

KANSAS CORPORATION COMMISSION 1047055
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3882
Name: Samuel Gary Jr. & Associates, Inc.
Address 1: 1515 WYNKOOP, STE 700
Address 2: _____
City: DENVER State: CO Zip: 80202 + _____
Contact Person: THOMAS G. FERTAL
Phone: (303) 831-4673
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: TIM HEDRICK
Purchaser: GARY WILLIAMS ENERGY COMPANY

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW

Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>07/20/2010</u>	<u>07/27/2010</u>	<u>08/03/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-165-21890-00-00

Spot Description: _____
SW SW SE SE Sec. 25 Twp. 16 S. R. 16 East West
155 Feet from North / South Line of Section
1165 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Rush
Lease Name: MAIER-SCHNEIDER Well #: 1-25
Field Name: _____
Producing Formation: LANSING
Elevation: Ground: 1966 Kelly Bushing: 1976
Total Depth: 3647 Plug Back Total Depth: 3623
Amount of Surface Pipe Set and Cemented at: 1055 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 66000 ppm Fluid volume: 1000 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite: _____

Operator Name: SAMUEL GARY JR & ASSOCIATES
Lease Name: MATTHAEI TRUST License #: 3882
Quarter SW Sec. 19 Twp. 18 S. R. 9 East West
County: RICE Permit #: 15165218810000

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 11/16/2010

Confidential Release Date: 11/15/2012

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: NAOMI JAMES Date: 11/17/2010



1047055

Operator Name: Samuel Gary Jr. & Associates, Inc. Lease Name: MAIER-SCHNEIDER Well #: 1-25
 Sec. 25 Twp. 16 S. R. 16 East West County: Rush

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples 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	2962	-988
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	HEEBNER	3189	-1215
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	DOUGLAS	3222	-1248
List All E. Logs Run: Attached		LANSING	3248	1274
		ARBUCKLE	3537	-1563
		TD	3647	

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	12.25	8.625	23	1055	CLASS A	400	3% CC, 2% GEL
PRODUCTION	7.875	5.5	15.5	3646	ECONO-BOND	125	4% GEL, 2% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3433'-40'	500 gal of 20% MCA w/ 3% MAS	3433'-40'
4	3248'-52'	500 GAL 28% MCA, 3% MAS, 5 BBL H2O	3248'-52'
4	3271'-76'	500 GAL 28% MCA, 3% MAS, 5 BBL H2O	3271'-76'
4	3318'-23'	500 GAL 28% MCA, 3% MAS, 5 BBL H2O	3318'-23'
4	3406'-12'	500 GAL 28% MCA, 3% MAS	

TUBING RECORD:	Size: <u>2-7/8"</u>	Set At: <u>3587'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>08/10/2010</u>	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. <u>40</u>	Gas Mcf	Water Bbls. <u>20</u>	Gas-Oil Ratio Gravimetry

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4)	PRODUCTION INTERVAL: <u>3248'-3440' OA</u>
	<input type="checkbox"/> Other (Specify) _____	

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	MAIER-SCHNEIDER 1-25
Doc ID	1047055

All Electric Logs Run

ARRAY INDUCTION SHALLOW FOCUSSED ELECTRIC LOG
COMPACT PHOTO DENSITY COMPENSATED NEUTRON
COMPENSATED SONIC
MICRO RESISTIVITY



*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

November 16, 2010

THOMAS G. FERTAL
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-165-21890-00-00
MAIER-SCHNEIDER 1-25
SE/4 Sec.25-16S-16W
Rush County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office at 303-831-4673.

Respectfully,
THOMAS G. FERTAL



QUALITY OILWELL CEMENTING, INC.

740 West W.L.Hite Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net
 Pratt Location 620-380-5422

Date: 7/22/2010
 Invoice # 4095

P.O.#:
 Due Date: 8/21/2010
 Division:

Invoice

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

Reference:
 MAIER-SCHNEIDER 1-25

Description of Work:

Services / Items Included:	Quantity	Price	Item	Quantity	Price
Surface Job	1	\$0.00			
Truck-Material-Service Charge	29	\$228.01			
Premium Gel (Bentonite)	8	\$112.62	8 5/8" Centralizer	3	\$166.03
Flo Seal	100	\$172.95	8 5/8" Basket	3	\$819.77
Common-Class A	400	\$4,046.96			
Calcium Chloride	14	\$0.00			
Truck-Material-Service Charge	29	\$133.42			
Truck-Material-Service Charge	422	\$664.91			
Baffle Plate Aluminum, 8 5/8"	1	\$77.83			
Invoice Terms:		Labor: \$878.88			
Net 30					
				Quoted by: Dave Funk	
				SubTotal: \$	8,231.10
				Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$ (1,234.66)
				Total: \$	6,996.43
				Tax: \$	580.20
					\$ 7,556.63
				Applied Payments:	
				Balance Due: \$	7,556.63

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.

AUG 04 2010

DRLG COMP W/O LOE
 AFE # _____
 ACCT # 8200137
 APPROVED BY [Signature]

QUALITY OILWELL CEMENTING, INC.

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

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

No. 4095
11/30 AM

Date	7-21-2010	Sec.	25	Twp.	16	Range	16	County	Rush	State	Ks	On Location	Finish
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Lease/Maier-Schneider	Well No. 1-25	Location Galatia, Ks - W to Otis Rd, 1 S, 2 E
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Contractor Dixonsy Drilling Rig #2	Owner M/S
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Type Job Surface	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
------------------	--

Hole Size 12 1/4"	T.D. 1055'	Charge To Samuel Gary
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Csg. 8 3/8"	Depth 1055'	Street
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Tbg. Size	Depth	City
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Tool Baffle plate	Depth	State
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Cement Left in Csg. 42.28	Shoe Joint 42.28	The above was done to satisfaction and supervision of owner agent or contractor.
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Meas Line	Displace	Cement Amount Ordered 400 sx Common 3% CC 2% Bel
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EQUIPMENT

Pumptrk 5	No.	Cementer	Dave	3	1/4# F. S.
		Helper			Common 400
Bulktrk 12	No.	Driver	Cisco	3	Poz. Mix
		Driver			Gel. 8
Bulktrk pick up	No.	Driver	Rick	3	Calcium 13/14
		Driver			

JOB SERVICES & REMARKS

Remarks: Cement did Circulate	Hulls
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Rat Hole	Salt
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Mouse Hole	Flowseal 100#
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Centralizers	Kol-Seal
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Baskets	Mud CLR 48
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D/V or Port Collar	CFL-117 or CD110 CAF 38
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PUMP 10 BBL 1/2° before Cement.	Sand
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	Handling 422
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	Mileage
--	---------

FLOAT EQUIPMENT

	Guide Shoe
--	------------

	Centralizer 3 - 8 3/8" Turbolizers
--	------------------------------------

	Baskets 3 - 8 5/8"
--	--------------------

	AFU Inserts
--	-------------

	Float Shoe
--	------------

	Latch Down
--	------------

	1 - 8 3/8" Baffle plate
--	-------------------------

	1 - 8 3/8" Rubber plug
--	------------------------

Pumptrk Charge Long Surface	Mileage 29
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Signature 	Tax
	Discount
	Total Charge



PAGE 1 of 1	CUST NO 1003682	INVOICE DATE 07/29/2010
INVOICE NUMBER 1718 - 90371462		

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 Maier-Schneider 1-25
 O LOCATION
 B COUNTY Rush
 B STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 H JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40211616	27463		Net - 30 days	08/28/2010

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 07/28/2010 to 07/28/2010</i>				
0040211616				
171802123A Cement-New Well Casing/Pi 07/28/2010 CNW-5 1/2" Longstring				
60/40 POZ	75.00	EA	7.56	566.96 T
50/50 POZ	125.00	EA	6.93	866.20 T
Cello-flake	31.00	EA	2.33	72.26 T
Calcium Chloride	210.00	EA	0.66	138.91 T
Cal-Set	625.00	EA	0.47	295.29 T
FLA-322	104.00	EA	4.72	491.37 T
Cement Gel	210.00	EA	0.16	33.07 T
Gilsonite	1,000.00	EA	0.42	422.07 T
CS-1L, KCI Substitute	4.00	EA	22.05	88.19 T
Super Flush II	500.00	EA	0.96	481.92 T
Latch Down Plug & Baffle	1.00	EA	251.98	251.98
Auto Fill Float Shoe	1.00	EA	226.79	226.79
Turbolizer	8.00	EA	69.30	554.37
Heavy Equipment Mileage	170.00	MI	4.41	749.65
Proppant & Bulk Delivery Charges	723.00	MI	1.01	728.74
Blending & Mixing Service Charge	200.00	MI	0.88	176.39
Unit Mileage Charge-Pickups, Vans & Cars	85.00	HR	2.68	227.57
Depth Charge; 3001'-4000'	1.00	HR	1,360.73	1,360.73
Casing Swivel Rental	1.00	EA	125.99	125.99
Plug Container Utilization Charge	1.00	EA	157.49	157.49
Service Supervisor	1.00	HR	110.24	110.24

AUG 04 2010

DRLG COMP W/O LOE

AFE # _____
 ACCT # 7200.130
 APPROVED BY [Signature]

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	8,126.18
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	217.74
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	8,343.92
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

FIELD SERVICE TICKET
1718 02123 A

DATE _____ TICKET NO _____

DATE OF JOB 7-23-10 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 Cary Jr Associates, Inc.		LEASE MAIER - SHNEIDER								
ADDRESS		WELL NO 125								
CITY STATE		COUNTY RUSH STATE Ks								
AUTHORIZED BY		SERVICE CREW CRIVELLO, LESLEY, LEIGHT								
		JOB TYPE CALL - 5 1/2 L S.								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
27245	1						7-23-10			6:50
27463	1									7:45
19532/2410	1									12:15
										1:15
										2:30
						MILES FROM STATION TO WELL	85			

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 [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
103	100/140 P.2	SK	75		7000.00
104	50/150 P.2	SK	125		11375.00
112	CELL-FLAKE	lb	31		144.70
109	CHLORINE CHLORIDE	ll.	210		220.50
113	COIL-SET	lb	125		4625.75
109	FLA-328	lb	104		7925.00
200	CEMENT GEL	lb	210		58.50
301	GILSONITE	lb	1,000		670.00
107	LATCH DOWN PLUG & BUSH, 5 1/2"	EA	1		400.00
1251	PLUG FILL FLIGHT SHOE, 5 1/2"	EA	1		360.00
1151	TURBOLOZER, 5/8"	EA	8		890.00
104	CS-N, KCC SUBSTITUTE	GAZ.	4		140.00
155	WIPER FLESH	WHL	5000		765.00

CHEMICAL / ACID DATA			

SUB TOTAL		209
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

RVICE PRESENTATIVE [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY [Signature]
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

LD SERVICE ORDER NO



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 ~~02124~~ A

CONTINUATION

DATE _____ TICKET NO. _____

DATE OF JOB 7-28-10 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'S ASSOCIATES, INC.		LEASE MAIER-SCHNEIDER WELL NO 1-25						
ADDRESS		COUNTY RUSH STATE Ks.						
CITY STATE		SERVICE CREW ORLANDO, LESLEY, DIGHT						
AUTHORIZED BY		JOB TYPE CALL - 5 1/2 L.S.						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE 7-28-10	TIME 6:30
272453	1					ARRIVED AT JOB	7:45	9:45
27463	1					START OPERATION	7-28-10	AM 1:45
11832/2010	1					FINISH OPERATION		AM 1:45
						RELEASED		AM 2:30
						MILES FROM STATION TO WELL	85	

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: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E 100	PICKUP MILEAGE	MILE	8.5		316.25
E 101	HEAVY EQUIPMENT	MTE	170		1,190.00
E 113	BULK DELIVERY CHARGE	TON	723		1,150.00
E 504	DEPTH CHARGE, 20 1/4-40 1/2	HRS	1-4		2,160.00
E 740	BLENDING SERVICE CHARGE	SK	200		280.00
E 501	CASING SWIVEL RENTAL	EA	1		200.00
E 504	FLUE CONTAINER UTILIZATION CHARGE	JOB	1		250.00
E 003	SERVICE SUPERVISOR	EA	1		175.00
SUB TOTAL					8,126.10

CHEMICAL / ACID DATA			

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

RVICE REPRESENTATIVE [Signature]

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

LD SERVICE ORDER NO

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer: <u>Sam Long 544 Acres</u>	Lease No.	Date: <u>7-28-10</u>
Lease: <u>McGee - Sch. 10</u>	Well # <u>1-05</u>	
Field Order #	Station: <u>Front</u>	Casing: <u>15"</u> Depth: <u>641</u>
Type Job: <u>2000-277 L.S.</u>	Formation	County: <u>Mo.</u> State: <u>Mo.</u>
		Legal Description: <u>...</u>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad		Max		5 Min.
Volume	Volume	From	To	Pad		Min		10 Min.
Max Press	Max Press	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	<u>86.0</u>	Gas Volume		Total Load

Customer Representative: ... Station Manager: ... Treater: ...

Service Units	<u>0722</u>	<u>5740</u>	<u>19830</u>	<u>24015</u>				
Driver Names	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:00					...
1:07	300		2.0	5	...
1:10	300		1.0	5	...
1:11	200		3	5	...
1:12	250		1	5	...
1:20	200		3.4	5	...
1:27	0		0	0	...
1:37	300		6.0	5	...
1:40	300		7.5	4	...
1:45	250		21.3	30.5	...



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

Well Name: MAIER-SCHNEIDER 1-25
Location: SEC 25. 16S-16W RUSH CO., KANSAS
License Number: API 15-165-21890-00-00
Spud Date: 7/15/10
Surface Coordinates: 150 FSL/1180 FEL
Region: WILDCAT
Drilling Completed: 7/27/10

Bottom Hole
Coordinates:
Ground Elevation (ft): 1966 K.B. Elevation (ft): 1974
Logged Interval (ft): 1650 To: 3650 Total Depth (ft): 3650
Formation: LANSING ARBUCKLE
Type of Drilling Fluid:

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Samuel Gary Jr, & Assoc.
Address: 1515 WYNKOOP STE 700
Denver, Colo. 80202
Geo: MR Tom Fertal

GEOLOGIST

Name: JERRY DEAN
Company: Earth Tech OGL, Inc.
Address: PO Box 683
Hooker, Okla . 73945
Off. 888-543-8378 Cell: 316-706-1586

Dst #1

3223-3284 packer @ 3218' 3223' 61' ANCHOR
IH 1567 FIF 20 FFF 34 ISI 1153 SIF 39 SFF 69 FSI 1156
FH 1519
RECV 1550 GAS IN PIPE, 70°OCGM 40%GAS,30%OIL, 30%MD.
60°OCGM 30%GAS,30%OIL,40%MD
IO 15MN ISI 60MN FF 45MN FSI 150MN
BLOW, IF BOB 5MN, IS NO RET, FF BOB RGT AWAY, FS NO

DST#2

3310'-3335' PACKER 3305' & 3310' 25' ANCHOR
IH 1605, FIF 19, FFF 24, ISI 1043, SIF 28, SFF 38, FSI 1017. FH1569'
744' GAS IN PIPE 70' OCGM 10% GAS 30% OIL 50% MUD
BLOW: IF BOB 10MN, IS NO RETURN, FF BOB RGT AWAY FS NO





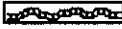



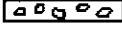

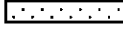




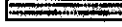

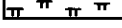






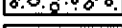
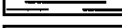





DST#3

DST#3 3341-3355' PACKER 3336-3341' 14' ANCHOR
IHP 1629, FIF 15, FFF 17, ISP 1140, SIF 18, SFF 18, FSP 119 FHP 1592 10' MUD SKIM W/OIL IF: WEAL SUR
BLOW,
ISI: NO BLOW, FF: NO BLOW, FSI: NO BLOW.

COMMENTS

START SHORT TRIP FOR TO SURF CASING 1:25AM 3262'
CTCH 1.5HRS
COME OUT HOLE FOR DST 3284 AT 9:30PM FOR DST 1, BACK TO DRIL 11:00AM 7/25/10.
START OUT OF HOLE DST 2 AT 3:00PM BACK TO DRILLING 3:15AM 7/26/10
DST #3 OUT HOLE 6:00AM BACK TO DRILLING 4:25PM 7/26/10

ROCK TYPES

	Anhy		Gyp		Shgy		Sandylms
	Bent		Igne		Sltst		Shale
	Brec		Lmst		Ss		Sltstn
	Cht		Meta		Till		Shlyslts
	Clst		Mrlst		Carb sh		Sltyslts
	Coal		Salt		Dol		Sltyslts
	Congl		Shale		Dtd		Lms
	Dol		Shcol		Gry sh		

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sily

- #### FOSSIL
- Algae
 - Amph
 - Belm
 - Bioclst
 - Brach
 - Bryozoa
 - Cephal
 - Coral
 - Crin
 - Echin
 - Fish
 - Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

- #### STRINGER
- Anhy
 - Arg
 - Bent
 - Coal
 - Dol
 - Gyp
 - Ls
 - Mrst
 - Sltstrg
 - Ssstrg
 - Carbsh

- Clystn
- Dol
- Grysh
- Grysit
- Lms
- Sandylms
- Sh
- Sltstn

- #### TEXTURE
- Boundst
 - Chalky
 - Cryxln
 - Earthy
 - Finexln
 - Grainst
 - Lithogr
 - Microxln
 - Mudst
 - Packst
 - Wackest

OTHER SYMBOLS

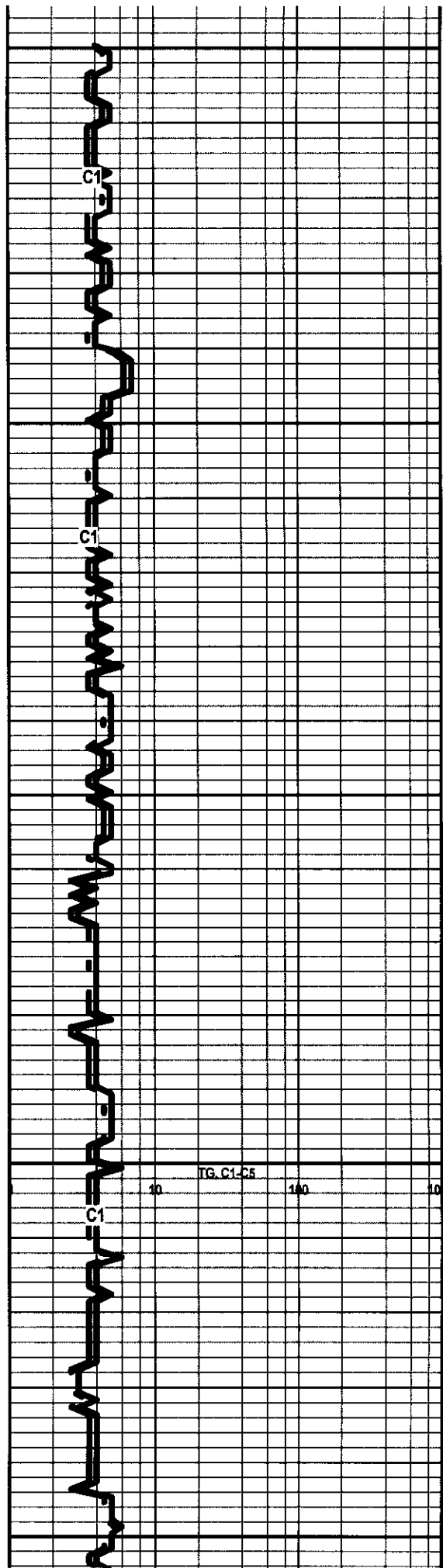
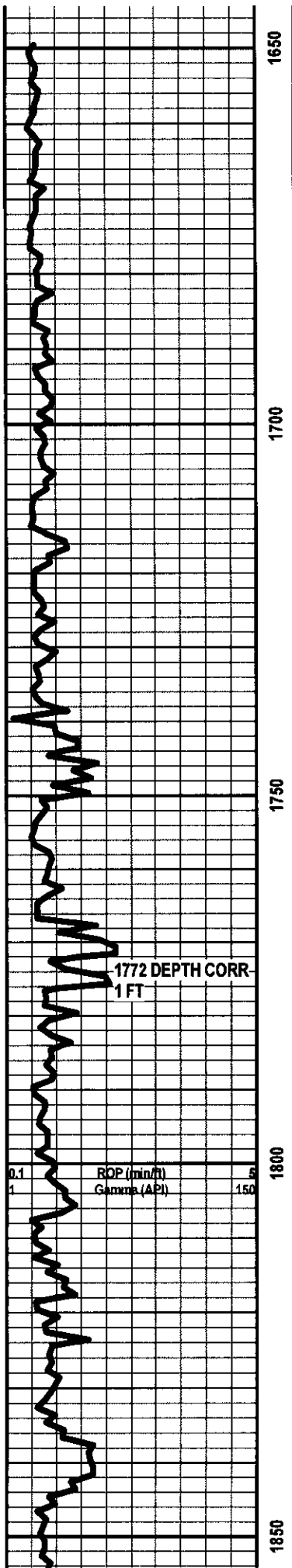
- #### POROSITY TYPE
- Earthy
 - Fenest
 - Fracture
 - Inter
 - Moldic
 - Organic
 - Pinpoint
 - Vuggy

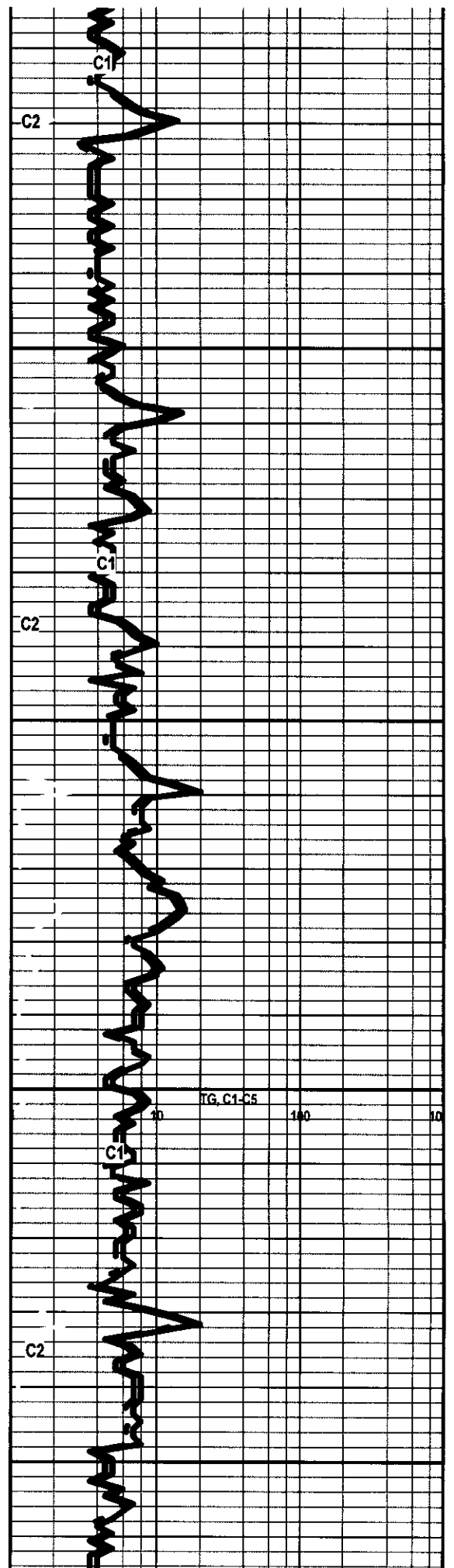
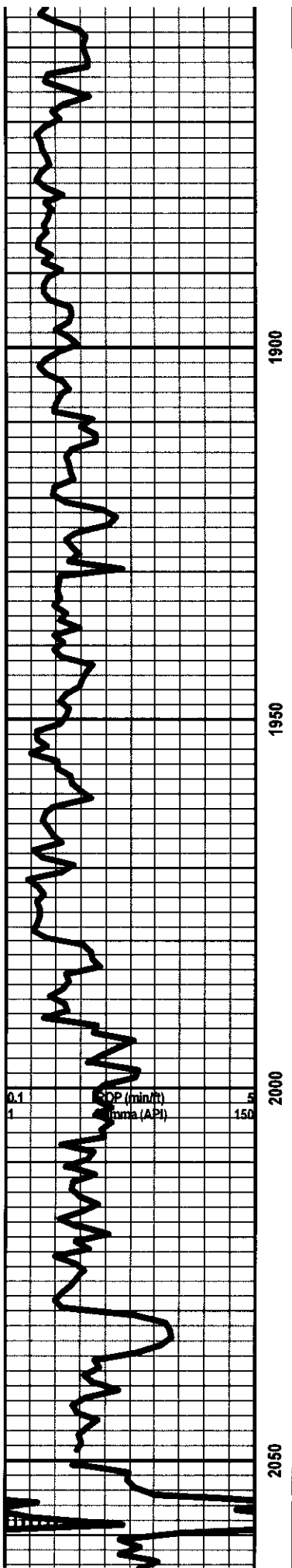
- #### SORTING
- Well
 - Moderate
 - Poor
- #### ROUNDING
- Rounded
 - Subrnd
 - Subang

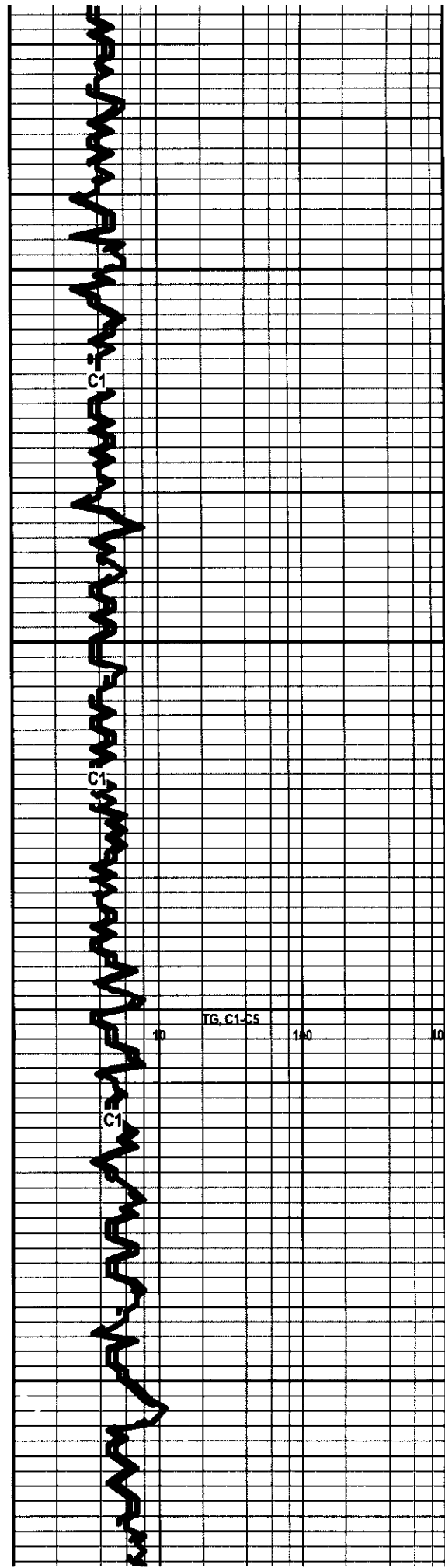
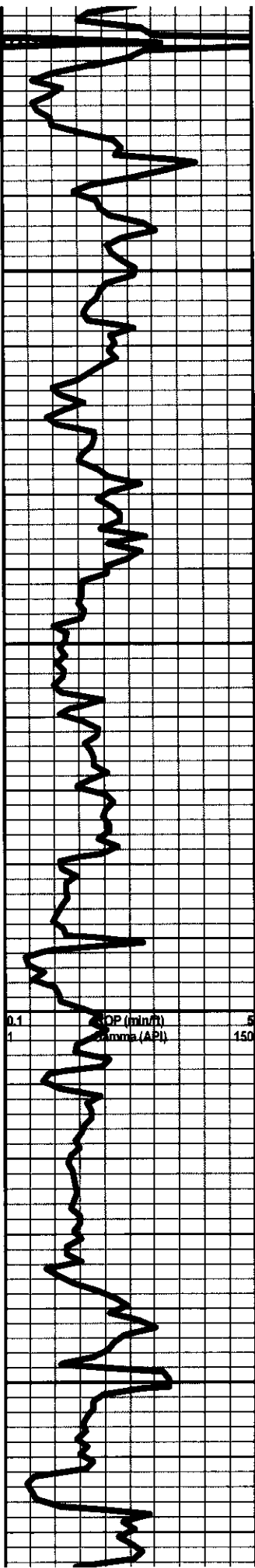
- Angular
- #### OIL SHOWS
- Even
 - Spotted
 - Ques
 - Dead
 - Gas show

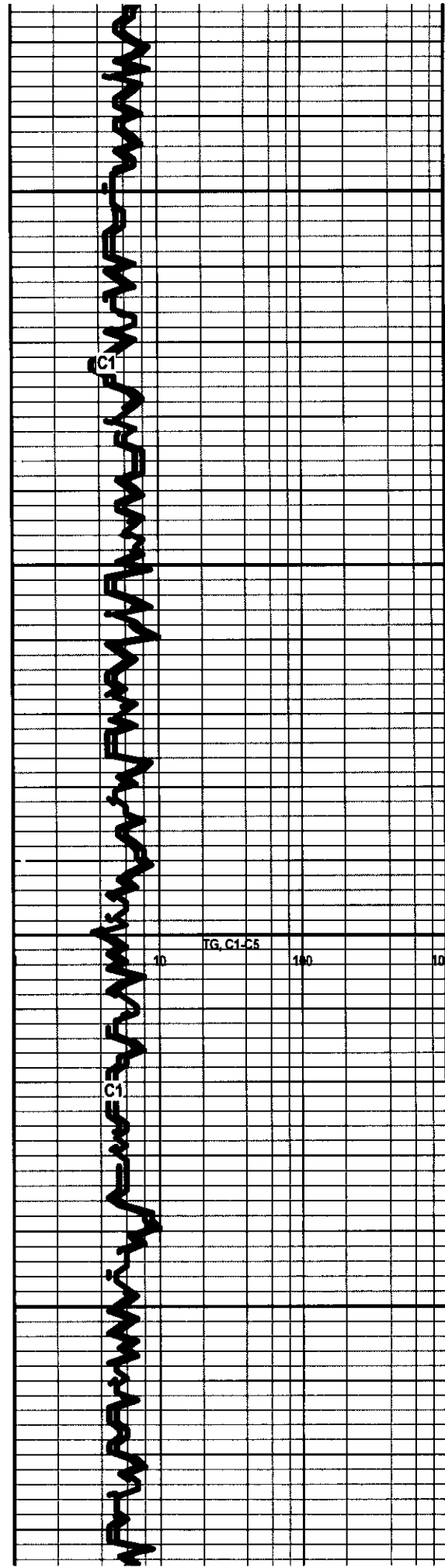
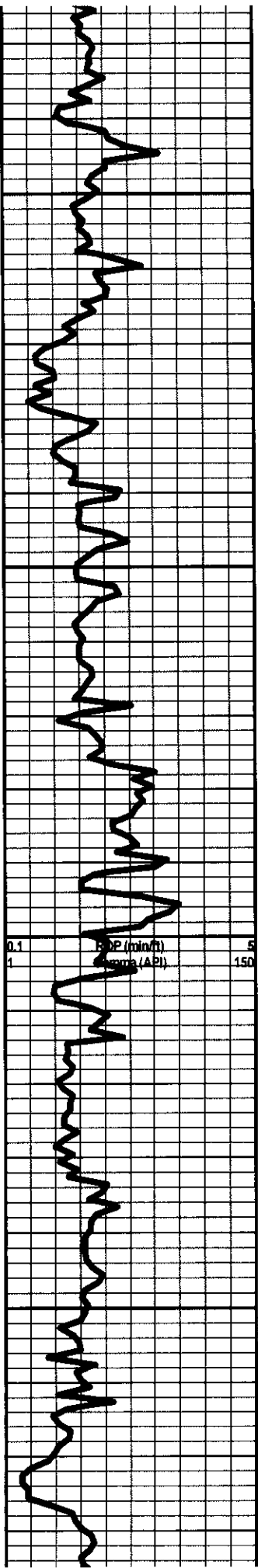
- #### INTERVALS
- Core
 - Dst
 - Dst
- #### EVENTS
- Rft
 - Sidewall

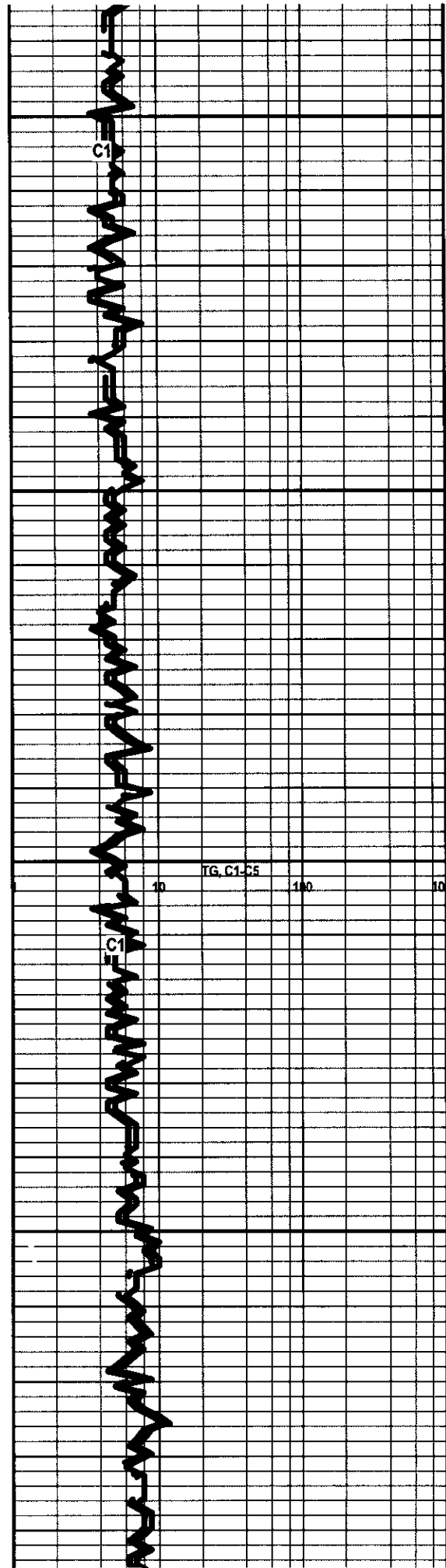
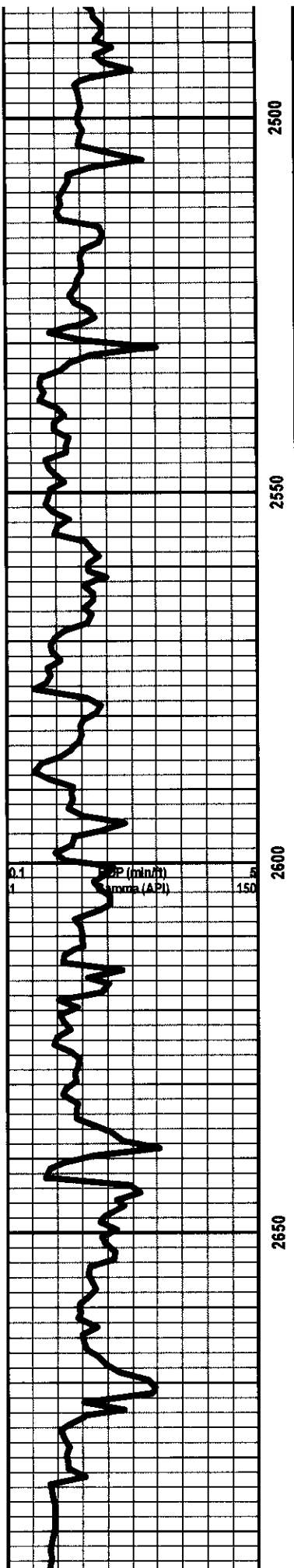
Curve Track 1	Depth	Lithology	Geological Descriptions	TG, C1-C5
ROP (min/ft) Gamma (API)				TG (units) C1 (units) C3 (units) C4 (units) C5 (units)
0.1 ROP (min/ft) 5 1 Gamma (API) 150	16			20 TG, C1-C5 100 10
DISCOVERY DRILLING #2				DISCOVERY DRILLING #2

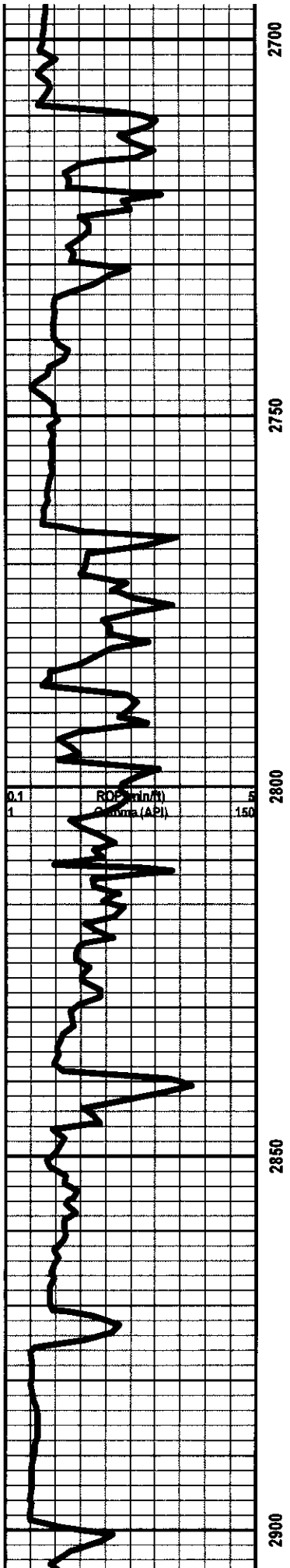








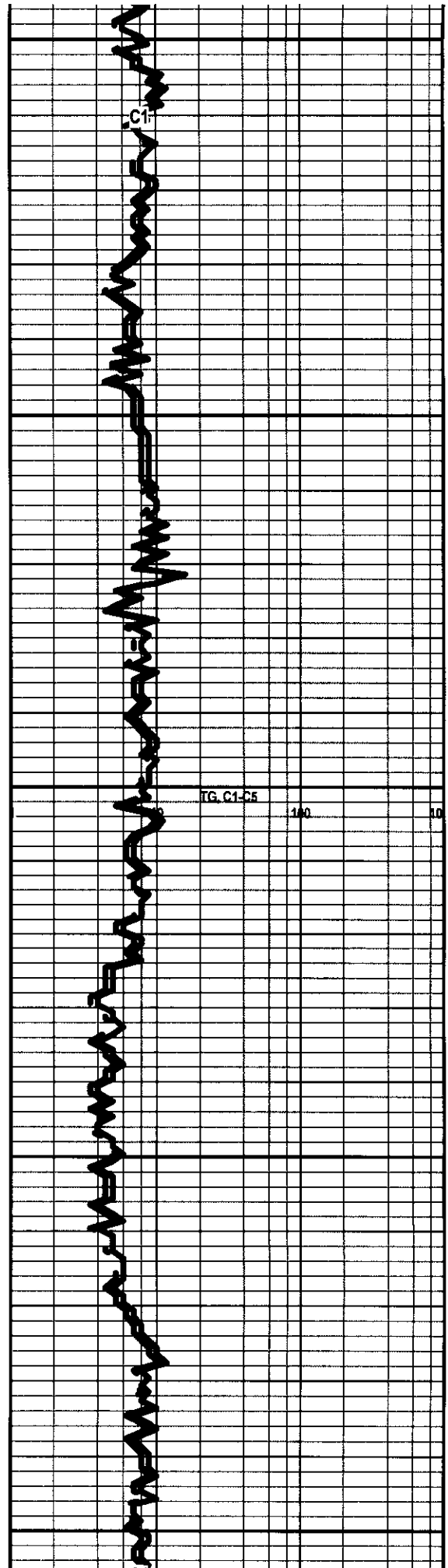


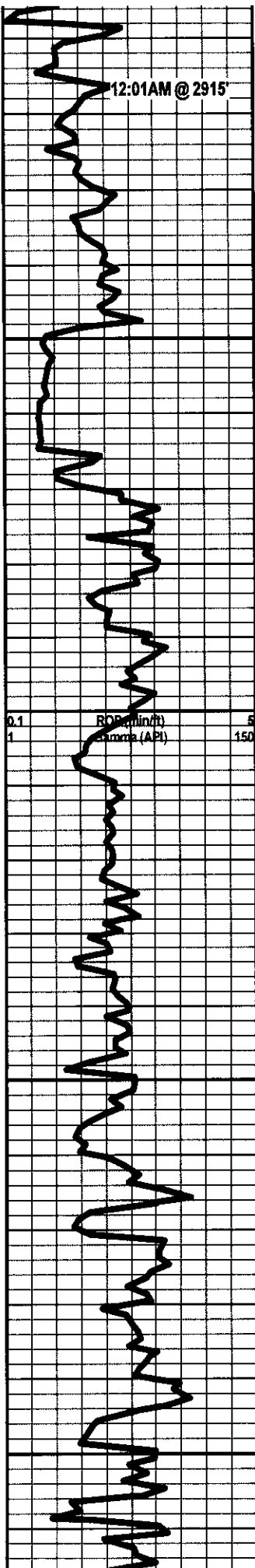


BASE ROOT SHALE 2709' -735'



START 24 HR MANNED UNIT
 7/23/2010 BY JERRY DEAN
 10:45pm
 HOWARD 2899' -925'
 1 S. 80% GRY 1 T GRY DK TN HD DN TT





CRYPTO XLN MTX NO FLO NO VIS POR NO VIS SHOW 10% SS FRSTY GY TO CLR FN TO V/ FN GN S. RND S. ANG CALC CMNTTT NO VIS FLOU NO VIS SHOW

SH- DK GRY TO GRY HD SMOOTH BRITT SPLNTY LMY

LS-OFF WH LT TN LT GY CAM MOTT I.P. HD BRITT TO HD DNS TO MD HD SUB CHLKY AMBT IMBD FOSS FRG IN SUB CHKLY LS, SME IMBD SH SPRKS TT DUL YEL FLOU NO VIS CUT OR SHOW

SH- GRY LT GRY FRM BLKY SMOOTH TO MD TXT ABDT LMY TO TR SLTY I.P.

TOPEKA 2964' -990'

LS- TN LT TN LTGRY BUFF MOTT MD BRITT TO HD DNS F-XLN TO MD HD SUB CHLKY TR IMBD FOSS TR IMBD MD XLS TT DUL YEL MN FLOU NO VIS SHOW

LS-OFF WH LT TN BUFF TO LT GY GY HD DNS F-XLN TO TR SUCRO IN DKER LS, HD BRITT REXLN LS IN LT COLOR LS TR PHANTOM OOL TR INT XLN PORO YEL MIN FLOU VIS CUT OR SHOW

LS- TN LT TN GRY MOTT MD HD TO HD DNS FN XLN MTX IMBD FOSS IP NO FLO NO VIS POR NO VIS SHOW

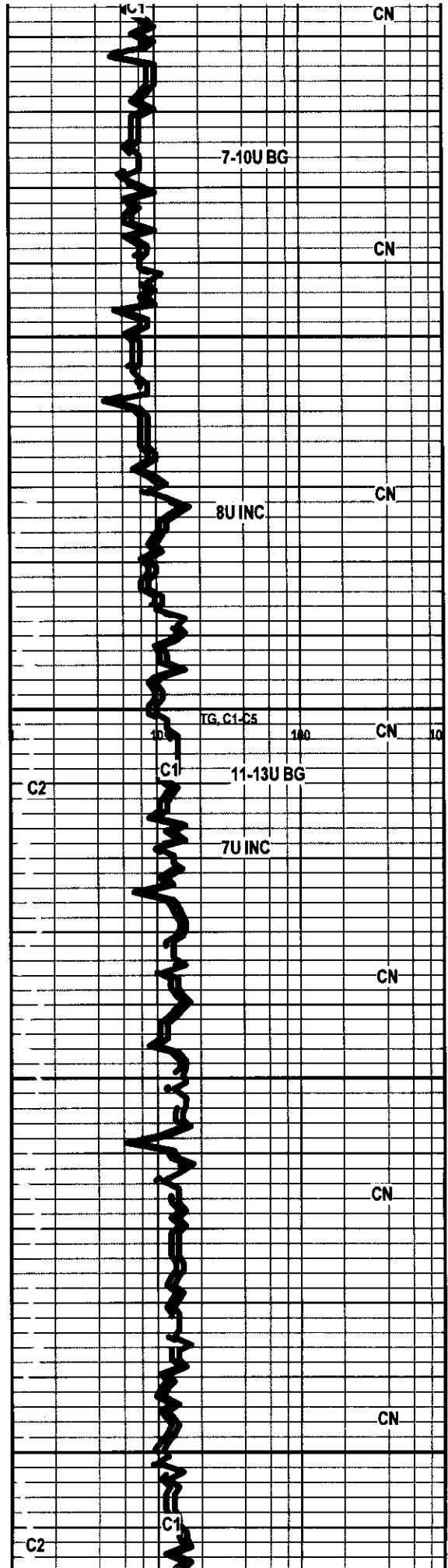
SH- GY DK GY FRM TO SFT BLKY MD TO F-TXT

LS-LT TN CRM BUFF OFF WH HD DNSF-XLN TO CRYPTO XLN TO MD HD SUB CHLKY TRS IMBD FOSS FRG TRS OF PACK STN IN SUB CHLKY LS BRT YEL FLOU IN HD LS, NO VIS CUT OR SHOW

LE COMPTON 3071' -1097'

LS-TN LT TN OFF WH BUFF HD DNS F-XLN TO MD HD SUB CHLKY TO V/ CHLKY I.P. OOL TO PHANTOM OOL W/ IMBD FOSS FRG INHD LS, IMBD SH SPRKS IN SUB CHLKY SPLS YEL FLOU NO VIS CUT

SH- GY DK GY FRM TO SFT BLKY MD TO F-TXT



CN

7-10U BG

CN

CN

8U INC

100

CN

11-13U BG

7U INC

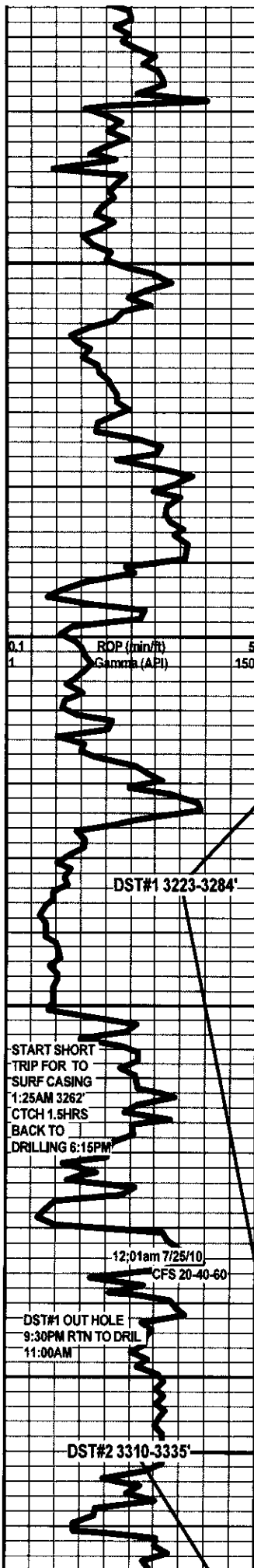
CN

CN

CN

C2

C1



LS- LT TN TN BUFF CRM TO GY LT GY MOTT
I.P. HD DNS TO HD BRITT RE-XLN MTX TO
F-XLN TR IMBD MD XLS IMBD FOSS FRG TR
IMBD SH SPRKS, PACK STN IN LT COLOR LS.
20% FR INT XLN PORO YEL MIN FLOW IN 25%
OF SPLS NO VIS CUT NO VIS SHOW

LS-CRM TN LT TN OFF WH BUFF HD DNS
F-XLN TO CYPTO XLN TT, TO MD SUB CHLKY
TO CHLKY TR IMBD FOSS FRG PACK STN
TRS DUL YEL MIN FLOW NO VIS SHOW

LS-CRM TN LT TN OFF WH BUFF HD DNS
F-XLN TO CYPTO XLN TT, TO MD SUB CHLKY
TO CHLKY TR IMBD SH SPRKS PACK STN
TRS DUL YEL MIN FLOW NO VIS SHOW

BASE OF HEEBNER 3196'-1222'

LS- LT TN CRM BUFF OFF WHT HD FRM BRITT FN TO TR
MD XLN MTX RE-XLN MTX IP IMBD CALC XLS TR IMBD
FOSS FGR IPTO TR SUB-CHLKY, HD BRIT IS OOL TO TR
OOLIMOL. TR VUGGY SME IMBD MD XLS SPOTTY
OIL STN 20% SPPL, GD INT OOL PORO TR INT XLN PORO
20%, BRT GLD FLOU 30% SPLS GD BLUE STMY CUT IN
10% SPLS.GD FL SH RING CUT

DOULGAS 3225' -1251'

SH- GY DK GY FRM TO SFT SLTY CALC TO SLTY CALC

LANSING 3252'-1278'

LS- OFF WH WH LT TN CRM BUFF HD BRITT RE-XLN
MTX FN TO MD XLN IMBD QTZ CALC XLS IMBD FOSS FRG
TR OF OOLIMOL BRT GOLD FLOU GD INT XLN PORO FR
PP PORO SPOTTY OIL. STN OF SPLS, TR OF SFT W/ CHLK
SPLS EXC BLUE STM CUT OUT OF SPLSGD FLUSH RING
CUT OF SPLS, NO ORDER FR TO GD SHOW

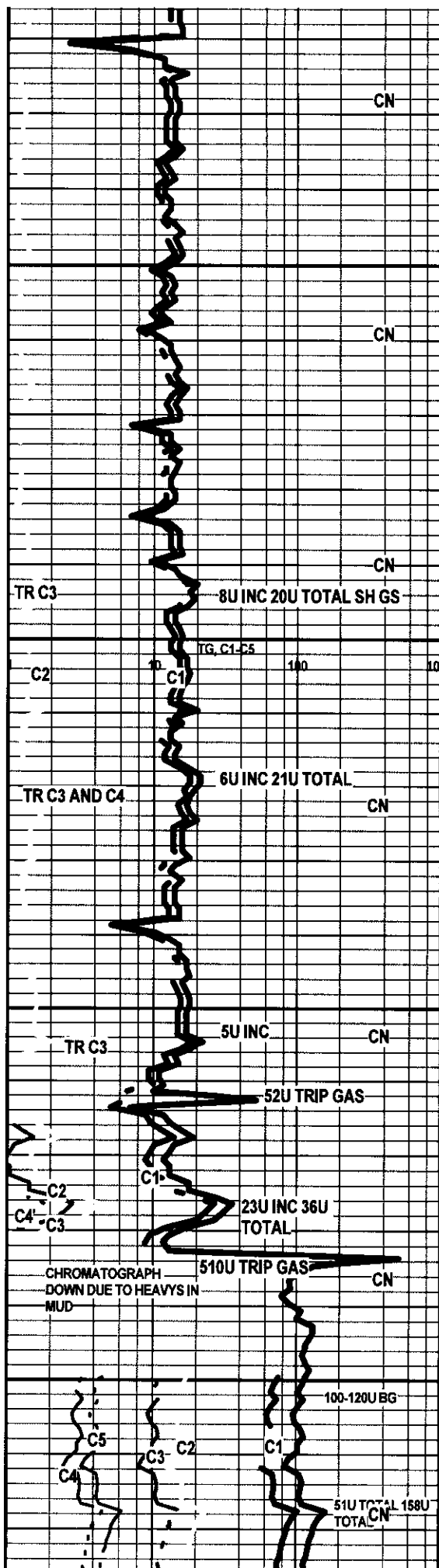
LANS C 3274'-1300

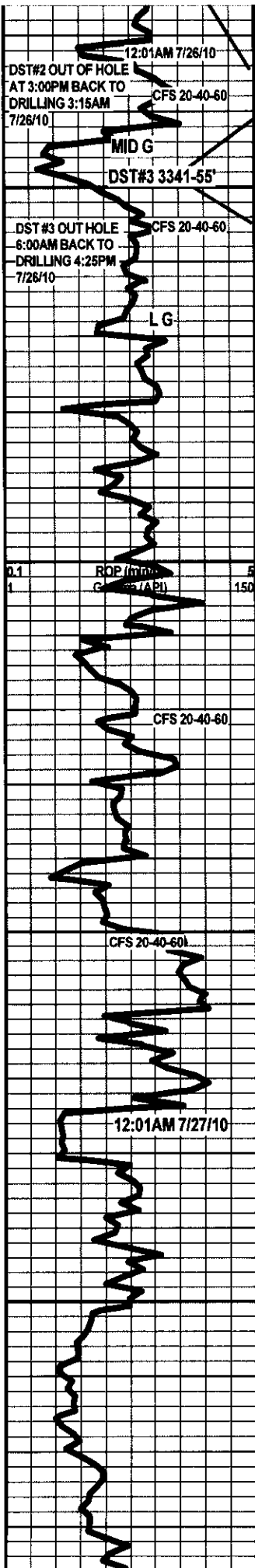
LS- OFF WH LT TN CRM BUFF HD BRITT RE-XLN MTX FN
TO MD CALC XLN IMBD W/ ABDT OOL TR OOLIMOL V/
FOSS DUL YEL TO BRT YEL FLOU FAINT OIL ORDER GD
INT OOL PORO V/ GD SCAT PP PORO SCAT OIL STN TR
OF SFT WH CHLK. SPLS W/ OIL SHOW. BRT BLUE STM
CUT, GLD FLUSH RING CUT. GD SHOW IN SPLS OIL
LEACH IN DISH

LS- LT TN CRM TN LT GY OFF WH HD DNS F-XLN TO V/FN
XLN TT TRS OF IMBD FOSS FRG AND OOL TO SUB
CHLKY IP. DUL YEL FLOU. NO CUT W/ TR OF CHRT
FSRTY WH TO CLR TRNSLU HD SMTH NO VIS SHOW

LANS F 3317'-1343'

LS- TN LT TN CRM BUFF HD BRITT TO MD HD SUB CHLKY
TO SFT WH CHLK I.P. TR IMBD FOSS FRG TR FN WH XLN
IMBD FR INT XLN PORO YEL FLOU NO VIS CUT NO
ORDER NO VIS SHOW





LANS G 3331' -1357'

LS- LT TN TN CRM BUFF HD BRITT RE-XLN V/OOLW P.P. PORO INT OOL PORO TRMD OOL SIZE OOLIMOLIC IMBD FOSS FRG TR WH SFT CHLK, LIVE OIL, OOL BALLS SAT W/OIL, IN THE INT OOL, BRT GLD FLOU GD BLUE STM CUT FAINT ORDER, GD OIL SHOW

LS-OFF WH WH CRM BUFF HD BRITT RE-XLN I.P. V/OOLIMOLIC TO TR / OOL I.P. TO MD XLN CALC QTZ IMBD IN V/ REXLN LS. MOSTLY OOLIMOLIC, SME VUGGY PORO LAST SAMPLE, TR OF SFT WH CHLK W/ GD INT XLN PORO I.P. FAINT ORDER, BRT YEL TO GOLD FLOU, SLOW STM CUT OUT MD XLN LS FR STM CUT OUT OF OOLIMOLIC LS LIVE OIL PRED IN RE-XLN LS AND VUGGY PORO

LS- OFF WH LT TN CRM HD DNS F-XLN TO V/ FN XLN TO MD HD SUB CHLKY TO SI RE-XLN I.P. PAC STN TT NO VIS PORO YEL MIN FLOU NO VIS CUT OR SHOW.

LS- LT TN CRM OFF WH WH BUFF MD HD SUB CHLKY TO VCHLKY I.P. HD DNS TO HD BRITT SLI RE-XLN W SME OOLIMOLIC TR OF OOL I.P. TR IMBD FOSS FRG FR INT OOL PORO TO TT BRT YEL FLOU FR STM AND FLSH CUT IN OOLIMOLIC SPSL BLUE STM CUT OUT OF CHLKY LS.

LS- WH CRM LT TN TO BRN FRM STN HD BRITT RE-XLN TO HD DNS I.P. MD XLN CLR TO FRSTY CALC XLS TO MICRO OOL W/ TRS OF VUGS V/ GD INT XLN POROV/ GD INT OOL PORO IN MICRO OOL GD VUG PORO BRN TO BRK BRN ALMOST BLK STN. OIL STN V/ THICK I.P. BRT GOLD TO YEL GRN FLOU EXC SLOW STREAMY CUT W/ OIL LEACH LEFT IN SPLS STRNG ORDER

LS- OF WH LT TN CRM LT GY BUFF HD DNS CYRTO XLN TO F-XLN TO HD BRITT RE-XLN MD CALC XLS TO OOL FR TO PR INT XLN AND INT OOL PORO TO SUB CHLKY AND ABDLY TT, YEL TO GOLD FLOU TR FLUSH TO SLT RING CUT IN RE-XLN SPLS NO ORDER FAIR SHOW

LS- OFF WH LT TN TN, BRN FRM STN HD BRITT ABDT OOLIMOLIC RE-XLN MDE XLN W/ OOL AND IMBD FOSS FRG FN TO MD XLN XLS OOLIMOLIC PORO TO TR INT XLN PORO YEL TO GLD FLOU FR TO GD STM AND FLSH CUT

LS- OFF WH LT TN CRM HD DNS F-XLN TO V/ FN XLN TO MD HD SUB CHLKY TO SI RE-XLN I.P. PAC STN TT NO VIS PORO YEL MIN FLOU NO VIS CUT OR SHOW.

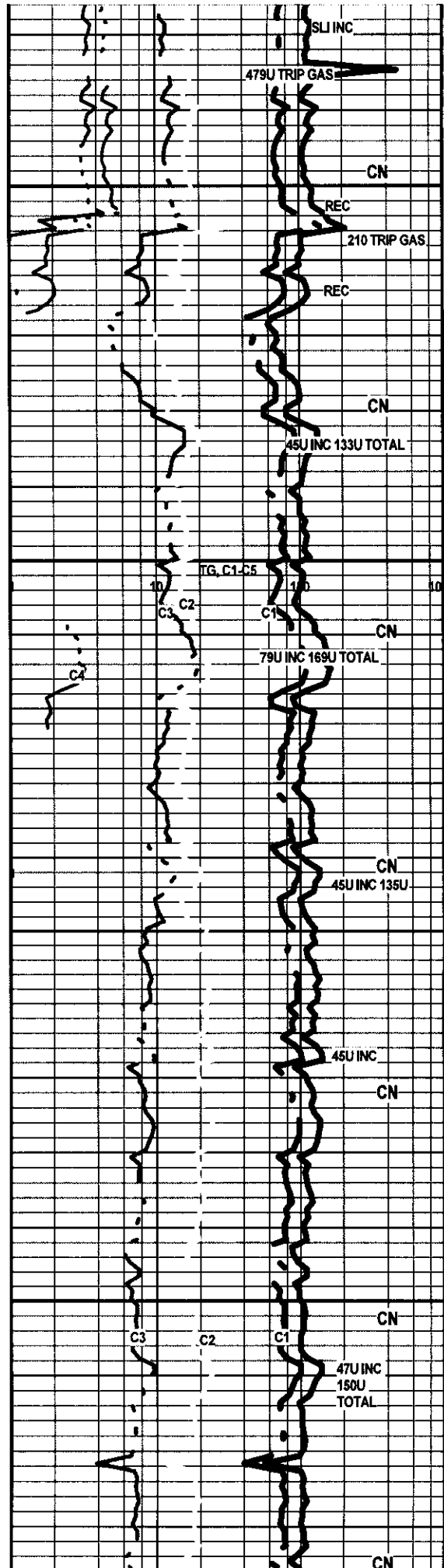
SH- GY DK GY FRM TO SFT MD TO SLTY TXT CALC TO SLI CALC

ls- cong LT TN TO BUFF WITH IMBD SUB-ANG QRTZ XLS SMALL TO MD IP SUB-ANG TO SUB-RND SS GRNS TR GLAC TR IMBD SH IP THREE CLUSTERS VRY SMALL SUB-RND TO RND SS GRNS CLEARLY TO LT GRY FAIR SORT WITH SILICIOUS CMNT TR OIL STAIN IN PART ONLY TR SCATT DULL YLW FLO POOR FLUSH CUT TO VERY POOR SPURTY STREAMING CUT POSS TT POOR INTERGRAN TO TR POOR INTERXLN POR

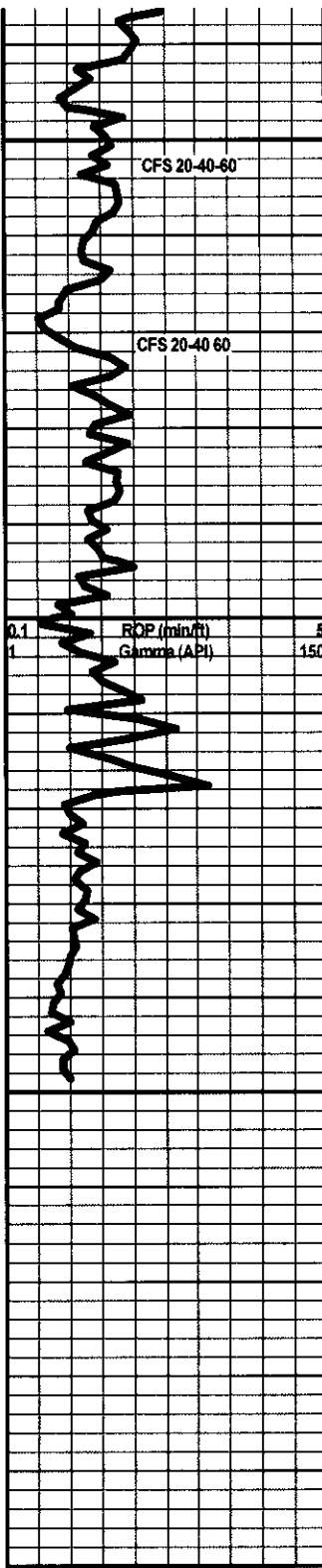
SS- PALE GRN TO FRSTY YELLOW TO CLR FN TO V/ FN GN S, ANG S, RND RND CALC CMNT PR SRT FR INT GN PORO GLAUC I.P. TR OF DIED OIL STN DULL YEL FLOU FR FLUSH CUT

SH- RED TO MARN SFT GUMMY TO GY SLTY I.P.

CHRT- OFF WH LT GY LT TN HD SMTH OPEC NO V/ SHOW W/ DOLO OFF WH LT TN HD DNS TO HD BRITT F-XLN TO CRPTO XLN TT YEL MIN FLOU NO VIS SHOW IN SPLS



ARBUCKLE 3535'-1561'



DOLO- OFF WH WH CRM HD DNS TO HD BRITT CRS
 SUCRO W/ ABDT FN TO LG DOLO GRNS THRU OUT
 RE-XLN I.P. MD XLS TR OF PRYT GD TO V/ GD INT GRN
 DOLO PORO SCAT MICRO VUG PORO BRT YEL GLOD
 FLOU SPOTTED LIVE OIL IN INT GNS, V/ GD STM AND
 FLSSH CUT OIL LEACH IN DISH 30% DOLO IN SPLS

DOLO- OFF WH WH CRM HD DNS TO HD BRITT CRS
 SUCRO W/ ABDT FN TO LG DOLO GRNS THRU OUT
 RE-XLN I.P. MD XLS TR OF PRYT GD TO V/ GD INT GRN
 DOLO PORO SCAT MICRO VUG PORO BRT YEL GLOD
 FLOU SPOTTED LIVE OIL IN INT GNS, V/ GD STM AND
 FLSSH CUT OIL LEACH IN DISH 70% DOLO IN SPLS

DOLO- WH TO BRT WH TO LT TN CRM I.P HD DNS TO HD
 BRITT TO MHD CRS SUCROMTRX ABDT MD TO SMALL
 IMBD DOLO GNS THRU OUT. TR OF MICO OOL I.P. GD INT
 DOLO GN PORO SCAT GLD FLOU TR OF STM IN VERY
 FEW SPLS TR OF WH OPEC HD SMTH CHRT IN SPLS

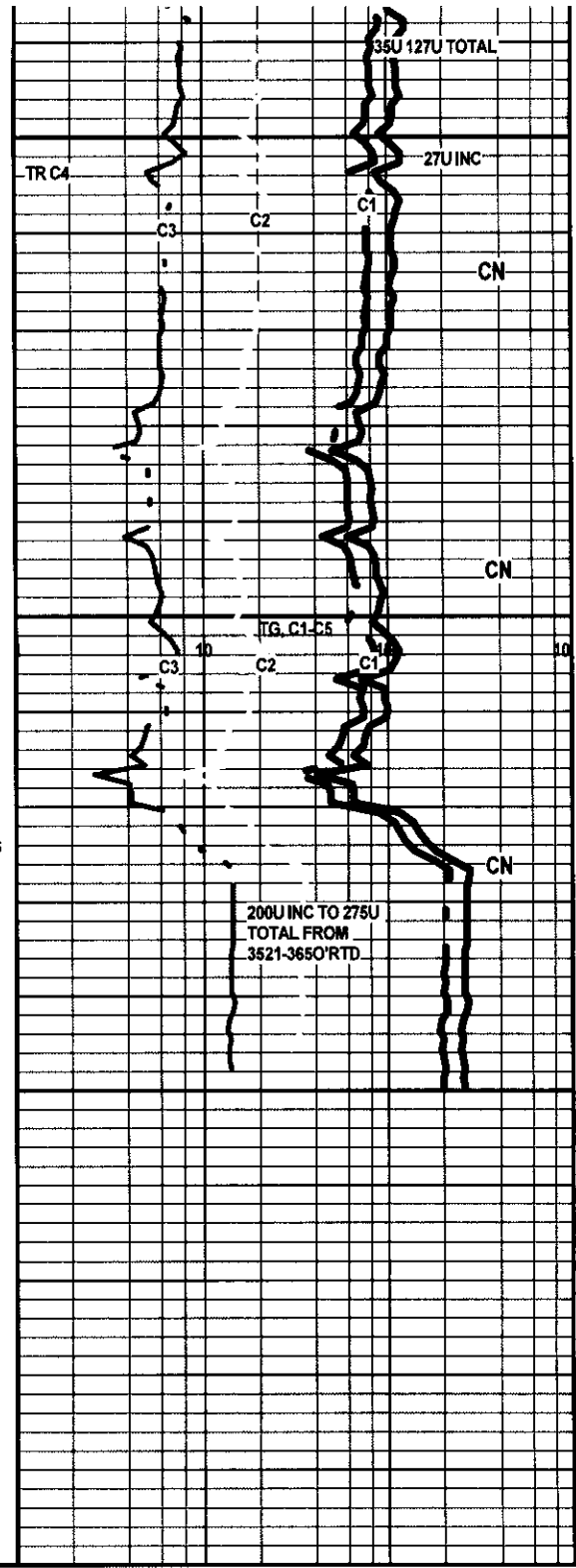
DOLO- WH TO BRT WH TO LT TN CRM I.P HD DNS TO HD
 BRITT TO MHD CRS SUCROMTRX ABDT MD TO SMALL
 IMBD DOLO GNS THRU OUT. TR OF MICO OOL I.P. GD INT
 DOLO GN PORO SCAT GLD FLOU TR OF FLUSH CUT IN
 SPLS W/ CHRT WH FRSTY WH HD SMTH OPEC TT NO
 SHOWS

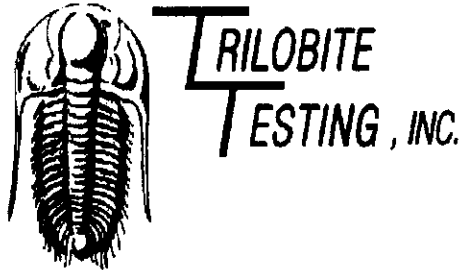
DOLO- OFF WH WH CRM HD BRITT TO CRS SUCRO TO
 OOLIMOLIC LG TO FN DOLO GNIMBD THRU OUT TR FOSS
 FRG, TR KALO OOLIMOLIC PORO TO INT DOLO GN PORO
 TO TR INT OOL PORO BRT YEL FLOU FR STM CUT FR
 FLSSH CUT FR SHOW IN SPLS

DOLO- OFF WH WH CRM HD BRITT TO CRS SUCRO TO
 OOLIMOLIC LG TO FN DOLO GNIMBD THRU OUT TR
 KALO OOLIMOLIC PORO TO INT DOLO GN PORO TO TR
 INT OOL PORO BRT YEL FLOU FR STM CUT FR FLSSH
 CUT FR SHOW IN SPLS

RTD 3650' 8:45AM 7/27/10

**LOG BY JERRY DEAN THANK
 YOU FOR USING
 EARTH-TECH**





DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr & Assoc. inc**

1515 Wynkoop, ste 700
Denver Co. 80202

ATTN: Tom Fertal

25-16s-16w Rush co.

Maier-Schneider #1-25

Start Date: 2010.07.24 @ 22:30:01

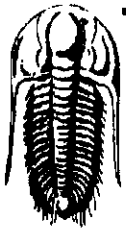
End Date: 2010.07.25 @ 06:35:30

Job Ticket #: 039891 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr & Assoc. inc
 1515 Wynkoop, ste 700
 Denver Co. 80202
 ATTN: Tom Fertal

Maier-Schneider #1-25
25-16s-16w Rush co.
 Job Ticket: 039891 **DST#: 1**
 Test Start: 2010.07.24 @ 22:30:01

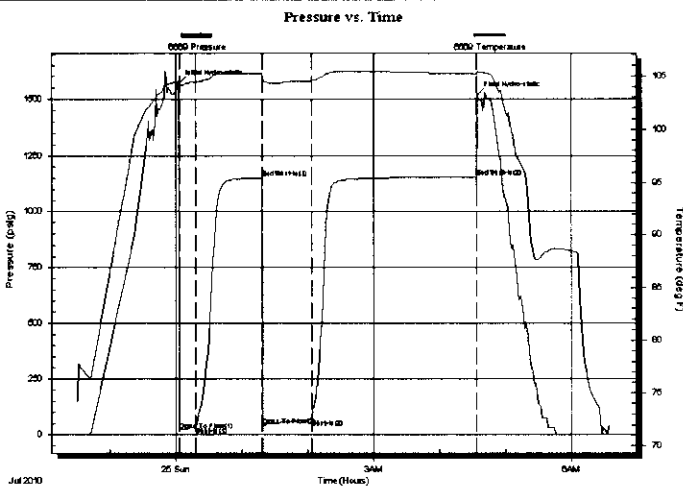
GENERAL INFORMATION:

Formation: **LKC-A-C**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 00:03:00
 Time Test Ended: 06:35:30
 Interval: **3223.00 ft (KB) To 3284.00 ft (KB) (TVD)**
 Total Depth: **3284.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**
 Tester: **Andy Carreira**
 Unit No: **53**
 Reference Elevations: **1974.00 ft (KB)**
1966.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 6669 **Outside**
 Press@RunDepth: **69.19 psig @ 3228.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.07.24** End Date: **2010.07.25** Last Calib.: **2010.07.25**
 Start Time: **22:30:01** End Time: **06:35:30** Time On Btm: **2010.07.25 @ 00:02:15**
 Time Off Btm: **2010.07.25 @ 04:34:30**

TEST COMMENT: **IF: BOB, 5min.**
IS: No Return
FF: BOB, right aw ay
IS: No Return



PRESSURE SUMMARY

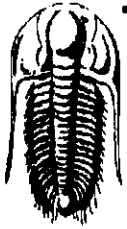
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1567.06	104.48	Initial Hydro-static
1	20.02	104.14	Open To Flow (1)
16	34.23	104.44	Shut-In(1)
76	1153.17	105.24	End Shut-In(1)
77	39.32	104.69	Open To Flow (2)
121	69.19	104.56	Shut-In(2)
271	1156.63	105.20	End Shut-In(2)
273	1519.43	105.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbt)
60.00	OCGM g=30% o=30% m=40%	0.84
70.00	OCGM g=40% o=30% m=30%	0.98
0.00	1550ft = GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr & Assoc. inc
 1515 Wynkoop, ste 700
 Denver Co. 80202
 ATTN: Tom Fertal

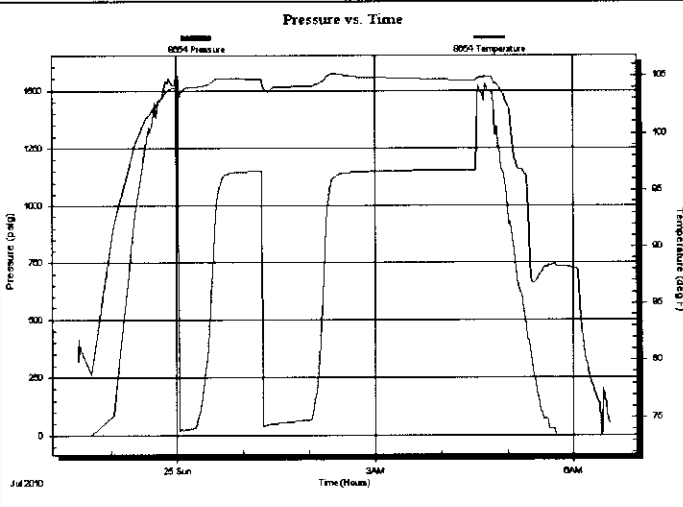
Maier-Schneider #1-25
25-16s-16w Rush co.
 Job Ticket: 039891 **DST#: 1**
 Test Start: 2010.07.24 @ 22:30:01

GENERAL INFORMATION:

Formation: **LKC-A-C**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 00:03:00 Tester: Andy Carreira
 Time Test Ended: 06:35:30 Unit No: 53
 Interval: **3223.00 ft (KB) To 3284.00 ft (KB) (TVD)** Reference Elevations: 1974.00 ft (KB)
 Total Depth: 3284.00 ft (KB) (TVD) 1966.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8654 Inside
 Press@RunDepth: psig @ 3228.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.07.24 End Date: 2010.07.25 Last Calib.: 2010.07.25
 Start Time: 22:30:01 End Time: 06:34:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB, 5min.
 IS: No Return
 FF: BOB, right aw ay
 IS: No Return



PRESSURE SUMMARY

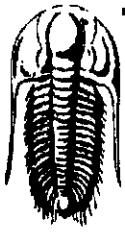
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCCGM g=30% o=30% m=40%	0.84
70.00	OCCGM g=40% o=30% m=30%	0.98
0.00	1550ft = GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Assoc. inc

Maier-Schneider #1-25

1515 Wynkoop, ste 700
Denver Co. 80202

25-16s-16w Rush co.

Job Ticket: 039891

DST#: 1

ATTN: Tom Fertal

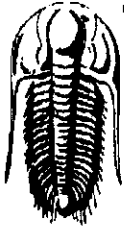
Test Start: 2010.07.24 @ 22:30:01

Tool Information

Drill Pipe:	Length: 3220.00 ft	Diameter: 3.80 inches	Volume: 45.17 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 45.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3223.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	89.00 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			3196.00	
Shut In Tool	5.00			3201.00	
Hydraulic tool	5.00			3206.00	
Jars	5.00			3211.00	
Safety Joint	3.00			3214.00	
Packer	5.00			3219.00	28.00 Bottom Of Top Packer
Packer	4.00			3223.00	
Stubb	1.00			3224.00	
Perforations	3.00			3227.00	
Change Over Sub	1.00			3228.00	
Recorder	0.00	8654	Inside	3228.00	
Recorder	0.00	6669	Outside	3228.00	
Drill Pipe	32.00			3260.00	
Change Over Sub	1.00			3261.00	
Perforations	20.00			3281.00	
Bullnose	3.00			3284.00	61.00 Bottom Packers & Anchor
Total Tool Length:	89.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Assoc. inc

Maier-Schneider #1-25

1515 Wynkoop, ste 700
Denver Co. 80202

25-16s-16w Rush co.

Job Ticket: 039891 **DST#: 1**

ATTN: Tom Fertal

Test Start: 2010.07.24 @ 22:30:01

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

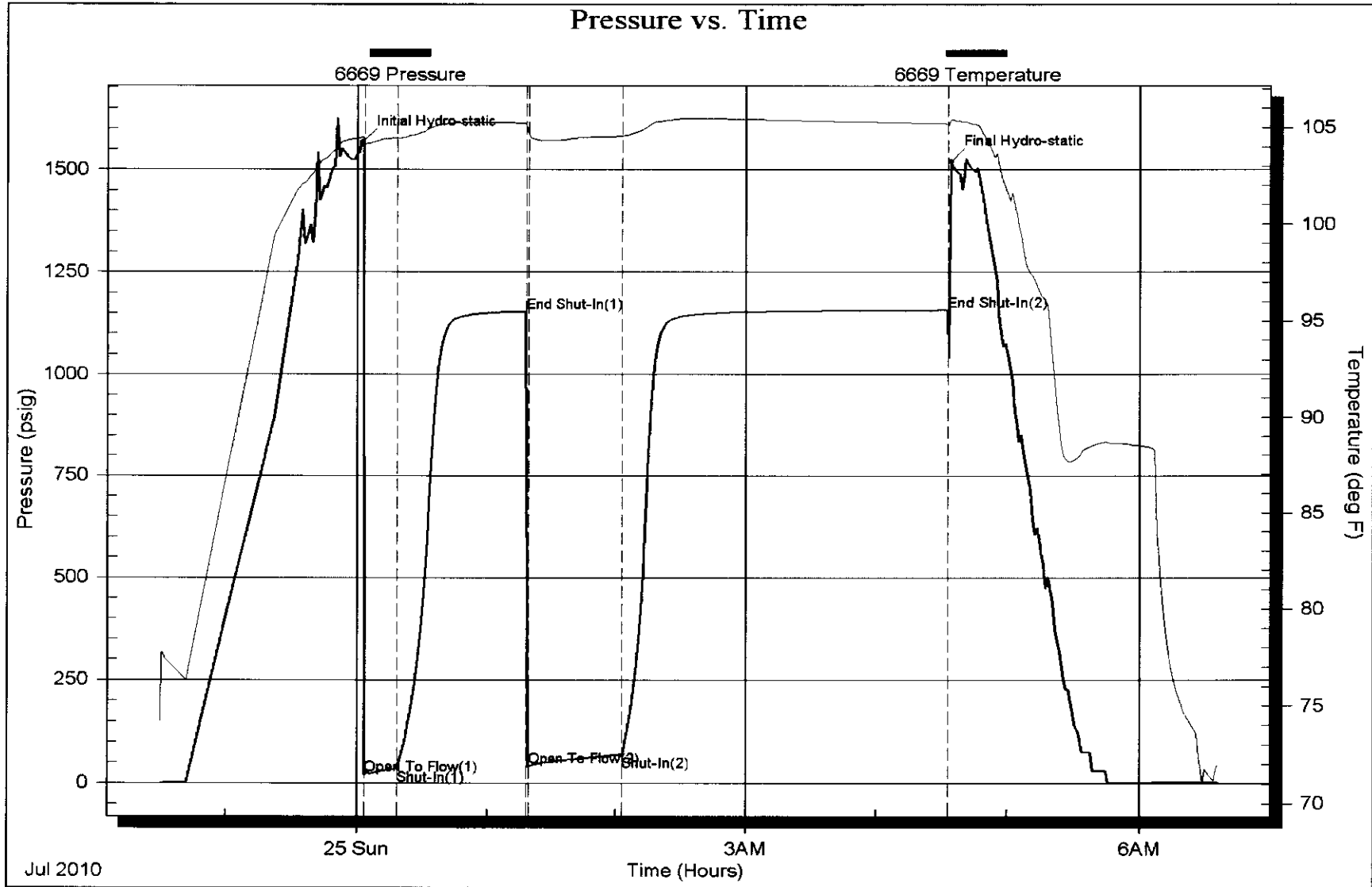
Length ft	Description	Volume bbl
60.00	OCCGM g=30% o=30% m=40%	0.842
70.00	OCCGM g=40% o=30% m=30%	0.982
0.00	1550ft = GIP	0.000

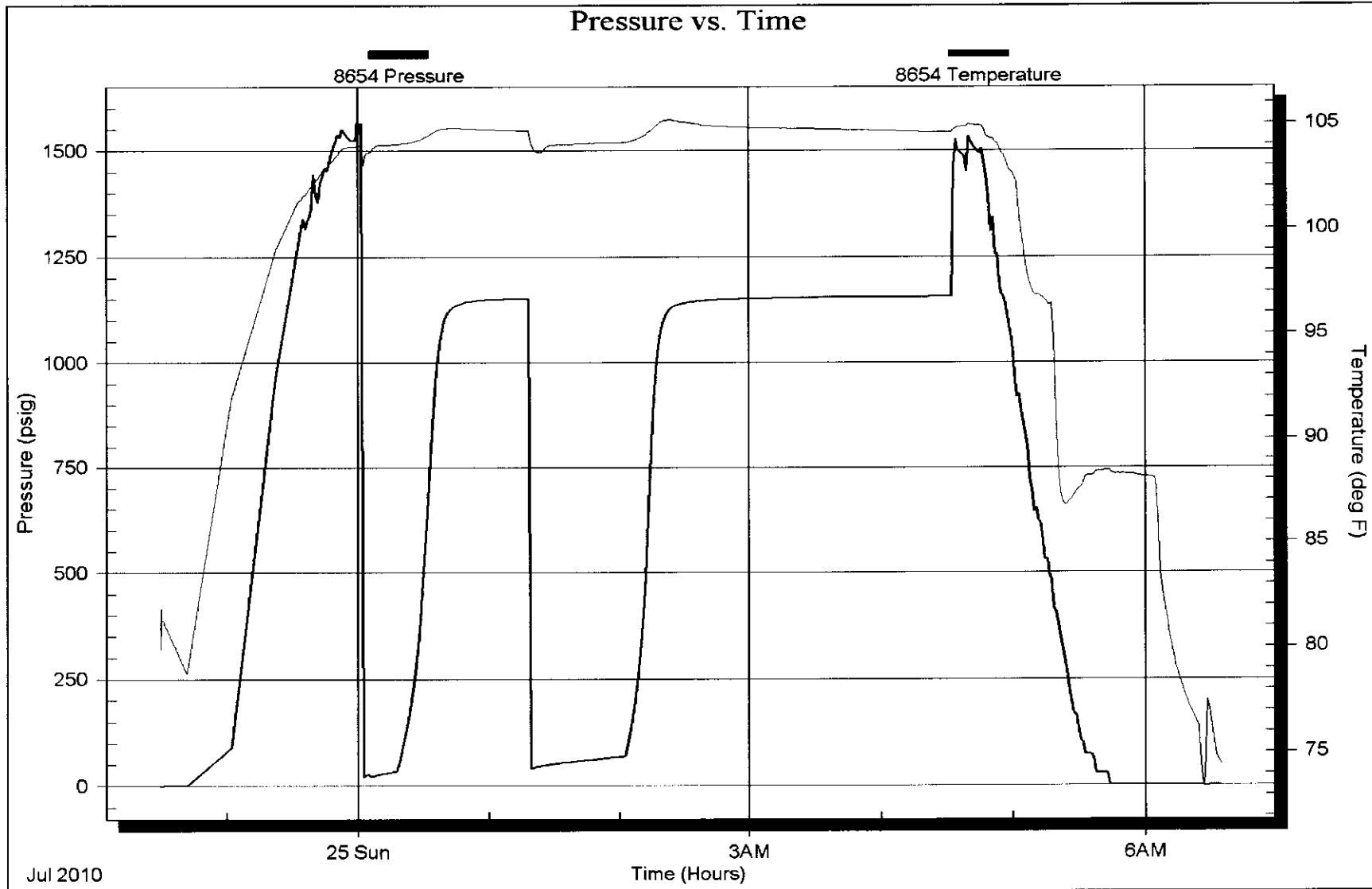
Total Length: 130.00 ft Total Volume: 1.824 bbl

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

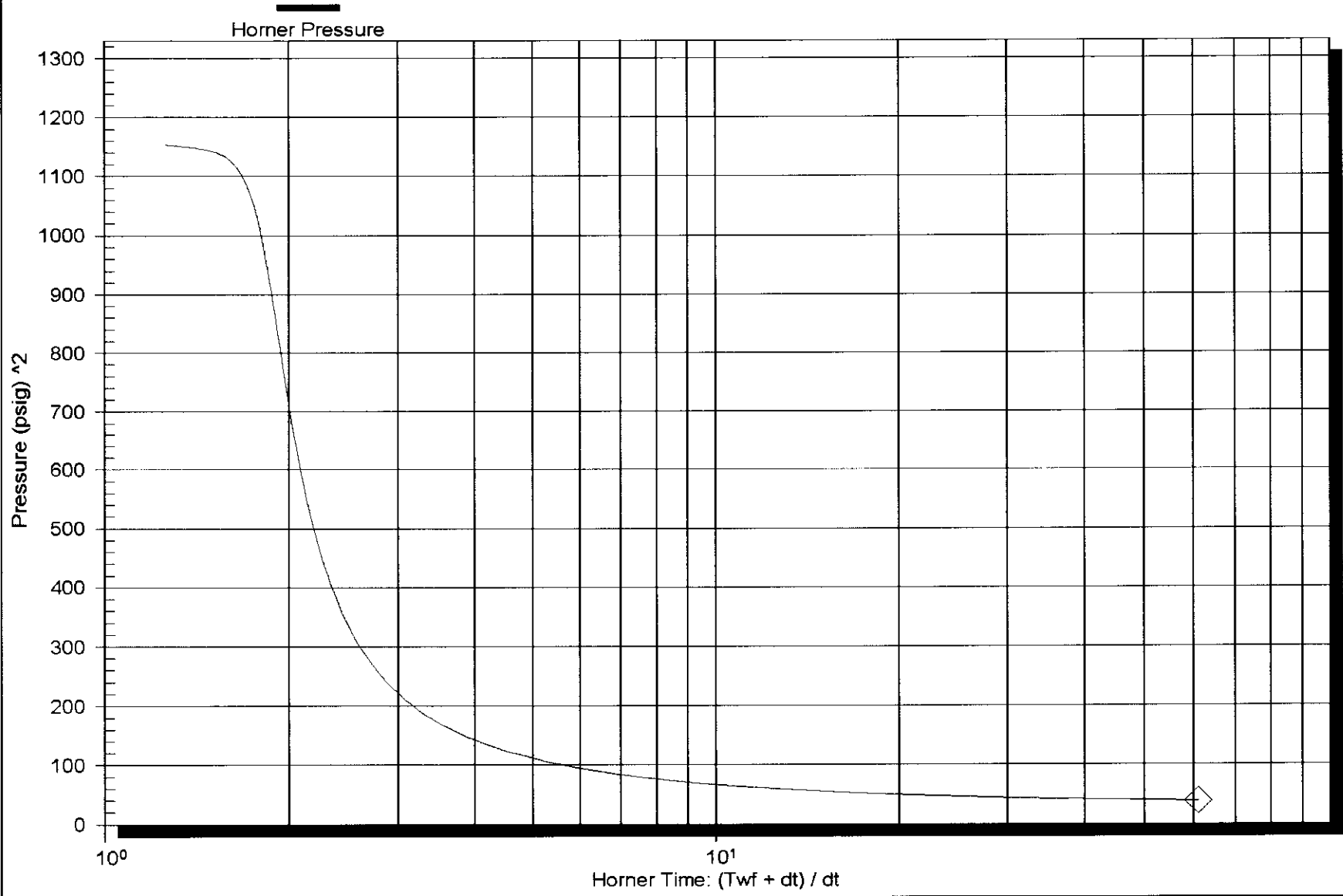
Laboratory Name: Laboratory Location:

Recovery Comments:

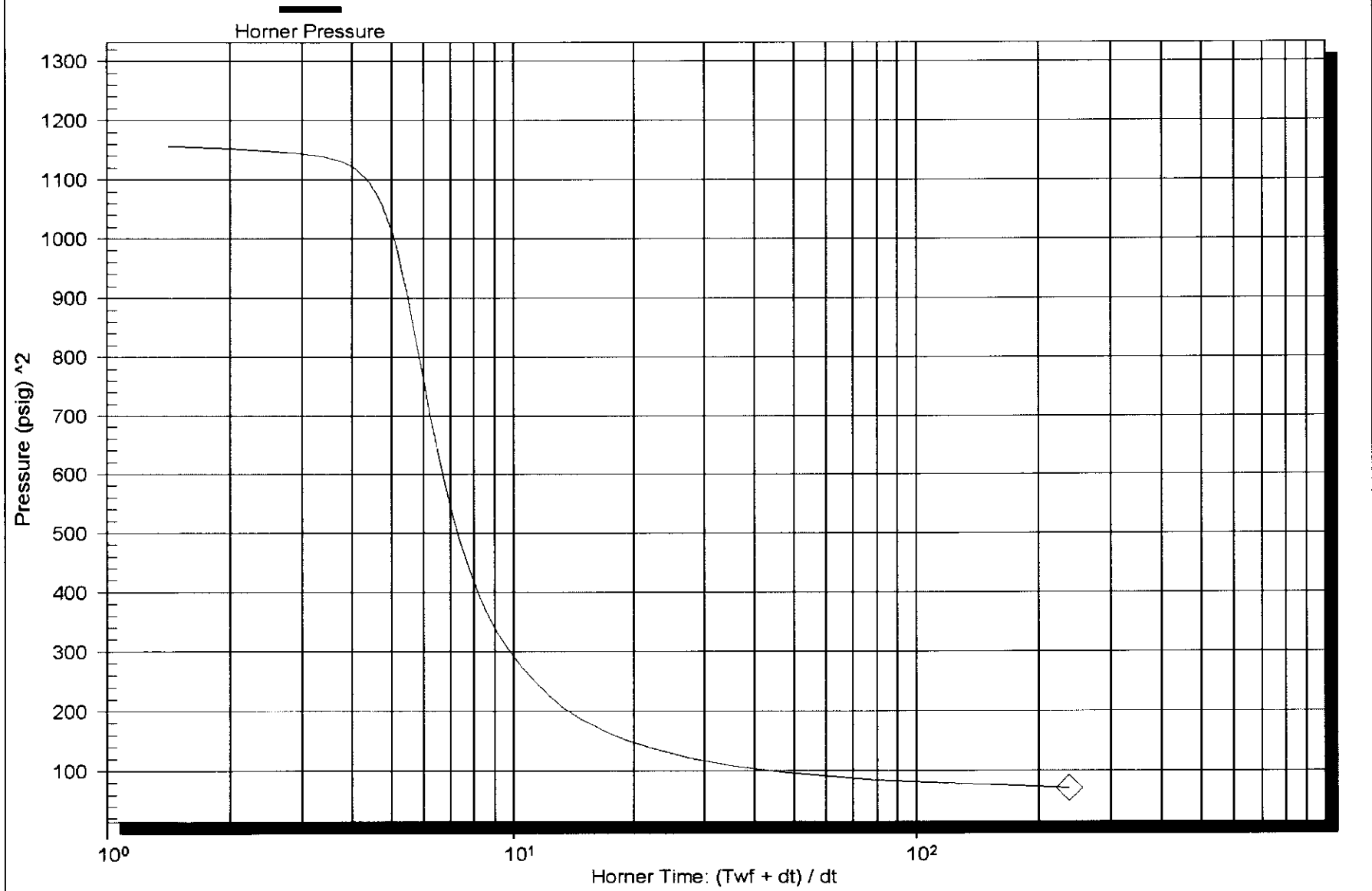


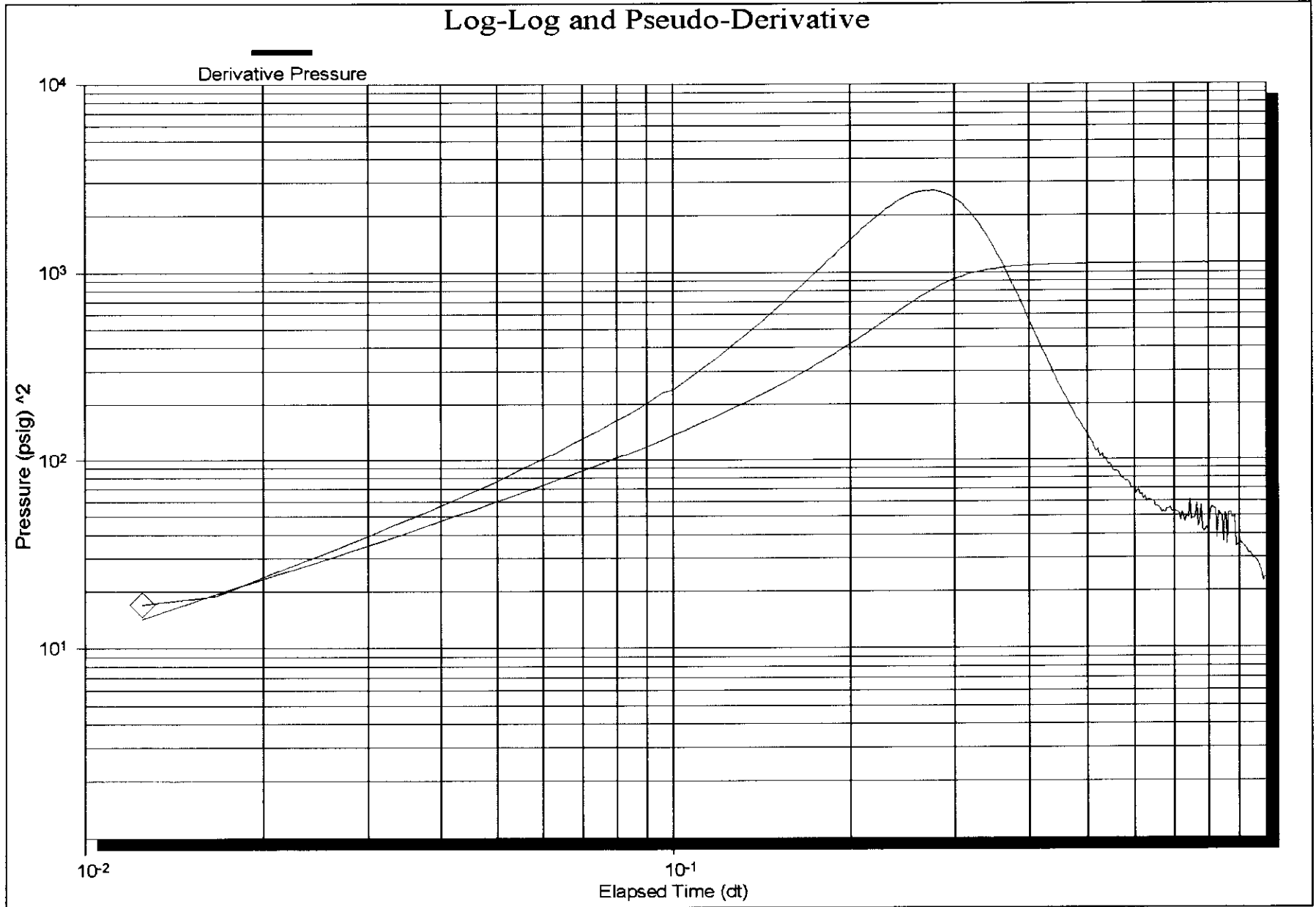


Horner Plot

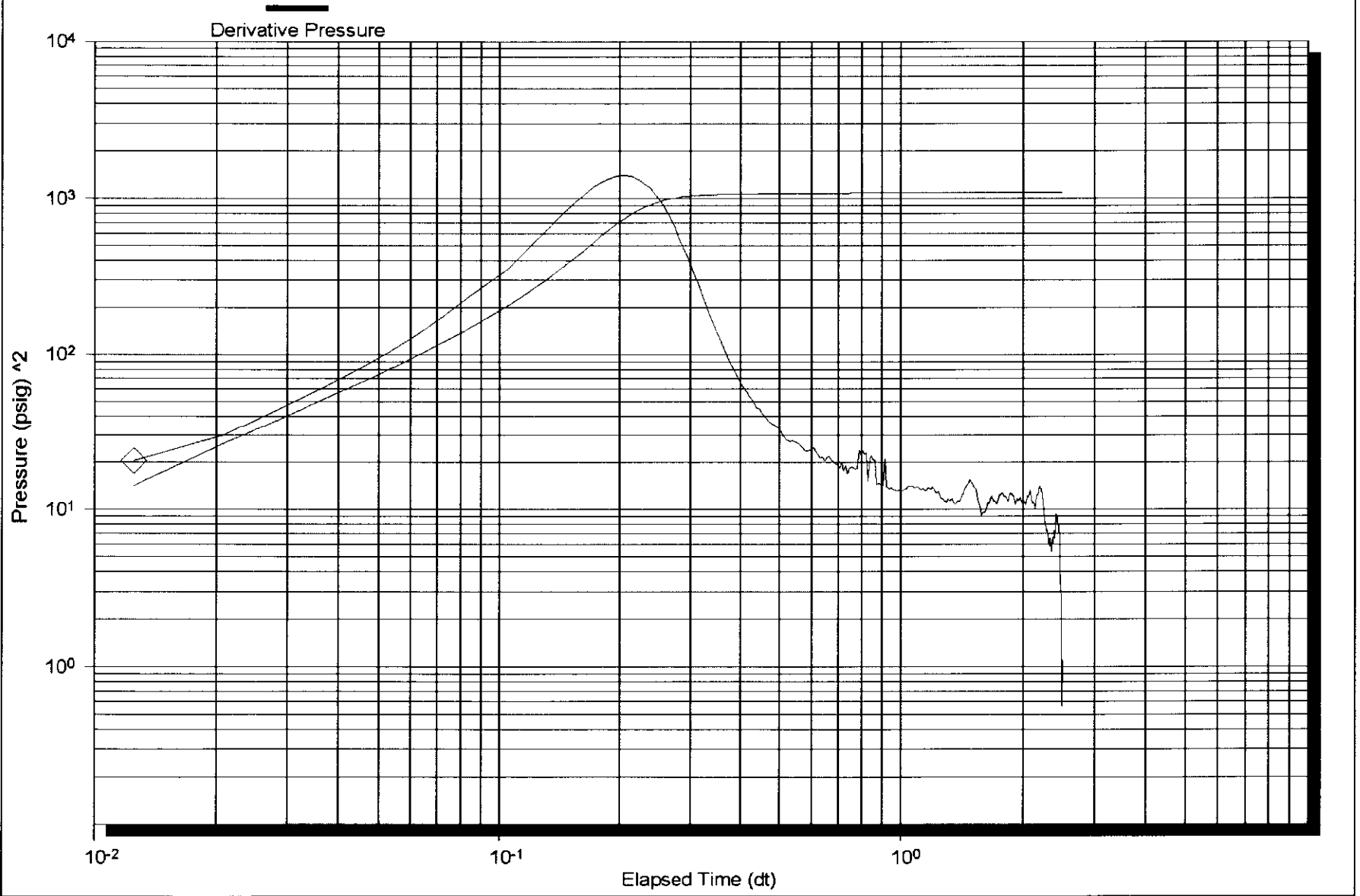


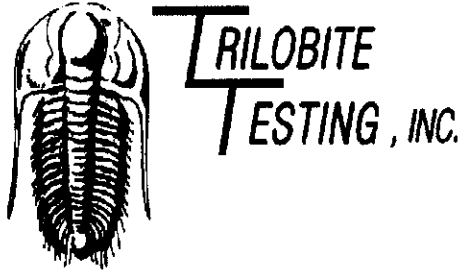
Horner Plot





Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr & Assoc. inc**

1515 Wynkoop, ste 700
Denver Co. 80202

ATTN: Tom Fertal

25-16s-16w Rush co.

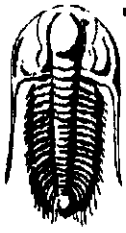
Maier-Schneider #1-25

Start Date: 2010.07.25 @ 16:15:01

End Date: 2010.07.26 @ 00:19:30

Job Ticket #: 039892 DST #: 2

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr & Assoc. inc
 1515 Wynkoop, ste 700
 Denver Co. 80202
 ATTN: Tom Fertal

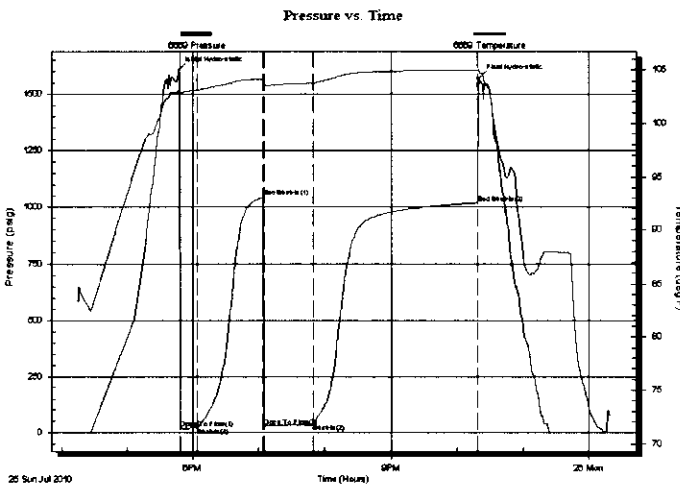
Maier-Schneider #1-25
25-16s-16w Rush co.
 Job Ticket: 039892 **DST#: 2**
 Test Start: 2010.07.25 @ 16:15:01

GENERAL INFORMATION:

Formation: **LKC-F & upper G**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 17:48:45 Tester: Andy Carreira
 Time Test Ended: 00:19:30 Unit No: 53
 Interval: **3310.00 ft (KB) To 3335.00 ft (KB) (TVD)** Reference Elevations: 1974.00 ft (KB)
 Total Depth: 3284.00 ft (KB) (TVD) 1966.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6669 Outside
 Press@RunDepth: 38.89 psig @ 3311.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.07.25 End Date: 2010.07.26 Last Calib.: 2010.07.26
 Start Time: 16:15:01 End Time: 00:19:30 Time On Btm: 2010.07.25 @ 17:47:15
 Time Off Btm: 2010.07.25 @ 22:20:15

TEST COMMENT: IF: BOB, 10 min
 IS: No return
 FF: BOB, immediately
 FS: No return



PRESSURE SUMMARY

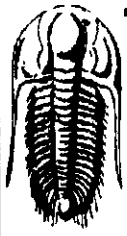
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1605.07	103.02	Initial Hydro-static
2	19.72	102.73	Open To Flow (1)
18	24.45	103.09	Shut-In(1)
77	1043.39	104.18	End Shut-In(1)
78	28.51	103.68	Open To Flow (2)
122	38.89	103.77	Shut-In(2)
272	1017.87	104.94	End Shut-In(2)
273	1569.63	104.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	OCGM o=30% g=10% m=50%	0.98
0.00	744 ft GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr & Assoc. inc
 1515 Wynkoop, ste 700
 Denver Co. 80202
 ATTN: Tom Fertal

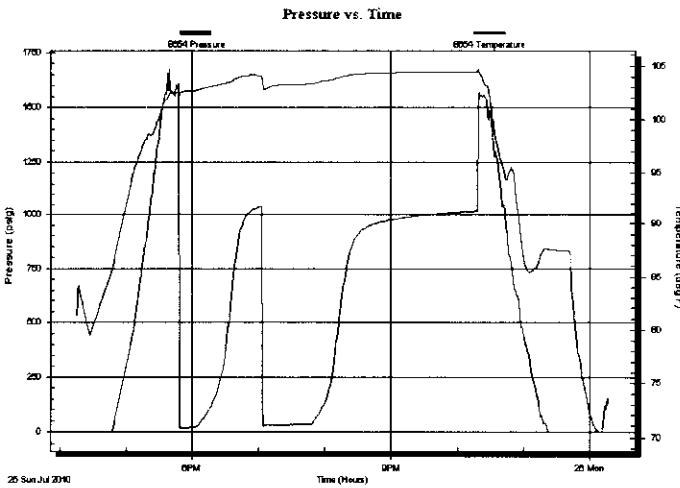
Maier-Schneider #1-25
25-16s-16w Rush co.
 Job Ticket: 039892 **DST#: 2**
 Test Start: 2010.07.25 @ 16:15:01

GENERAL INFORMATION:

Formation: **LKC-F & upper G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:48:45
 Time Test Ended: 00:19:30
 Interval: **3310.00 ft (KB) To 3335.00 ft (KB) (TVD)**
 Total Depth: 3284.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Andy Carreira
 Unit No: 53
 Reference Elevations: 1974.00 ft (KB)
 1966.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8654 Inside
 Press@RunDepth: psig @ 3311.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.07.25 End Date: 2010.07.26 Last Calib.: 2010.07.26
 Start Time: 16:15:01 End Time: 00:18:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: BOB, 10 min
 IS: No return
 FF: BOB, immediately
 FS: No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
70.00	OCGM o=30% g=10% m=50%	0.98
0.00	744 ft GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Assoc. inc
1515 Wynkoop, ste 700
Denver Co. 80202
ATTN: Tom Fertal

Maier-Schneider #1-25
25-16s-16w Rush co.
Job Ticket: 039892 **DST#: 2**
Test Start: 2010.07.25 @ 16:15:01

Tool Information

Drill Pipe:	Length: 3286.00 ft	Diameter: 3.80 inches	Volume: 46.09 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 46.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3310.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 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			3283.00	
Shut In Tool	5.00			3288.00	
Hydraulic tool	5.00			3293.00	
Jars	5.00			3298.00	
Safety Joint	3.00			3301.00	
Packer	5.00			3306.00	28.00 Bottom Of Top Packer
Packer	4.00			3310.00	
Stubb	1.00			3311.00	
Recorder	0.00	8654	Inside	3311.00	
Recorder	0.00	6669	Outside	3311.00	
Perforations	21.00			3332.00	
Bullnose	3.00			3335.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Assoc. inc
1515 Wynkoop, ste 700
Denver Co. 80202
ATTN: Tom Fertal

Maier-Schneider #1-25
25-16s-16w Rush co.
Job Ticket: 039892 **DST#: 2**
Test Start: 2010.07.25 @ 16:15:01

Mud and Cushion Information

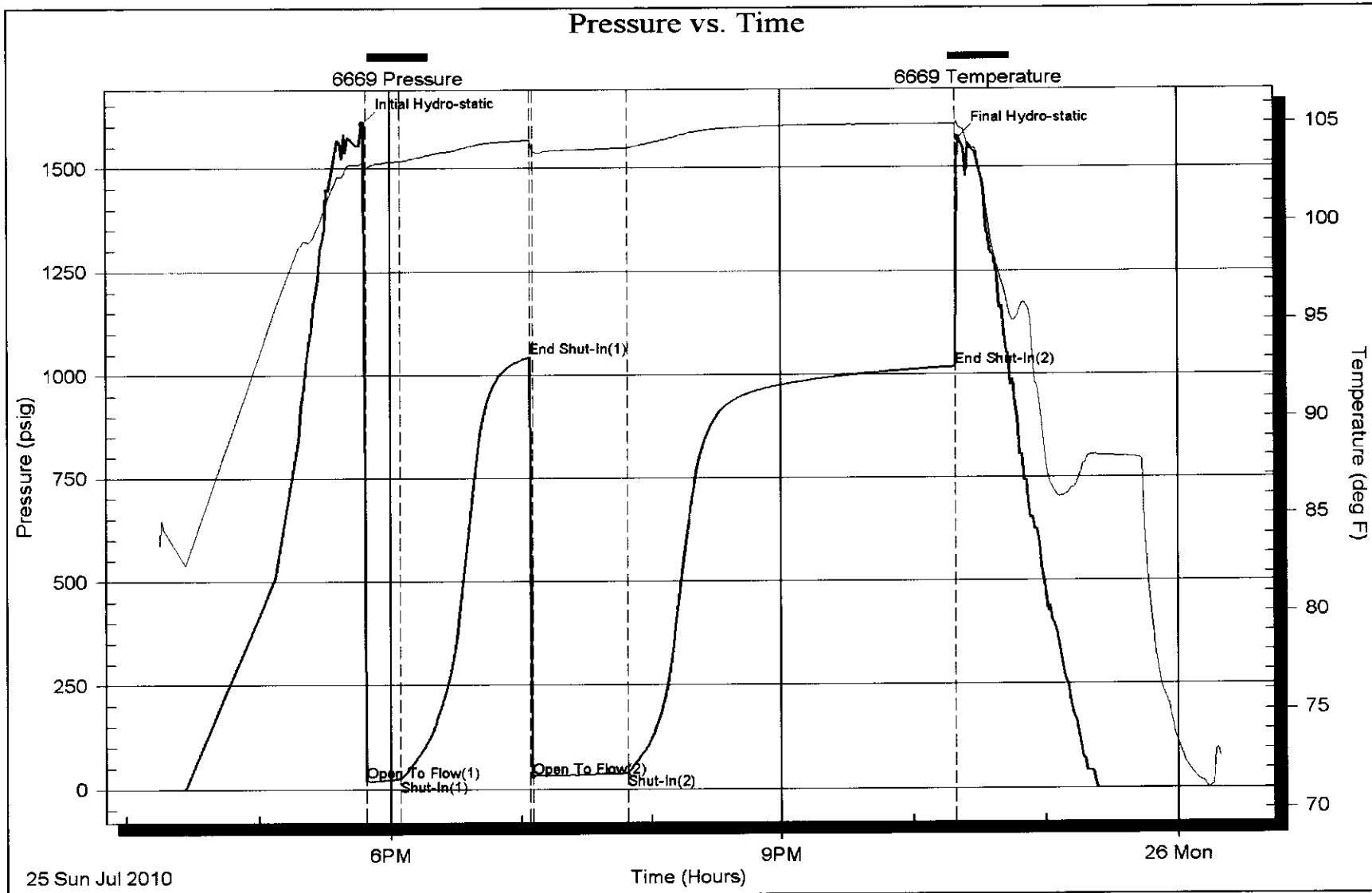
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6700.00 ppm			
Filter Cake: inches			

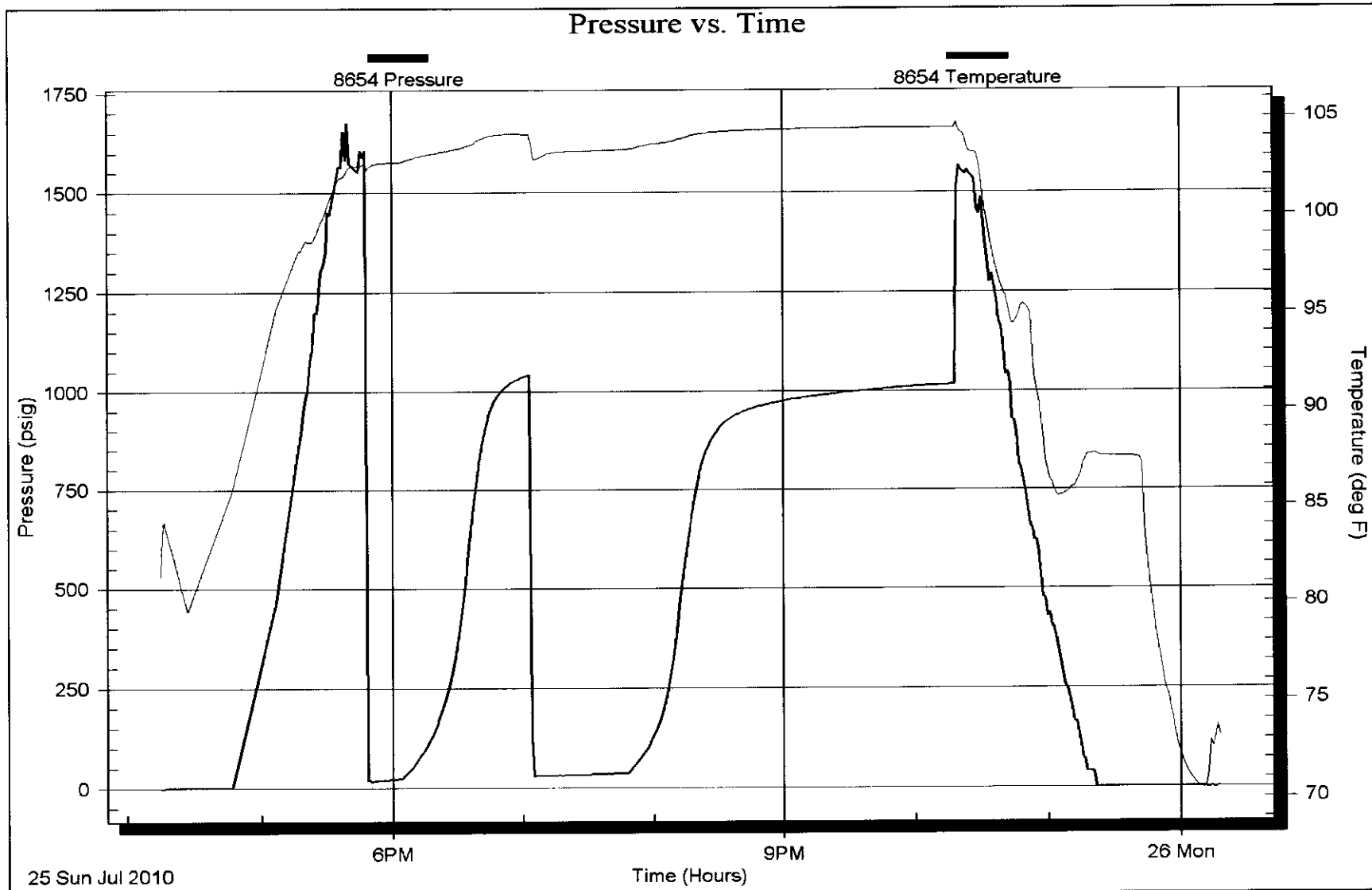
Recovery Information

Recovery Table

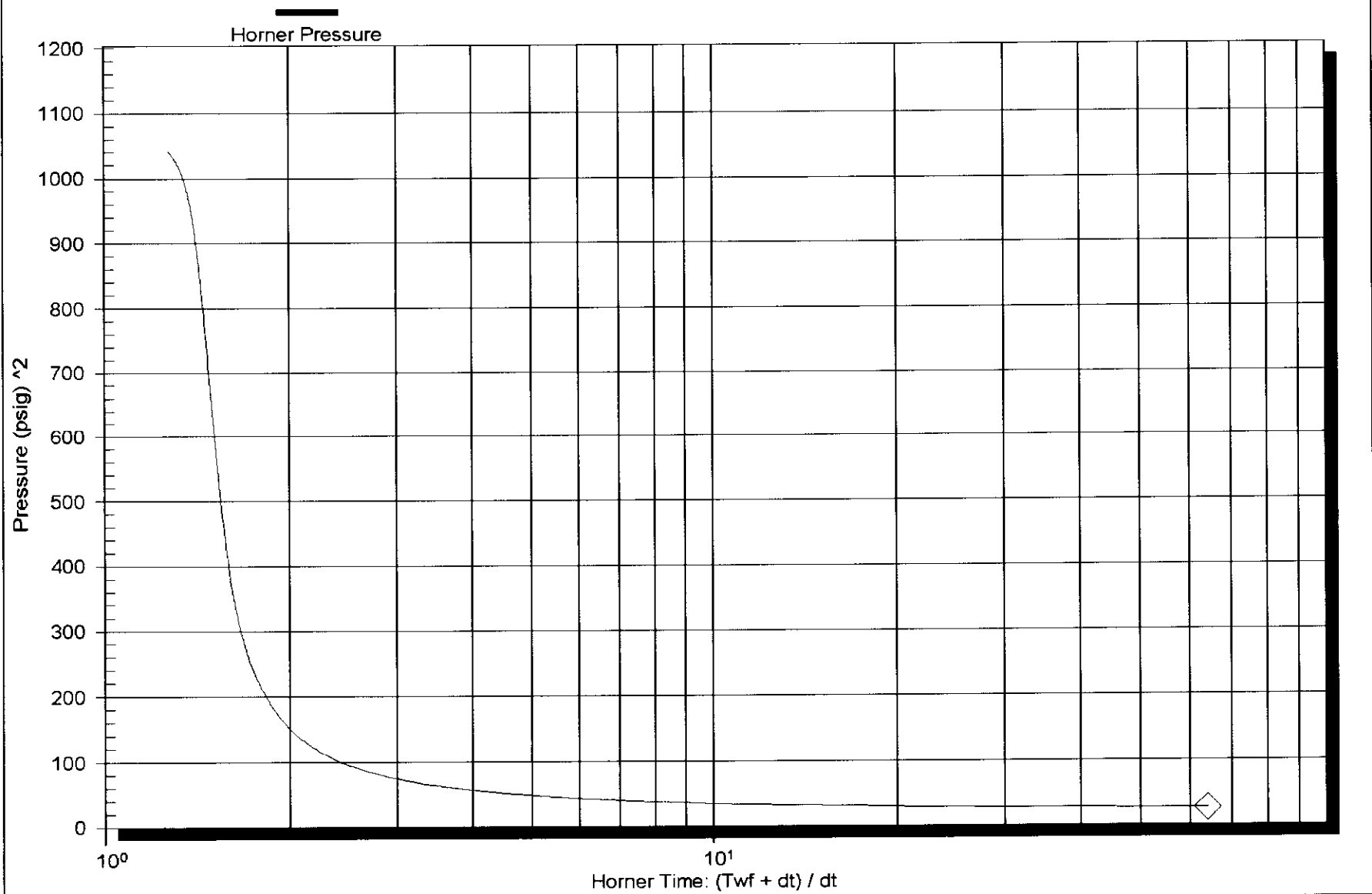
Length ft	Description	Volume bbl
70.00	OCGM o=30% g=10% m=50%	0.982
0.00	744 ft GIP	0.000

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:





Horner Plot



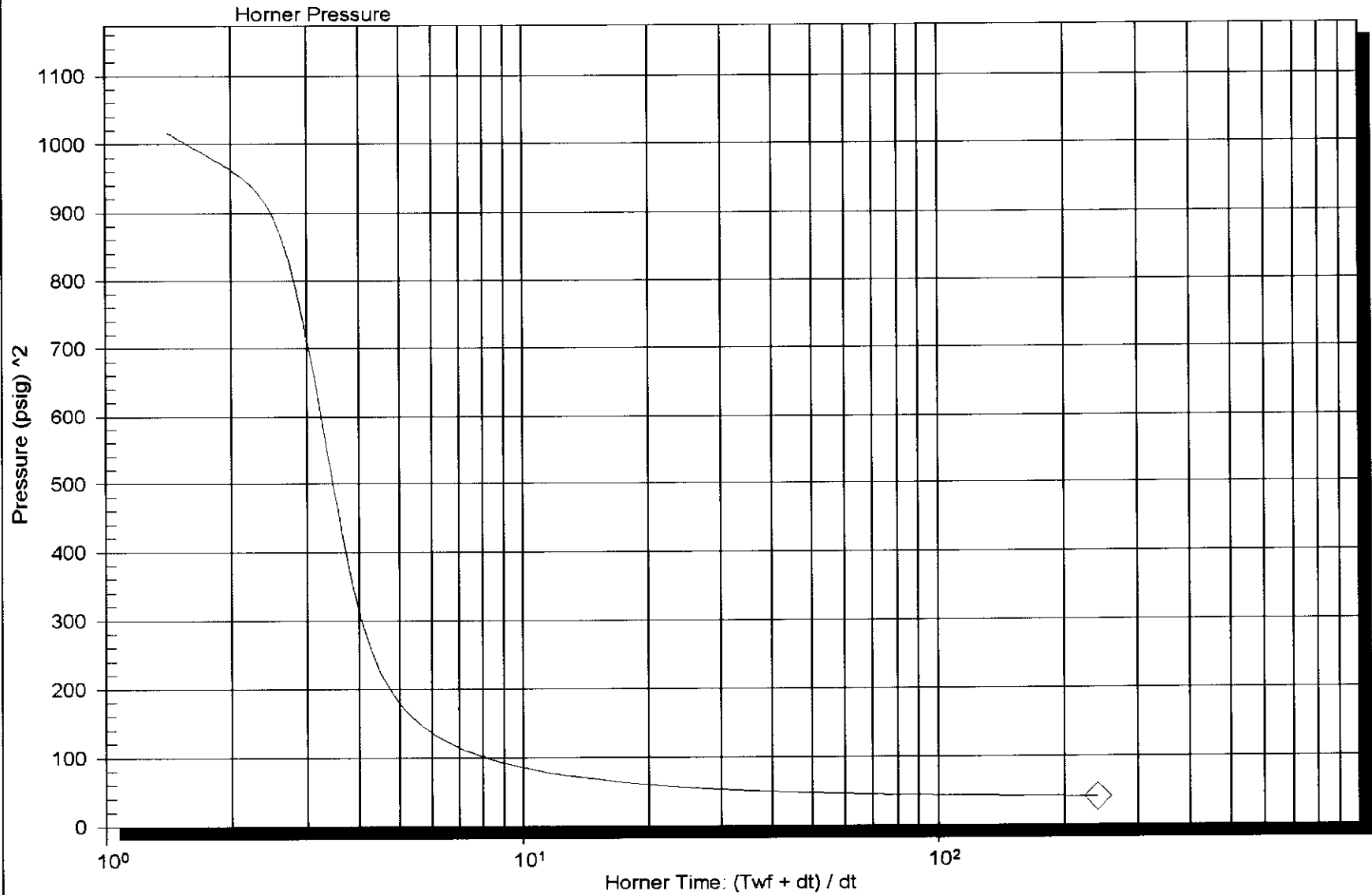
Serial Number: 6669 (Outside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1

Horner Plot

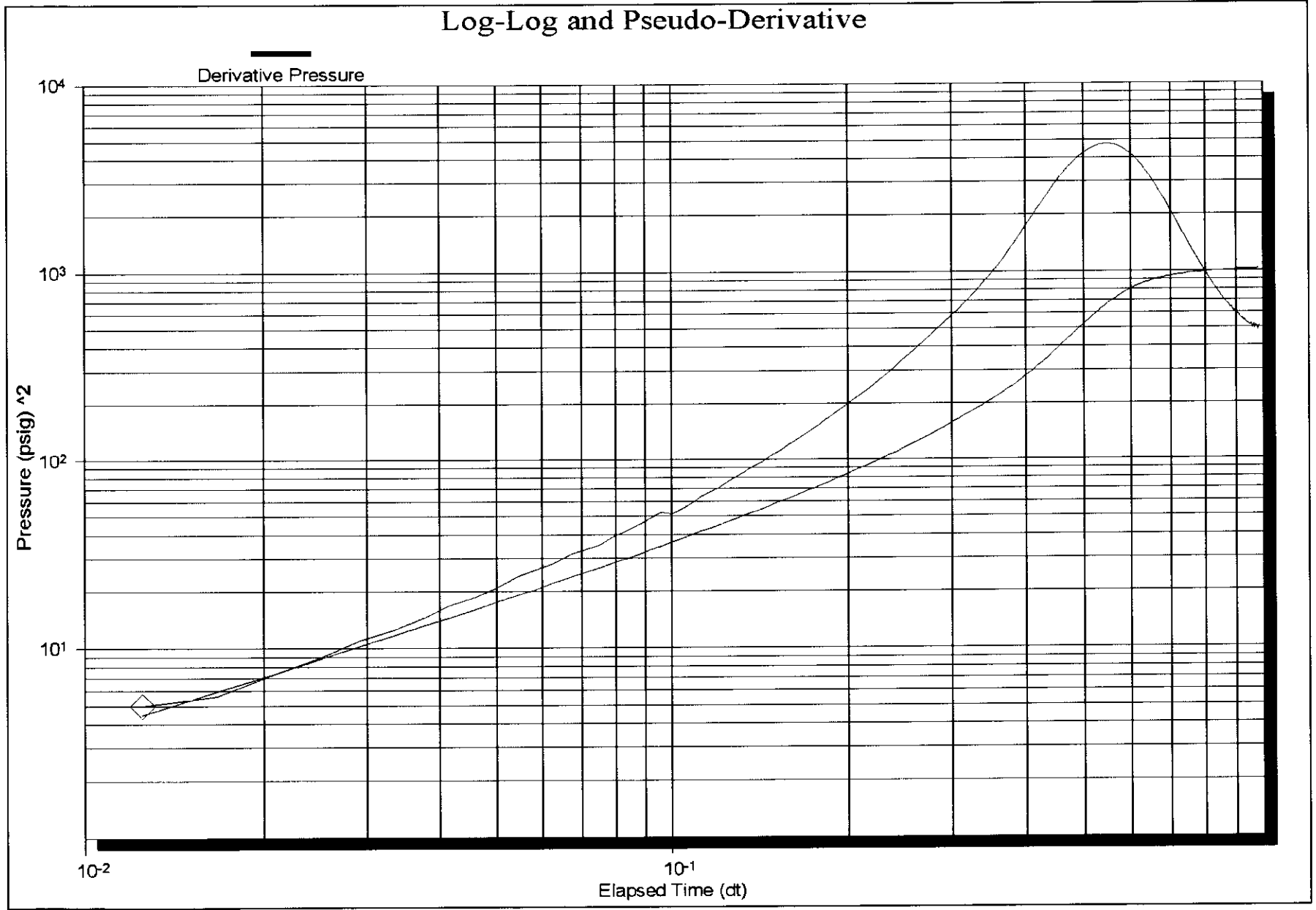


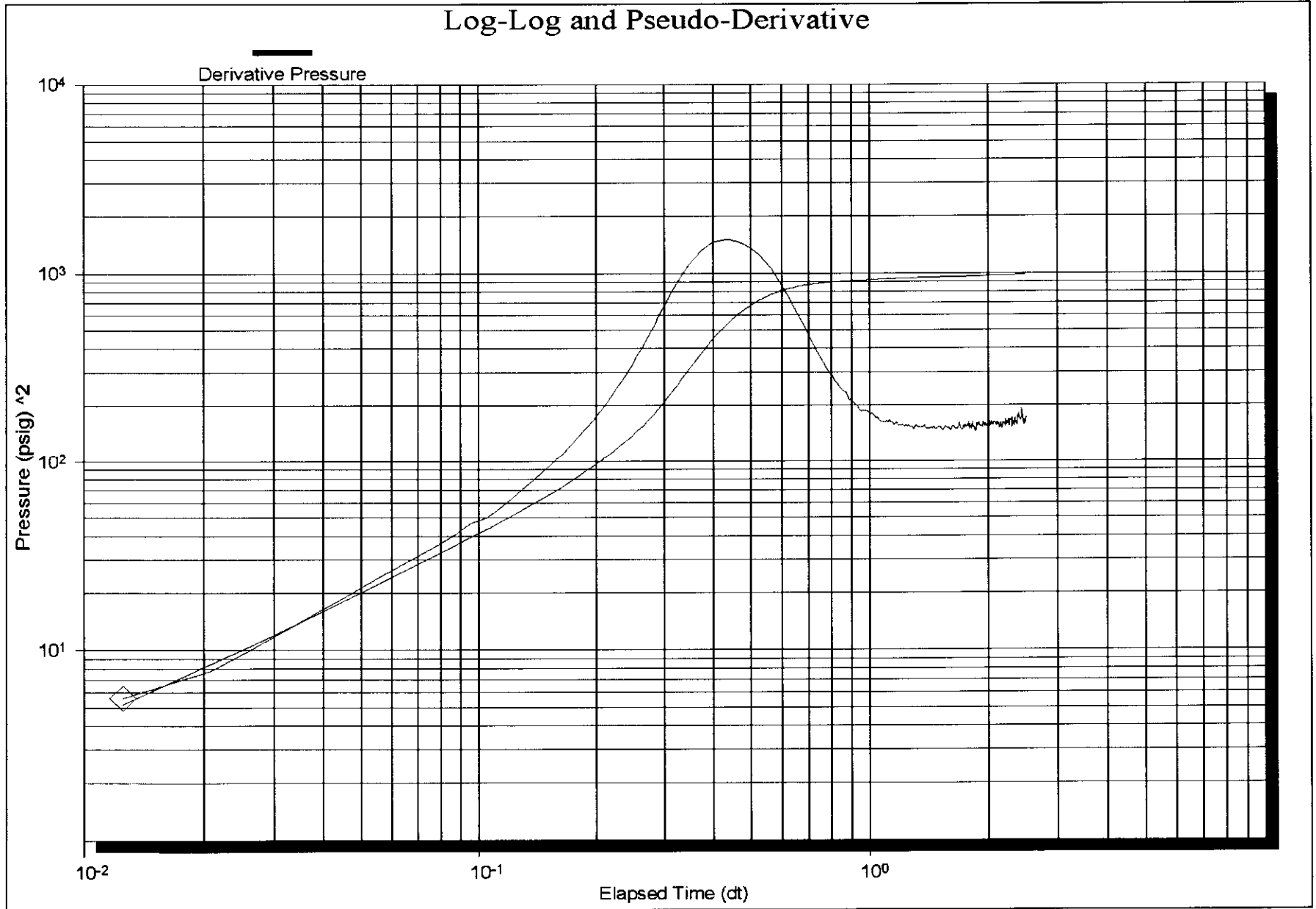
Serial Number: 6669 (Outside)

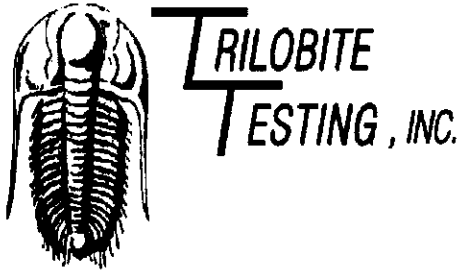
P* :

Slope (m) : kpa/log cycle

Flow Cycle: 2







DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr & Assoc. inc**

1515 Wynkoop, ste 700
Denver Co. 80202

ATTN: Tom Fertal

25-16s-16w Rush co.

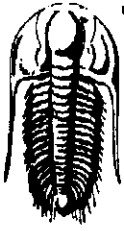
Maier-Schneider #1-25

Start Date: 2010.07.26 @ 07:58:54

End Date: 2010.07.26 @ 13:41:24

Job Ticket #: 39893 DST #: 3

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Sam Gary Jr & Assoc. inc
1515 Wynkoop, ste 700
Denver Co. 80202
ATTN: Tom Fertal

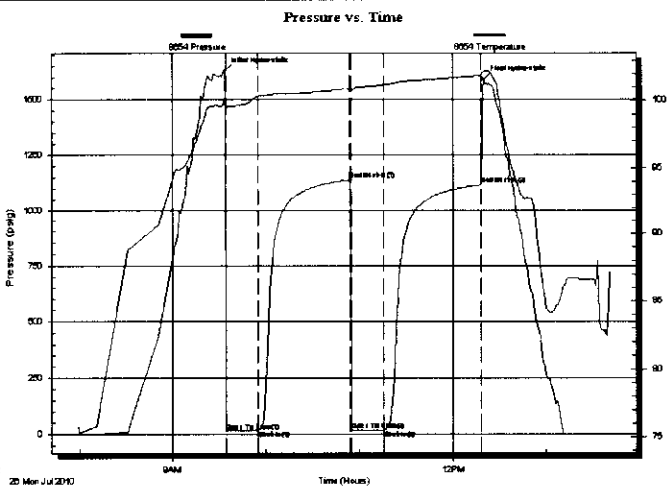
Maier-Schneider #1-25
25-16s-16w Rush co.
Job Ticket: 39893 **DST#: 3**
Test Start: 2010.07.26 @ 07:58:54

GENERAL INFORMATION:

Formation: **Lansing G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:34:24
Time Test Ended: 13:41:24
Interval: **3341.00 ft (KB) To 3355.00 ft (KB) (TVD)**
Total Depth: 3355.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 53
Reference Elevations: 1974.00 ft (KB)
1966.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8654 Inside
Press@RunDepth: 17.88 psig @ 3342.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.07.26 End Date: 2010.07.26 Last Calib.: 2010.07.26
Start Time: 07:58:55 End Time: 13:41:24 Time On Btm: 2010.07.26 @ 09:33:54
Time Off Btm: 2010.07.26 @ 12:19:54

TEST COMMENT: F-Weak surface blow . Built to 1/4 inch. Dying off.
IS-No blow back.
FF-No blow .
FSI-No blow back.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1628.69	100.02	Initial Hydro-static
1	15.01	99.33	Open To Flow (1)
21	17.47	100.33	Shut-In(1)
80	1140.13	100.89	End Shut-In(1)
81	17.68	100.70	Open To Flow (2)
102	17.88	101.21	Shut-In(2)
165	1119.32	101.85	End Shut-In(2)
166	1592.01	102.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%Mud/Skim of oil.	0.14

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr & Assoc. inc

1515 Wynkoop, ste 700
Denver Co. 80202

ATTN: Tom Fertal

Maier-Schneider #1-25

25-16s-16w Rush co.

Job Ticket: 39893 **DST#: 3**

Test Start: 2010.07.26 @ 07:58:54

GENERAL INFORMATION:

Formation: **Lansing G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:34:24

Time Test Ended: 13:41:24

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 53

Interval: 3341.00 ft (KB) To 3355.00 ft (KB) (TVD)

Total Depth: 3355.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1974.00 ft (KB)

1966.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6669

Outside

Press@RunDepth: psig @ 3342.00 ft (KB)

Start Date: 2010.07.26 End Date: 2010.07.26

Start Time: 07:59:15 End Time: 13:42:29

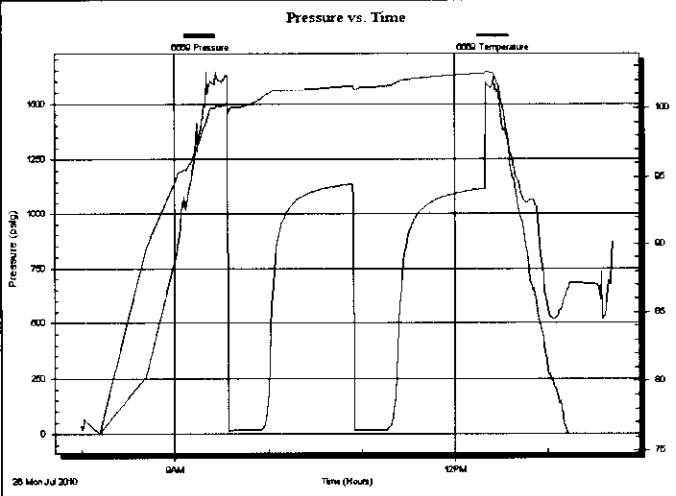
Capacity: 8000.00 psig

Last Calib.: 2010.07.26

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Weak surface blow . Built to 1/4 inch. Dying off.
IS-No blow back.
FF-No blow .
FSI-No blow back.



PRESSURE SUMMARY

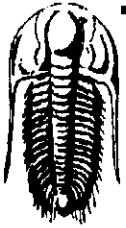
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud/Skim of oil.	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Assoc. inc
1515 Wynkoop, ste 700
Denver Co. 80202
ATTN: Tom Fertal

Maier-Schneider #1-25
25-16s-16w Rush co.
Job Ticket: 39893 **DST#: 3**
Test Start: 2010.07.26 @ 07:58:54

Tool Information

Drill Pipe:	Length: 3317.00 ft	Diameter: 3.80 inches	Volume: 46.53 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 4000.00 lb
			<u>Total Volume: 46.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3341.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 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			3314.00	
Shut In Tool	5.00			3319.00	
Hydraulic tool	5.00			3324.00	
Jars	5.00			3329.00	
Safety Joint	3.00			3332.00	
Packer	5.00			3337.00	28.00 Bottom Of Top Packer
Packer	4.00			3341.00	
Stubb	1.00			3342.00	
Recorder	0.00	8654	Inside	3342.00	
Recorder	0.00	6669	Outside	3342.00	
Perforations	10.00			3352.00	
Bullnose	3.00			3355.00	14.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Assoc. inc

Maier-Schneider #1-25

1515 Wynkoop, ste 700
Denver Co. 80202

25-16s-16w Rush co.

Job Ticket: 39893

DST#: 3

ATTN: Tom Fertal

Test Start: 2010.07.26 @ 07:58:54

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.99 in³

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
10.00	100%Mud/Skim of oil.	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

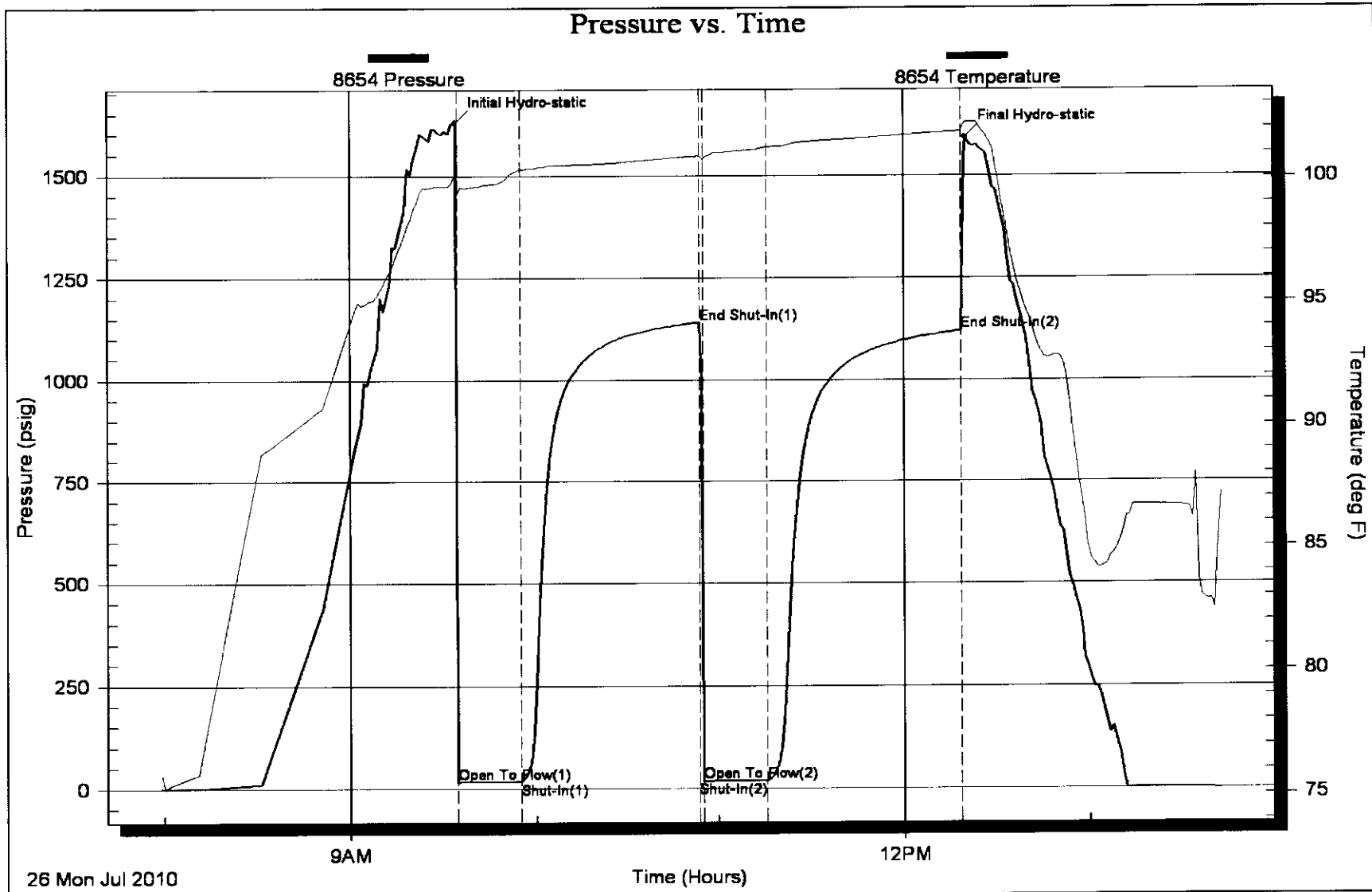
Num Gas Bombs: 0

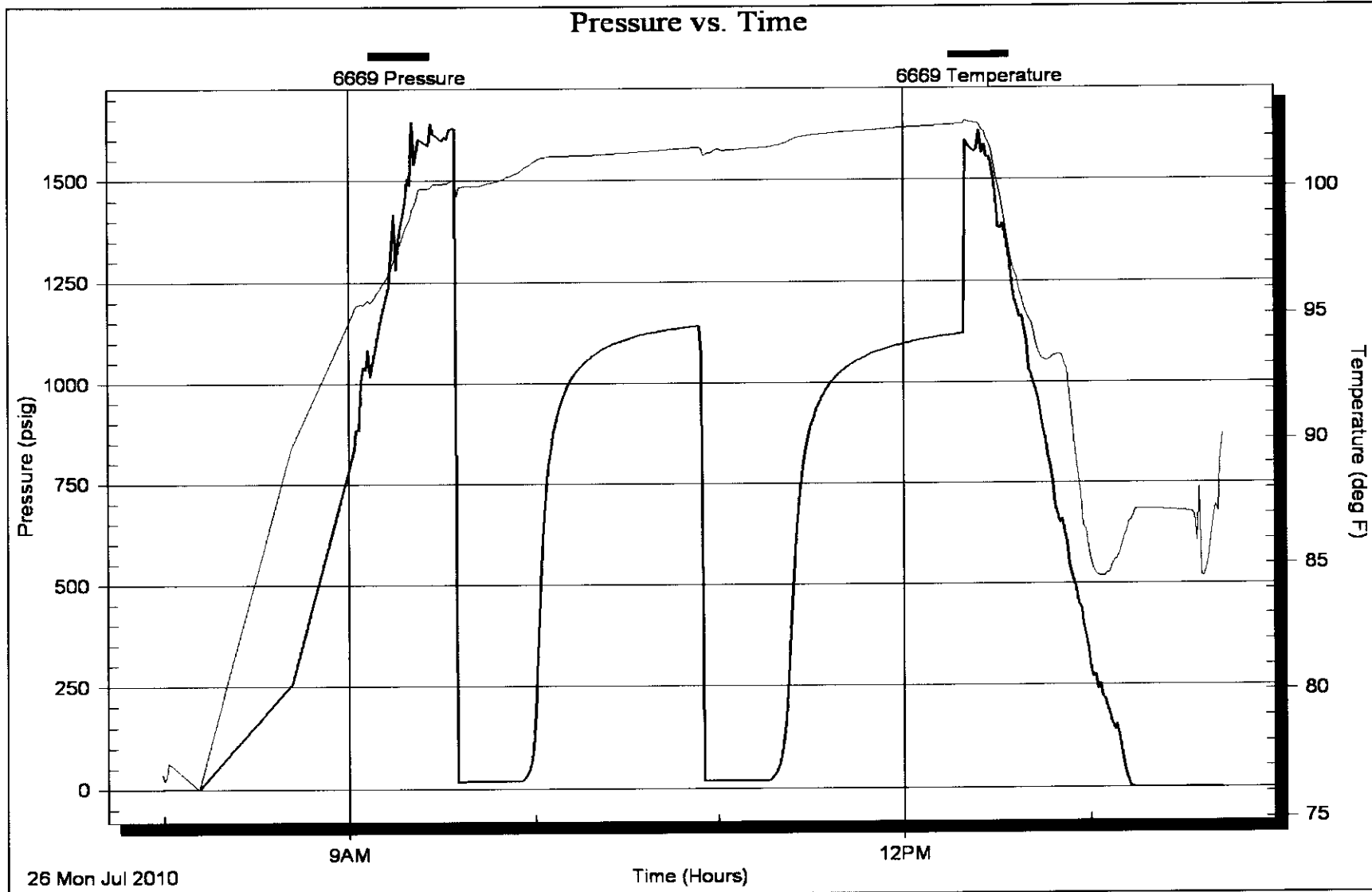
Serial #:

Laboratory Name:

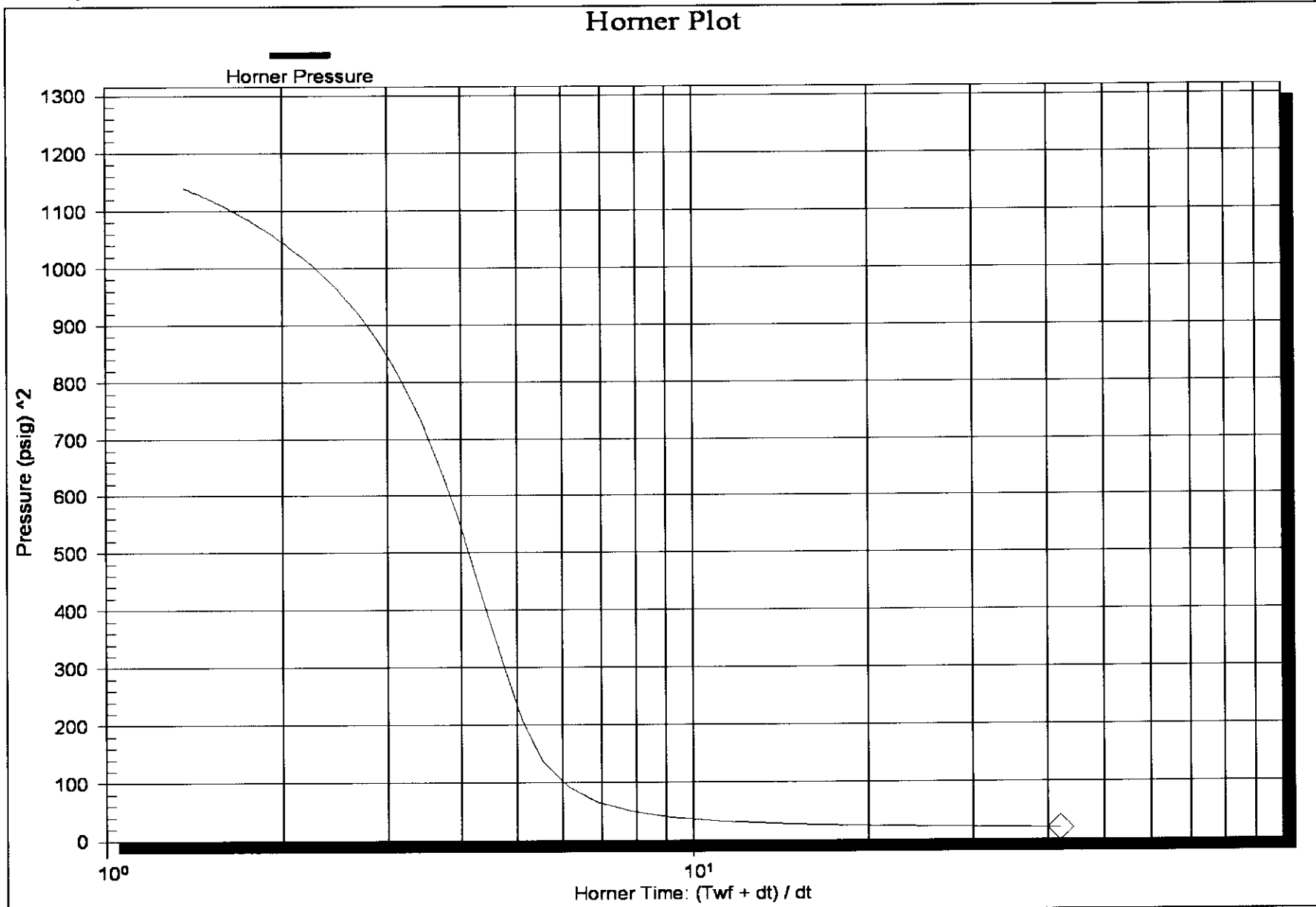
Laboratory Location:

Recovery Comments:





Horner Plot



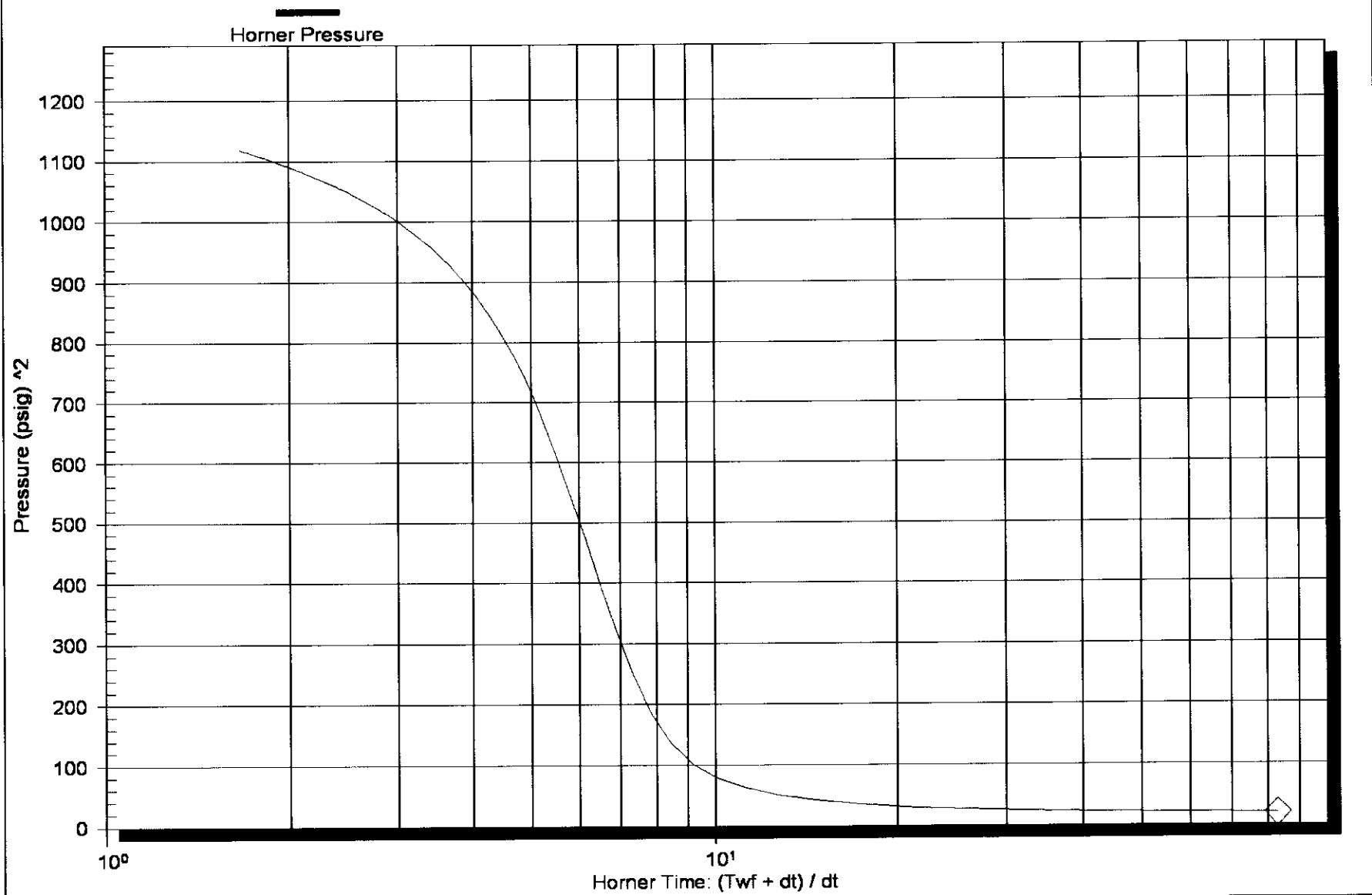
Serial Number: 8654 (Inside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1

Horner Plot



Serial Number: 8654 (Inside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 2

Log-Log and Pseudo-Derivative

