



KANSAS CORPORATION COMMISSION 1046019
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: Clayton Camozzi
Phone: (303) 831-4673
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: Tim Hedrick
Purchaser: Gary Williams

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 #:

06/19/2010 06/25/2010 7/12/2010
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-009-25433-00-00

Spot Description:
NE SE NW NE Sec. 16 Twp. 17 S. R. 12 East West
700 Feet from North / South Line of Section
1,540 Feet from East / West Line of Section

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

County: Barton

Lease Name: PROSSER Well #: 1-16

Field Name: WILDCAT

Producing Formation: ARBUCKLE

Elevation: Ground: 1964 Kelly Bushing: 1974

Total Depth: 3469 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 351 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: 48000 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

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. 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 of 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.

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: 10/25/2010

Confidential Release Date:

Wireline Log Received

Geologist Report Received

UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 10/26/2010



1046019

Operator Name: Samuel Gary Jr. & Associates, Inc. Lease Name: PROSSER Well #: 1-16
 Sec. 16 Twp. 17 S. R. 12 East West County: Barton

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

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input 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	2739	-865
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	HEEBNER	2983	-1109
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	DOUGLAS	3012	-1138
List All E. Logs Run:		BROWN LIME	3076	-1202
Attached		LANSING	3097	-1223
		ARBUCKLE	3339	-1465
		TD	3469	

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	351	CLASS A	225	3% CC, 2% GEL
PRODUCTION	7.875	5.5	15	3467	ECON-O-BOND	125	4%GEL, 2% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<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 <i>(Amount and Kind of Material Used)</i>	Depth
4	3346'-3349'	400 GAL OF 20% MCA W/ 3% MAS W/ 57 BBL H2O	3346'-3349'

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>3325</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>7/12/2010</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>10</u>	Gas Mcf	Water Bbls. <u>20</u>	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 <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3346'-3349'</u>
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	PROSSER 1-16
Doc ID	1046019

All Electric Logs Run

ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG
COMPACT PHOTO DENSITY COMPENSATED NEUTRON LOG
MICRO-RESISTIVITY LOG
COMPENSATED SONIC W/ INTEGRATED TRANSIT TIMES LOG
SECTOR BOND/GAMMA RAY CCL LOG



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

October 25, 2010

Clayton Camozzi
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-009-25433-00-00
PROSSER 1-16
NE/4 Sec.16-17S-12W
Barton 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.

Respectfully,
Clayton Camozzi



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

October 26, 2010

Clayton Camozzi
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO-1
API 15-009-25433-00-00
PROSSER 1-16
NE/4 Sec.16-17S-12W
Barton County, Kansas

Dear Clayton Camozzi:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 06/19/2010 and the ACO-1 was received on October 25, 2010 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 123148

Invoice Date: Jun 19, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

Bill To:

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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Gary	Prosser #1-16	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Jun 19, 2010	7/19/10

Quantity	Item	Description	Unit Price	Amount
225.00	MAT	Class A Common	13.50	3,037.50
4.00	MAT	Gel	20.25	81.00
8.00	MAT	Chloride	51.50	412.00
225.00	SER	Handling	2.25	506.25
25.00	SER	Mileage 225 sx @.10 per sk per mi	22.50	562.50
1.00	SER	Surface	991.00	991.00
25.00	SER	Pump Truck Mileage	7.00	175.00
1.00	EQP	8.5/8 Wooden Plug	53.00	53.00

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

\$ 1454.56

ONLY IF PAID ON OR BEFORE
Jul 14, 2010

Subtotal	5,818.25
Sales Tax	225.76
Total Invoice Amount	6,044.01
Payment/Credit Applied	
TOTAL	6,044.01

JUN 30 2010

SAMUEL GARY JR.
& ASSOCIATES, INC.

DRLG COMP W/O LOE

AFE # _____
ACCT # 8200.138

APPROVED BY [Signature]

ALLIED CEMENTING CO., LLC. 041775

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

SERVICE POINT:
Russell

DATE <u>6-19-10</u>	SEC. <u>16</u>	TWP. <u>17</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30</u>	JOB FINISH <u>1:00pm</u>
LEASE <u>Prasser</u>	WELL # <u>1-16</u>		LOCATION <u>Beaver 45 1/4 E S 170</u>		COUNTY <u>Beeson</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Southwind #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 353
 CASING SIZE 8 5/8 DEPTH 351
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 21 1/4 B.C.

OWNER _____
 CEMENT
 AMOUNT ORDERED 225 Com 3 3/4 CLC
296/21
 COMMON 225 @ 13.50 3037.50
 POZMIX _____ @ _____
 GEL 4 @ 20.25 81.00
 CHLORIDE 8 @ 51.50 412.00
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 225 @ 2.25 506.25
 MILEAGE 110.6/1/2 562.50
 TOTAL 4599.25

EQUIPMENT

PUMP TRUCK CEMENTER Chris
 # 398 HELPER Paul
 BULK TRUCK
 # 410 DRIVER Blaise
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

8 5/8 on bottom Est. Circulation. Mix
 Cement + Displace Plug.

Cement Circulation

Thanks!

CHARGE TO: Sam Gay
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 991.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 25 @ 7.00 175.00
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL 1166.00

PLUG & FLOAT EQUIPMENT

8 5/8 warden Plug @ _____ 53.00
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment
 and furnish cementer and helper(s) to assist in



BASIC
ENERGY SERVICES

PAGE 1 of 1	CUST NO 1003682	INVOICE DATE 06/28/2010
INVOICE NUMBER 1718 - 90347527		

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 Prosser 1-16
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB # 40199733	EQUIPMENT # 27463	PURCHASE ORDER NO.	TERMS Net - 30 days	DUE DATE 07/28/2010
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	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 06/25/2010 to 06/25/2010</i>				
0040199733				
171801977A Cement-New Well Casing/PI 06/25/2010 CNW-5 1/2" Longstring				
60/40 POZ	75.00	EA	7.32	548.97 T
50/50 POZ	125.00	EA	6.71	838.70 T
Cello-flake	31.00	EA	2.26	69.96 T
Calcium Chloride	210.00	EA	0.64	134.50 T
Cal-Set	625.00	EA	0.46	285.92 T
FLA-322	104.00	EA	4.57	475.77 T
Cement Gel	210.00	EA	0.15	32.02 T
Gilsonite	1,000.00	EA	0.41	408.67 T
CS-1L, KCl Substitute	4.00	EA	21.35	85.39 T
Super Flush II	500.00	EA	0.93	466.62 T
Latch Down Plug & Baffle	1.00	EA	243.98	243.98
Auto Fill Float Shoe	1.00	EA	219.59	219.59
Turbolizer	8.00	EA	67.10	536.77
Heavy Equipment Mileage	150.00	MI	4.27	640.46
Proppant & Bulk Delivery Charges	638.00	MI	0.98	622.65
Blending & Mixing Service Charge	200.00	MI	0.85	170.79
Unit Mileage Charge-Pickups, Vans & Cars	75.00	HR	2.59	194.43
Depth Charge; 3001'-4000'	1.00	HR	1,317.52	1,317.52
Casing Swivel Rental	1.00	EA	121.99	121.99
Plug Container Utilization Charge	1.00	EA	152.49	152.49
High Head Charge	1.00	EA	182.99	182.99
Service Supervisor	1.00	HR	106.74	106.74

JUL 07 2010
 SAMUEL GARY JR.

DRUG COMP W/O LOE
 AFE #
 ACCT # 8200-138
 APPROVED BY [Signature]

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	7,856.92
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	210.83
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	8,067.75
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASICTM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 1977 A

DATE _____ TICKET NO. _____

DATE OF JOB: 6-25-10		DISTRICT: KANSAS		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: Samuel Gary JR. & ASSC INC.		LEASE: Prosser #1-16		WELL NO.						
ADDRESS:		COUNTY: Barton 16-17-12		STATE: KANSAS						
CITY:		STATE:		SERVICE CREW: A. Worth, E. Veach, M. McCann						
AUTHORIZED BY:		JOB TYPE: 5/8" Long String								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
28443 PU	1						6-25-10			8:00
27463 PT	1						6-25-10			8:45
19826-19860	1						6-25-10			2:00
							6-25-10			7:00
							6-25-10			2:30
						MILES FROM STATION TO WELL: 25 mi. 100				

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 P2		75-SK		\$ 900.00
CP104	50/50 P2		125-SK		\$ 1325.00
CC102	Cell FLAKE		31-16		\$ 114.70
CC109	Calcium Chloride		310-16		\$ 722.50
CC113	Co-set		625-16		\$ 468.75
CC189	FLA-322		104-16		\$ 780.00
CC200	concent gel		210-16		\$ 52.50
CC201	Gilswite		1000-16		\$ 670.00
CF607	Latch Down Plug & Baffle (Blue)		1-CA		\$ 400.00
CF1251	Auto Fill Float Shoe (Blue)		1-CA		\$ 300.00
CF1651	Turbolizer 5/8" (Blue)		8-CA		\$ 840.00
CF204	CS-16, Kel Sub		4-gal		\$ 140.00
CF52	Supp Flush #		500-gal		\$ 265.00
CF503	Decrick Charge 80 in Air		1-CA		\$ 300.00

CHEMICAL / ACID DATA:

SUB TOTAL

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

TOTAL

SERVICE REPRESENTATIVE: Allen F. Worth

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

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

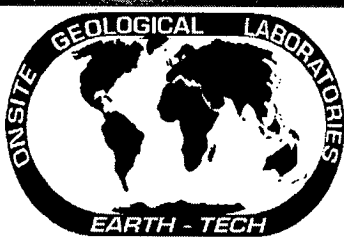
TREATMENT REPORT

Customer SAMUEL GARY JR. ASSC.		Lease No.		Date 6-25-10	
Lease Process		Well # 1-16			
Field Order # 175177A	Station Pratt KS	Casing" 5 1/2	Depth 3476.31	County Sarton	State KS
Type Job 5 1/2 Long String	CNW	Formation RTO 3420 LTO 3469	Legal Description 16-17-12		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft	12 BBL	Acid	Super Flush II	RATE	PRESS	ISIP
Depth 3462	Depth	From	To 2550	Pre Pad	60/40 Poz scavenger @ 12#	Max		5 Min.
Volume 82/1000	Volume	From	To 1250	Pad	50/50 Poz @ 13.8#	Min		10 Min.
Max Press 1500#	Max Press	From	To	Frac		Avg		15 Min.
Well Connection F.C.	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	2% KCL	Gas Volume		Total Load

Customer Representative Kelly Branum				Station Manager Cathy				Treater Allen F. Worth			
Service Units	28443	27463	19826	19860							
Driver Names	A. Worth	C. Veach	Mike	McGraw							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:45 AM					on loc. Discuss Safety, setup + Plug Job
					Rig Laying down Drill Collars.
9:20					Out of Hole Rig up to Run 5 1/2 casing.
10:00					Start 5 1/2 csg 15.5#
					Shoe Joint 21.57' w/ Flat Shoe +
					L.O. Down Plug Baffle in collar.
					cent 1-3-5-7-9-11-13-15 (wind down)
1:00					Tag Bottom - 20' to 3468' via Rotate
1:00	200		12	5	Pump 12 BBLs mud Flush
			5	5	Pump 5 BBL H ² O space -
			9	5	mix + Pump 2550 60/40 Poz scavenger 12#
				5	mix + Pump 1255 50/50 Poz @ 13.8#
			34		Finish mix cat, wash out Pump line
1:15				5 1/2	Drop L.O. Plug + Start Dip.
				4 1/2	caught L.O. PST
1:30	1500#			2 1/2	Plug down
	0#				Release PST - OK
					Plug Rat Hole w/ 3000 60/40 Poz
					Plug mouse hole w/ 2000 60/40 Poz
					wash up + Back up Equip
2:00					Job complete
					+ Thanks Allen Chris + McGraw



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

Well Name: PROSSER # 1-16
 Location: Sec 16 17s 12w, Barton, Kansas
 License Number: 15-009-25433-0000
 Spud Date: JUNE 19, 2010
 Surface Coordinates: 700' Fnl & 1540' Fel
 Region: Wildcat
 Drilling Completed: JUNE 24, 2010

Bottom Hole Coordinates:
 Ground Elevation (ft): 1864' K.B. Elevation (ft): 1874'
 Logged Interval (ft): 1700 To: 3470' Total Depth (ft): 3470'
 Formation: Lansing, Arbuckle
 Type of Drilling Fluid:

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

OPERATOR

Company: Samuel Gary Jr, & Assoc.
 Address: 1515 Wynkoop, Ste.# 700
 Denver, Colo. 80202
 Geo: Clayton Camozzi

GEOLOGIST

Name: Tim Hedrick
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla . 73945
 Off. 888-543-8378 Cell: 620-655-2050

DST information

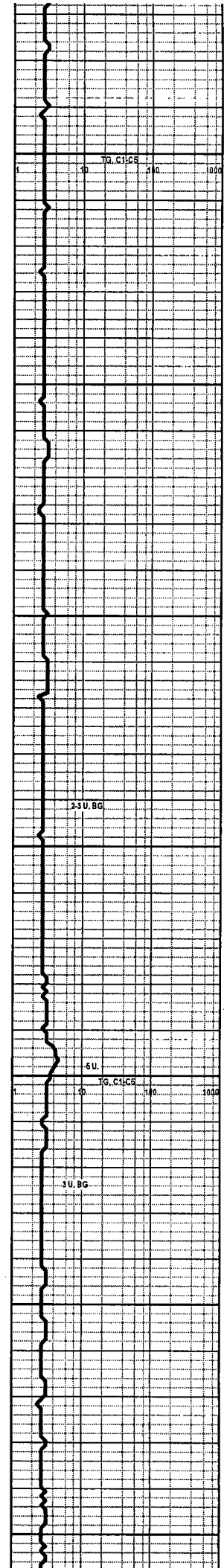
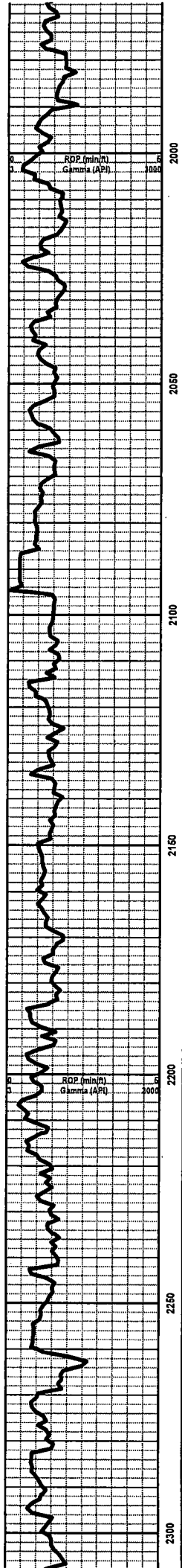
DST # 1 3256 TO 3270' 10 60 10 60
 IF- NO Blow ISI-NO Blow, FF- NO Blow, FSI- NO Blow
 IH- 1568, FH- 1544, IF- 16 TO 19, FF- 20 TO 19, ISI-1071, FSI-1009,
 RECOV.- 5' DRILL MUD W. GOOD SHOW OF OIL. BHT 107 DEG.

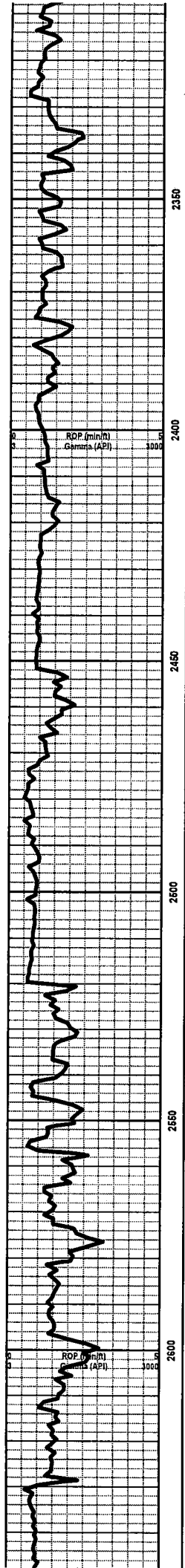
ROCK TYPES

Anhy	Gyp	Shgy	Sandylms
Bent	Igne	Sltst	Shale
Brec	Lmst	Ss	Sltstn
Cht	Meta	Till	Shlyshs
Clyst	Mrst	Carb sh	Sitysh
Coal	Salt	Dol	Lms
Congl	Shale	Dtd	
Dol	Shcol	Gry sh	

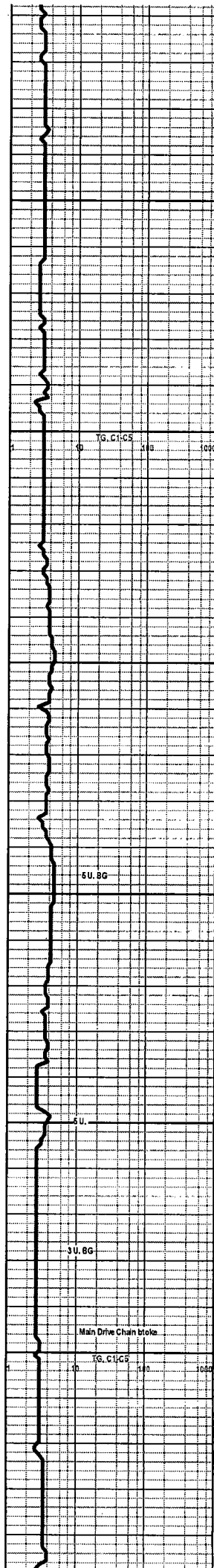
ACCESSORIES

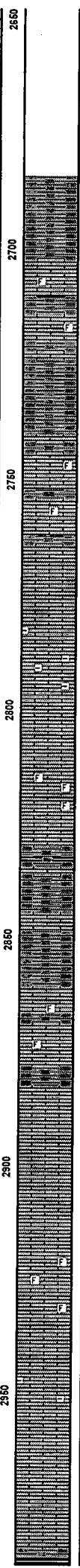
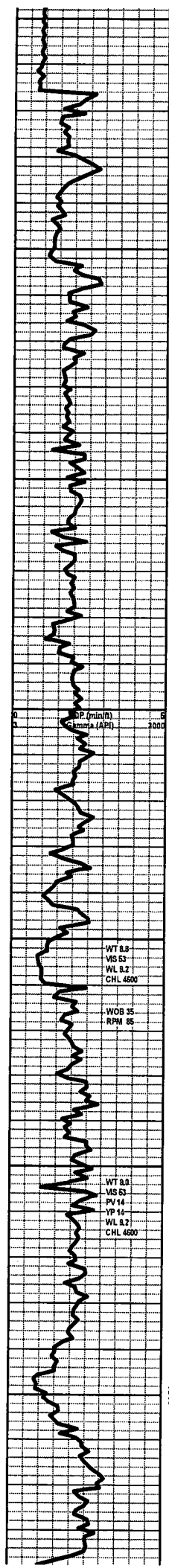
MINERAL	Salt	Fossil	Clystn
Anhy	Sandy	Gastro	Dol
Arggrm	Silt	Oolite	Grysh
Arg	Sil	Ostra	Gryslt
Bent	Sulphur	Pelec	Lms
Bit	Tuff	Pellet	Sandylms
Brecfrag	Chlorite	Pisolite	Sh
Calc	Dol	Plant	Sltstn
Carb	Sand	Strom	
Chtdk	Sity	Fuss	
Chtt		Oomold	
Dol	FOSSIL		TEXTURE
Feldspar	Algae	STRINGER	Boundst
Ferrpel	Amph	Anhy	Chalky
Ferr	Belm	Arg	Cryxln
Glau	Bioclst	Bent	Earthy
Gyp	Brach	Coal	Finexin
Hvymin	Bryozoa	Dol	Grainst
Kaol	Cephal	Gyp	Lithogr
Marl	Crin	Ls	Microxln
Minxl	Echin	Mrst	Mudst
Nodule	Fish	Sltstrg	Packst
Phos	Foram	Ssstrg	Wackest
Pyr		Carbsh	





BASE ROOT SH. 2451' - 577'





SH- LT TO MD GY- FRM BLKY IP TO V/ SFT SLTY, HVY TR VIF-GRN QRTZ IMBD IP

TOPEKA 2704' - 830'

LS- CRM LT TN TN LT GY- HD DNS TO BRITT, MD-F-XLN, RE-XLN MTRX IP, FOSS FRGS IMBD IP, TR IMBD DK GY SH, NO FLO, NO VIS POR, NO VIS SHOW

SH- LT TO MD GY- FRM BLKY MICA, V/ CALC TO LMY

LS- CRM LT TN TN- HD DNS F-VIF-XLN, SLI TR FOSS FRGS IMBD IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN - HD DNS TO BRITT, MD-XLN RE-XLN MTRX CALC XLS IMBD IP, TR FOSS, NO FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN - HD DNTO BRITT -V/ SUCRO MTRX, V/ AREN TO SNDY IP, ABDT IMBD VIF-GRN QRTZ IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM BFF- HD IP TO V/ SFT, V/ SUCRO MTRX V/ S-CHLKY TO CHLKY IP, TR LMNTD DK GY SH IP, TO ABDT SFT WHT CHLK, NO FLO, NO VIS POR, NO VIS SHOW OR CUT

LS- CRM LT TN TN - HD DNS, MD-VIF-XLN, RE-XLN MTRX, V/ FOSS IP, TR IMBD LT GY SH IP, TR SMLL CALC XLS IMBD IP, NO FLO, NO VIS POR, NO VIS SHOW

SH- MD TO DK GY- FRM BLKY SMTH TXT, BLK SFT CARB IP

LS- CRM LT TN- HD DNS MD-F-XLN, RE-XLN MTRX TO TT SUCRO MTRX IP, WTR IMBD LT GY SH IP, NO FLO, NO VIS POR, NO VIS SHOW

LECOMPTON 2860' - 986'

LS- CRM BFF- HD DNS BRITT IP, MD-XLN, RE-XLN MTRX IP, SCAT IMBD FOSS THRU, NO FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN- HD DNS TO BRITT, MD-XLN TO TT SUCRO MTRX, MOTT IP, ABDT IMBD SMLL CALC XLS IP, HVY TR IMBD LT TO DK GY SH IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM LT TN- HD DNS TO TR BRITT, MD-VIF-XLN, RE-XLN IP, TR SMLL CALC XLS IMBD IP, SLI TR WHT CHLK, NO FLO, NO VIS POR, NO VIS SHOW

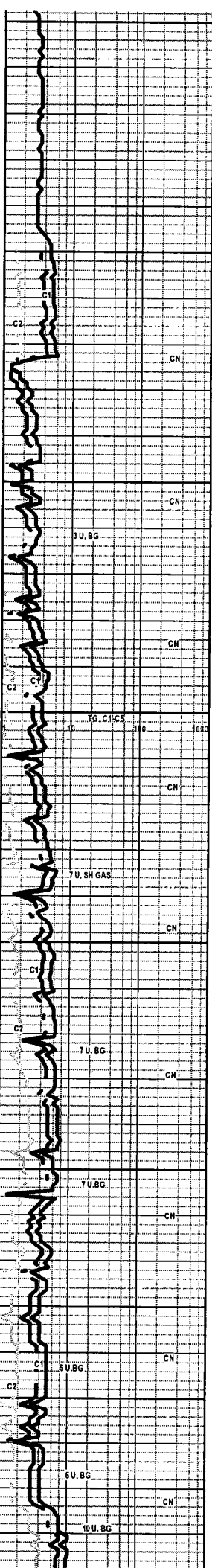
LS- CRM BFF LT TN- HD DNS, V/ TT SUCRO MTRX, ABDT EMBD FOSS FRGS THRU, TR IMBD SH IP, NO FLO, NO VIS POR, NO VIS SHOW

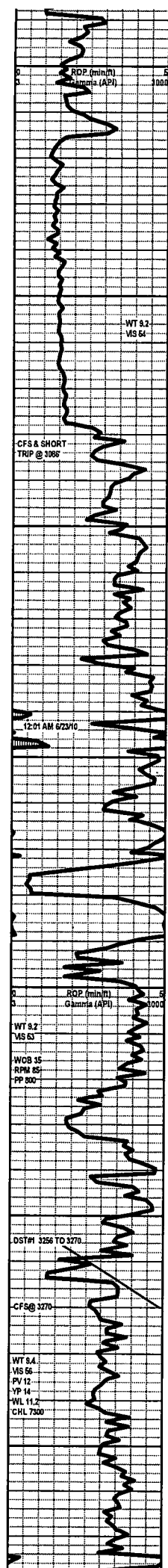
LS- OFF WHT CRM- HD TO MD HD - V/ SUCRO S-CHLKY TO CHLKY MTRX, TR IMBD DISS SH IP, SLI TR CHLK, NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM BFF- HD DNS TR BRITT, F-VIF-XLN TR S-SUCRO IP, NO FLO, NO VIS POR, NO VIS SHOW

HEEBNER 2985' - 1111'

SH- BLK SFT CARB





SH-LT TO MD GY-FRM BLKY SMTH TXT

LS-OFF WHT TO WHT-VI TT SUCRO MTRX TR S-CHLKY TO TR ABDT SFT WHT CHLK, TR WHT CHRT, NO FLO, NO VIS POR, NO VIS SHOW

DOUGLAS 3015' - 1141'

SH-LT TO MD GY-VI SFT GMMY TXT TR SLTY

SH-LT GY GY-FRM IP TO VI SFT GMMY. SLI TR SLTY

SLTST-HD TT LT GY FRSTY-VI/F-GRN QURTZ W. LMNTD AND FINELY DISS SH THRU, HVY TR IMBD DISS PYR, TR IMBD GLAUC, NO FLO, NO VIS POR, NO VIS SHOW

BROWN LIME 3078' - 1204'

LS-TN BRN-HD DNS F-VI/F-XLN, SLI RE-XLN IP, TR LMNTD SMLL CALC XLS IP, SLI TR SUCRO IP, NO FLO TO TR DLL YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

LANSING 3099' - 1225'

LS-CRM BFF-HD DNS, SLI TR BRITT, F-VI/F-XLN, SLI S-SUCRO IP, HVY TR SCAT PR MICROVUGS SCAT IP, NO FLO, NO VIS SHOW OR CUT

LS-CRM LT TN TN LT BRN STN IN 20% HD DNS, SLI TR BRITT, MD-F-XLN, RE-XLN MTRX IP, SLI S-SUCRO IP, ABDT IMBD VI SMLL OOL IP, TR SMLL CALC XLS IMBD IP, DLL YEL GLD FLO IP TO BRIT YEL GLD SPTT FLO IN 20%, VI PR VIS INTEROOL POR IP, VI PR MICRO PP POR IP, NO ODOR, LT FLSH CUT TO PR TO FR SLO STRM CUT IN 20%,

LANSING "X" 3136' - 1262'

LS-CRM BFF-HD DNS, F-VI/F-XLN, SLI RE-XLN IP, NO FLO, NO VIS POR, NO VIS SHOW

LS-CRM LT N LT GY-HD DNS TR BRITT, MD-F-XLN RE-XLN MTRX, V. MICRO OOL, LMNTD LT GY SH THRU, TR FOSS FRGS IP, NO FLO, NO VIS POR, NO VIS SHOW

LS-OFF WHT CRM-HD DNS TO BRITT, MD-F-XLN, RE-XLN MTRX, VI OOLMLD, TR FOSS IP, SLI TR WHT SFT CHLK IP, LT DLL YEL FLO IP, PR TO FR TO TR EXCEL OOLMLD POR, NO VIS SHOW

LS-LT TN TN-HD DNS, VI-F-CRYPTO-XLN TO S-LITHO, NO INCLUSIONS, NO FLO, NO VIS POR, NO VIS SHOW

LS-CRM BFF-HD DNS TO VI BRITT, MD-F-XLN, RE-XLN MTRX, OOLMLD AND PHNTM OOLMLD, LT DLL YEL MIN FLO, PR OOLMLD POR THRU, NO VIS CUT OR SHOW

LS-CRM LT TN-HD DNS F-XLN TO TT SUCRO MTRX, NO FLO, NO VIS POR, NO VIS SHOW OR CUT

LANSING "Z" 3219' - 1345'

SH-BLK SFT CARB

LS-CRM LT TN TN-HD DNS TO VI BRITT, MD-F-XLN, VI RE-XLN MTRX, VI FOSS, ABDT IMBD PELT, TR LMNTD GY SH IP, ABDT CALC XLS IMBD THRU INTERFOSS, NO FLO, NO VIS POR, NO VIS CUT OR SHOW

LS-CRM BFF-HD DNS TO BRITT, F-XLN TO SUCRO SLI S-CHLKY IP, NO FLO, NO VIS POR, NO VIS SHOW

LS-OFF WHT WHT-HD VI BRITT, VI CRS SUCRO MTRX, ABDT IMBD CALC XLS THRU, TR MICRO OOL IP, TN STN IN 60%, GD VIS INTER-XLN POR, FR VIS MICRO VUG POR, LT FLSH TO FR SLO STRM CUT

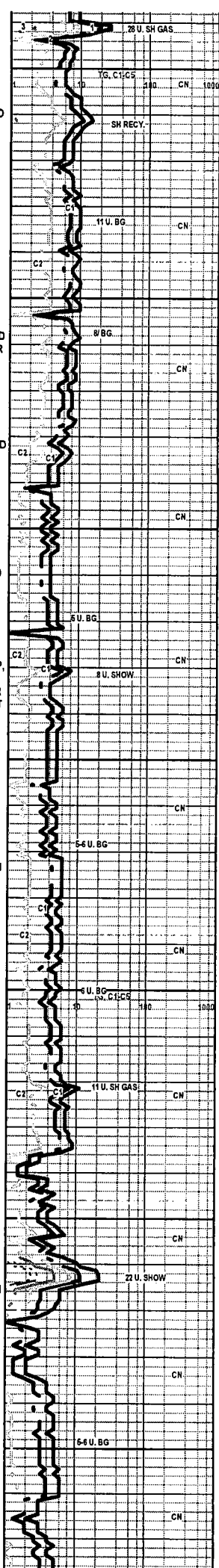
STARK 3286' - 1412'

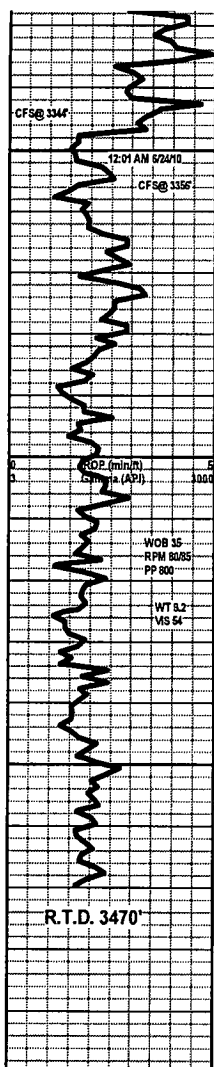
SH-LT GY TO LT GRN-FRM BLKY, SMTH TXT

LS-CRM OFF WHT-HD TO MD HD-VI SUCRO S-CHLKY TO CHLKY MTRX, NO FLO, NO VIS POR, NO VIS SHOW

SH-RED-FRM BLKY VI GRNY TXT

LS-LT TN TN-HD DNS VI-F-CRYPTO-XLN SLI S-SUCRO IP, NO FLO, NO VIS POR, NO VIS SHOW





ARBUCKLE 3347' - 1473'

3336 TO 3341- LS- LT TN TK TH (DUE TO STN IN 20%), HD DNS TR BRITT, ND-F-XLN RE-XLN MTRX, IMBD ANG LM GRNS SCAT THRU, V FOSS, SLJ TR SUCRO IP, NO ODOR WET, GOOD OIL ODOR DRY, DLL YEL GLD FLO THRU, BRIT YEL GLD FLO IN 20%, V/PR VS INTER-XLN POR, V/PR MICRO PP POR IP TO NO POR, GD FLUSH CUT TO V/GD SLO STRM CUT, TN LCH ON DISH.

DOLO- OFF WHT CRM LT BRN DUE TO STN (STN IN 60-70%) HD DNS TO V/BRITT, V SUCRO MTRX, ABDT IMBD SMLL ANG DOLO GRNS THRU, TR BRN OIL STN IN 70%, WHT SFT CHLK IMBD IN 20%, TR IMBD GRN CLAY IN 10%, DLL YEL GLD FLO THRU, BRIT YEL GLD FLO IN 60%, FR TO GD VS INTER-XLN POR, TR FR MICRO VUG POR, GO STRNG OIL ODOR DRY, FR OIL ODOR WET, GD FLSH CUT TO GD SLO STRM CUT IN 60% TO NO CUT IN 60%

3357 TO 3375 DOLO- WHT-HD DNS-F-XLN TO V SUCRO IP, ABDT IMBD SMLL DOLO GRNS SCAT THRU, HVY TR CHLK, DLL YEL MIN FLO THRU, PR VS INTER-XLN POR IP TO MOSTLY NO POR, NO VS SHOW

3380 TO 3403 DOLO- OFF WHT CRM- HD BRITT, V CS SUCRO MTRX, ABDT SMLL IMBD WHT DOLO GRNS THRU, HVY RE IMBD SFT WHT CHLK IP, DLL YEL MIN FLO THRU, PR TO GD SCAT INTER-XLN POR, NO VS SHOW OR CUT

3403 TO 3427 DOLO-OFF WHT CRM- HD DNS TO BRITT, F-XLN TO TT SUCRO MTRX, SME IMBD ANG DOLO GRNS SCAT THRU, DLL YEL MIN FLO, NO VS POR, NO VS SHOW

DOLO- OFF WHT CRM- HD DNS TO BRITT, F-XLN TO CRS SUCRO MTRX, SUCRO S-CHLKY IP, TR ABDT SFT WHT CHLK, TR IMBD SMLL S-RND TO RND QRTZ GRNS IP, DLL YEL MIN FLO, NO POR TO PR TO FR INTER-XLN POR, NO VS SHOW

DOLO- WHT OFF WHT- V SUCRO TO CRS SUCRO MTRX, ABDT IMBD SMLL ANG DOLO GRNS THRU, TR LMNTD LT GRN CLAY IMBD IP, DLL YEL MIN FLO THRU, PR TO FR TO GD INTER-XLN POR THRU, NO VS SHOW

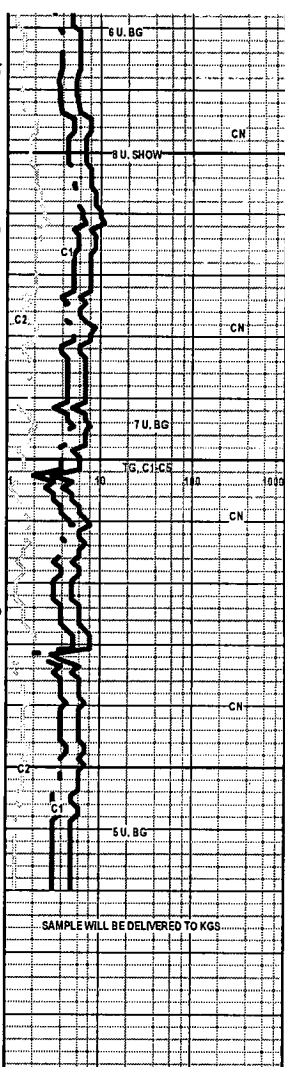
DOLO- OFF WHT TO WHT- VSUCRO TO CRS SUCRO MTRX F-XLN IP ABDT IMBD SMLL ANG DOLO GRNS THRU, ABDT IMBD SFT WHT CHLK, DLL YEL MIN FLO, PR FR- TO GD INTER-XLN POR, TR PR MICRO VUG POR, NO VS SHOW

R.T.D. @ 5:50 AM

CTCH 20 HRS

TRIP OUT F/LOGS @ 7:50 AM

WEATHERFORD/LIBERAL, KANSAS





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Sam Gary Jr. & Associates Inc

Prosser #1-16

1515 Wynkoop
Ste 700
Denver Co 80202
ATTN: Clayton Camozzi

16-17s-12w Barton

Job Ticket: 38715

DST#: 1

Test Start: 2010.06.23 @ 11:25:13

GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 12:48:38

Time Test Ended: 16:13:07

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **42**

Interval: **3256.00 ft (KB) To 3270.00 ft (KB) (TVD)**

Total Depth: **3270.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **1974.00 ft (KB)**

1964.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8365 **Inside**

Press@RunDepth: **19.26 psig @ 3257.01 ft (KB)**

Start Date: **2010.06.23**

End Date: **2010.06.23**

Capacity: **8000.00 psig**

Last Calib.: **2010.06.23**

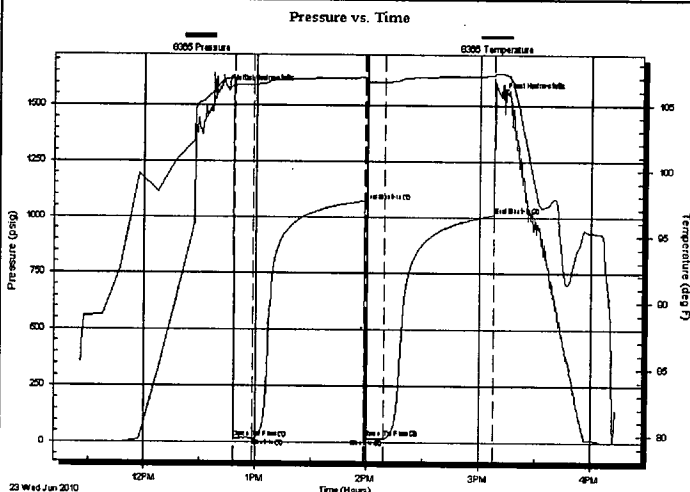
Start Time: **11:25:13**

End Time: **16:13:07**

Time On Btm: **2010.06.23 @ 12:45:38**

Time Off Btm: **2010.06.23 @ 15:11:08**

TEST COMMENT: IFF-no bl
FFP-no bl
Times 10-60-10-60



PRESSURE SUMMARY

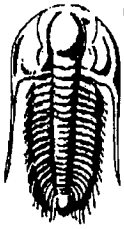
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1568.20	106.93	Initial Hydro-static
3	16.09	106.08	Open To Flow (1)
13	19.12	106.52	Shut-In(1)
73	1071.09	107.05	End Shut-In(1)
73	20.57	106.69	Open To Flow (2)
84	19.26	106.73	Shut-In(2)
142	1009.29	107.20	End Shut-In(2)
146	1544.84	107.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/show of oil	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr.&Associates Inc

Prosser #1-16

1515 Wynkoop
Ste 700
Denver Co 80202
ATTN: Clayton Camozzi

16-17s-12w Barton

Job Ticket: 38715

DST#: 1

Test Start: 2010.06.23 @ 11:25:13

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 11.15 in³
Resistivity: ohm.m
Salinity: 7300.00 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
5.00	Mud w/show of oil	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

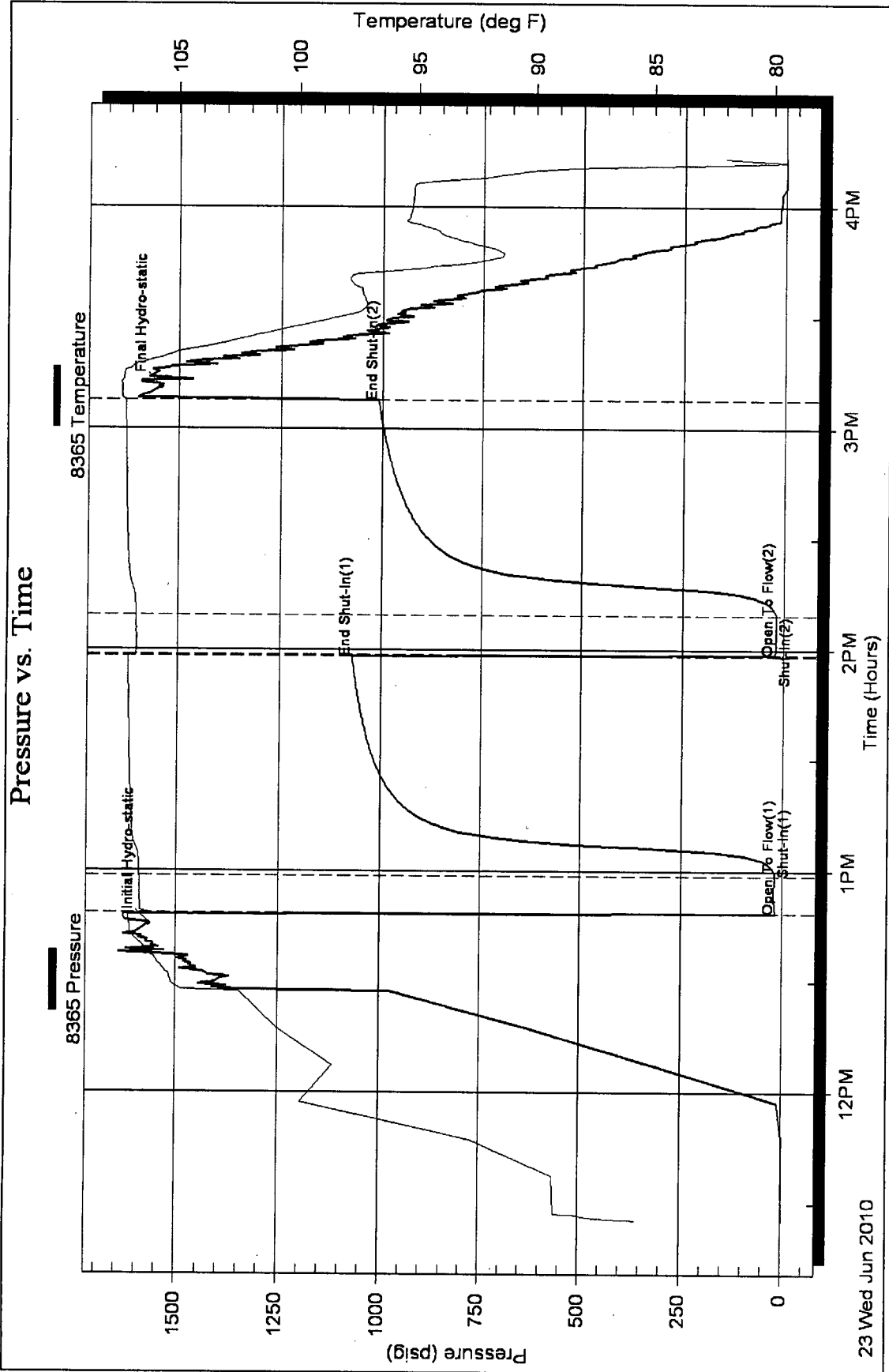
Serial #:

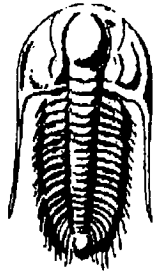
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

1515 Wynkoop
Ste 700
Denver Co 80202

ATTN: Clayton Camozzi

16-17s-12w Barton

Prosser #1-16

Start Date: 2010.06.24 @ 12:38:26

End Date: 2010.06.24 @ 19:41:50

Job Ticket #: 38716 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Sam Gary Jr.&Associates Inc

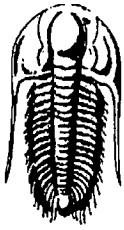
Prosser #1-16

16-17s-12w Barton

DST # 2

Arbuckle

2010.06.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sam Gary Jr. & Associates Inc

Prosser #1-16

1515 Wynkoop
Ste 700
Denver Co 80202
ATTN: Clayton Camozzi

16-17s-12w Barton

Job Ticket: 38716 **DST#: 2**
Test Start: 2010.06.24 @ 12:38:26

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:07:21

Time Test Ended: 19:41:50

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 42

Interval: **3342.00 ft (KB) To 3350.00 ft (KB) (TVD)**

Total Depth: 3469.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1974.00 ft (KB)

1964.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8365 **Inside**

Press@RunDepth: 34.80 psig @ 3343.01 ft (KB)

Start Date: 2010.06.24 End Date: 2010.06.24

Start Time: 12:38:26 End Time: 19:41:50

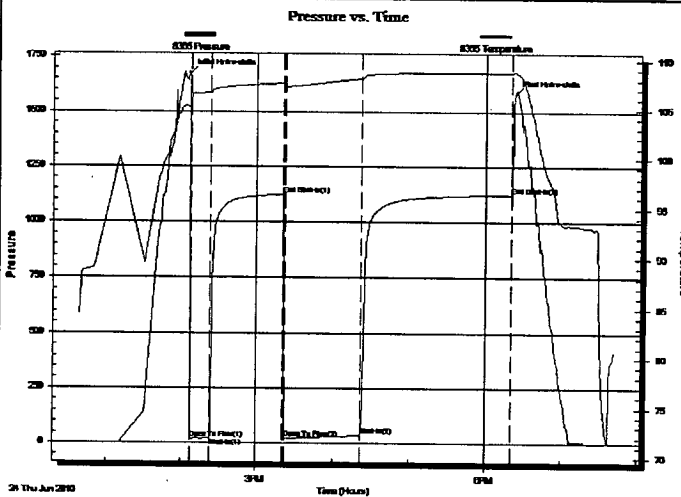
Capacity: 8000.00 psig

Last Calib.: 2010.06.24

Time On Btm: 2010.06.24 @ 14:06:21

Time Off Btm: 2010.06.24 @ 18:23:20

TEST COMMENT: IFF-w k bl 1/4" to 1" bl
FFP-no bl 1st 15min, then surface bl thru-out
Times 15-60-60-120
no bl on shut-in



PRESSURE SUMMARY

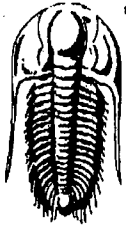
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.31	105.24	Initial Hydro-static
1	19.02	105.90	Open To Flow (1)
17	20.61	106.70	Shut-In(1)
75	1124.14	107.68	End Shut-In(1)
76	21.91	107.34	Open To Flow (2)
136	34.80	108.16	Shut-In(2)
254	1123.52	108.78	End Shut-In(2)
257	1579.77	108.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	CO	0.49
20.00	HOCM 20% O80%M	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sam Gary Jr.&Associates Inc

Prosser #1-16

1515 Wynkoop
Ste 700
Denver Co 80202
ATTN: Clayton Camozzi

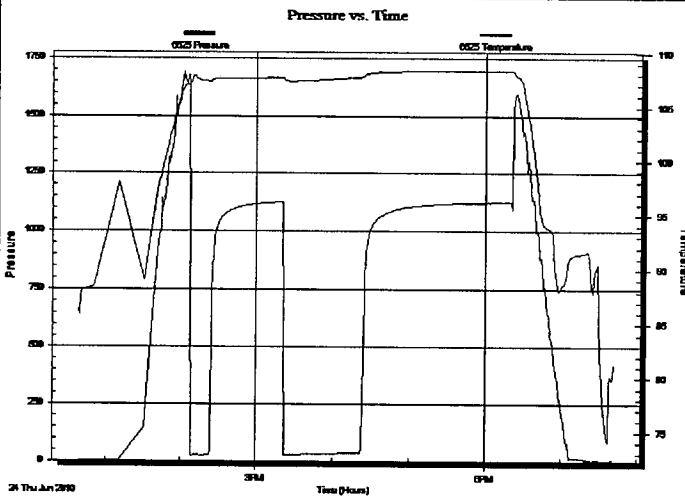
16-17s-12w Barton
Job Ticket: 38716 **DST#: 2**
Test Start: 2010.06.24 @ 12:38:26

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:07:21
 Time Test Ended: 19:41:50
 Interval: **3342.00 ft (KB) To 3350.00 ft (KB) (TVD)**
 Total Depth: 3469.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Straddle
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 1974.00 ft (KB)
 1964.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6625 Outside
 Press@RunDepth: psig @ 3343.02 ft (KB)
 Start Date: 2010.06.24 End Date: 2010.06.24
 Start Time: 12:38:26 End Time: 19:41:50
 Capacity: 8000.00 psig
 Last Calib.: 2010.06.24
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFF-w k bl 1/4"to 1"bl
 FFP-no bl 1st 15min,then surface bl thru-out
 Times 15-60-60-120
 no bl on shut-in



PRESSURE SUMMARY

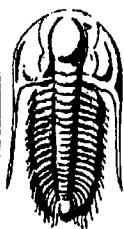
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
35.00	CO	0.49
20.00	HOCM 20%O80%M	0.28

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr. & Associates Inc

Prosser #1-16

1515 Wynkoop
Ste 700
Denver Co 80202
ATTN: Clayton Camozzi

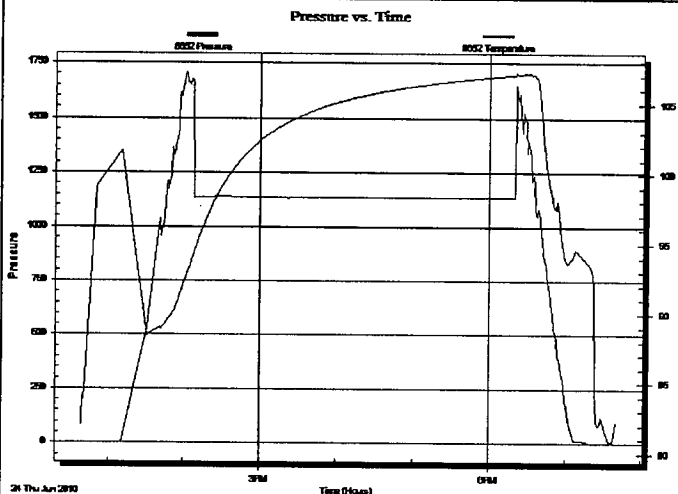
16-17s-12w Barton
Job Ticket: 38716 **DST#: 2**
Test Start: 2010.06.24 @ 12:38:26

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:07:21
Time Test Ended: 19:41:50
Interval: **3342.00 ft (KB) To 3350.00 ft (KB) (TVD)**
Total Depth: 3469.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Straddle
Tester: Ray Schwager
Unit No: 42
Reference Elevations: 1974.00 ft (KB)
1964.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8652 Below (Straddle)
Press@RunDepth: psig @ 3356.03 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.06.24 End Date: 2010.06.24 Last Calib.: 2010.06.24
Start Time: 12:38:26 End Time: 19:40:50 Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-w k bl 1/4"to 1"bl
FFP-no bl 1st 15min, then surface bl thru-out
Times 15-60-60-120
no bl on shut-in



PRESSURE SUMMARY

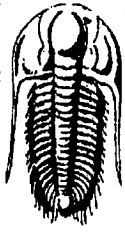
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
35.00	CO	0.49
20.00	HOCM 20%O80%M	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr. & Associates Inc

Prosser #1-16

1515 Wynkoop
Ste 700
Denver Co 80202

16-17s-12w Barton

Job Ticket: 38716

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2010.06.24 @ 12:38:26

Tool Information

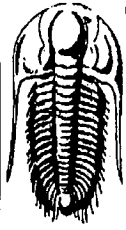
Drill Pipe:	Length: 3319.00 ft	Diameter: 3.80 inches	Volume: 46.56 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 46.56 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3342.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	3350.02 ft			
Interval between Packers:	8.02 ft			
Tool Length:	159.03 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3315.00	
Shut In Tool	5.00			3320.00	
Hydraulic tool	5.00			3325.00	
Jars	5.00			3330.00	
Safety Joint	2.00			3332.00	
Packer	5.00			3337.00	28.00 Bottom Of Top Packer
Packer	5.00			3342.00	
Stubb	1.00			3343.00	
Recorder	0.01	8365	Inside	3343.01	
Recorder	0.01	6625	Outside	3343.02	
Perforations	3.00			3346.02	
Blank Off Sub	1.00			3347.02	
Blank Spacing	3.00			3350.02	8.02 Tool Interval
Packer	5.00			3355.02	
Stubb	1.00			3356.02	
Recorder	0.01	8652	Below	3356.03	
Blank Spacing	93.00			3449.03	
Perforations	21.00			3470.03	
Bullnose	3.00			3473.03	123.01 Bottom Packers & Anchor

Total Tool Length: 159.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. & Associates Inc

Prosser #1-16

1515 Wynkoop
Ste 700
Denver Co 80202

16-17s-12w Barton

Job Ticket: 38716

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2010.06.24 @ 12:38:26

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 11.08 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 7300.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	CO	0.491
20.00	HOCM 20%O80%M	0.281

Total Length: 55.00 ft Total Volume: 0.772 bbl

Num Fluid Samples: 0

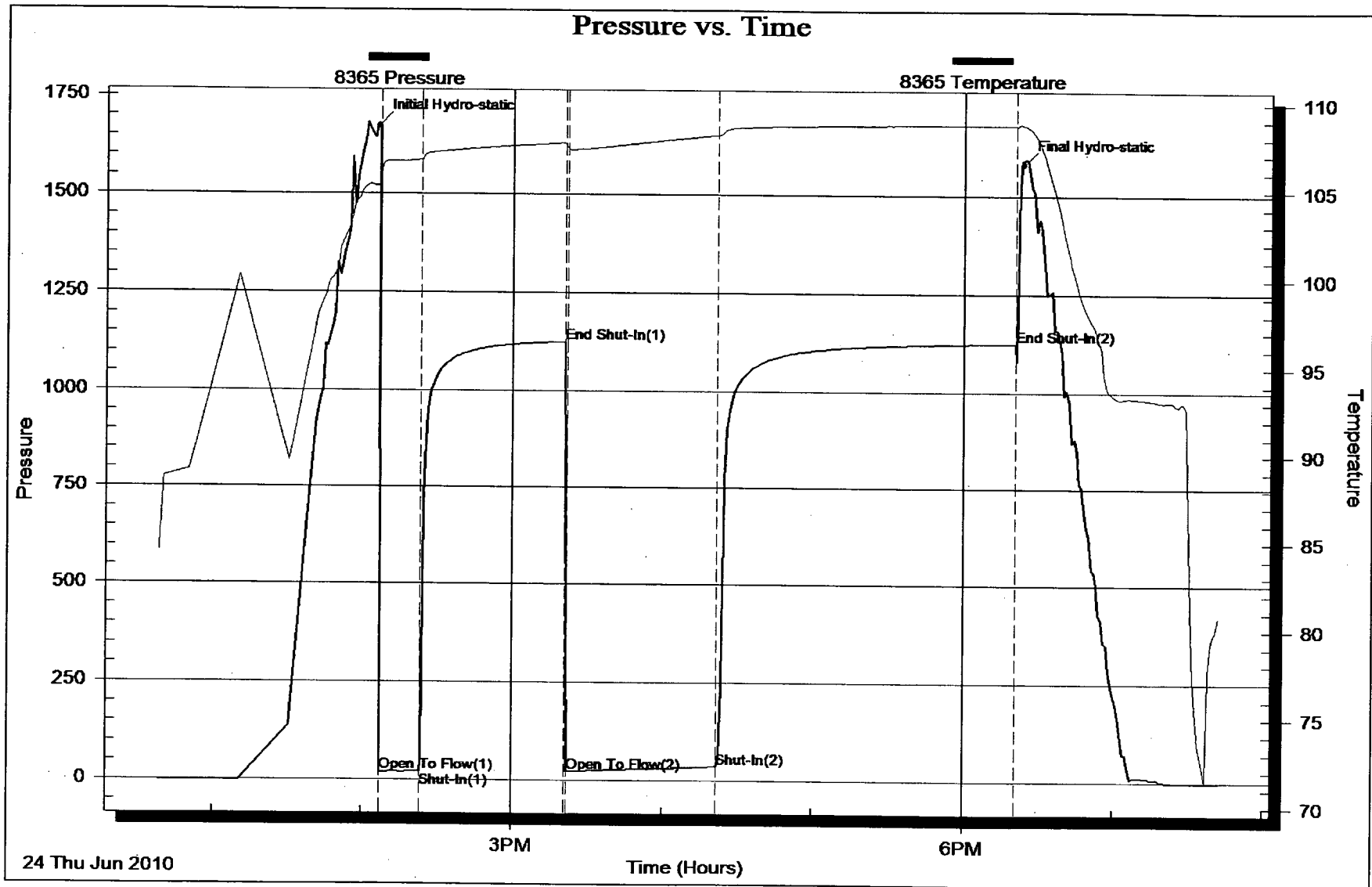
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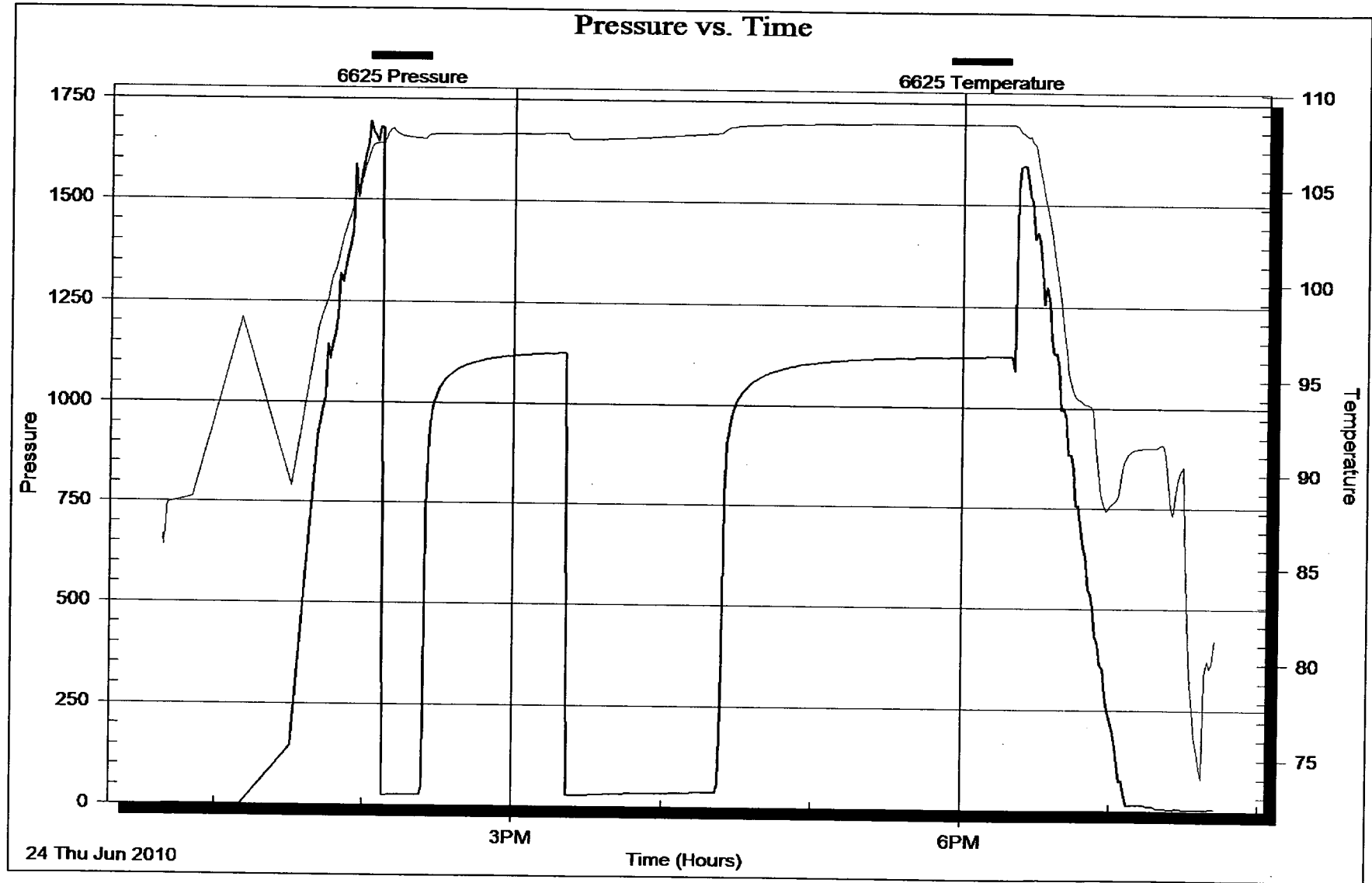
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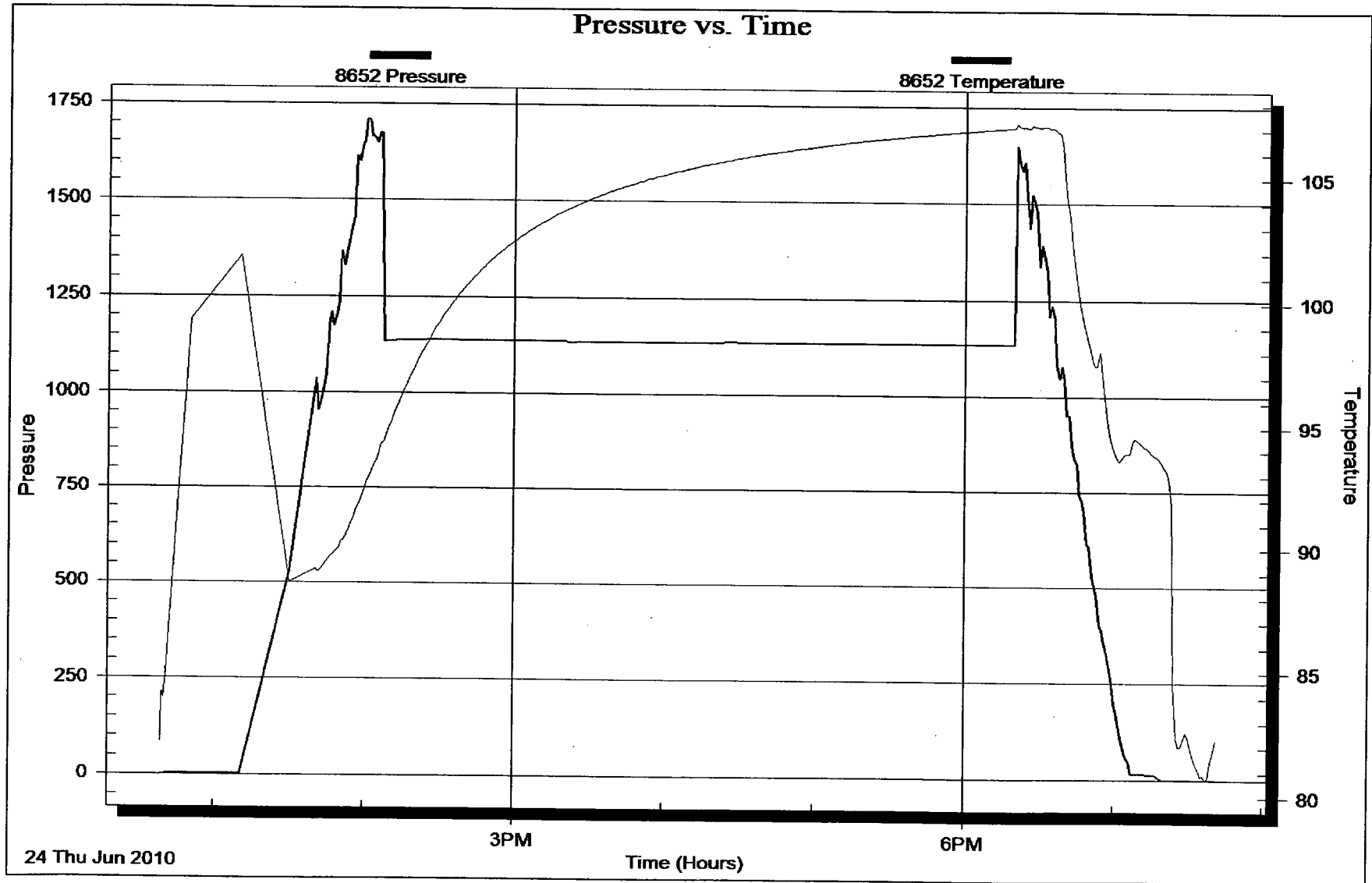
Laboratory Name:

Laboratory Location:

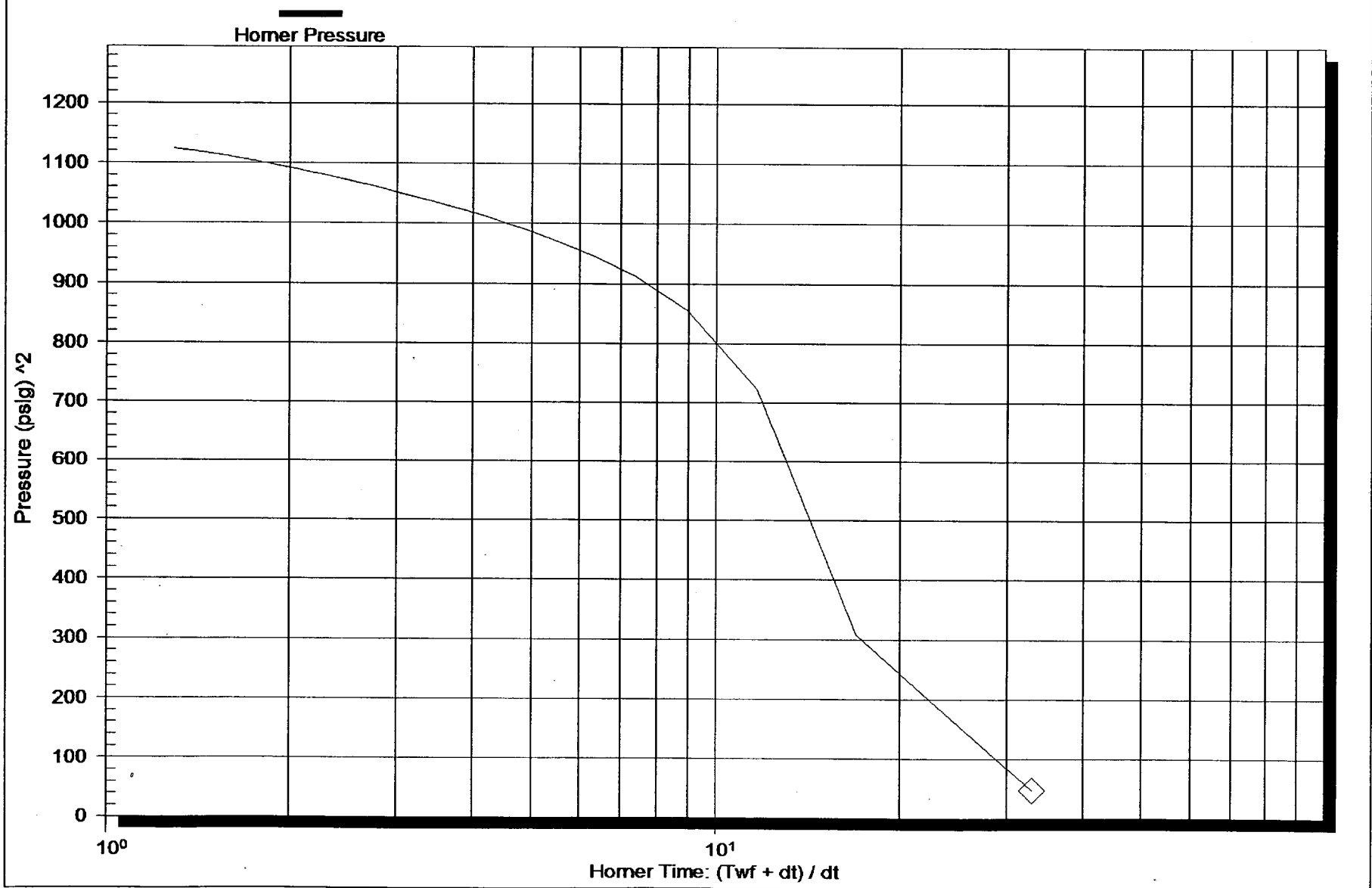
Recovery Comments:







Horner Plot



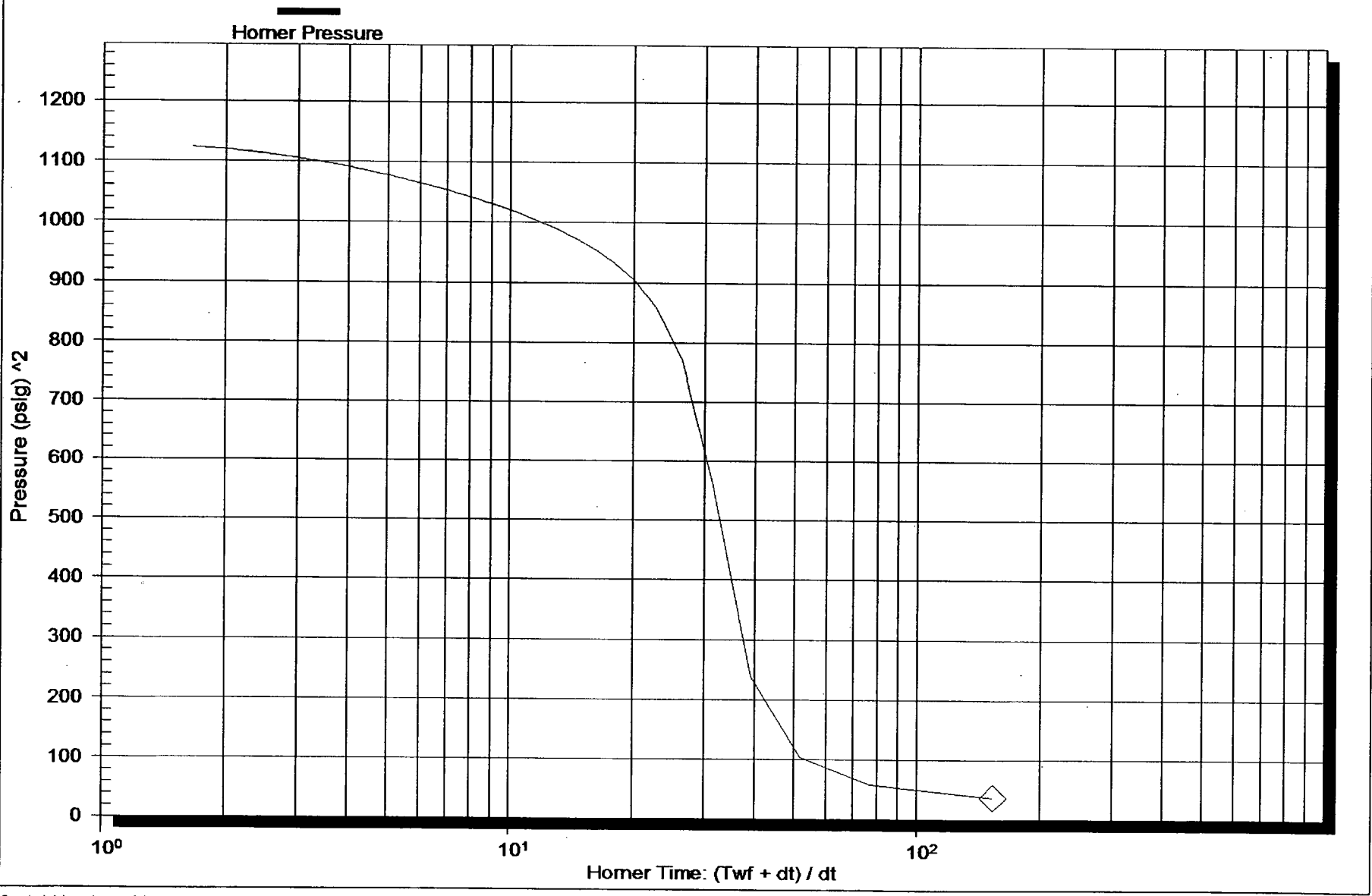
Serial Number: 8365 (Inside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1

Horner Plot

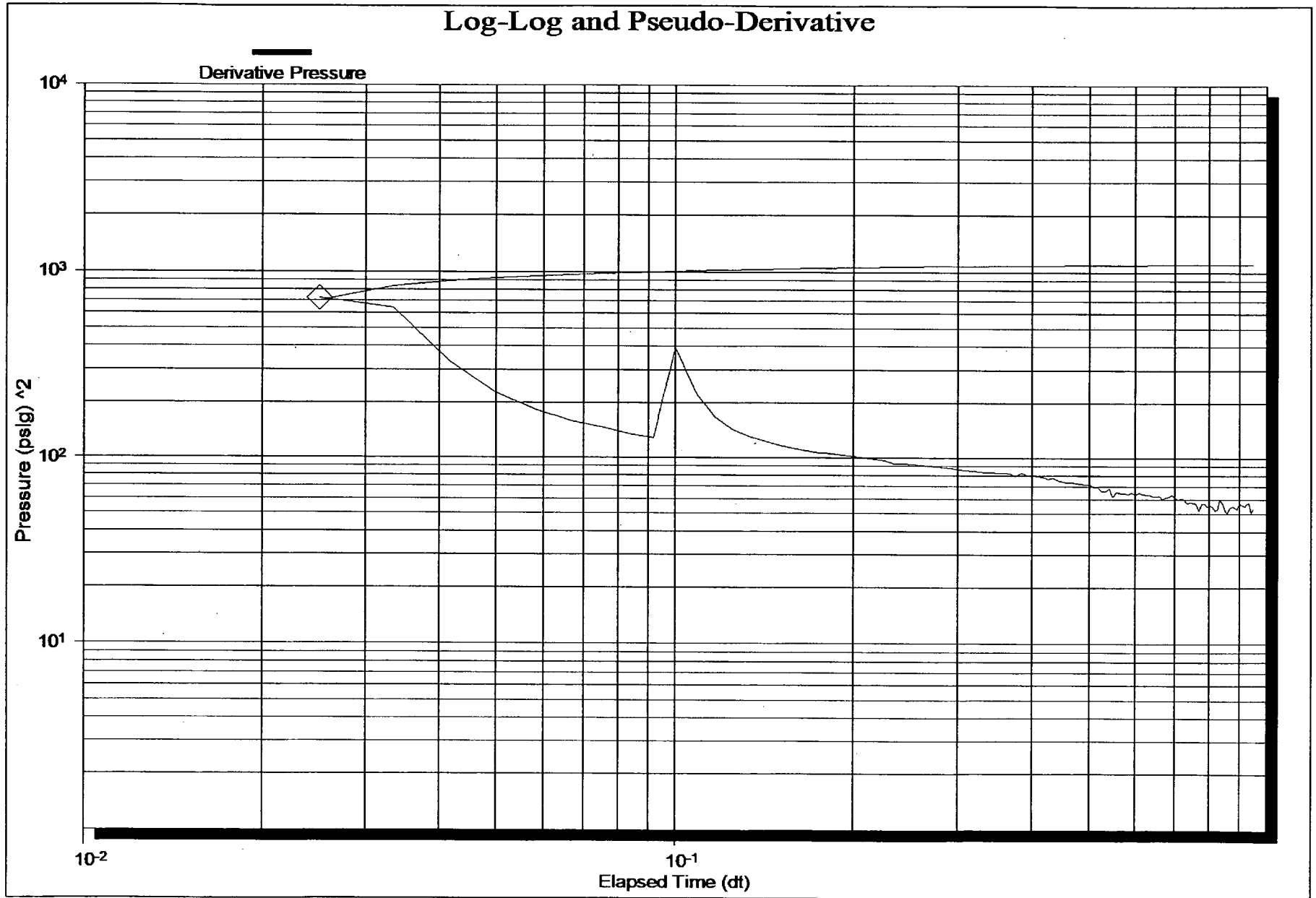


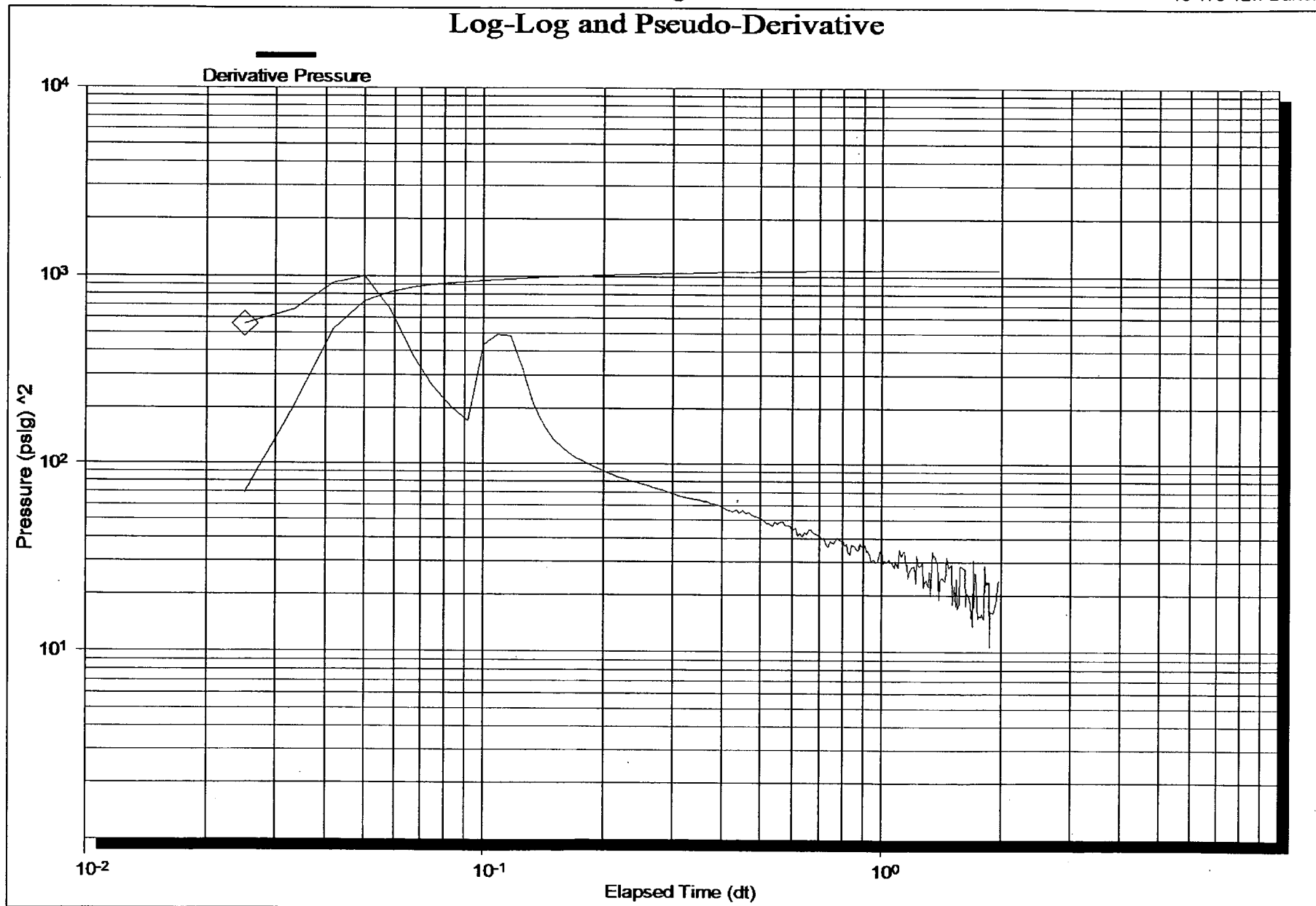
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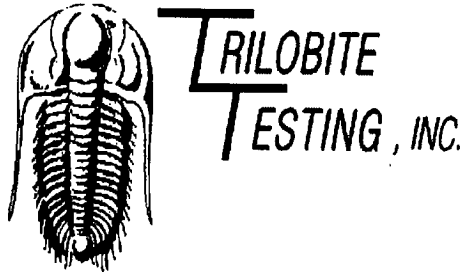
P* :

Slope (m) : kpa/log cycle

Flow Cycle: 2







DRILL STEM TEST REPORT

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

1515 Wynkoop
Ste 700
Denver Co 80202

ATTN: Clayton Camozzi

16-17s-12w Barton

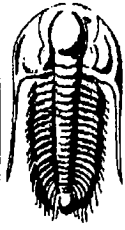
Prosser #1-16

Start Date: 2010.06.24 @ 20:27:06

End Date: 2010.06.25 @ 03:30:30

Job Ticket #: 38717 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.&Associates Inc

Prosser #1-16

1515 Wynkoop
Ste 700
Denver Co 80202
ATTN: Clayton Camozzi

16-17s-12w Barton

Job Ticket: 38717

DST#: 3

Test Start: 2010.06.24 @ 20:27:06

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:44:01

Time Test Ended: 03:30:30

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 42

Interval: **3342.00 ft (KB) To 3355.00 ft (KB) (TVD)**

Total Depth: 3469.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1974.00 ft (KB)

1964.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8365

Inside

Press@RunDepth: 47.92 psig @ 3343.01 ft (KB)

Start Date: 2010.06.24

End Date:

2010.06.25

Start Time: 20:27:06

End Time:

03:30:30

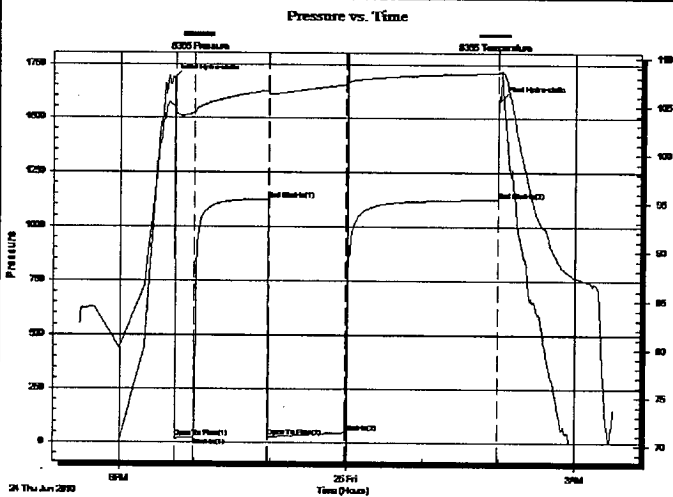
Capacity: 8000.00 psig

Last Calib.: 2010.06.25

Time On Btm: 2010.06.24 @ 21:42:31

Time Off Btm: 2010.06.25 @ 02:00:30

TEST COMMENT: IFP-w kb 1/2"to 1 1/4"bl
FFP-no bl 1st 6min, then surface to 1/2"bl
Times 15-60-60-120
no bl on shut-in



PRESSURE SUMMARY

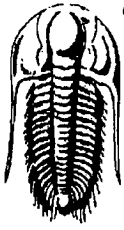
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1681.99	105.00	Initial Hydro-static
2	20.58	104.44	Open To Flow (1)
17	24.60	104.29	Shut-In(1)
75	1125.16	106.61	End Shut-In(1)
76	26.50	106.26	Open To Flow (2)
136	47.92	107.22	Shut-In(2)
256	1123.27	108.45	End Shut-In(2)
258	1580.74	108.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	CO	0.77
30.00	OCM 15%O85%M	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sam Gary Jr. & Associates Inc

Prosser #1-16

1515 Wynkoop
Ste 700
Denver Co 80202
ATTN: Clayton Camozzi

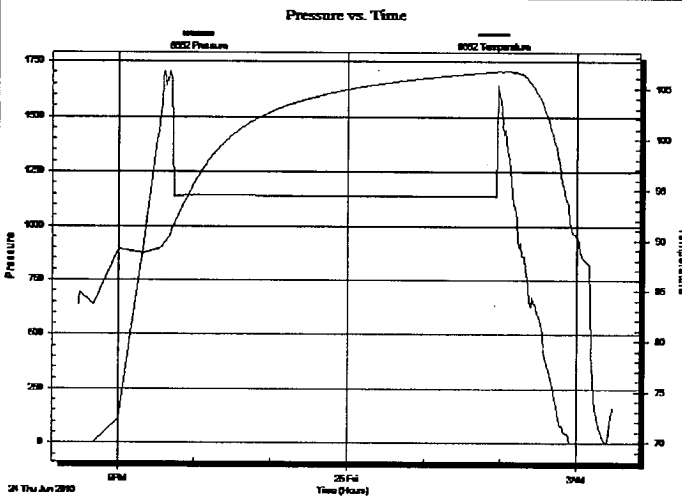
16-17s-12w Barton
Job Ticket: 38717 **DST#: 3**
Test Start: 2010.06.24 @ 20:27:06

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 21:44:01
 Time Test Ended: 03:30:30
 Interval: **3342.00 ft (KB) To 3355.00 ft (KB) (TVD)**
 Total Depth: 3469.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Straddle
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 1974.00 ft (KB)
 1964.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8652 Below (Straddle)
 Press@RunDepth: psig @ 3361.03 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.06.24 End Date: 2010.06.25 Last Calib.: 2010.06.25
 Start Time: 20:27:54 End Time: 03:28:18 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP-w k bl 1/2" to 1 1/4" bl
 FFP-no bl 1st 6min, then surface to 1/2" bl
 Times 15-60-60-120
 no bl on shut-in



PRESSURE SUMMARY

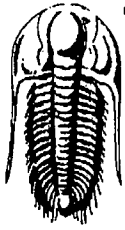
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
55.00	CO	0.77
30.00	OCM 15% O85%M	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr. & Associates Inc

Prosser #1-16

1515 Wynkoop
Ste 700
Denver Co 80202
ATTN: Clayton Camozzi

16-17s-12w Barton

Job Ticket: 38717

DST#: 3

Test Start: 2010.06.24 @ 20:27:06

Tool Information

Drill Pipe:	Length: 3319.00 ft	Diameter: 3.80 inches	Volume: 46.56 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: 50000.00 lb
			Total Volume: 46.56 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3342.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	3355.02 ft			
Interval between Packers:	13.02 ft			
Tool Length:	159.03 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3315.00	
Shut In Tool	5.00			3320.00	
Hydraulic tool	5.00			3325.00	
Jars	5.00			3330.00	
Safety Joint	2.00			3332.00	
Packer	5.00			3337.00	28.00 Bottom Of Top Packer
Packer	5.00			3342.00	
Stubb	1.00			3343.00	
Recorder	0.01	8365	Inside	3343.01	
Recorder	0.01	6625	Outside	3343.02	
Perforations	8.00			3351.02	
Blank Off Sub	1.00			3352.02	
Blank Spacing	3.00			3355.02	13.02 Tool Interval
Packer	5.00			3360.02	
Stubb	1.00			3361.02	
Recorder	0.01	8652	Below	3361.03	
Blank Spacing	93.00			3454.03	
Perforations	16.00			3470.03	
Bullnose	3.00			3473.03	118.01 Bottom Packers & Anchor

Total Tool Length: 159.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr.&Associates Inc

Prosser #1-16

1515 Wynkoop
Ste 700
Denver Co 80202
ATTN: Clayton Camozzi

16-17s-12w Barton
Job Ticket: 38717 **DST#: 3**
Test Start: 2010.06.24 @ 20:27:06

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 11.07 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6400.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	CO	0.772
30.00	OCM 15%O85%M	0.421

Total Length: 85.00 ft Total Volume: 1.193 bbl

Num Fluid Samples: 0

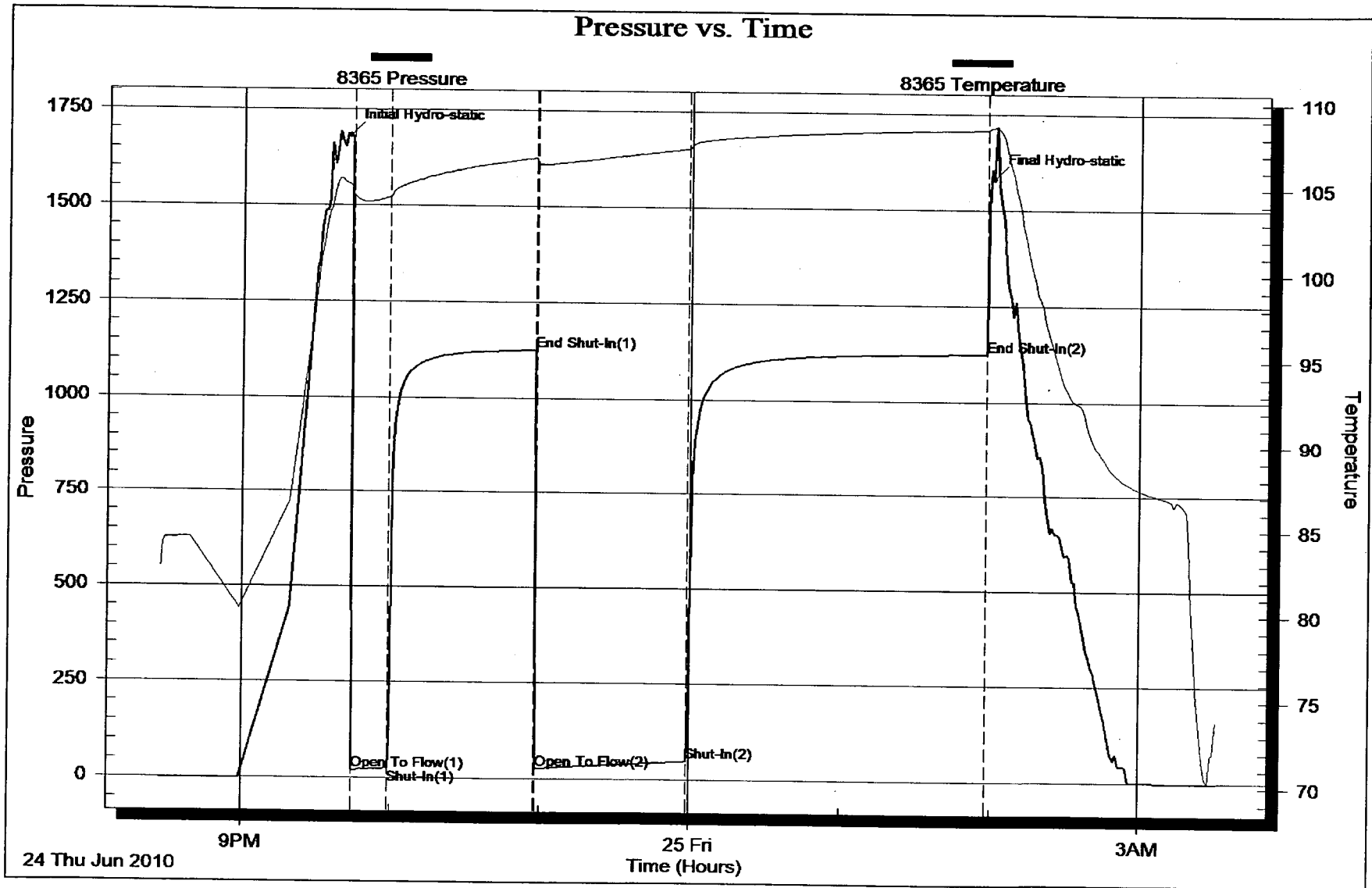
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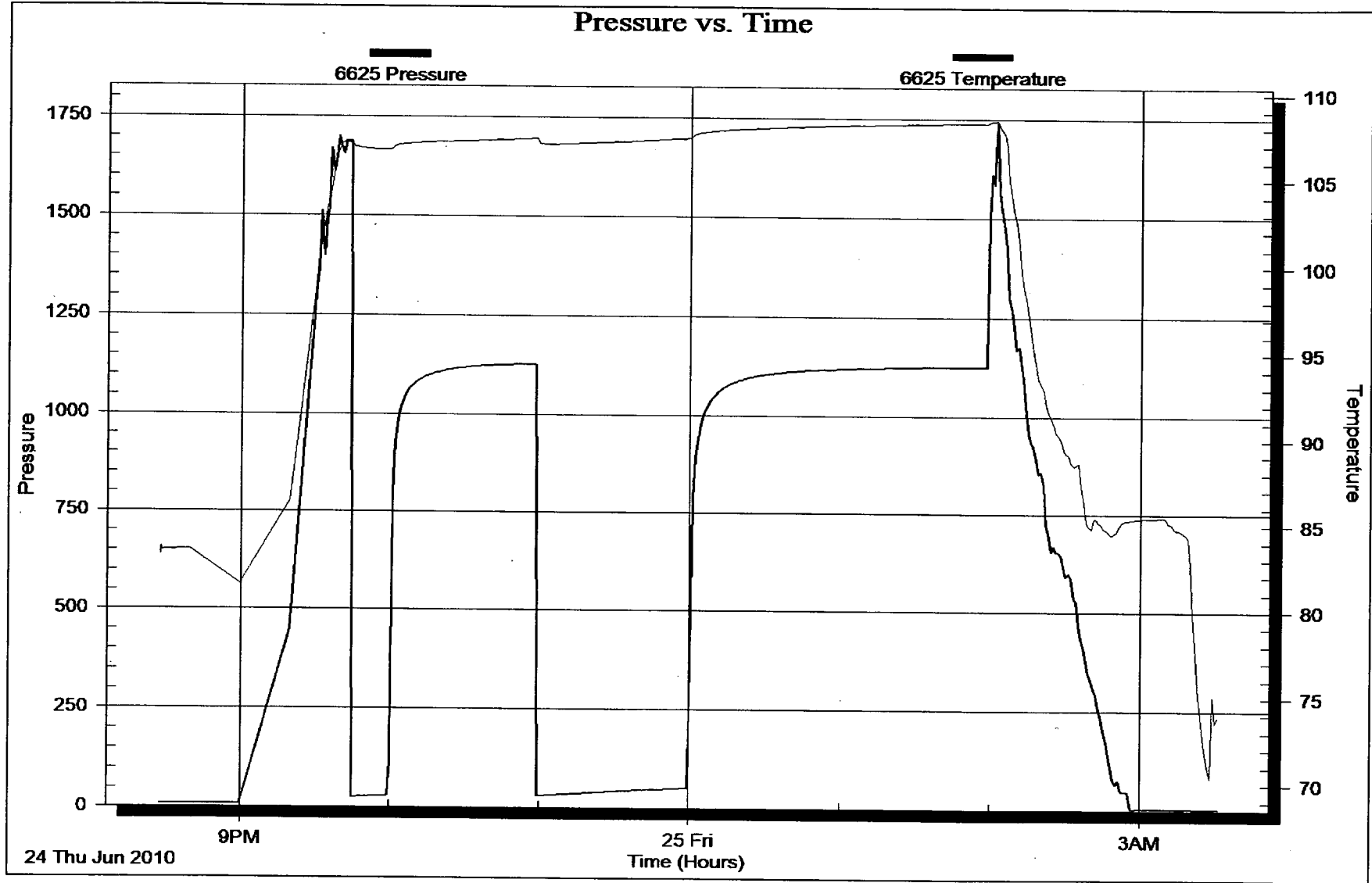
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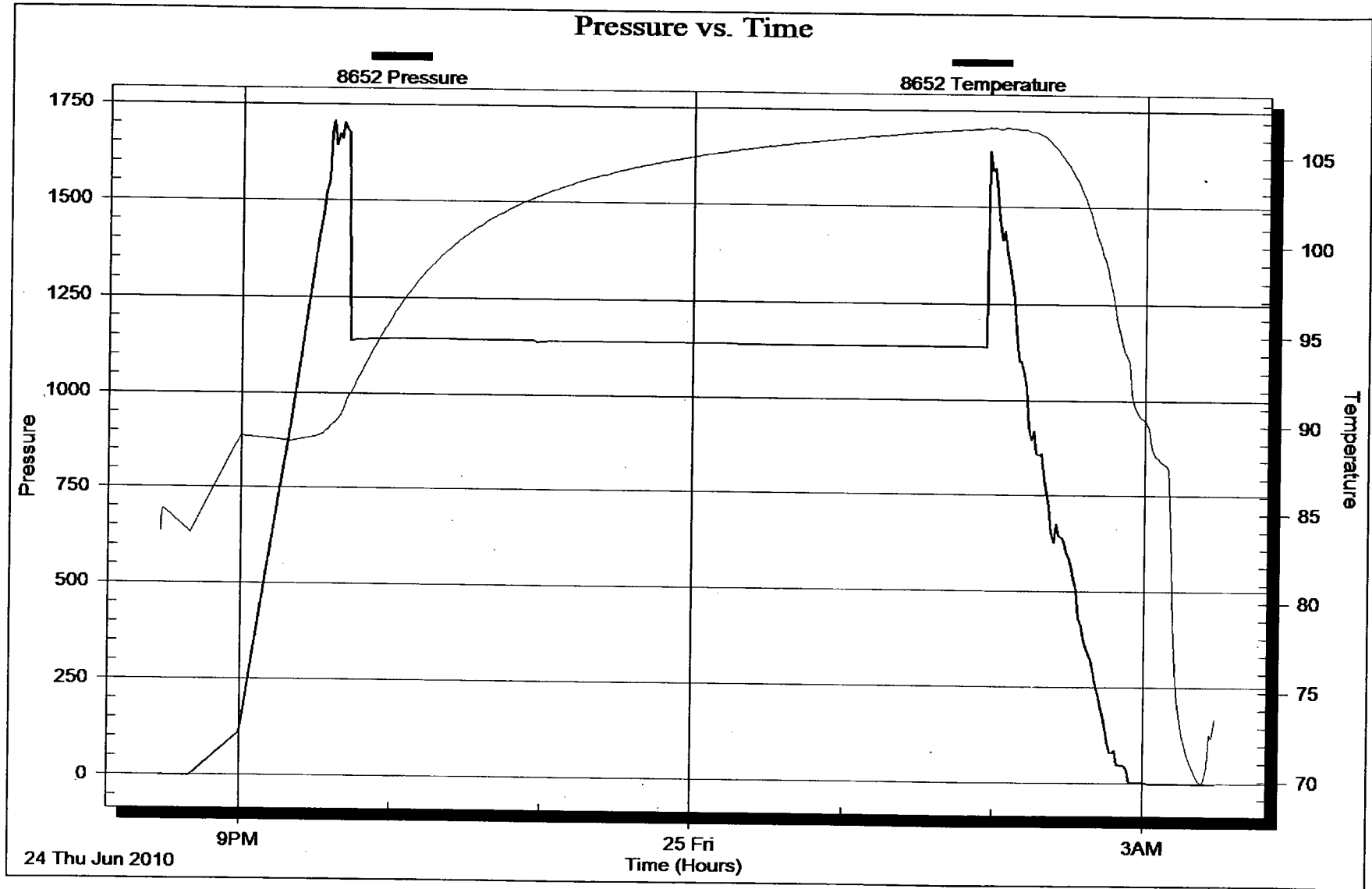
Laboratory Name:

Laboratory Location:

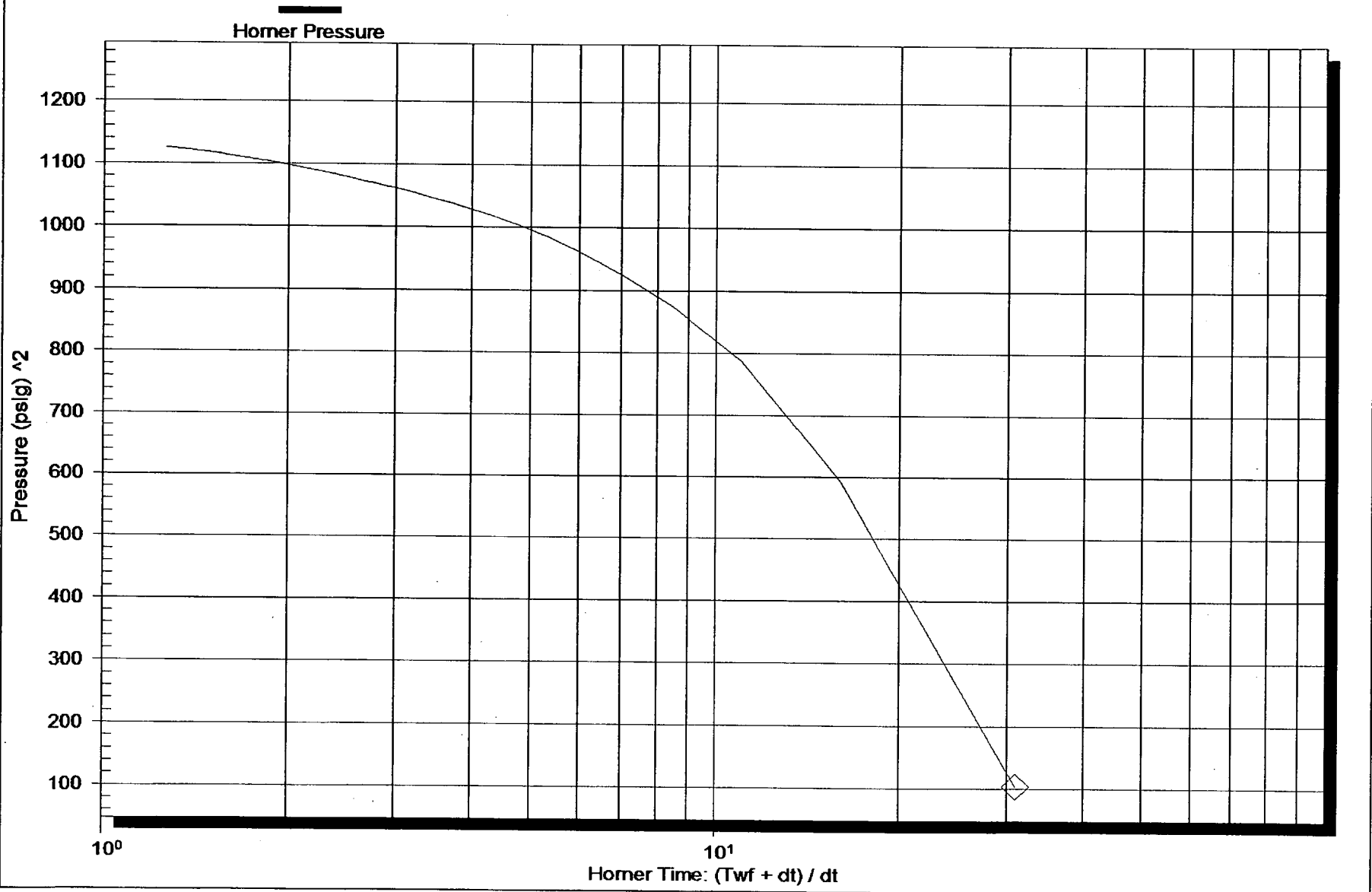
Recovery Comments:







Horner Plot



Horner Plot

