 6,334.60

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: *Lesley*
 THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*
 (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
 FIELD SERVICE ORDER NO. _____

Customer: <u>DAVE TAYLOR W. & ASSOCIATES, INC.</u>		Lease No.	Date	
Lease: <u>HANDY</u>		Well #: <u>2-5</u>	<u>3-11-10</u>	
Field Order #	Station: <u>1 PRATT, KS.</u>	Casing: <u>5 1/2</u>	Depth	County: <u>RICE</u> State: <u>KS</u>
Type Job: <u>CAIN - 5 1/2 1 S.</u>	Formation	Legal Description: <u>5-11-10</u>		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<u>3 1/2</u>			<u>7.17 -</u>	<u>8. K 60/40 P20</u>			Max	5 Min.
Depth: <u>3440</u>	Depth	From	To	Pre Pad			Min	10 Min.
Volume: <u>81</u>	Volume	From	To	Pad			Avg	15 Min.
Max Press: <u>1500</u>	Max Press	From	To	Frac.			HHP Used	Annulus Pressure
Well Connection: <u>1.0.</u>	Annulus Vol.	From	To				Gas Volume	Total Load
Plug Depth: <u>3417</u>	Packer Depth	From	To	Flush: <u>4.1 BBL KCL</u>				

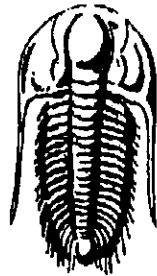
Customer Representative: <u>KELLY BRANNA</u>	Station Manager: <u>DAVE SCOTT</u>	Treater: <u>KEEVEN LESLEY</u>
Service Units: <u>27283</u> <u>27463</u> <u>13-2</u> <u>1010</u>	Driver Names: <u>LESLEY</u> <u>KEEVEN</u> <u>NALL</u>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00 AM					UNLICATION SAFETY MEETING
2:40 PM					RUN CPG. 5 1/2" x 15 5"
2:41 PM					CEMT - 1, 2, 5, 7, 11, 13, 15
1:30 PM					CONNECTION
4:30 AM					1100 KCL 10 CPG. 1 MAX CPG. 10/11/14
5:37 AM	700		20	5	H ₂ O SPACER
5:34 AM	300		12	5.5	INTERFLUSH II
5:35 AM	300		3	5.5	H ₂ O SPACER
5:37 AM	300		7	5.5	5500 SUNKER @ 12.00#/gal
5:43 AM	300		34	5.5	12500 SUNKER @ 13.82#/gal
5:45 AM					CLEARLINE - RELEASE PLUG
5:50 AM	350		12	7	START DISPLACEMENT
6:01 AM	350		60	6	LIFT TUBE SUMP
6:12 AM	500		70	5	FLOW RATE
6:15 AM	1500		81	4	PLUG TRIP (H ₂ O)
					PLUG R.H. 9/11/11
					J.F. COMPLETE
					THANKS
					KEEVEN

RECEIVED
JUL 07 2010

KOC WICHITA

CONFIDENTIAL
JUL 09 2010



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates Inc.**

1515 Wynkoop Ste 700
Denver CO 80202

ATTN: Clayton Camozzi

23 16 16 Rush KS

Tuzicka #2-23

Start Date: 2010.03.15 @ 04:38:35

End Date: 2010.03.15 @ 12:47:35

Job Ticket #: 38237 DST #: 1

KCC
JUL 09 2010
CONFIDENTIAL

RECEIVED
JUL 07 2010
KCC WICHITA

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

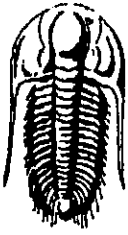
Samuel Gary Jr & Associates Inc.

Tuzicka #2-23

23 16 16 Rush KS

DST # 1

2010.03.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates Inc.

Tuzicka #2-23

1515 Wynkoop Ste 700
Denver CO 80202

23 16 16 Rush KS

Job Ticket: 38237

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2010.03.15 @ 04:38:35

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:32:05

Time Test Ended: 12:47:35

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Interval: 3220.00 ft (KB) To 3288.00 ft (KB) (TVD)

Reference Elevations: 1959.00 ft (KB)

Total Depth: 3288.00 ft (KB) (TVD)

1949.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 10.00 ft

Serial #: 8319

Inside

Press@RunDepth: 530.71 psig @ 3260.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.03.15

End Date:

2010.03.15

Last Calib.:

2010.03.15

Start Time: 04:38:40

End Time:

12:47:34

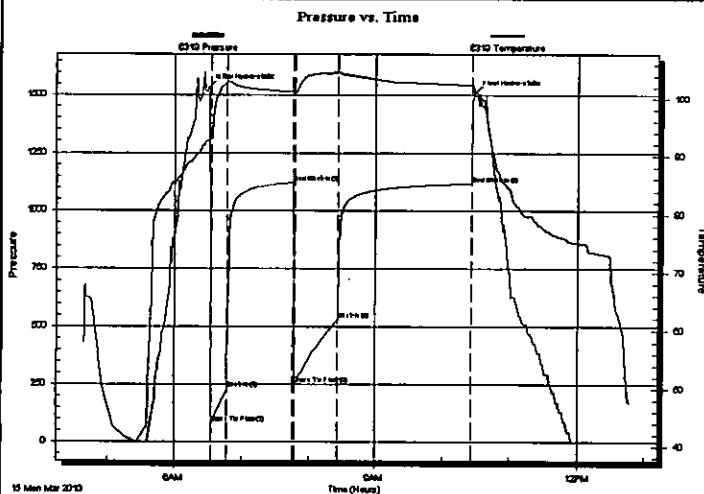
Time On Btm:

2010.03.15 @ 06:30:05

Time Off Btm:

2010.03.15 @ 10:29:05

TEST COMMENT: F-BOB in 2min
IS-2in blow
FF-BOB in 2.5min
FSI-5in blow GTS 105min



PRESSURE SUMMARY

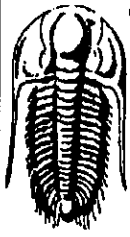
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1534.01	92.74	Initial Hydro-static
2	79.33	93.19	Open To Flow (1)
17	231.52	102.94	Shut-In(1)
76	1118.81	101.22	End Shut-In(1)
77	250.60	101.01	Open To Flow (2)
117	530.71	104.55	Shut-In(2)
236	1115.36	102.40	End Shut-In(2)
239	1511.27	101.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	GWCO 20%G 10%G 70%O	1.40
180.00	GWCM 30%G 30%W 40%M	2.52
120.00	WCM 25%W 75%M	1.68
180.00	WCM 45%W 55%M	2.52
240.00	MCW 30%M 70%W	3.37
260.00	Water	3.65

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates Inc.

Tuzicka #2-23

1515 Wynkoop Ste 700
Denver CO 80202

23 16 16 Rush KS

Job Ticket: 38237

DST#: 1

ATTN: Clayton Camozzi

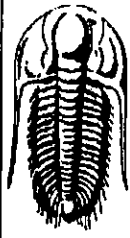
Test Start: 2010.03.15 @ 04:38:35

Tool Information

Drill Pipe:	Length: 3222.00 ft	Diameter: 3.80 inches	Volume: 45.20 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3220.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	95.00 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			3194.00	
Shut In Tool	5.00			3199.00	
Hydraulic tool	5.00			3204.00	
Jars	4.00			3208.00	
Safety Joint	3.00			3211.00	
Packer	4.00			3215.00	27.00 Bottom Of Top Packer
Packer	5.00			3220.00	
Stubb	1.00			3221.00	
Perforations	5.00			3226.00	
Change Over Sub	1.00			3227.00	
Blank Spacing	32.00			3259.00	
Change Over Sub	1.00			3260.00	
Recorder	0.00	8319	Inside	3260.00	
Recorder	0.00	8369	Inside	3260.00	
Perforations	25.00			3285.00	
Bullnose	3.00			3288.00	68.00 Bottom Packers & Anchor
Total Tool Length:	95.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates Inc.

Tuzicka #2-23

1515 Wynkoop Ste 700
Denver CO 80202

23 16 16 Rush KS

Job Ticket: 38237

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2010.03.15 @ 04:38:35

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:

152000 ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
100.00	GWCO 20%G 10%G 70%O	1.403
180.00	GWCM 30%G 30%W 40%M	2.525
120.00	WCM 25%W 75%M	1.683
180.00	WCM 45%W 55%M	2.525
240.00	MCW 30%M 70%W	3.367
260.00	Water	3.647

Total Length: 1080.00 ft

Total Volume: 15.150 bbl

Num Fluid Samples: 0

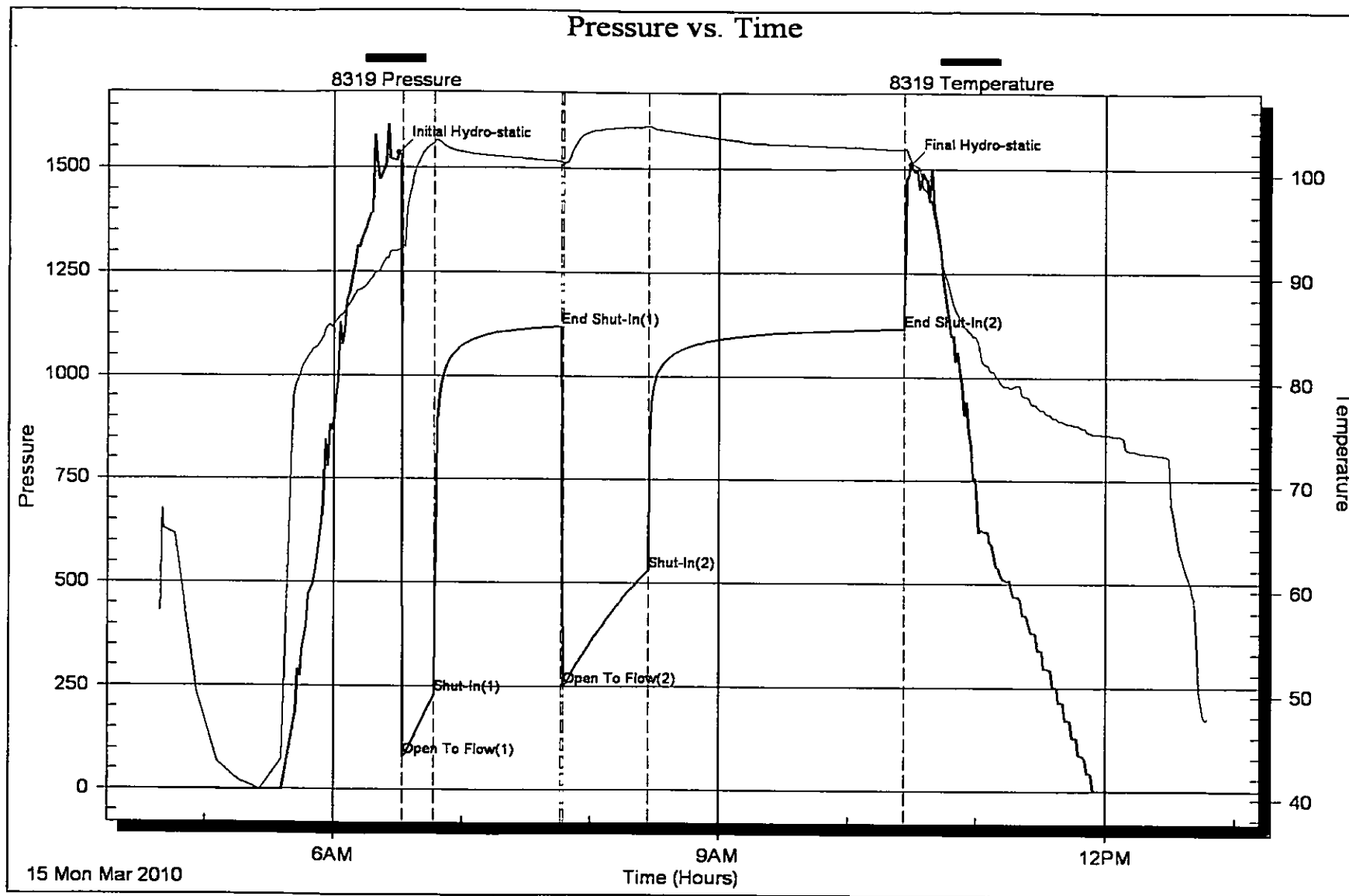
Num Gas Bombs: 0

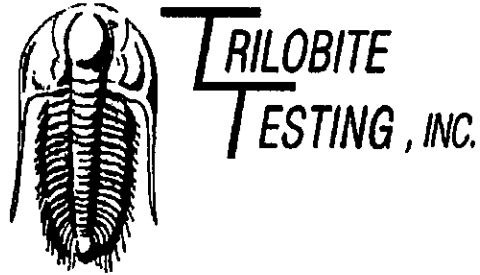
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates Inc.**

1515 Wynkoop Ste 700
Denver CO 80202

ATTN: Clayton Camozzi

23 16 16 Rush KS

Tuzicka #2-23

Start Date: 2010.03.15 @ 20:27:46

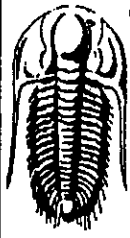
End Date: 2010.03.16 @ 02:32:46

Job Ticket #: 38238 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates Inc.

Tuzicka #2-23

1515 Wynkoop Ste 700
Denver CO 80202

23 16 16 Rush KS

Job Ticket: 38238

DST#: 2

ATTN: Clayton Carozzi

Test Start: 2010.03.15 @ 20:27:46

GENERAL INFORMATION:

Formation: **KC "F"**

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

Time Tool Opened: **21:32:46**

Time Test Ended: **02:32:46**

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **47**

Interval: **3304.00 ft (KB) To 3330.00 ft (KB) (TVD)**

Reference Elevations: **1959.00 ft (KB)**

Total Depth: **3330.00 ft (KB) (TVD)**

1949.00 ft (CF)

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

KB to GR/CF: 10.00 ft

Serial #: 8319 **Inside**

Press@RunDepth: **282.86 psig @ 3305.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.03.15**

End Date: **2010.03.16**

Last Calib.: **2010.03.16**

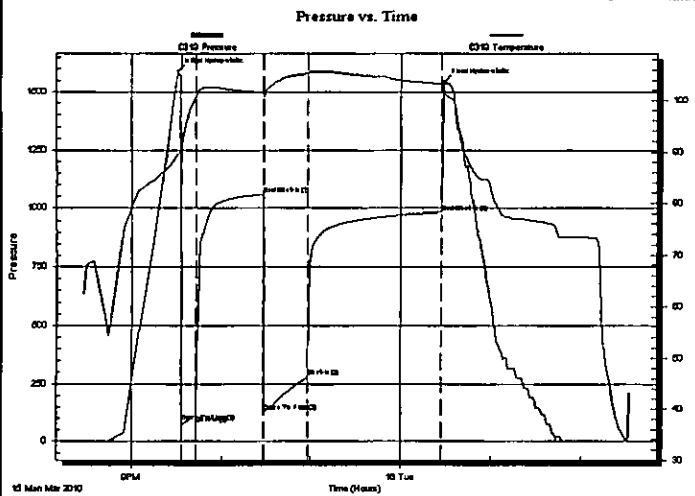
Start Time: **20:27:51**

End Time: **02:32:45**

Time On Btm: **2010.03.15 @ 21:30:16**

Time Off Btm: **2010.03.16 @ 00:28:46**

TEST COMMENT: IF-BOB in 1min
ISI-No blow
FF-BOB in 1.5min
FSI-BOB in 7min GTS 25min



PRESSURE SUMMARY

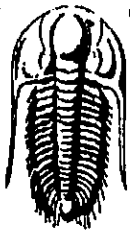
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1588.08	89.53	Initial Hydro-static
3	82.90	89.63	Open To Flow (1)
12	112.72	100.53	Shut-In(1)
57	1060.90	101.65	End Shut-In(1)
58	130.48	100.73	Open To Flow (2)
88	282.86	105.23	Shut-In(2)
177	983.94	103.38	End Shut-In(2)
179	1542.50	102.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	SGMCO 10%G 80%O 10%M	1.54
510.00	GO 30%G 70%O	7.15
90.00	Oilscum MCW 90%W 10%M	1.26

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates Inc.

Tuzicka #2-23

1515 Wynkoop Ste 700
Denver CO 80202

23 16 16 Rush KS

Job Ticket: 38238

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2010.03.15 @ 20:27:46

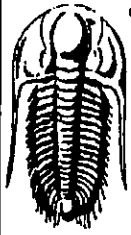
Tool Information

Drill Pipe:	Length: 3285.00 ft	Diameter: 3.80 inches	Volume: 46.08 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3304.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	53.00 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			3278.00	
Shut In Tool	5.00			3283.00	
Hydraulic tool	5.00			3288.00	
Jars	4.00			3292.00	
Safety Joint	3.00			3295.00	
Packer	4.00			3299.00	27.00 Bottom Of Top Packer
Packer	5.00			3304.00	
Stubb	1.00			3305.00	
Recorder	0.00	8319	Inside	3305.00	
Recorder	0.00	8369	Inside	3305.00	
Perforations	22.00			3327.00	
Bullnose	3.00			3330.00	26.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates Inc.

Tuzicka #2-23

1515 Wynkoop Ste 700
Denver CO 80202

23 16 16 Rush KS

Job Ticket: 38238

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2010.03.15 @ 20:27:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

135000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	SGMCO 10%G 80%O 10%M	1.543
510.00	GO 30%G 70%O	7.154
90.00	Oilscum MCW 90%W 10%M	1.262

Total Length: 710.00 ft

Total Volume: 9.959 bbl

Num Fluid Samples: 0

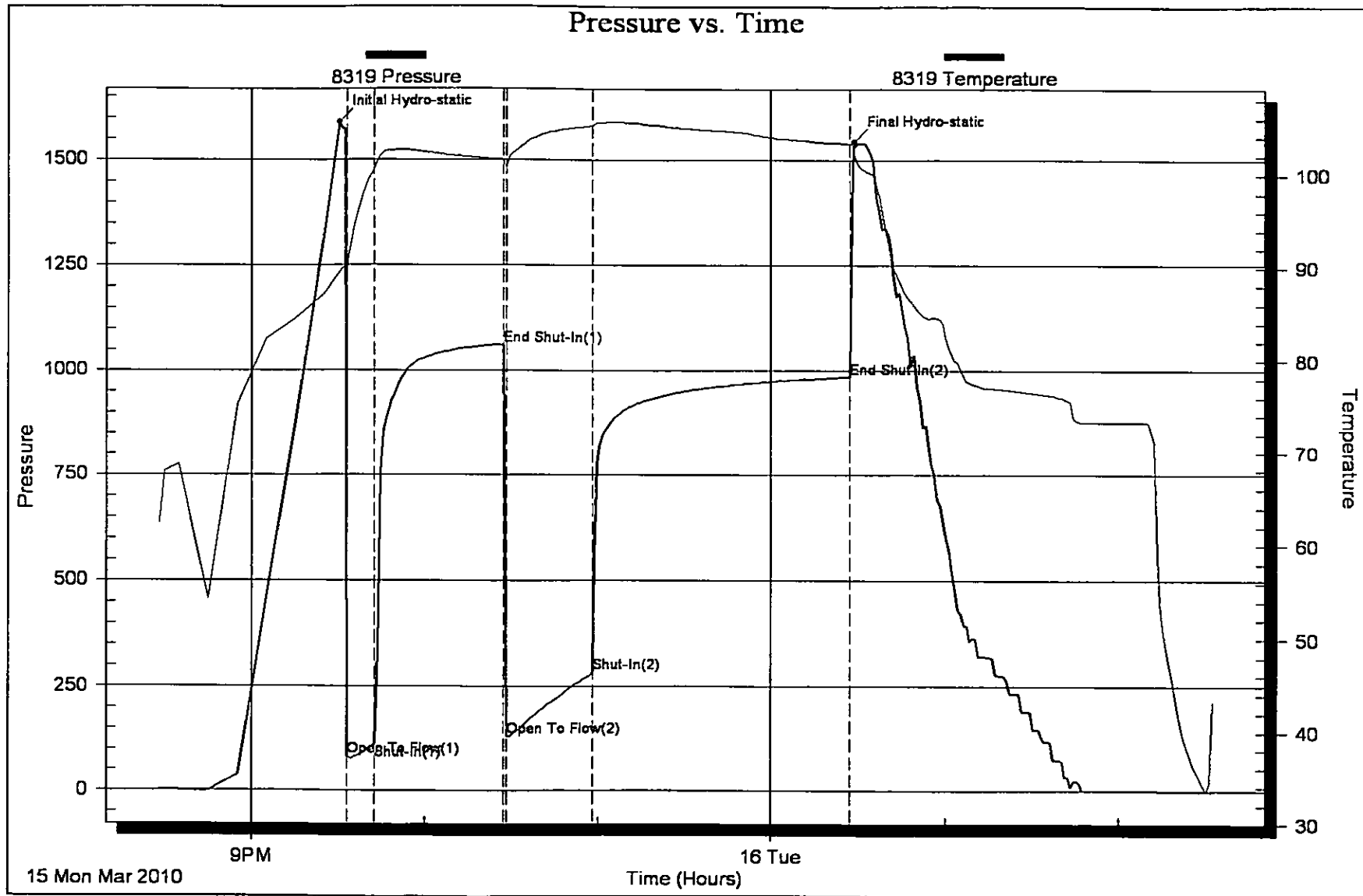
Num Gas Bombs: 0

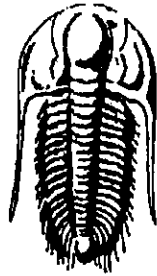
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .08 @ 55F = 135000 chlorides





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates Inc.**

1515 Wynkoop Ste 700
Denver CO 80202

ATTN: Clayton Camozzi

23 16 16 Rush KS

Tuzicka #2-23

Start Date: 2010.03.16 @ 10:27:08

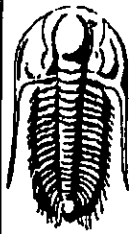
End Date: 2010.03.16 @ 15:58:08

Job Ticket #: 38239 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates Inc.

Tuzicka #2-23

1515 Wynkoop Ste 700
Denver CO 80202

23 16 16 Rush KS

Job Ticket: 38239

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2010.03.16 @ 10:27:08

GENERAL INFORMATION:

Formation: **KC "G"**

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

Time Tool Opened: 11:58:38

Time Test Ended: 15:58:08

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **47**

Interval: **3336.00 ft (KB) To 3350.00 ft (KB) (TVD)**

Reference Elevations: **1959.00 ft (KB)**

Total Depth: **3350.00 ft (KB) (TVD)**

1949.00 ft (CF)

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

KB to GR/CF: 10.00 ft

Serial #: 8319

Inside

Press@RunDepth: **49.17 psig @ 3342.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.03.16**

End Date: **2010.03.16**

Last Calib.: **2010.03.16**

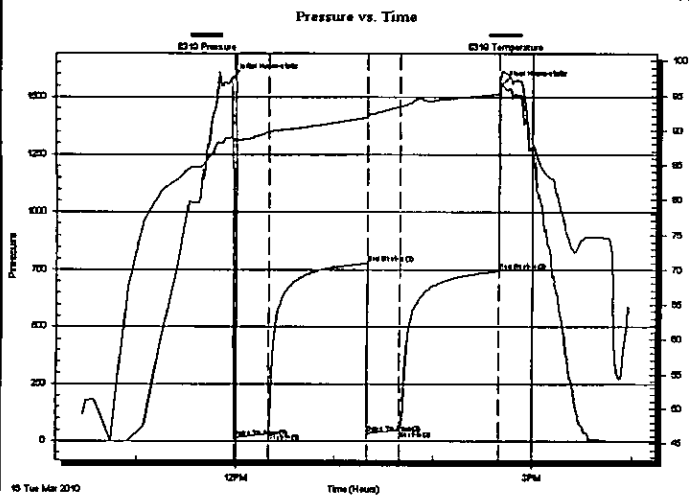
Start Time: **10:27:13**

End Time: **15:58:07**

Time On Btm: **2010.03.16 @ 11:57:38**

Time Off Btm: **2010.03.16 @ 14:41:08**

TEST COMMENT: IF- 3.25in blow
ISI-No blow
FF-1/4in blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.31	88.96	Initial Hydro-static
1	19.38	88.53	Open To Flow (1)
22	33.24	89.71	Shut-In(1)
82	777.98	91.81	End Shut-In(1)
83	35.15	91.71	Open To Flow (2)
102	49.17	93.33	Shut-In(2)
163	743.98	95.31	End Shut-In(2)
164	1553.85	98.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	MCW 20%M 80%W	0.98

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates Inc.
1515 Wynkoop Ste 700
Denver CO 80202
ATTN: Clayton Camozzi

Tuzicka #2-23
23 16 16 Rush KS
Job Ticket: 38239 DST#: 3
Test Start: 2010.03.16 @ 10:27:08

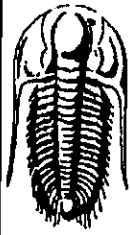
Tool Information

Drill Pipe:	Length: 3316.00 ft	Diameter: 3.80 inches	Volume: 46.51 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3336.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	41.00 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			3310.00	
Shut In Tool	5.00			3315.00	
Hydraulic tool	5.00			3320.00	
Jars	4.00			3324.00	
Safety Joint	3.00			3327.00	
Packer	4.00			3331.00	27.00 Bottom Of Top Packer
Packer	5.00			3336.00	
Stubb	1.00			3337.00	
Perforations	5.00			3342.00	
Recorder	0.00	8319	Inside	3342.00	
Recorder	0.00	8369	Inside	3342.00	
Perforations	5.00			3347.00	
Bullnose	3.00			3350.00	14.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates Inc.

Tuzicka #2-23

1515 Wynkoop Ste 700
Denver CO 80202

23 16 16 Rush KS

Job Ticket: 38239

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2010.03.16 @ 10:27:08

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:

110000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 4900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	MCW 20%M 80%W	0.982

Total Length: 70.00 ft

Total Volume: 0.982 bbl

Num Fluid Samples: 0

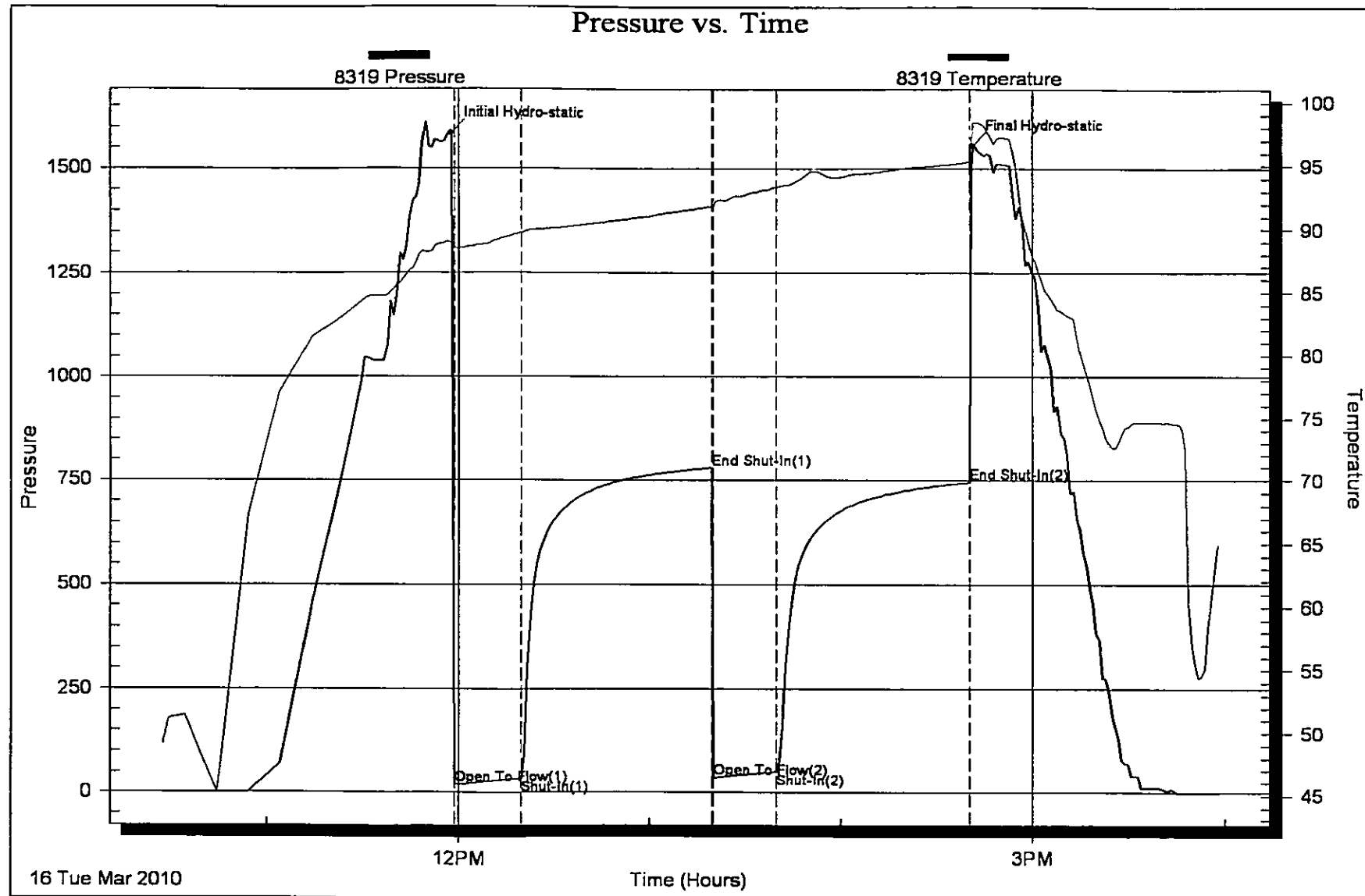
Num Gas Bombs: 0

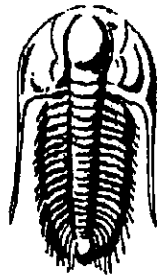
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .08 @ 65F = 110000 ppm chlorides





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates Inc.**

1515 Wynkoop Ste 700
Denver CO 80202

ATTN: Clayton Camozzi

23 16 16 Rush KS

Tuzicka #2-23

Start Date: 2010.03.16 @ 23:45:03

End Date: 2010.03.17 @ 06:08:33

Job Ticket #: 38240 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Samuel Gary Jr & Associates Inc.

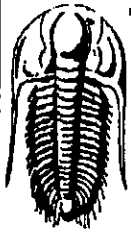
Tuzicka #2-23

23 16 16 Rush KS

DST # 4

KC

2010.03.16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates Inc.

Tuzicka #2-23

1515 Wynkoop Ste 700
Denver CO 80202

23 16 16 Rush KS

Job Ticket: 38240

DST#: 4

ATTN: Clayton Carozzi

Test Start: 2010.03.16 @ 23:45:03

GENERAL INFORMATION:

Formation: **KC**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **01:34:03**
 Time Test Ended: **06:08:33**

Test Type: **Conventional Bottom Hole**
 Tester: **Brett Dickinson**
 Unit No: **47**

Interval: **3368.00 ft (KB) To 3398.00 ft (KB) (TVD)**
 Total Depth: **3398.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition:

Reference Elevations: **1959.00 ft (KB)**
1949.00 ft (CF)
 KB to GR/CF: **10.00 ft**

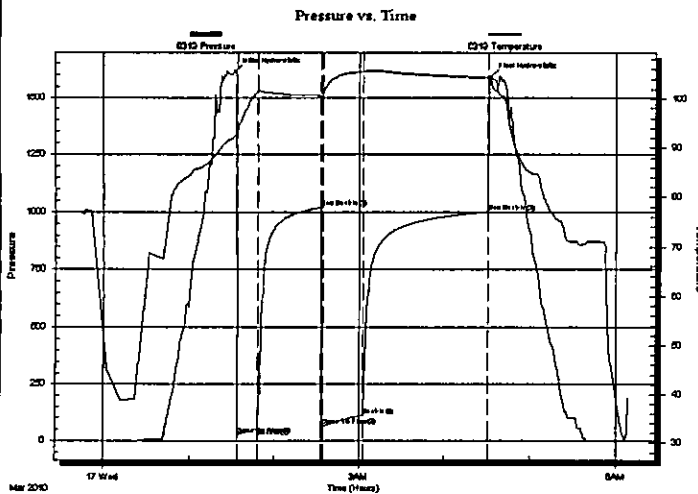
Serial #: 8319

Inside

Press@RunDepth: **110.58 psig @ 3369.00 ft (KB)**
 Start Date: **2010.03.16** End Date: **2010.03.17**
 Start Time: **23:45:08** End Time: **06:08:32**

Capacity: **8000.00 psig**
 Last Calib.: **2010.03.17**
 Time On Btm: **2010.03.17 @ 01:32:03**
 Time Off Btm: **2010.03.17 @ 04:32:32**

TEST COMMENT: IF-BOB in 10min
 ISI-No blow
 FF-9.5in blow
 FSI-No blow



PRESSURE SUMMARY

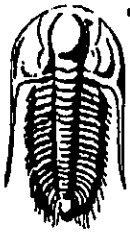
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.05	92.48	Initial Hydro-static
2	24.14	92.92	Open To Flow (1)
16	53.02	101.57	Shut-In(1)
61	1018.87	100.67	End Shut-In(1)
62	60.88	100.68	Open To Flow (2)
91	110.58	105.53	Shut-In(2)
179	1001.06	104.28	End Shut-In(2)
181	1589.70	104.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	WOCM 5%G 10%W 35%O 50%M	0.21
180.00	SMCW 5%M 95%W	2.52

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates Inc.

Tuzicka #2-23

1515 Wynkoop Ste 700
Denver CO 80202

23 16 16 Rush KS

Job Ticket: 38240

DST#: 4

ATTN: Clayton Camozzi

Test Start: 2010.03.16 @ 23:45:03

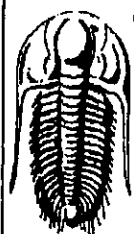
Tool Information

Drill Pipe:	Length: 3368.00 ft	Diameter: 3.80 inches	Volume: 47.24 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3368.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	47.00 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			3342.00	
Shut In Tool	5.00			3347.00	
Hydraulic tool	5.00			3352.00	
Jars	4.00			3356.00	
Safety Joint	3.00			3359.00	
Packer	4.00			3363.00	27.00 Bottom Of Top Packer
Packer	5.00			3368.00	
Stubb	1.00			3369.00	
Recorder	0.00	8319	Inside	3369.00	
Recorder	0.00	8369	Inside	3369.00	
Perforations	16.00			3385.00	
Bullnose	3.00			3388.00	20.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates Inc.
1515 Wynkoop Ste 700
Denver CO 80202
ATTN: Clayton Camozzi

Tuzicka #2-23
23 16 16 Rush KS
Job Ticket: 38240 DST#: 4
Test Start: 2010.03.16 @ 23:45:03

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 8.00 lb/gal	Cushion Length: ft	Water Salinity:	152000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	WOCM 5%G 10%W 35%O 50%M	0.210
180.00	SMCW 5%M 95%W	2.525

Total Length: 195.00 ft Total Volume: 2.735 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW .1 @ 40F = 152000 ppm chlorides

