

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

9/13/12

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: THOMAS G. FERTAL
 Phone: (303) 831-4673
 Contractor: Name: SOUTHWIND
 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. _____
 _____ 05/19/10 _____ 5/27/10 _____ 06/03/10
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

SEP 13 2010
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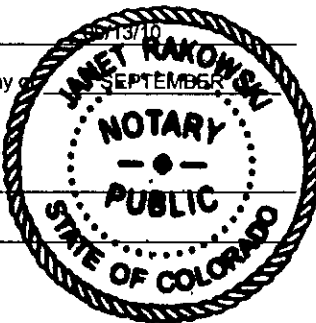
API No. 15 - 15-009-25417-0000
 County: BARTON
 SW SE NW SW Sec. 7 Twp. 16 S. R. 15 East West
1580 feet from SOUTH Line of Section
925 feet from WEST Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW **SW**
 Lease Name: BERGANN Well #: 1-7
 Field Name: WILDCAT
 Producing Formation: LANSING
 Elevation: Ground: 1913' Kelly Bushing: 1923'
 Total Depth: 3648' Plug Back Total Depth: 3623'
 Amount of Surface Pipe Set and Cemented at 1018' 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 ATTEN 9-15-10
 (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 G Fertal
 Title: SR. GEOLOGIST Date: 9/13/10
 Subscribed and sworn to before me this 13TH day of SEPTEMBER
2010
 Notary Public: Janet Rakowski
 Date Commission Expires: 06/05/2013



KCC Office Use ONLY
 Letter of Confidentiality Attached 9/13/10 - 9/13/12
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

RECEIVED
 SEP 14 2010
 KCC WICHITA

Operator Name: SAMUEL GARY JR & ASSOCIATES, INC. Lease Name: BERGANN Well #: 1-7

Sec. 7 Twp. 16 S. R. 15 East West County: BARTON

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Sample Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: DUAL INDUCTION DENSITY - NEUTRON SONIC LOG MICROLOG	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border: none;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>TOPEKA</td> <td>2906'</td> <td>-983'</td> </tr> <tr> <td>HEEBNER</td> <td>3138'</td> <td>-1215'</td> </tr> <tr> <td>DOUGLAS</td> <td>3171'</td> <td>-1248'</td> </tr> <tr> <td>LANSING</td> <td>3198'</td> <td>-1275'</td> </tr> <tr> <td>ARBUCKLE</td> <td>3475'</td> <td>-1552'</td> </tr> <tr> <td>TD</td> <td>3648'</td> <td></td> </tr> </table> <div style="text-align: center; font-weight: bold; font-size: 1.2em;"> RECEIVED SEP 14 2010 KCC WICHITA </div> <div style="text-align: right; font-weight: bold; font-size: 1.2em;"> SEP 13 2010 CONFIDENTIAL </div>	Name	Top	Datum	TOPEKA	2906'	-983'	HEEBNER	3138'	-1215'	DOUGLAS	3171'	-1248'	LANSING	3198'	-1275'	ARBUCKLE	3475'	-1552'	TD	3648'	
Name	Top	Datum																				
TOPEKA	2906'	-983'																				
HEEBNER	3138'	-1215'																				
DOUGLAS	3171'	-1248'																				
LANSING	3198'	-1275'																				
ARBUCKLE	3475'	-1552'																				
TD	3648'																					

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"	23	1018'	CLASS A	400	2% GEL & 3% CC
PRODUCTION	7-7/8"	5-1/2"	15.5	3645'	60/40 POZ ECON-O-BOND	25 125	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 Specify Footage of Each Interval Perforated	Acid. Fracture, Shot, Cement, Squeeze Record (Amount and Kind of Material Used)	
			Depth
4	3218'-22'	500 gallons of 20% MCA w/ 3% MAS	3218'-22'
4	3378'-81'	500 gallons of 20% MCA w/ 3% MAS	3378'-81'
4	3402'-08'	500 gallons of 20% MCA w/ 3% MAS	3402'-08'

TUBING RECORD	Size 2-7/8"	Set At 3590'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 7/5/2010		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. 10	Gas Mcf 0	Water Bbls. 20	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 3218'-3408' OA
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PAGE 1 of 2	CUST NO 1003682	INVOICE DATE 05/28/2010
INVOICE NUMBER 1718 - 90326605		

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 Bergann 1-7
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40188400	27463		Net - 30 days	06/27/2010
For Service Dates: 05/27/2010 to 05/27/2010				
0040188400				
171801808A Cement-New Well Casing/Pi 05/27/2010 CNW-5 1/2" Longstring				
Cement	75.00	EA	7.32	548.97 T
60/40 POZ				
Cement	125.00	EA	6.71	838.70 T
50/50 POZ				
Additives	31.00	EA	2.26	69.96 T
Cello-flake				
Calcium Chloride	210.00	EA	0.64	134.50 T
Calcium Chloride				
Additives	625.00	EA	0.46	285.92 T
Cal-Set				
Additives	104.00	EA	4.57	475.77 T
FLA-322				
Additives	210.00	EA	0.15	32.02 T
Cement Gel				
Additives	1,000.00	EA	0.41	408.67 T
Gilsonite				
Additives	4.00	EA	21.35	85.39 T
CS-1L, KCl Substitute				
Additives	500.00	EA	0.93	466.62 T
Super Flush II				
Cement Float Equipment	1.00	EA	243.99	243.99
Latch Down Plug & Baffle				
Cement Float Equipment	1.00	EA	219.59	219.59
Auto Fill Float Shoe				
Cement Float Equipment	8.00	EA	67.10	536.77
Turbolizer				
Mileage	170.00	MI	4.27	725.86
Heavy Equipment Mileage				
Mileage	723.00	MI	0.98	705.60

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 JUN 03 2010

DBLG COMP W/O LOE
 AFE # _____
 ACCT # 4200.138
 APPROVED BY _____

SAMUEL GARY JR.
 & ASSOCIATES, INC.



PAGE 2 of 2	CUST NO 1003682	INVOICE DATE 05/28/2010
INVOICE NUMBER 1718 - 90326605		

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 Bergann 1-7
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40188400	27463		Net - 30 days	06/27/2010

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Proppant & Bulk Delivery Charges				
Mileage	200.00	MI	0.85	170.79
Blending & Mixing Service Charge				
Pickup	85.00	HR	2.59	220.35
Unit Mileage Charge-Pickups, Vans & Cars				
Pump Charge-Hourly	1.00	HR	1,317.52	1,317.52
Depth Charge; 3001'-4000'				
Extra Equipment	1.00	EA	121.99	121.99
Casing Swivel Rental				
Cementing Head w/Manifold	1.00	EA	152.49	152.49
Plug Container Utilization Charge				
Supervisor	1.00	HR	106.74	106.74
Service Supervisor				

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PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	7,868.21
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	210.83
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	8,079.04
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASIC

ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

001111400
FIELD SERVICE TICKET

1718 1808 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>5-27-10</u> DISTRICT <u>KANSAS</u>		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 <u>Samuel Gary Jr + ASSC. INC.</u>		LEASE <u>Bergann</u> 1-7 WELL NO.							
ADDRESS		COUNTY <u>Barton</u> 7-16-15 STATE <u>KANSAS</u>							
CITY STATE		SERVICE CREW <u>A. Werth, C. Veach, M. Flores</u>							
AUTHORIZED BY		JOB TYPE: <u>5 1/2" L.S.</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
<u>28443 P.U.</u>	<u>1</u>						<u>5-27-10</u>		<u>9:00</u>
<u>27463 PT</u>	<u>1</u>					ARRIVED AT JOB	<u>5-27-10</u>	<u>(PM)</u>	<u>12:50</u>
<u>19831-19862</u>	<u>1</u>					START OPERATION	<u>5-27-10</u>	<u>(PM)</u>	<u>5:30</u>
						FINISH OPERATION	<u>5-27-10</u>	<u>(AM)</u>	<u>6:30</u>
						RELEASED	<u>5-27-10</u>	<u>(AM)</u>	<u>7:30</u>
						MILES FROM STATION TO WELL	<u>85 miles</u>		

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
CP103	60/40 Poz		75-SK		\$ 900.00
CP104	50/50 Poz		125-SK		\$ 1375.00
CC102	cell flake		31-lb		\$ 114.70
CC109	calcium chloride		210-lb		\$ 220.50
CC113	cal-set		625-lb		\$ 468.75
CC129	FIA-322		104-lb		\$ 780.00
CC200	cement Gel		210-lb		\$ 52.50
CC201	Bilsonite		1000-lb		\$ 670.00
CF607	latchdown Plyc + Baffle 5 1/2" Blue		1-CN		\$ 400.00
CF1351	Auto Fill float shoe 5 1/2" (Blue)		1-CN		\$ 360.00
CF1651	Turbulizer 5 1/2" (Blue)		8-CN		\$ 880.00
C704	CS-16 KCL sub		4-gal		\$ 140.00
CC135	super flush #		500-gal		\$ 760.00

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SUB TOTAL

DLS

CHEMICAL / ACID DATA:

SEP 14 2010

KCG WICHITA

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

TOTAL

SERVICE REPRESENTATIVE Alexander Werth

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

(WELL OWNER, OPERATOR OR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



QUALITY OILWELL CEMENTING, INC.
 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net
 Pratt Location 620-388-5422

Date: 5/21/2010
 Invoice # 3770
 P.O.#:
 Due Date: 6/21/2010
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 P.O. BOX 448
 RUSSELL KS 67665

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Reference:
 BERGANN 1-7

Description of Work:
 LONG SURFACE JOB

Services / Items Included:	Item	Quantity
	Surface Job	1
Pump Truck Mileage-from Job location to Nearest Camp		22
Premium Gel (Bentonite)		8
Common-Class A		400
Calcium Chloride		14
Bulk Truck Mileage-from Job location to Nearest Bulk Plant		22
Bulk Truck Material-Material Service Charge		422
Baffle Plate Aluminum, 8 5/8"		1
8 5/8" Top Rubber Plug		1

Item	Quantity
8 5/8" Centralizer	3
8 5/8" Basket	3

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Invoice Terms:
 Net 30

Quoted by: Dave Funk
 SubTotal: \$ 7,663.84
 Discount Available ONLY if Invoice is Paid &
 Received within listed terms of invoice: \$ (1,149.58)

Total: \$ 6,514.26
 Tax: \$ 217.13
 \$ 6,731.39

Applied Payments:
 Balance Due: \$ 6,731.39

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

*price includes 2 hrs day light
 Rig time deducted off*

DRLG COMP W/O LOE

AFE # _____

ACCT # 8200-136

APPROVED BY [Signature]

QUALITY OILWELL CEMENTING, INC.

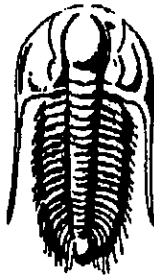
Phone 785-483-2025
Cell 785-324-1041

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

(Russell)

No. 3770

Date 5-20-2010		Sec. 7	Twp. 16	Range 15	County Barton	State Ks	On Location	Finish 2:00 PM
Lease Beggan		Well No. #1-7		Location Carbam, Ks S to CL, 1/2 E, 1 1/2 S, W/S				
Contractor Southwind Rig #1					Owner 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.			
Type Job Surface		T.D. 1025'		Charge To Sam Gary				
Hole Size 12 1/4"		Depth 1021.39		Street				
Csg. 8 5/8" 23# New		Depth		City				
Tbg. Size		Depth		State				
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg. 36.18		Shoe Joint 36.18		CEMENT				
Meas Line		Displace 62 3/4		Amount Ordered 400 sx Common 3% CC 2% Gel				
EQUIPMENT				Common 400 sx				
Pumptrk 1	No.	Cementer Brandon	6 1/2 hrs OT	Poz. Mix				
Bulktrk 12	No.	Driver Rocky	6 1/2 hrs	Gel. 8 sx				
Bulktrk pickyp	No.	Driver Rick	8 hrs	Calcium 8 14				
JOB SERVICES & REMARKS				Hulls				
Remarks: #9 Nealle 1 hr OT				Salt				
Cement did Circulate				Flowseal				
				RECEIVED				
				SEP 14 2010				
				Handling 422 KCC WICHITA				
				Mileage				
				FLOAT EQUIPMENT				
				Guide Shoe				
2 Hr D@work @ 275				Centralizer 3 - 8 3/8"				
				Baskets 3 - 8 5/8"				
				AFU Inserts				
				1- 8 5/8" Baffle plate				
				1- 8 5/8" Rubber plug				
				Pumptrk Charge Long Surface				
				Mileage 22				
				Tax				
				Discount				
				Total Charge				
<div style="display: flex; justify-content: space-between;"> X Signature </div>								



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

1515 Wynkoop
Ste 700
Denver CO 80202

ATTN: Tom Fertal

7 16s 15w Barton KS

Bergann #1-7

Start Date: 2010.05.23 @ 20:25:21

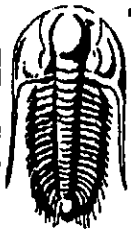
End Date: 2010.05.24 @ 03:20:45

Job Ticket #: 38572 DST #: 1

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates Inc.

Bergann #1-7

1515 Wynkoop
Ste 700
Denver CO 80202
ATTN: Tom Fertal

7 16s 15w Barton KS

Job Ticket: 38572 **DST#: 1**

Test Start: 2010.05.23 @ 20:25:21

Tool Information

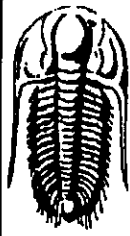
Drill Pipe:	Length: 3187.00 ft	Diameter: 3.80 inches	Volume: 44.71 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 44.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3207.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.02 ft			
Tool Length:	72.02 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			3180.00	
Shut In Tool	5.00			3185.00	
Hydraulic tool	5.00			3190.00	
Jars	5.00			3195.00	
Safety Joint	2.00			3197.00	
Packer	5.00			3202.00	28.00 Bottom Of Top Packer
Packer	5.00			3207.00	
Stubb	1.00			3208.00	
Perforations	8.00			3216.00	
Recorder	0.01	8365	Inside	3216.01	
Recorder	0.01	6625	Outside	3216.02	
Blank Spacing	32.00			3248.02	
Bullnose	3.00			3251.02	44.02 Bottom Packers & Anchor

Total Tool Length: 72.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates Inc.

Bergann #1-7

1515 Wynkoop
Ste 700
Denver CO 80202
ATTN: Tom Fertal

7 16s 15w Barton KS
Job Ticket: 38572 DST#: 1
Test Start: 2010.05.23 @ 20:25:21

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.88 in³
Resistivity: ohm.m
Salinity: 8500.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: 38000 ppm

Recovery Information

Recovery Table

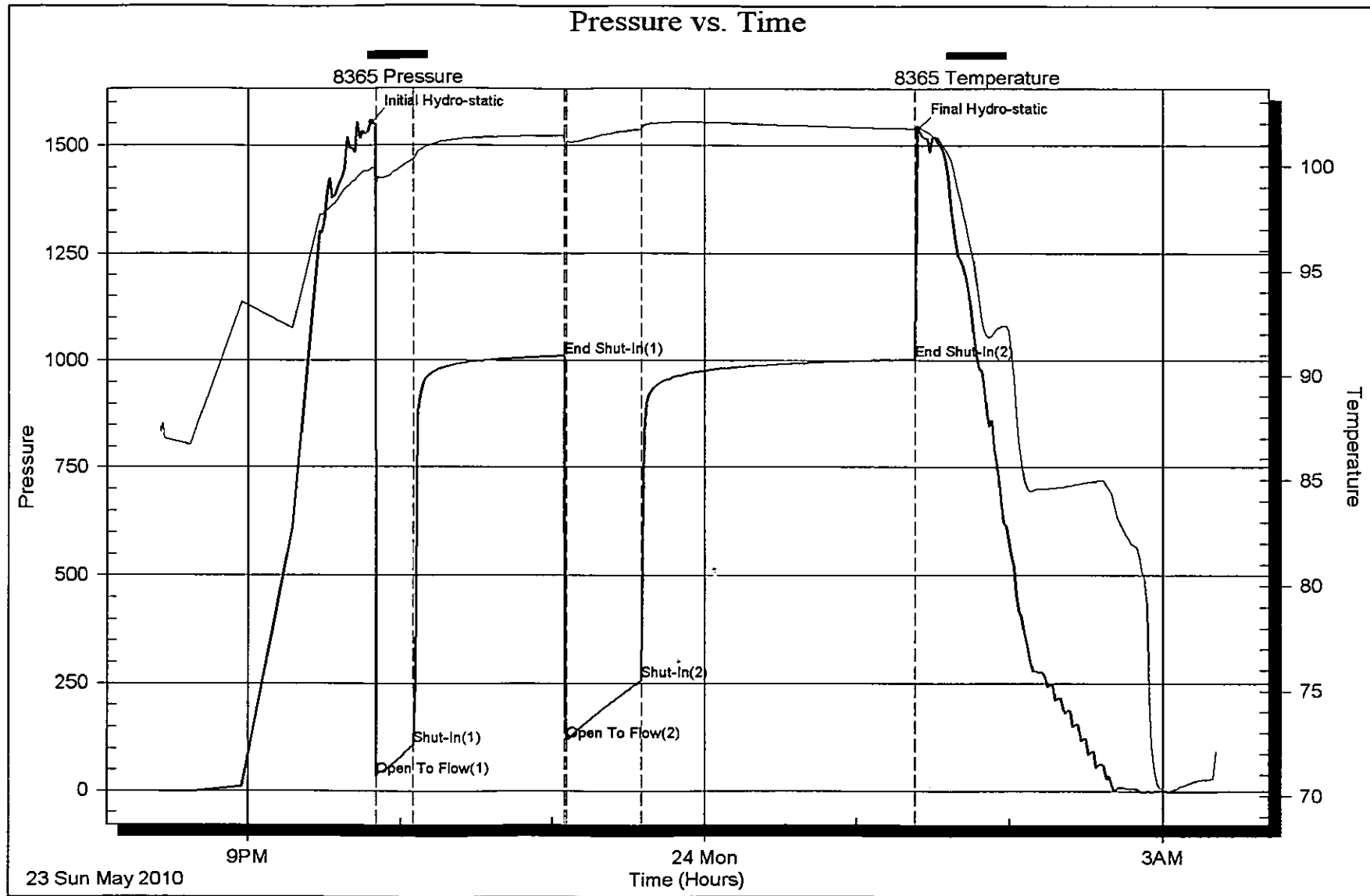
Length ft	Description	Volume bbl
0.00	650'GIP	0.000
90.00	MGO 20%G40%O10%W30%M	1.262
62.00	GM&WCO 10%G55%O25%W10%M	0.870
124.00	SO&GCW 10%G2%O88%W	1.739
248.00	Water	3.479

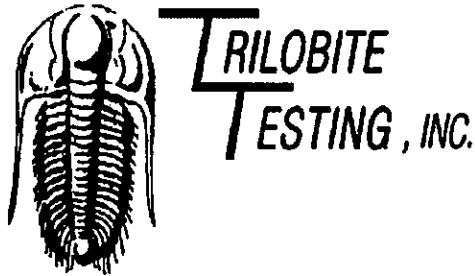
Total Length: 524.00 ft Total Volume: 7.350 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW.2@65F





DRILL STEM TEST REPORT

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

1515 Wynkoop
Ste 700
Denver CO 80202

ATTN: Tom Fertal

7 16s 15w Barton KS

Bergann #1-7

Start Date: 2010.05.24 @ 15:51:01

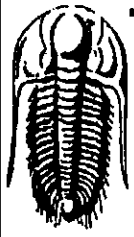
End Date: 2010.05.24 @ 20:33:55

Job Ticket #: 38573 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

TOOL DIAGRAM

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

Bergann #1-7
7 16s 15w Barton KS
Job Ticket: 38573 DST#: 2
Test Start: 2010.05.24 @ 15:51:01

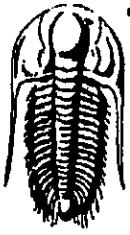
Tool Information

Drill Pipe:	Length: 3289.00 ft	Diameter: 3.80 inches	Volume: 46.14 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 46.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3312.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.02 ft			
Tool Length:	46.02 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			3285.00	
Shut In Tool	5.00			3290.00	
Hydraulic tool	5.00			3295.00	
Jars	5.00			3300.00	
Safety Joint	2.00			3302.00	
Packer	5.00			3307.00	28.00 Bottom Of Top Packer
Packer	5.00			3312.00	
Stubb	1.00			3313.00	
Recorder	0.01	8365	Inside	3313.01	
Recorder	0.01	6625	Outside	3313.02	
Perforations	14.00			3327.02	
Bullnose	3.00			3330.02	18.02 Bottom Packers & Anchor

Total Tool Length: 46.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates Inc.

Bergann #1-7

1515 Wynkoop
Ste 700
Denver CO 80202
ATTN: Tom Fertal

7 16s 15w Barton KS

Job Ticket: 38573 **DST#: 2**
Test Start: 2010.05.24 @ 15:51:01

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

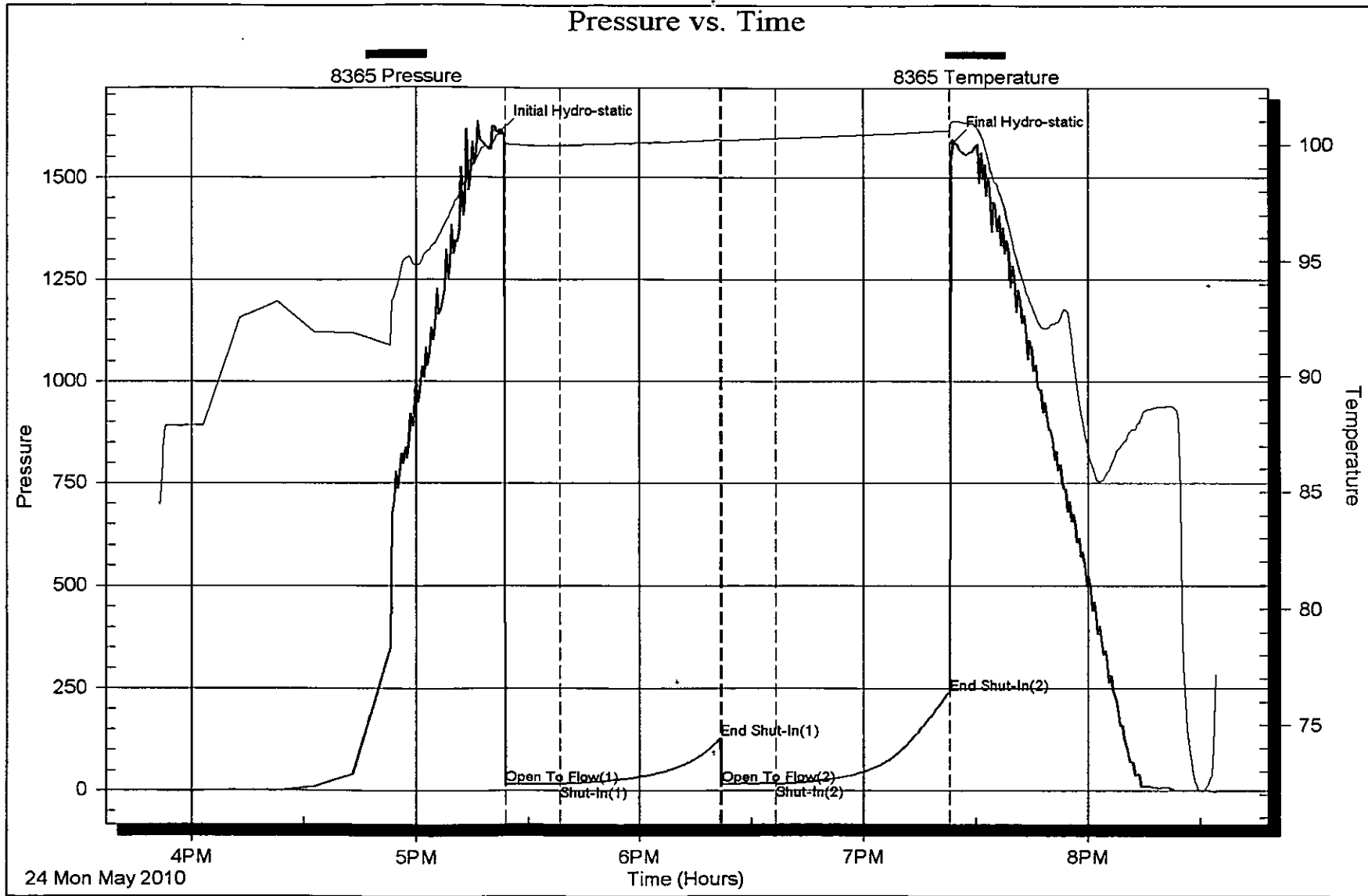
Length ft	Description	Volume bbl
1.00	Mud	0.014

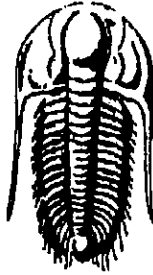
Total Length: 1.00 ft Total Volume: 0.014 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

1515 Wynkoop
Ste 700
Denver CO 80202

ATTN: Tom Fertal

7 16s 15w Barton KS

Bergann #1-7

Start Date: 2010.05.25 @ 03:56:05

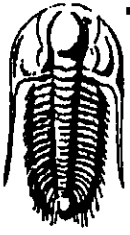
End Date: 2010.05.25 @ 10:43:29

Job Ticket #: 38574 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

Samuel Gary Jr & Associates Inc.

Bergann #1-7

1515 Wynkoop
Ste 700
Denver CO 80202
ATTN: Tom Fertal

7 16s 15w Barton KS

Job Ticket: 38574 **DST#: 3**
Test Start: 2010.05.25 @ 03:56:05

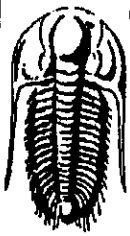
Tool Information

Drill Pipe:	Length: 3320.00 ft	Diameter: 3.80 inches	Volume: 46.57 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 46.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3325.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.02 ft			
Tool Length:	73.02 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			3298.00	
Shut In Tool	5.00			3303.00	
Hydraulic tool	5.00			3308.00	
Jars	5.00			3313.00	
Safety Joint	2.00			3315.00	
Packer	5.00			3320.00	28.00 Bottom Of Top Packer
Packer	5.00			3325.00	
Stubb	1.00			3326.00	
Perforations	8.00			3334.00	
Recorder	0.01	8365	Inside	3334.01	
Recorder	0.01	6625	Outside	3334.02	
Blank Spacing	33.00			3367.02	
Bullnose	3.00			3370.02	45.02 Bottom Packers & Anchor

Total Tool Length: 73.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates Inc.

Bergann #1-7

1515 Wynkoop
Ste 700
Denver CO 80202
ATTN: Tom Fertal

7 16s 15w Barton KS
Job Ticket: 38574 **DST#: 3**
Test Start: 2010.05.25 @ 03:56:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 7.88 in³
Resistivity: ohm.m
Salinity: 9600.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: 70000 ppm

Recovery Information

Recovery Table

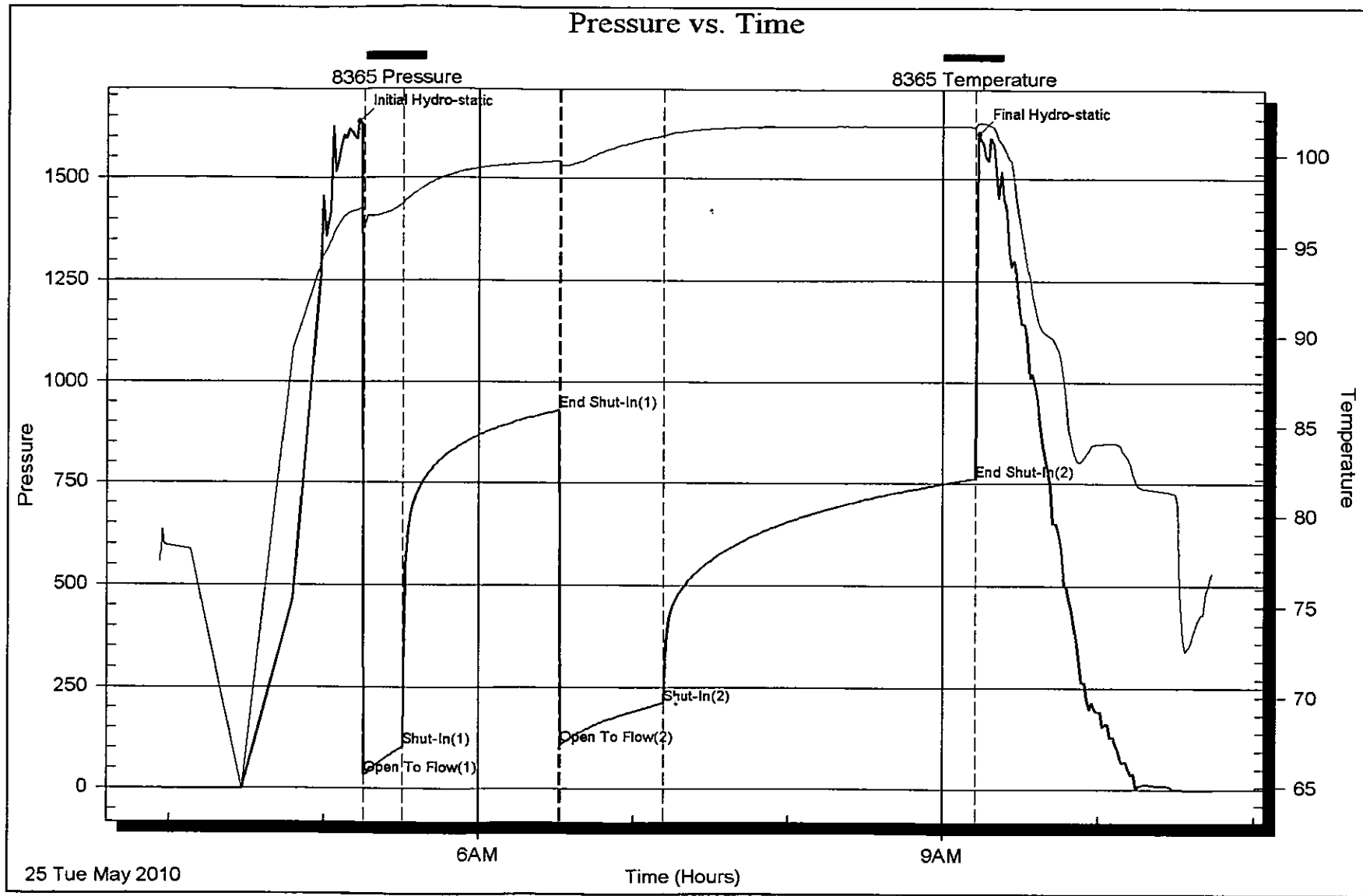
Length ft	Description	Volume bbl
90.00	MW 20% M80% W	1.262
300.00	Water	4.208

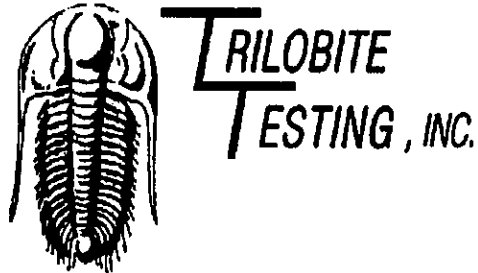
Total Length: 390.00 ft Total Volume: 5.470 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW.1 @ 75F





DRILL STEM TEST REPORT

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

1515 Wynkoop
Ste 700
Denver CO 80202

ATTN: Tom Fertal

7 16s 15w Barton KS

Bergann #1-7

Start Date: 2010.05.25 @ 22:20:35

End Date: 2010.05.26 @ 04:46:29

Job Ticket #: 38575 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

Samuel Gary Jr & Associates Inc.

Bergann #1-7

1515 Wynkoop
Ste 700
Denver CO 80202
ATTN: Tom Fertal

7 16s 15w Barton KS

Job Ticket: 38575 **DST#: 4**

Test Start: 2010.05.25 @ 22:20:35

GENERAL INFORMATION:

Formation: **Basal Penn Sd**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 00:40:30
Time Test Ended: 04:46:29

Test Type: **Conventional Bottom Hole**
Tester: **Ray Schwager**
Unit No: **42**

Interval: **3417.00 ft (KB) To 3450.00 ft (KB) (TVD)**
Total Depth: **3450.00 ft (KB) (TVD)**
Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **1923.00 ft (KB)**
1913.00 ft (CF)
KB to GR/CF: **10.00 ft**

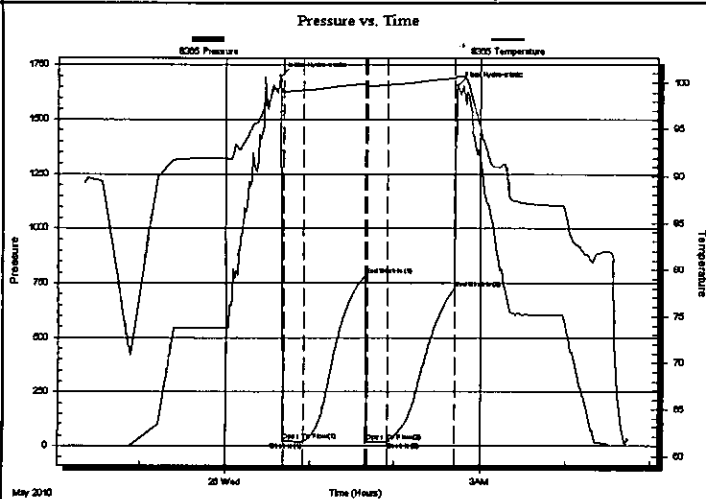
Serial #: 8365

Inside

Press@RunDepth: **19.29 psig @ 3418.01 ft (KB)**
Start Date: **2010.05.25** End Date: **2010.05.26**
Start Time: **22:20:35** End Time: **04:46:29**

Capacity: **8000.00 psig**
Last Calib.: **2010.05.26**
Time On Btm: **2010.05.26 @ 00:38:30**
Time Off Btm: **2010.05.26 @ 02:43:59**

TEST COMMENT: IFF-surface bl, died in 12min
FFP-no bl
Times 15-45-15-45
no bl on shut-in



PRESSURE SUMMARY

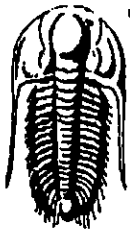
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1698.69	99.56	Initial Hydro-static
2	21.66	99.06	Open To Flow (1)
17	16.92	99.24	Shut-In(1)
61	785.90	99.93	End Shut-In(1)
62	17.44	99.70	Open To Flow (2)
77	19.29	99.80	Shut-In(2)
124	725.71	100.50	End Shut-In(2)
126	1654.63	100.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	CO	0.01
4.00	HOCM 20% O80%M	0.06

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates Inc.

Bergann #1-7

1515 Wynkoop
Ste 700
Denver CO 80202
ATTN: Tom Fertal

7 16s 15w Barton KS

Job Ticket: 38575 **DST#: 4**
Test Start: 2010.05.25 @ 22:20:35

Tool Information

Drill Pipe:	Length: 3414.00 ft	Diameter: 3.80 inches	Volume: 47.89 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 47.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3417.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.02 ft			
Tool Length:	61.02 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			3390.00	
Shut In Tool	5.00			3395.00	
Hydraulic tool	5.00			3400.00	
Jars	5.00			3405.00	
Safety Joint	2.00			3407.00	
Packer	5.00			3412.00	28.00 Bottom Of Top Packer
Packer	5.00			3417.00	
Stubb	1.00			3418.00	
Recorder	0.01	8365	Inside	3418.01	
Recorder	0.01	6625	Outside	3418.02	
Perforations	29.00			3447.02	
Bullnose	3.00			3450.02	33.02 Bottom Packers & Anchor

Total Tool Length: 61.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates Inc.

Bergann #1-7

1515 Wynkoop
Ste 700
Denver CO 80202
ATTN: Tom Fertal

7 16s 15w Barton KS

Job Ticket: 38575 **DST#: 4**
Test Start: 2010.05.25 @ 22:20:35

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 8.74 in³
Resistivity: ohm.m
Salinity: 9800.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

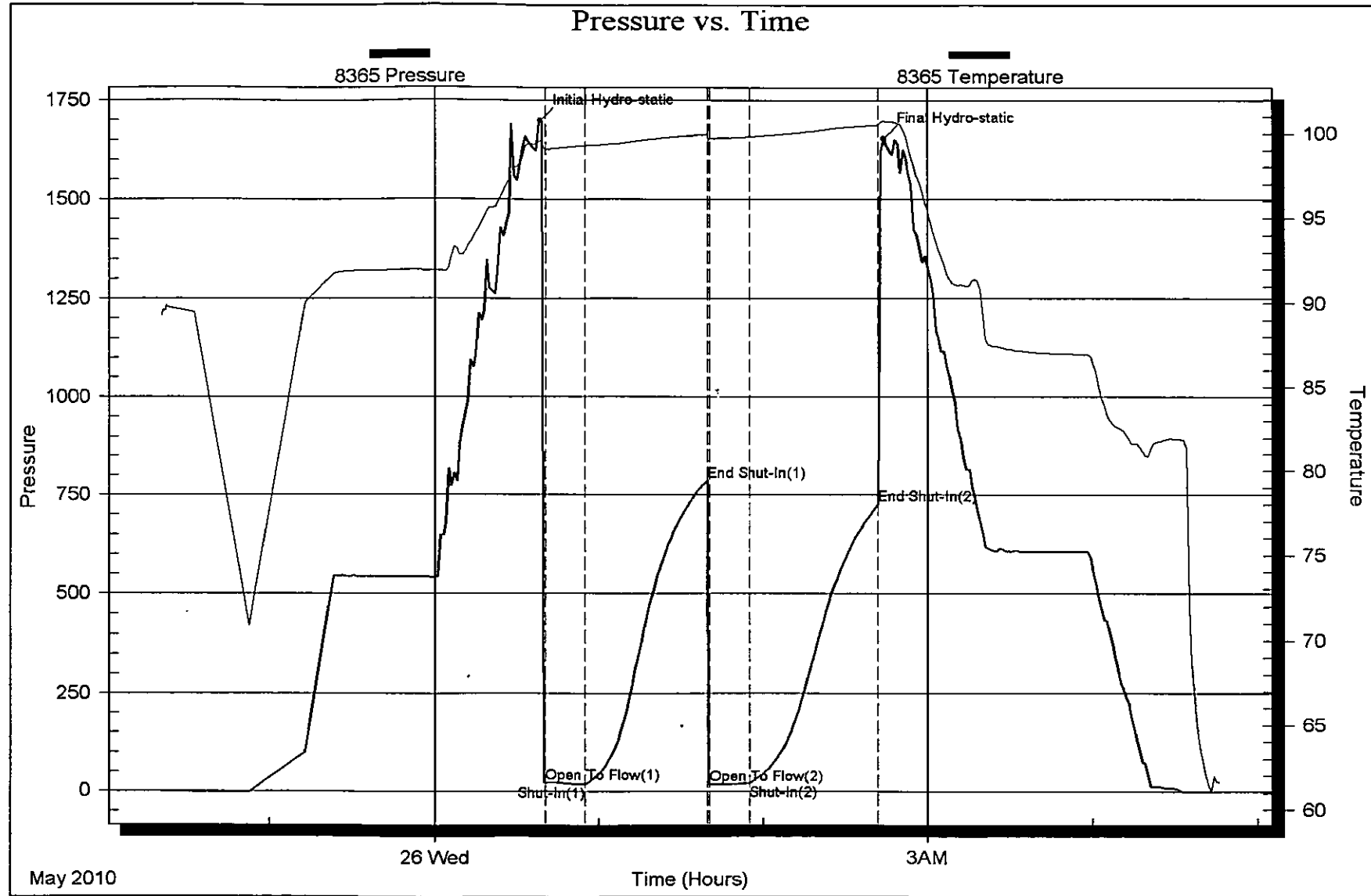
Length ft	Description	Volume bbl
1.00	CO	0.014
4.00	HOCM 20% O80%M	0.056

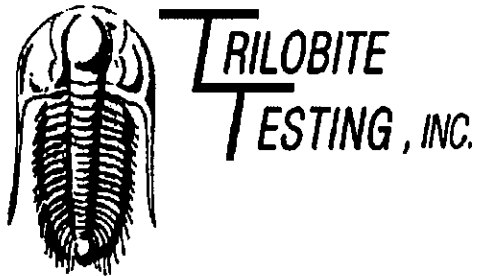
Total Length: 5.00 ft Total Volume: 0.070 bbl

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: Tom Fertal

7 16s 15w Barton KS

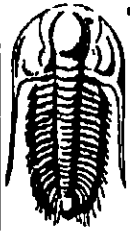
Bergann #1-7

Start Date: 2010.05.26 @ 23:23:03

End Date: 2010.05.27 @ 07:01:27

Job Ticket #: 38701 DST #: 5

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

Samuel Gary Jr & Associates Inc.

Bergann #1-7

1515 Wynkoop
Ste 700
Denver CO 80202
ATTN: Tom Fertal

7 16s 15w Barton KS

Job Ticket: 38701 DST#: 5

Test Start: 2010.05.26 @ 23:23:03

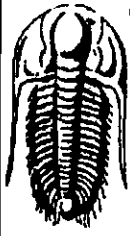
Tool Information

Drill Pipe:	Length: 3465.00 ft	Diameter: 3.80 inches	Volume: 48.60 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 48.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3477.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	175.03 ft			
Tool Length:	203.03 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			3450.00	
Shut In Tool	5.00			3455.00	
Hydraulic tool	5.00			3460.00	
Jars	5.00			3465.00	
Safety Joint	2.00			3467.00	
Packer	5.00			3472.00	28.00 Bottom Of Top Packer
Packer	5.00			3477.00	
Stubb	1.00			3478.00	
Perforations	1.00			3479.00	
Recorder	0.01	8365	Inside	3479.01	
Recorder	0.01	6625	Outside	3479.02	
Perforations	5.00			3484.02	
Blank Off Sub	1.00			3485.02	
Blank Spacing	3.00			3488.02	175.03 Tool Interval
Packer	5.00			3493.02	
Stubb	1.00			3494.02	
Perforations	28.00			3522.02	
Recorder	0.01	8652	Below	3522.03	
Blank Spacing	127.00			3649.03	
Bullnose	3.00			3652.03	1000202.03 Bottom Packers & Anchor

Total Tool Length: 203.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates Inc.

Bergann #1-7

1515 Wynkoop
Ste 700
Denver CO 80202
ATTN: Tom Fertal

7 16s 15w Barton KS
Job Ticket: 38701 **DST#: 5**
Test Start: 2010.05.26 @ 23:23:03

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:	24000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in*	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 11500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MW 25% M75% W	0.842
300.00	Water	4.208

Total Length: 360.00 ft Total Volume: 5.050 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW.25@70F

