

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

5/10/12

**CONFIDENTIAL**

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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: TOM FERTAL

Phone: (303) 831-4673  
Contractor: Name: VAL ENERGY  
License: 5822  
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. \_\_\_\_\_

2/16/2010 02/25/2010 \_\_\_\_\_  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 15-159-22603-0000  
County: RICE  
S2 SW NW SE Sec. 4 Twp. 18 S. R. 10  East  West  
1590 feet from SOUTH of Section  
2310 feet from EAST Line of Section

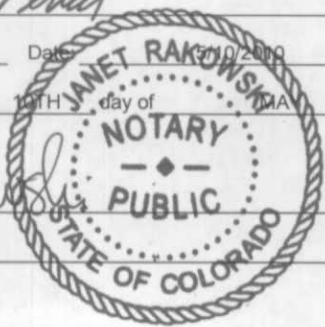
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE  SE NW SW  
Lease Name: KAISER TRUST Well #: 3-4  
Field Name: WILDCAT  
Producing Formation: ARBUCKLE  
Elevation: Ground: 1783' Kelly Bushing: 1793'  
Total Depth: 3380' Plug Back Total Depth: 3380'  
Amount of Surface Pipe Set and Cemented at 350 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** PAWS 1800  
(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: Thomas J Fertal  
Title: SR. GEOLOGIST Date: 5/10/2012  
Subscribed and sworn to before me this 10TH day of MAY,  
2012  
Notary Public: Janet Rakowski  
Date Commission Expires: 06/05/2013



**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
RECEIVED  
MAY  
KCC WICHITA

Operator Name: SAMUEL GARY JR & ASSOCIATES, INC. Lease Name: KAISER TRUST Well #: 3-4

Sec. 4 Twp. 18 S. R. 10  East  West County: RICE

**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	2557'	-764'
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	HEEBNER	2813'	-1020'
List All E. Logs Run:	DUAL INDUCTION DENSITY - NEUTRON SONIC LOG MICROLOG		DOUGLAS	2841'	-1048'
			BRN LIME	2929'	-1136'
			LANSING	2948'	-1155'
			ARBUCKLE	3283'	-1490'
			TD	3345'	

**KCC**  
MAY 12 2010  
**CONFIDENTIAL**

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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"	23	350'	CLASS A	200	2% GEL & 3% CC

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement, Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		0	0		

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>If vented, submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

RECEIVED  
 MAY 14 2010  
**KCC WICHITA**

**ALLIED**  
CEMENTING CO., LLC  
Cementing & Acidizing Services

PO BOX 31 Russell, KS 67665

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

1002-AP-588

3/18

**INVOICE**

Invoice Number: 121713

Invoice Date: Feb 25, 2010

Page: 1

**Bill To:**

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

**KCC**

MAY 12 2010

**CONFIDENTIAL**

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Gary	Kaiser #3-4	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Russell	Feb 25, 2010	3/27/10

Quantity	Item	Description	Unit Price	Amount
93.00	MAT	Class A Common	13.50	1,255.50
62.00	MAT	Pozmxi	7.55	468.10
5.00	MAT	Gel	20.25	101.25
38.00	MAT	Flo Seal	2.45	93.10
77.00	SER	Handling	2.25	173.25
1.00	SER	Handling Mileage Charge	300.00	300.00
1.00	SER	Rotary Plug	990.00	990.00
30.00	SER	Pump Truck Mileage	7.00	210.00

**RECEIVED**  
MAR 09 2010  
SAMUEL GARY JR.  
& ASSOCIATES, INC.

DRLG  COMP  W/O  LOE  GG

AFE # \_\_\_\_\_

ACCT #: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

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

\$ 897.80

ONLY IF PAID ON OR BEFORE  
Mar 22, 2010

Subtotal		3,591.20
Sales Tax		226.25
Total Invoice Amount	<b>RECEIVED</b>	3,817.45
Payment/Credit Applied	<b>MAY 14 2010</b>	
<b>TOTAL</b>	<b>KCC WICHITA</b>	<b>3,817.45</b>

KCC WICHITA

- 897.80  
2,919.65

# ALLIED CEMENTING CO., LLC. 036346

P.O. BOX 31  
RUSSELL, KANSAS 67665

KCC  
MAY 12 2010

SERVICE POINT: Russell

DATE <u>2/25/10</u>	SEC. <u>4</u>	TWP. <u>18</u>	RANGE <u>10</u>	CONFIDENTIAL	ON LOCATION	JOB START <u>11:15 AM</u>	JOB FINISH <u>11:45 AM</u>
LEASE <u>Kaiser</u>	WELL # <u>3-4</u>	LOCATION <u>Claflin Overpass SE</u>			COUNTY <u>Rice</u>	STATE <u>Ks.</u>	
OLD OR NEW (Circle one)		<u>1/2 S Wirtz</u>					

CONTRACTOR Val Drilling Rig #6

TYPE OF JOB Resting Plug

HOLE SIZE 7 7/8" T.D. 3380'

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2" DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 155 gal 4.2 Gal

1/4 # Fl.

COMMON	<u>93</u>	@	<u>13.50</u>	<u>1255.50</u>
POZMIX	<u>62</u>	@	<u>7.55</u>	<u>468.10</u>
GEL	<u>5</u>	@	<u>20.25</u>	<u>101.25</u>
CHLORIDE		@		
ASC		@		
<u>Fl Seal</u>	<u>38</u>	@	<u>2.45</u>	<u>93.10</u>
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>77</u>	@	<u>2.25</u>	<u>173.25</u>
MILEAGE	<u>110/sk/mile</u>			<u>300.00</u>
TOTAL				<u>2391.20</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER John

# 398 HELPER Glenn

BULK TRUCK DRIVER Shane

# 260

BULK TRUCK DRIVER \_\_\_\_\_

# \_\_\_\_\_

**REMARKS:**

3550' 35 sks

1250' 35 sks

900' 35 sks

60' 25 sks

Rat Hole 15 sks

Mouse Hole 10 sks

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 990.00

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 30 @ 7.00 210.00

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

RECEIVED

MAY 14 2010

TOTAL 1200.00

CHARGE TO: Samuel Gray

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

KCC WICHITA  
PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

Dry Hole Plug @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

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

PO BOX 31 Russell, KS 67665

1002-AP-381<sup>3/11</sup>

# INVOICE

KCC

Invoice Number: 121614

MAY 12 2010

Invoice Date: Feb 16, 2010

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

Page: 1

CONFIDENTIAL

**Bill To:**

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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Gary	Kaiser Trust #3-4	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Feb 16, 2010	3/18/10

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 Casing	991.00	991.00
1.00	SER	Pump Truck Mileage	300.00	300.00

RECEIVED

MAR 03 2010

SAMUEL GARY JR.  
& ASSOCIATES, INC.

DRLG  COMP  W/O  LOE  GG

AFE #. \_\_\_\_\_

ACCT #: 8200-138

APPROVED BY: AB

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

\* \$ 1352.92

ONLY IF PAID ON OR BEFORE  
Mar 13, 2010

Subtotal	4,665.25
Sales Tax	180.64
Total Invoice Amount	4,845.89
Payment/Credit Applied	
<b>TOTAL</b>	<b>4,845.89</b>

RECEIVED

MAY 14 2010

KCC WICHITA

-1,352.92  
3,492.97





## DRILL STEM TEST REPORT

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

1515 Wynkoop St  
Suite 700  
Denver, CO 80202

ATTN: Tom Fertal

**4-18s-10w Rice KS**

**KaiserTrust #3-4**

Start Date: 2010.02.20 @ 23:30:37

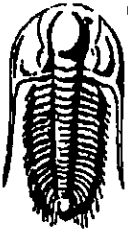
End Date: 2010.02.21 @ 10:21:07

Job Ticket #: 37210                      DST #: 1

KCC  
MAY 12 2010  
CONFIDENTIAL

RECEIVED  
MAY 14 2010  
KCC WICHITA

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Sam Gary Jr & Associates Inc.

1515 Wynkoop St  
Suite 700  
Denver, CO 80202  
ATTN: Tom Fertal

Kaiser Trust #3-4

4-18<sup>1/2</sup>"w, Rice KS

Job Ticket: 37210

DST#: 1

Test Start: 2010.02.20 @ 23:30:37

## GENERAL INFORMATION:

Formation: LKC "F"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:49:37

Time Test Ended: 10:21:07

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: 3017.00 ft (KB) To 3028.00 ft (KB) (TVD)

Total Depth: 3028.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1793.00 ft (KB)

1783.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6669

Outside

Press@RunDepth: 437.90 psig @ 3018.00 ft (KB)

Start Date: 2010.02.20

End Date:

2010.02.21

Start Time: 23:30:38

End Time:

10:21:07

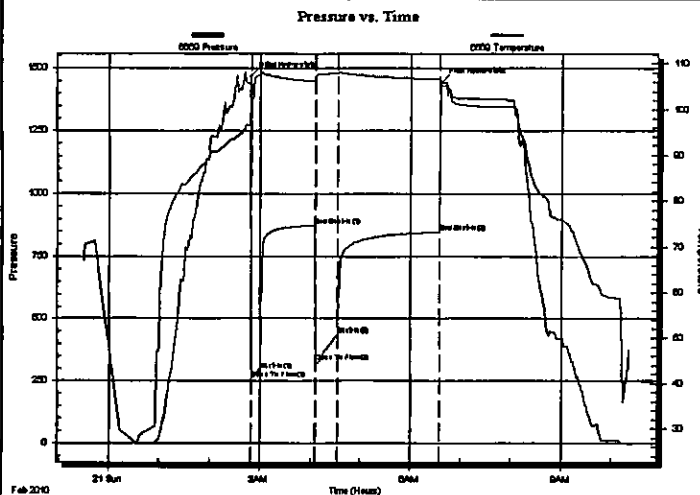
Capacity: 8000.00 psig

Last Calib.: 2010.02.21

Time On Btm: 2010.02.21 @ 02:48:37

Time Off Btm: 2010.02.21 @ 06:36:37

TEST COMMENT: IFP-BOB in 20 sec  
ISI-GTS w hen bled off Weak blow back built to 5" died in 27 min  
FFP-BOB in 10 sec  
FSI-Weak surface blow back built to 1" died in 10 min



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1468.33	96.65	Initial Hydro-static
1	258.12	96.38	Open To Flow (1)
12	295.40	107.65	Shut-in(1)
76	873.79	106.14	End Shut-in(1)
78	327.89	107.08	Open To Flow (2)
105	437.90	107.86	Shut-in(2)
226	846.30	106.60	End Shut-in(2)
228	1446.27	105.23	Final Hydro-static

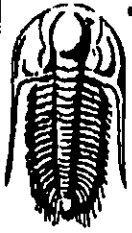
## Recovery

Length (ft)	Description	Volume (bbl)
540.00	Water	7.65
180.00	MW 70%W,30%M	2.55
90.00	Mud	1.28

## Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	30.78
Last Gas Rate	0.25	4.00	29.19
Max. Gas Rate	0.25	12.00	41.88





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Sam Gary Jr & Associates Inc.

KaiserTrust #3-4

1515 Wynkoop St  
Suite 700  
Denver, CO 80202  
ATTN: Tom Fertal

**4-18s-10w Rice KS**  
Job Ticket: 37210      DST#: 1  
Test Start: 2010.02.20 @ 23:30:37

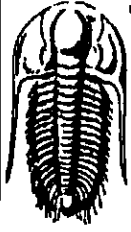
**Tool Information**

Drill Pipe:	Length: 3009.00 ft	Diameter: 3.82 inches	Volume: 42.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 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: 70000.00 lb
			<b>Total Volume: 42.65 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3017.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 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			2990.00	
Shut In Tool	5.00			2995.00	
Hydraulic tool	5.00			3000.00	
Jars	5.00			3005.00	
Safety Joint	2.00			3007.00	
Packer	5.00			3012.00	28.00      Bottom Of Top Packer
Packer	5.00			3017.00	
Stubb	1.00			3018.00	
Recorder	0.00	6668	Inside	3018.00	
Recorder	0.00	6669	Outside	3018.00	
Perforations	7.00			3025.00	
Bullnose	3.00			3028.00	11.00      Bottom Packers & Anchor

**Total Tool Length: 39.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Sam Gary Jr & Associates Inc.

**KaiserTrust #3-4**

1515 Wynkoop St  
Suite 700  
Denver, CO 80202  
ATTN: Tom Fertal

**4-18s-10w Rice KS**  
Job Ticket: 37210      **DST#: 1**  
Test Start: 2010.02.20 @ 23:30:37

**Mud and Cushion Information**

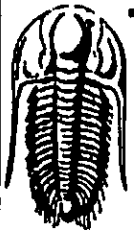
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	27000 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4600.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
540.00	Water	7.655
180.00	MW 70%W,30%M	2.552
90.00	Mud	1.276

Total Length: 810.00 ft      Total Volume: 11.483 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW.31 @ 57F = 27000 chlorides



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Sam Gary Jr & Associates Inc.

KaiserTrust #3-4

1515 Wynkoop St  
Suite 700  
Denver, CO 80202  
ATTN: Tom Fertal

4-18s-10w Rice KS

Job Ticket: 37210

DST#: 1

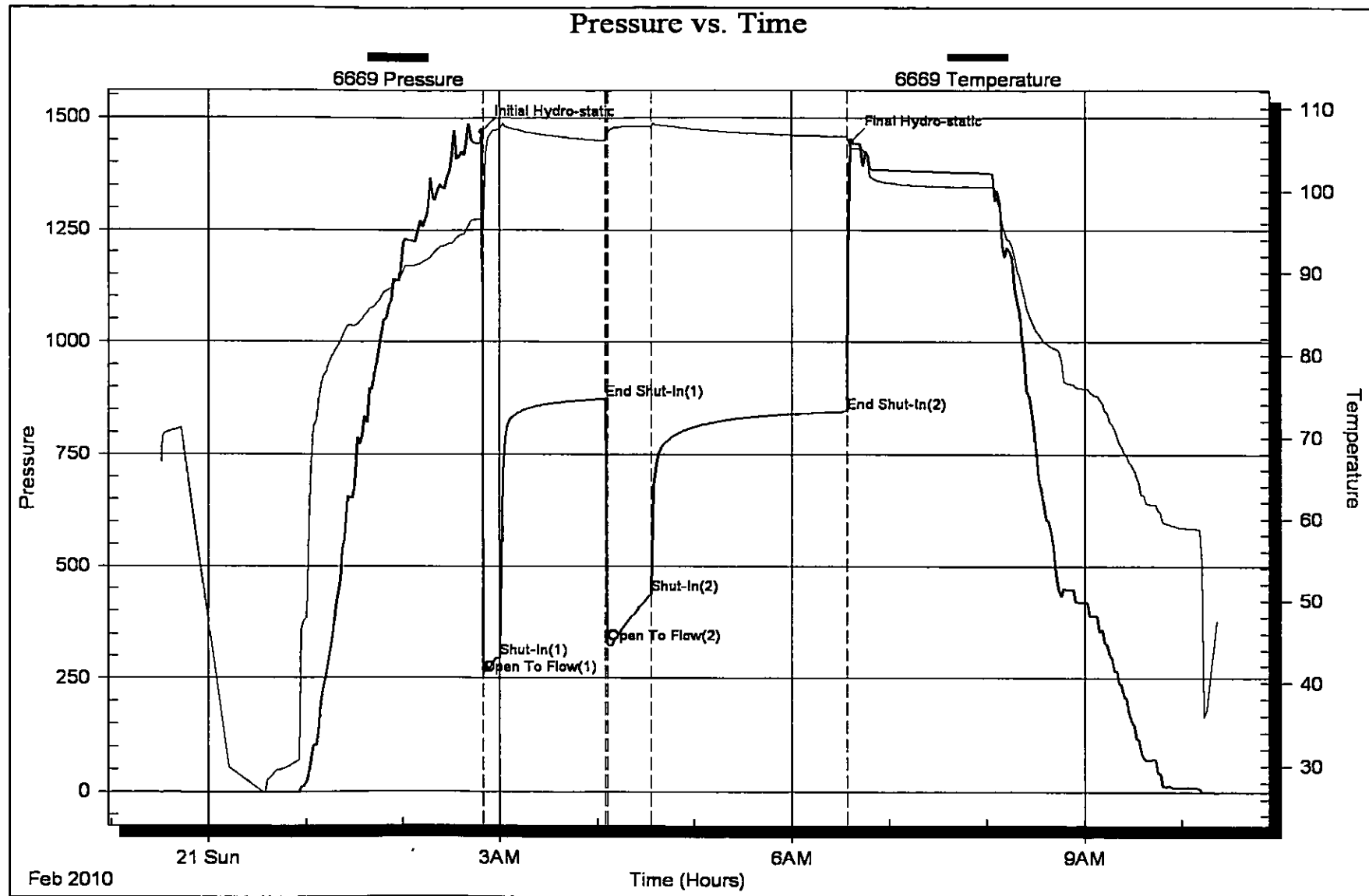
Test Start: 2010.02.20 @ 23:30:37

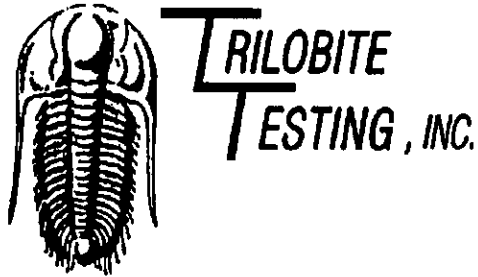
## Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	5	0.25	5.00	30.78
2	5	0.25	5.00	30.78
2	10	0.25	12.00	41.88
2	15	0.25	12.00	41.88
2	20	0.25	8.00	35.54
2	25	0.25	4.00	29.19





## DRILL STEM TEST REPORT

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

1515 Wynkoop St  
Suite 700  
Denver, CO 80202

ATTN: Tom Fertal

**4-18s-10w Rice KS**

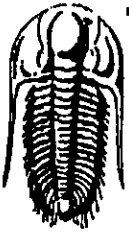
**KaiserTrust #3-4**

Start Date: 2010.02.22 @ 02:46:17

End Date: 2010.02.22 @ 10:41:17

Job Ticket #: 37211                      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

Sam Gary Jr & Associates Inc.

KaiserTrust #3-4

1515 Wynkoop St  
Suite 700  
Denver, CO 80202  
ATTN: Tom Fertal

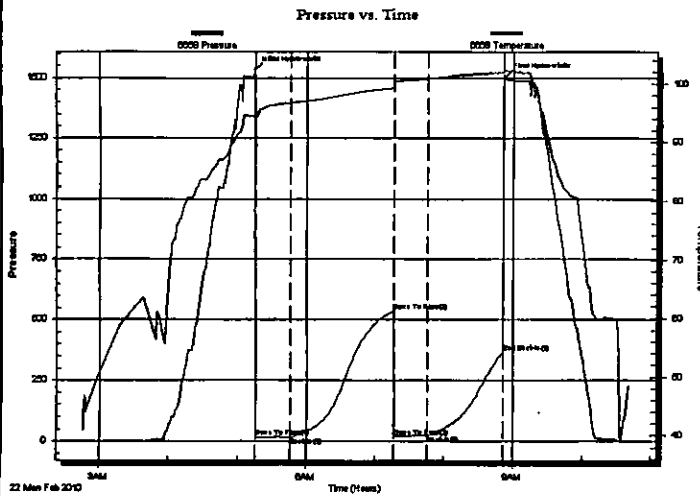
4-18s-10w Rice KS  
Job Ticket: 37211      DST#: 2  
Test Start: 2010.02.22 @ 02:46:17

## GENERAL INFORMATION:

Formation: LKC "I"  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 05:15:47  
Time Test Ended: 10:41:17  
Interval: 3119.00 ft (KB) To 3129.00 ft (KB) (TVD)  
Total Depth: 3129.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Tyson Flax  
Unit No: 44  
Reference Elevations: 1793.00 ft (KB)  
1783.00 ft (CF)  
KB to GR/CF: 10.00 ft

Serial #: 6668      Inside  
Press@RunDepth: 17.08 psig @ 3120.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.02.22      End Date: 2010.02.22      Last Calib.: 2010.02.22  
Start Time: 02:46:18      End Time: 10:41:17      Time On Btm: 2010.02.22 @ 05:14:47  
Time Off Btm: 2010.02.22 @ 08:53:17

TEST COMMENT: IFP-Weak surface blow built to 2"  
ISI-no blow back  
FFP-Weak surface blow built to 1"  
FSI-no blow back



## PRESSURE SUMMARY

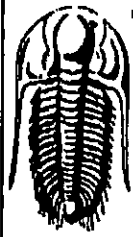
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1531.74	94.34	Initial Hydro-static
1	14.99	94.17	Open To Flow (1)
31	17.08	96.80	Shut-In(1)
121	535.43	99.32	Open To Flow (2)
122	15.95	100.48	Open To Flow (3)
151	23.10	100.92	Shut-In(2)
217	366.28	101.89	End Shut-In(1)
219	1503.75	102.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM 5%O,95%M	0.21

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Associates Inc.

KaiserTrust #3-4

1515 Wynkoop St  
Suite 700  
Denver, CO 80202  
ATTN: Tom Fertal

4-18s-10w Rice KS

Job Ticket: 37211

DST#: 2

Test Start: 2010.02.22 @ 02:46:17

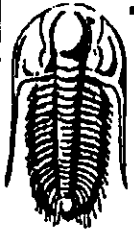
### Tool Information

Drill Pipe:	Length: 3103.00 ft	Diameter: 3.82 inches	Volume: 43.99 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 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: 70000.00 lb
			<u>Total Volume: 43.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3119.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 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			3092.00	
Shut In Tool	5.00			3097.00	
Hydraulic tool	5.00			3102.00	
Jars	5.00			3107.00	
Safety Joint	2.00			3109.00	
Packer	5.00			3114.00	28.00 Bottom Of Top Packer
Packer	5.00			3119.00	
Stubb	1.00			3120.00	
Recorder	0.00	6668	Inside	3120.00	
Recorder	0.00	6669	Outside	3120.00	
Perforations	6.00			3126.00	
Bullnose	3.00			3129.00	10.00 Bottom Packers & Anchor

**Total Tool Length: 38.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Sam Gary Jr & Associates Inc.

KaiserTrust #3-4

1515 Wynkoop St  
Suite 700  
Denver, CO 80202  
ATTN: Tom Fertal

4-18s-10w Rice KS

Job Ticket: 37211

DST#: 2

Test Start: 2010.02.22 @ 02:46:17

## 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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	SOCM 5%O,95%M	0.213

Total Length: 15.00 ft

Total Volume: 0.213 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

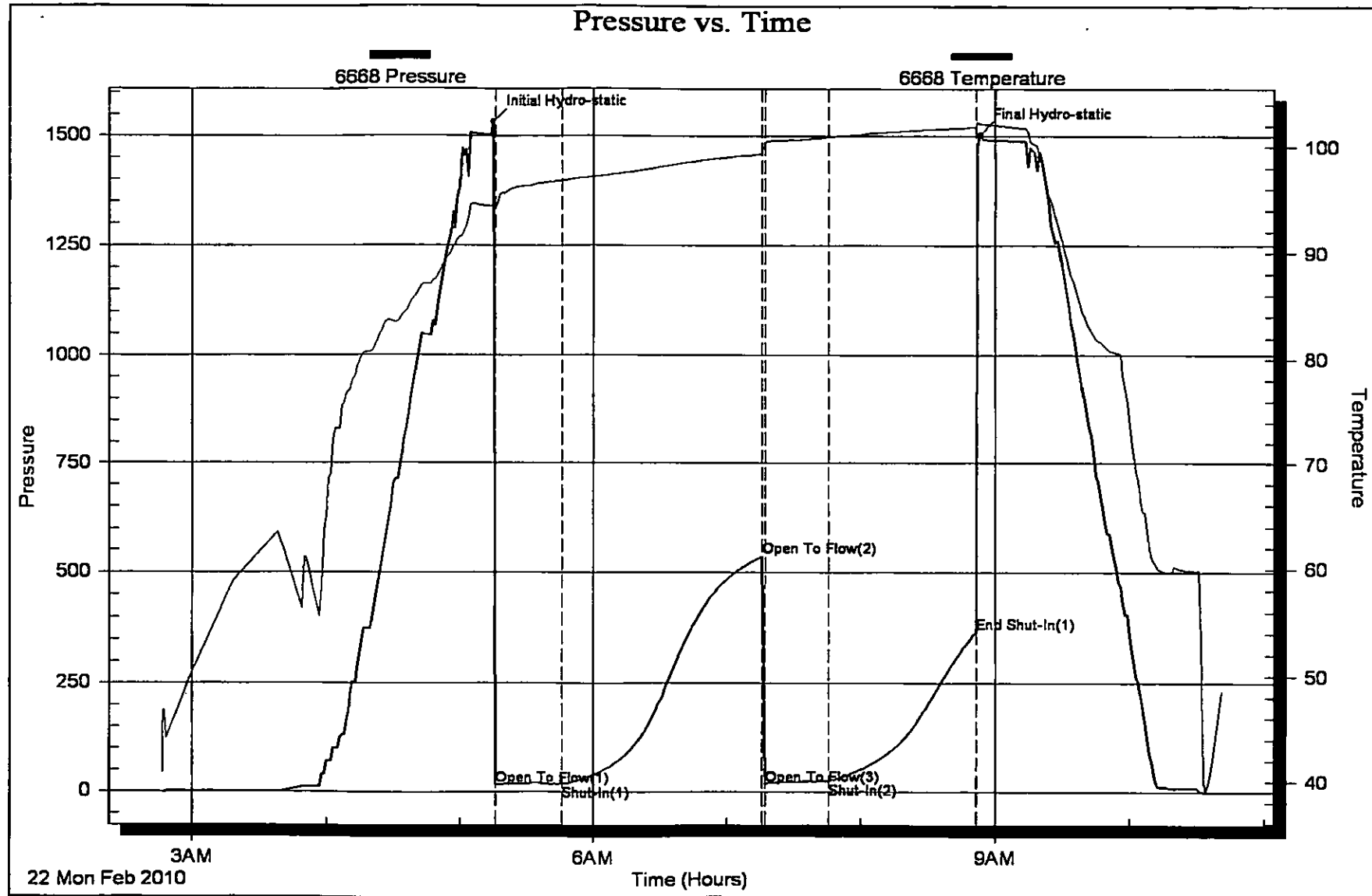
Serial #:

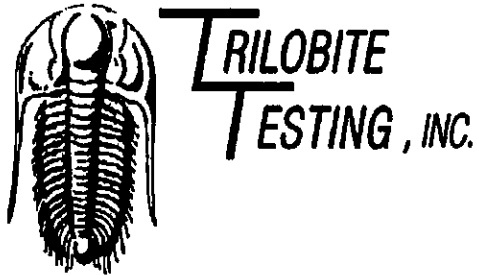
Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

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

1515 Wynkoop St  
Suite 700  
Denver, CO 80202

ATTN: Tom Fertal

**4-18s-10w Rice KS**

**KaiserTrust #3-4**

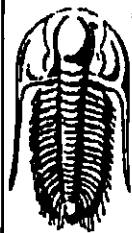
Start Date: 2010.02.23 @ 01:27:01

End Date: 2010.02.23 @ 09:20:01

Job Ticket #: 37212                      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

TOOL DIAGRAM

Sam Gary Jr & Associates Inc.

KaiserTrust #3-4

1515 Wynkoop St  
Suite 700  
Denver, CO 80202  
ATTN: Tom Fertal

4-18s-10w Rice KS

Job Ticket: 37212

DST#: 3

Test Start: 2010.02.23 @ 01:27:01

## Tool Information

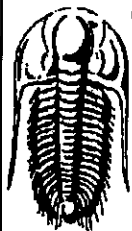
Drill Pipe:	Length: 3197.00 ft	Diameter: 3.82 inches	Volume: 45.32 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 45.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3212.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	40.00 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			3185.00	
Shut In Tool	5.00			3190.00	
Hydraulic tool	5.00			3195.00	
Jars	5.00			3200.00	
Safety Joint	2.00			3202.00	
Packer	5.00			3207.00	28.00 Bottom Of Top Packer
Packer	5.00			3212.00	
Stubb	1.00			3213.00	
Recorder	0.00	6668	Inside	3213.00	
Recorder	0.00	6669	Outside	3213.00	
Perforations	8.00			3221.00	
Bullnose	3.00			3224.00	12.00 Bottom Packers & Anchor

**Total Tool Length: 40.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Sam Gary Jr & Associates Inc.

KaiserTrust #3-4

1515 Wynkoop St  
Suite 700  
Denver, CO 80202  
ATTN: Tom Fertal

4-18s-10w Rice KS  
Job Ticket: 37212      DST#: 3  
Test Start: 2010.02.23 @ 01:27:01

### Mud and Cushion Information

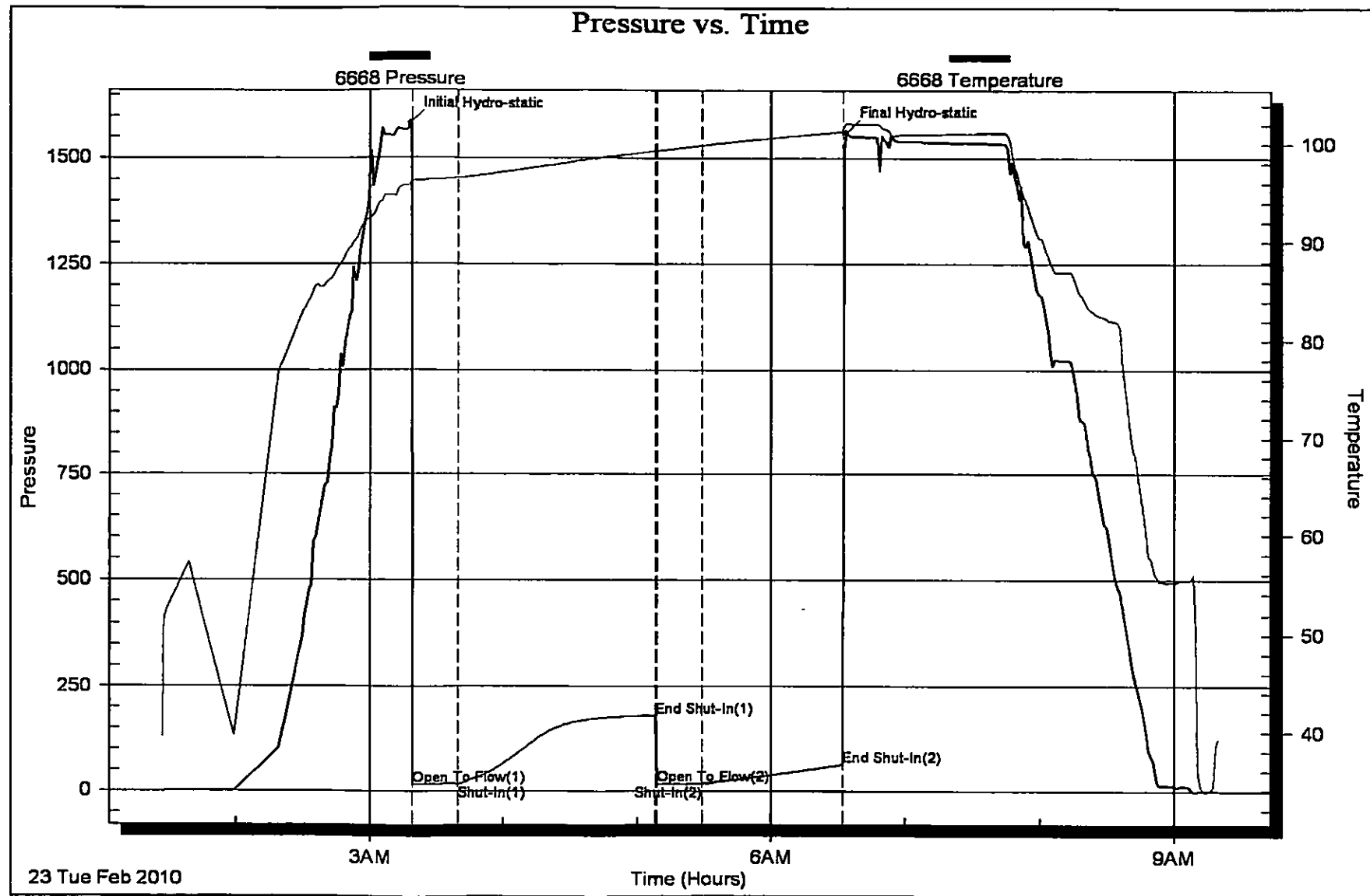
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: inches			

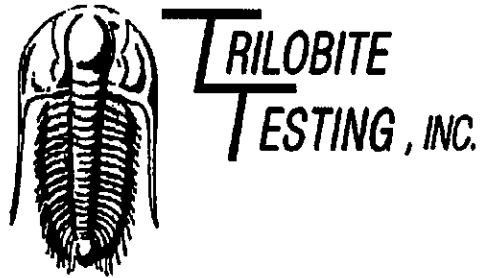
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 10%O,90%M	0.071

Total Length: 5.00 ft      Total Volume: 0.071 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





## DRILL STEM TEST REPORT

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

1515 Wynkoop St  
Suite 700  
Denver, CO 80202

ATTN: Tom Fertal

**4-18s-10w Rice KS**

**KaiserTrust #3-4**

Start Date: 2010.02.23 @ 23:00:57

End Date: 2010.02.24 @ 08:32:57

Job Ticket #: 37213                      DST #: 4

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Sam Gary Jr & Associates Inc.

KaiserTrust #3-4

1515 Wynkoop St  
Suite 700  
Denver, CO 80202  
ATTN: Tom Fertal

**4-18s-10w Rice KS**  
Job Ticket: 37213      DST#: 4  
Test Start: 2010.02.23 @ 23:00:57

### Tool Information

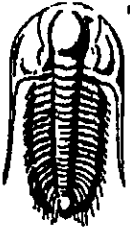
Drill Pipe:	Length: 3227.00 ft	Diameter: 3.82 inches	Volume: 45.74 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<b>Total Volume: 45.74 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3239.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3212.00	
Shut In Tool	5.00			3217.00	
Hydraulic tool	5.00			3222.00	
Jars	5.00			3227.00	
Safety Joint	2.00			3229.00	
Packer	5.00			3234.00	28.00      Bottom Of Top Packer
Packer	5.00			3239.00	
Stubb	1.00			3240.00	
Perforations	5.00			3245.00	
Change Over Sub	1.00			3246.00	
Recorder	0.00	6668	Inside	3246.00	
Recorder	0.00	6669	Outside	3246.00	
Blank Spacing	32.00			3278.00	
Change Over Sub	1.00			3279.00	
Perforations	11.00			3290.00	
Bullnose	3.00			3293.00	54.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>82.00</b>				





**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Sam Gary Jr & Associates Inc.

KaiserTrust #3-4

1515 Wynkoop St  
Suite 700  
Denver, CO 80202  
ATTN: Tom Fertal

4-18s-10w Rice KS  
Job Ticket: 37213      DST#: 4  
Test Start: 2010.02.23 @ 23:00:57

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6700.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Mud	1.701
10.00	Mud w /scum of oil	0.142

Total Length: 130.00 ft      Total Volume: 1.843 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

