



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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QUALITY WELL SERVICE, INC.

5575

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410

Office / Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	8-29-12	Sec.	11	Twp.	13	Range	20	County	Ellis	State	KS	On Location		Finish	2:45-3:15pm
Lease	King	Well No.	A-1			Location						Yocemento, KS 3W 1N Winto			
Contractor	Sheilds Drilling						Owner						To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.		
Type Job							Charge To						King Oil		
Hole Size	12 1/4	T.D.		220		Depth						220			
Csg.	8 5/8	Depth				Street									
Tbg. Size		Depth				City						State			
Tool		Depth				The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	15 ft	Shoe Joint				Cement Amount Ordered						150sx com 3%CC 2%ogel			
Meas Line		Displace		13.05 bbl											

EQUIPMENT

Pumptrk	No.	8	ady	Common	150
Bulktrk	No.	4	sean	Poz. Mix	
Bulktrk	No.			Gel.	3
Pickup	No.			Calcium	5

JOB SERVICES & REMARKS

Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
Ran 5 Jts of 8 5/8 and landing jt	CFL-117 or CD110 CAF 38
	Sand
	Handling 158
	Mileage 10

FLOAT EQUIPMENT

Est circulation with mud pump	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Hooked up and mixed 150sx - shut down and release plug and disp with 13.05 bbl of H2O - shut in @ 300 psi

Cement d.d circulate!

8 5/8 w/bbten plug

Pumptrk Charge	Surface
Mileage	10

Thank You!!

X Signature *[Signature]*

Tax	
Discount	
Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 730

Date	9-3-12	Sec.	11	Twp.	B	Range	20	County	E, 1115	State	KS	On Location		Finish	4:00 AM
Lease	King	Well No.	A1			Location Yocement and 40 W to JSO 34 N West into									
Contractor	Shields											Owner	To Quality Oilwell Cementing, Inc.		
Type Job	plug											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												T.D.	3820		
Csg.												Depth	3737		
Tbg. Size												Depth			
Tool												Depth			
Cement Left in Csg.												Shoe Joint			
Meas Line												Displace			
													The above was done to satisfaction and supervision of owner agent or contractor.		
													Cement Amount Ordered	245 cc 49% sell 1/2 lb	

EQUIPMENT

Pumptrk	S	No.	Cementer	Matt	Common	147
			Helper			
Bulktrk	10	No.	Driver	Bret	Poz. Mix	95
			Driver			
Bulktrk	JCC	No.	Driver	Loody	Gel.	9
			Driver			

JOB SERVICES & REMARKS

Remarks:		Calcium	
Rat Hole	30 545	Hulls	
Mouse Hole	15 545	Salt	
Centralizers		Flowseal	60#
Baskets		Kol-Seal	
D/V or Port Collar		Mud CLR 48	
		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	254
		Mileage	

1st	37370	545 25
2nd	1440	545 29
3rd	670	545 100
4th	270	545 40
5th	40	545 10

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	Wood Plug
Pumptrk Charge	plug
Mileage	12

X Signature *Thom King*

Tax	
Discount	
Total Charge	



DRILL STEM TEST REPORT

Prepared For: **King Oil Operations**

696 D Fairground Rd
Ellis KS 67637

ATTN: Cliff Ottaway

King #A-1

11-13s-20w Ellis,KS

Start Date: 2012.09.03 @ 13:10:05

End Date: 2012.09.03 @ 19:34:29

Job Ticket #: 49303 DST #: 1

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

Printed: 2012.09.10 @ 15:31:34

King Oil Operations
11-13s-20w Ellis,KS
King #A-1
DST # 1
Arbuckle
2012.09.03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

King Oil Operations

11-13s-20w Ellis,KS

696 D Fairground Rd
Ellis KS 67637

King #A-1

Job Ticket: 49303

DST#: 1

ATTN: Cliff Ottaway

Test Start: 2012.09.03 @ 13:10:05

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:37:30

Time Test Ended: 19:34:29

Test Type: Conventional Straddle (Initial)

Tester: Andy Carreira

Unit No: 39

Interval: 3750.00 ft (KB) To 3772.00 ft (KB) (TVD)

Reference Elevations: 2092.00 ft (KB)

Total Depth: 3820.00 ft (KB) (TVD)

2087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8372 Outside

Press @ Run Depth: 206.00 psig @ 3756.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.03

End Date: 2012.09.03

Last Calib.: 2012.09.03

Start Time: 13:10:05

End Time: 19:34:29

Time On Btm: 2012.09.03 @ 14:36:50

Time Off Btm: 2012.09.03 @ 17:39:39

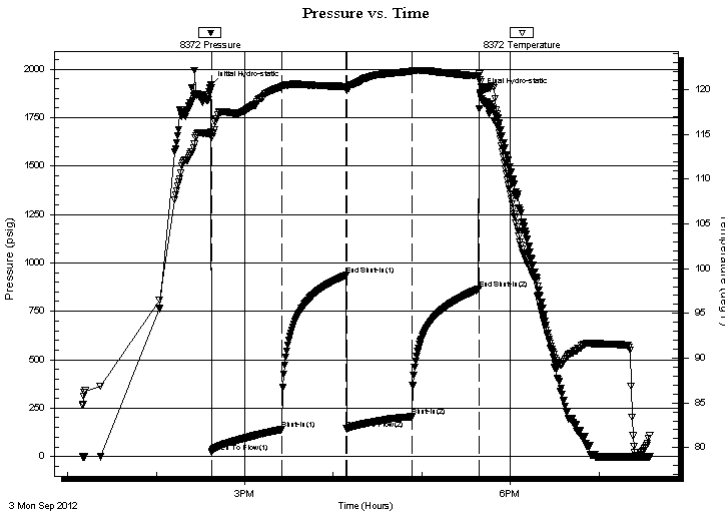
TEST COMMENT: IF:(45min) 3" blow in 5 min. 3.5" in 15 min. Decreased to 2.5"

ISl:(45min) Return Surface Blow . Died in 5 min.

FF:(45min) 2" Blow in 13 min. Decreased to 1.5"

FSl:(45min) Return Surface Blow . Died in 4 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1917.53	115.27	Initial Hydro-static
1	23.27	114.66	Open To Flow (1)
49	139.87	120.35	Shut-In(1)
92	935.59	120.37	End Shut-In(1)
93	143.29	119.96	Open To Flow (2)
137	206.00	122.07	Shut-In(2)
182	865.02	121.53	End Shut-In(2)
183	1880.21	121.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
425.00	MW	3.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

King Oil Operations

11-13s-20w Ellis,KS

696 D Fairground Rd
Ellis KS 67637

King #A-1

Job Ticket: 49303

DST#: 1

ATTN: Cliff Ottaway

Test Start: 2012.09.03 @ 13:10:05

Tool Information

Drill Pipe:	Length: 3341.00 ft	Diameter: 3.80 inches	Volume: 46.87 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 405.67 ft	Diameter: 2.70 inches	Volume: 2.87 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			Total Volume: 49.74 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.67 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3750.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	3772.00 ft			
Interval between Packers:	22.00 ft			
Tool Length:	94.00 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			3731.00	
Shut In Tool	5.00			3736.00	
Hydraulic tool	5.00			3741.00	
Packer	5.00			3746.00	20.00 Bottom Of Top Packer
Packer	4.00			3750.00	
Stubb	1.00			3751.00	
Perforations	5.00			3756.00	
Recorder	0.00	8017	Inside	3756.00	
Recorder	0.00	8372	Outside	3756.00	
Perforations	11.00			3767.00	
Blank Off Sub	1.00			3768.00	
Blank Spacing	4.00			3772.00	22.00 Tool Interval
Packer	5.00			3777.00	
Perforations	5.00			3782.00	
Change Over Sub	1.00			3783.00	
Recorder	0.00	8647	Below	3783.00	
Drill Pipe	32.00			3815.00	
Change Over Sub	1.00			3816.00	
Perforations	5.00			3821.00	
Bullnose	3.00			3824.00	52.00 Bottom Packers & Anchor

Total Tool Length: 94.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

King Oil Operations

11-13s-20w Ellis,KS

696 D Fairground Rd
Ellis KS 67637

King #A-1

Job Ticket: 49303

DST#: 1

ATTN: Cliff Ottaway

Test Start: 2012.09.03 @ 13:10:05

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:

14000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
425.00	MW	3.144

Total Length: 425.00 ft

Total Volume: 3.144 bbl

Num Fluid Samples: 0

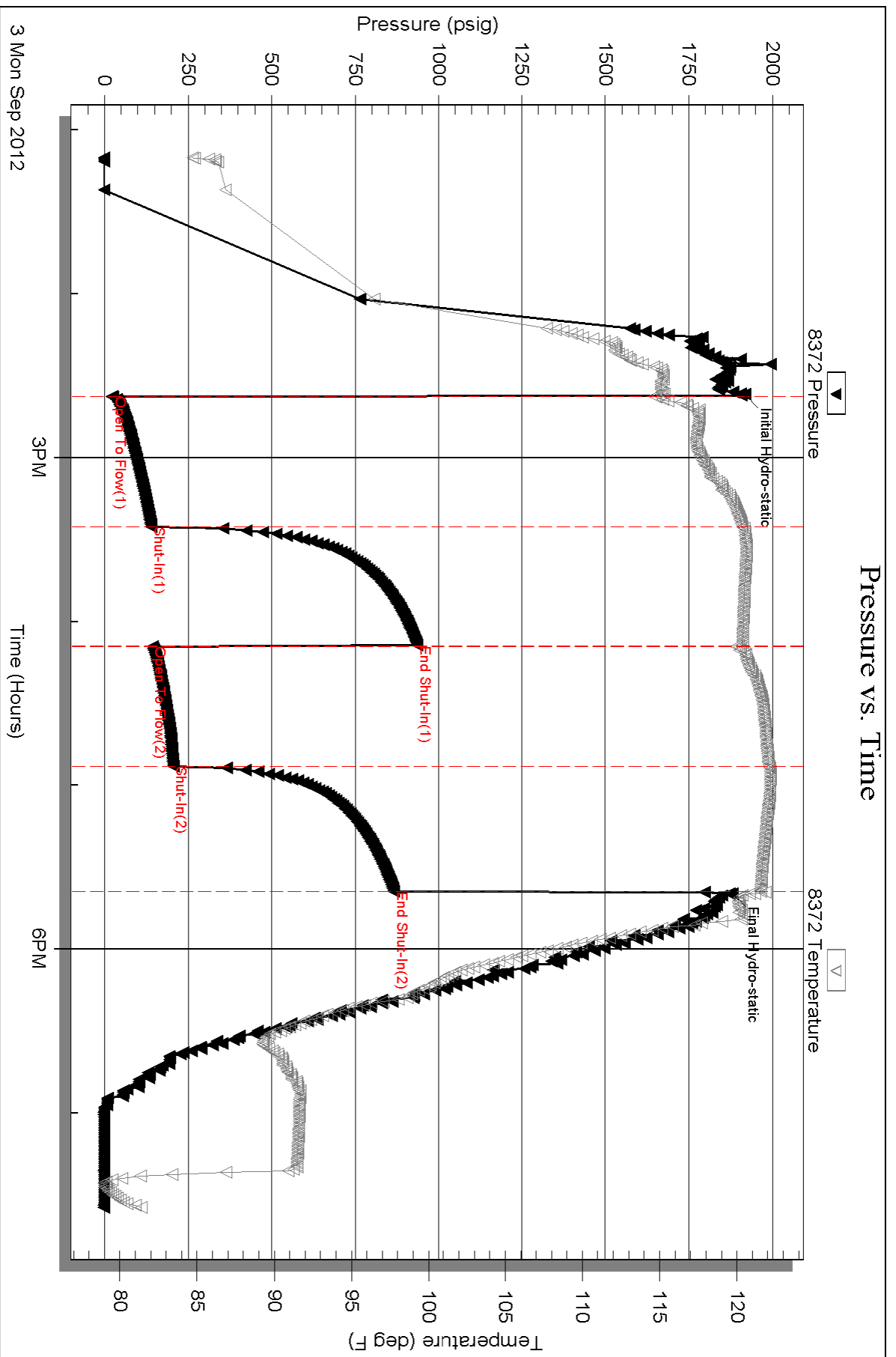
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



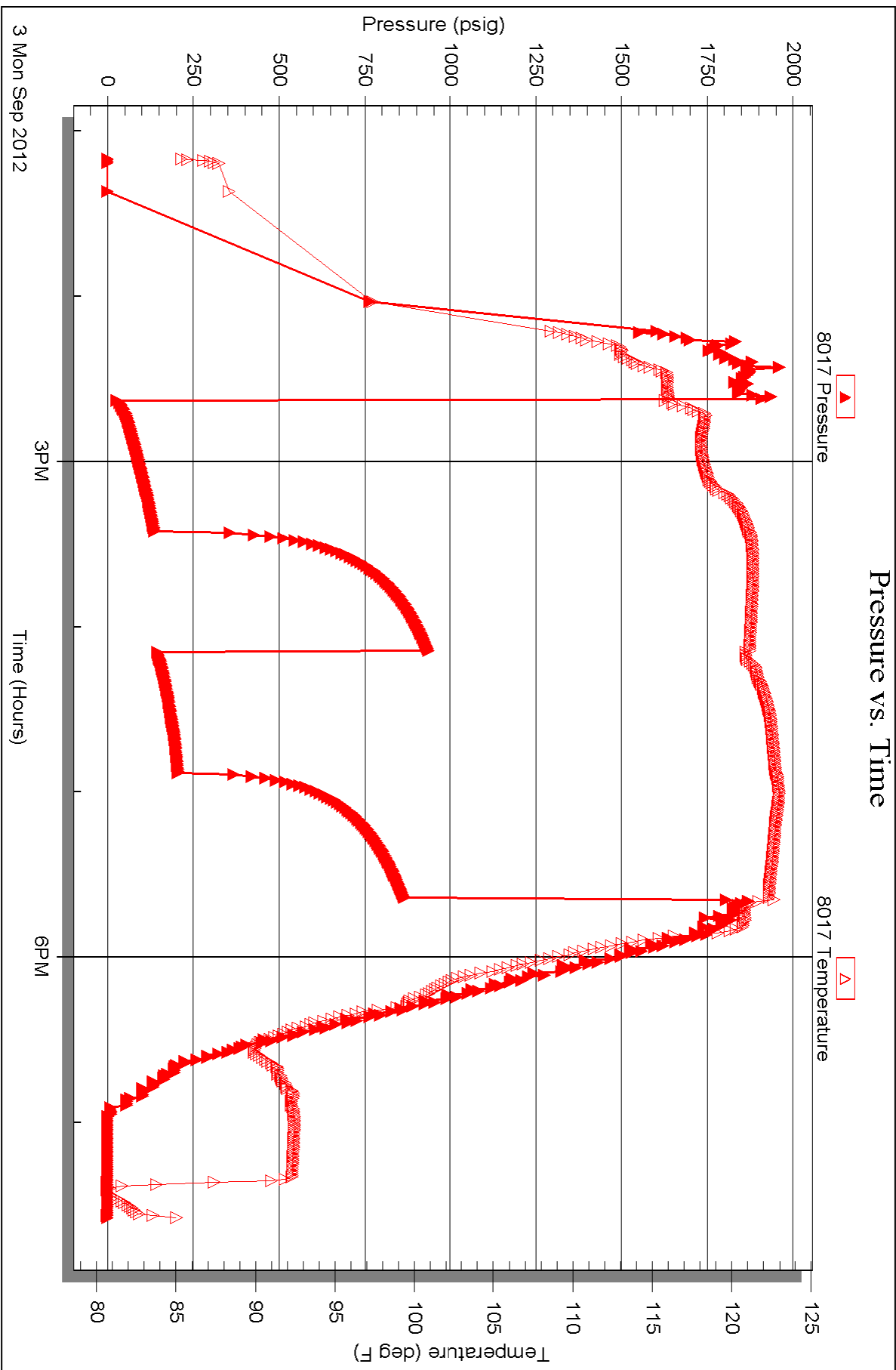
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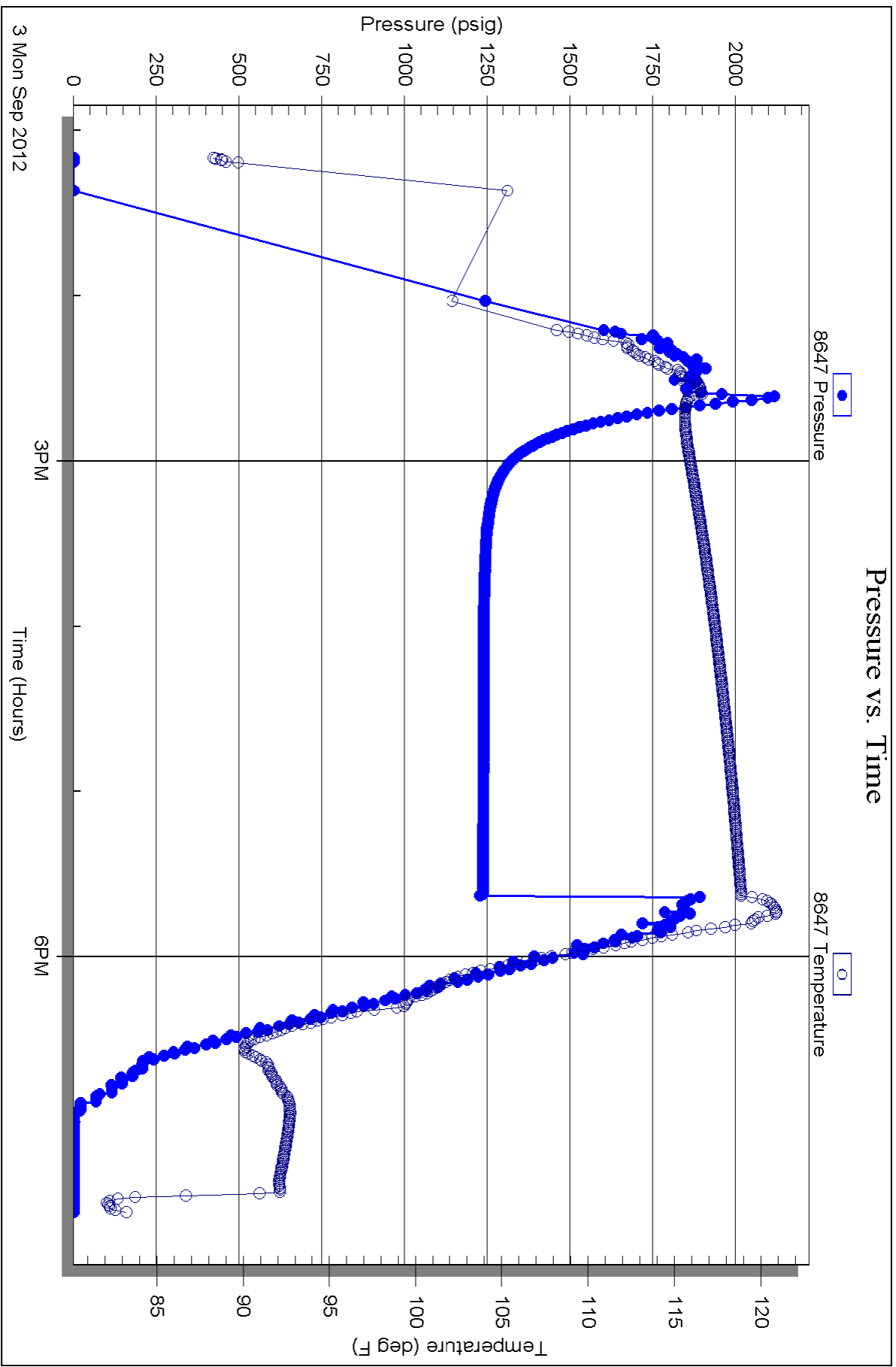
Inside

King Oil Operations

King #A-1

DST Test Number: 1







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49303

Well Name & No. King #A-1 Test No. 1 Date 9-13-12
 Company King Oil operation Elevation 2092 KB 2087 GL
 Address 696 D Fairground Rd Hays KS 67637
 Co. Rep / Geo. Cliff Offaway Rig Shields #2
 Location: Sec. 11 Twp. 13S Rge. 20W Co. Ellis State KS

Interval Tested 3750-3772 Zone Tested Arbuckl²
 Anchor Length 22 Drill Pipe Run 3341 Mud Wt. 8.7
 Top Packer Depth 3750 Drill Collars Run 0 Vis 60
 Bottom Packer Depth 3772 Wt. Pipe Run 405.67 WL 8.0
 Total Depth 3820 Chlorides 2000 ppm System LCM TR
 Blow Description FF: 3" blow in 5min. 3 1/2" in 15min. Decreased to 2.5"
FSD: Return surface blow. Dred in 5min.
FF: 2" blow in 13min decreased to 1 1/2"
FSD: Return surface blow. Dred in 4min

Rec	Feet of	%gas	%oil	%water	%mud
<u>425</u>	<u>mw</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 425 BHT 121 Gravity _____ API RW 34 @ 90 °F Chlorides 14000 ppm

(A) Initial Hydrostatic 1917 Test 1150 T-On Location 12:01
 (B) First Initial Flow 23 Jars _____ T-Started 13:10
 (C) First Final Flow 139 Safety Joint _____ T-Open 14:38
 (D) Initial Shut-In 935 Circ Sub _____ T-Pulled 17:38
 (E) Second Initial Flow 143 Hourly Standby _____ T-Out 19:34
 (F) Second Final Flow 206 Mileage 30 RTA 46.50 Comments _____
 (G) Final Shut-In 865 Sampler _____
 (H) Final Hydrostatic 1880 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1796.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1796.50

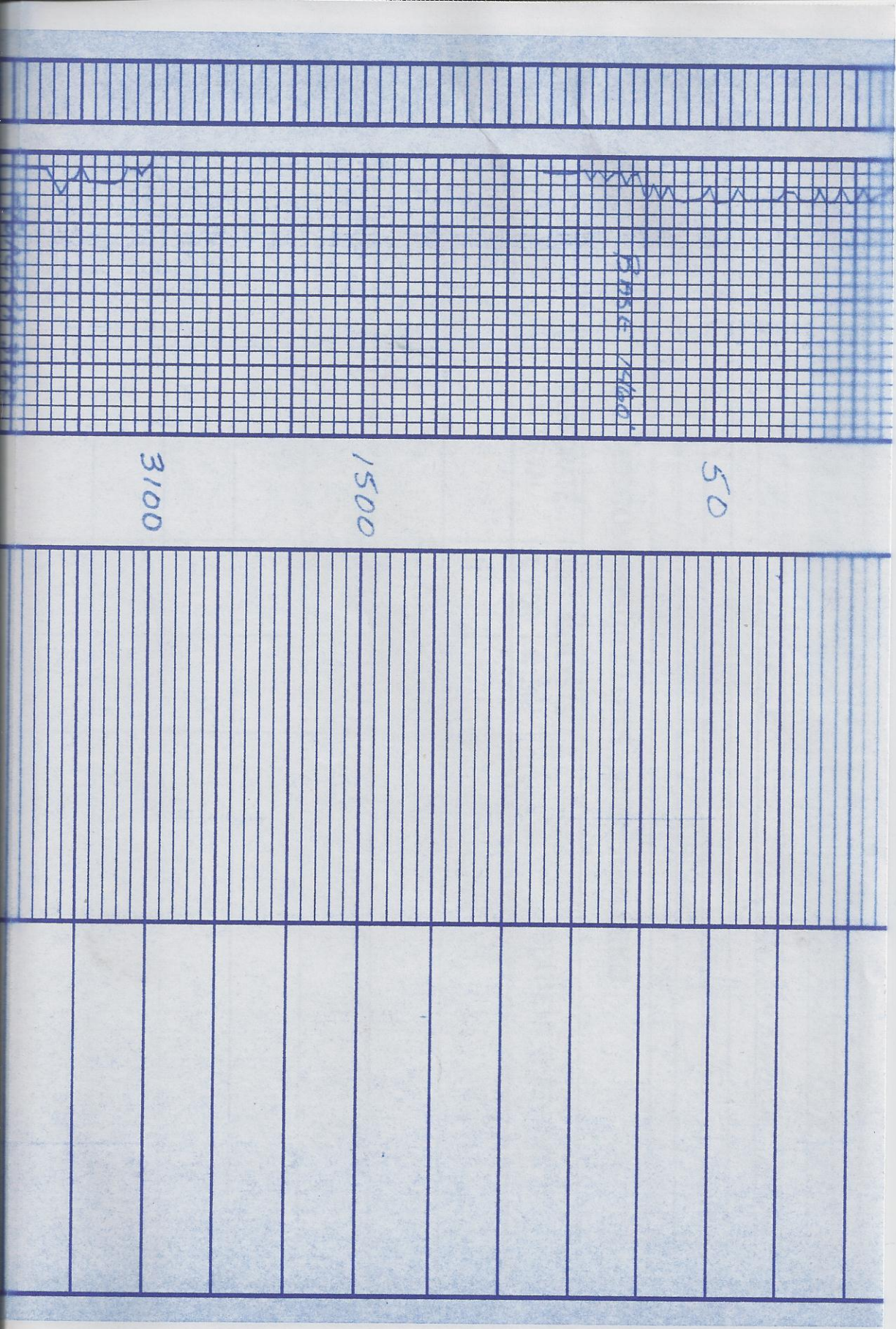
Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Lithology	Drilling time in minutes	DEPTH	Sample Description	Remarks, drill stem tests, etc.
		1400		

SCALE " = 100'

LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Ool.Lime
- Chert
- Dolomite



50

3100

1030

50

3200

45 OFFWD-TAN EXIN Foss

N/S

45 OFFWD-GRY. F-WALD
Foss. sl. chalky

45 TAN-GRY EXIN - Foss

Succrosic sl. dk N/S

34 GRY-BRN

25 Wk-OFFWD-EXIN Foss
chalky

A.D.

25 TAN-1/4 GRY EXIN
Foss. sl chalky N/S

34 GRY-BRN

25 A.A. sl. dk

24. BIX Carb.

25 TAN-EXIN Foss

Wt. 8.7

Wt. 8.9

~~MEGANE BISS~~
1205

50

3300

50

23 wk. OFFWk. F-WRNA
FOSS SI Chaiky. NIS

UIS 50
WT. 8.9

25. wk. OFFWk. F-RN.
SI ATy. NIS

24 Rk. RN.

23 OFFWk - TAN - F-RN.
FOSS. SI. ATy

UIS. 51
WT 9.0

25 wk. OFFWk. F-WRNA
FR. ORIS T-11 47.
JINTEX- PPO 0

25 wk. OFFWk. F-WRNA
SI. Chaiky

Rk. Paer sh.

25 wk. F-RN. NIS

TOBACCO 3309
= 1280

KANSAS 15-14
3309 - 1304

3400

50

24 - Grey - Brown

23 Wk. OF Fwd. EXIN
Foss St. Chalky - DIS

24 Grey - Brown

23 Wk. OF Fwd. F-WRN
Foss. T-11 St. T-FO.
INTERXID

A.M.

25 Wk. Wk. TAN F-WRN
Foss. St. Chalky - T-11 St.
VF ORD. INTERXID

24 Grey - Brown

25 OF Fwd. EXIN Foss -
St Chalky

24 Grey - Brown

25 OF Fwd. TAN F-WRN
Foss. A.S.

U.S. 4/8
WT 9.3

U.S. 50
WT. 9.3

3600

50

Ad.

Ad.

LS Wk. DEFSK. F-WXIN

Foss. T 17 ST.

INTEREX P 31 014

WIS 48
WT. 9.5

LS DEFSK. - F-WXIN Foss

T 17 ST INTEREX. PWA

sk Gay Ben

LS Wk. DEFSK. Foss.

Foss. ST Chaddy

T 17 ST. Tarry RESIDUAL

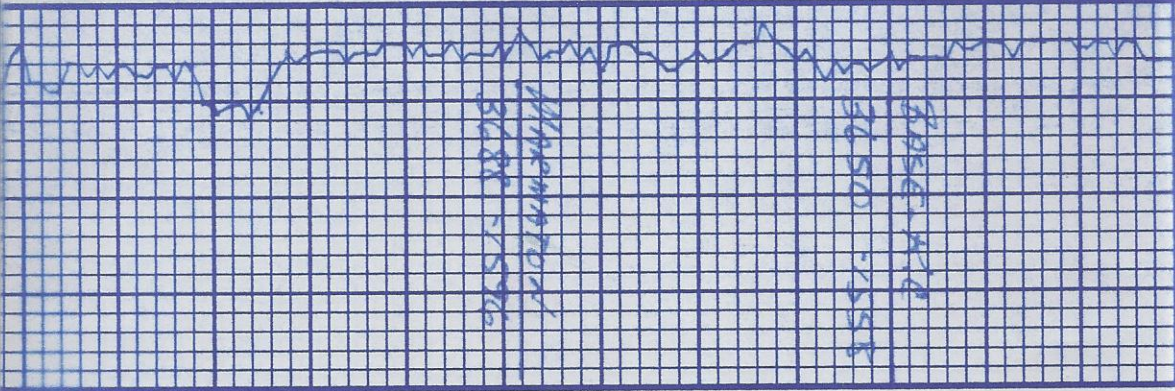
INTEREX P

LS Wk. - TAN-17qy. F-WXIN

Foss ST Chaddy.

WIS

Ad.



PHARMACOKINETIC
 3488-7596

ROSE ACID
 3450-7558

50

3700

St. Ben-Gey

23. OFFSH. HGR. FISH
 FISH. ST. CHAIR - ALS

St. Ben-Gey

St. Rod. Ben-Gey

23. 10K - OFFSH. FISH FISH
 Chalky

23. 10K. OFFSH. FISH FISH
 FISH. AIR - FISH FISH
 TAILERS

19A. TAC. BT

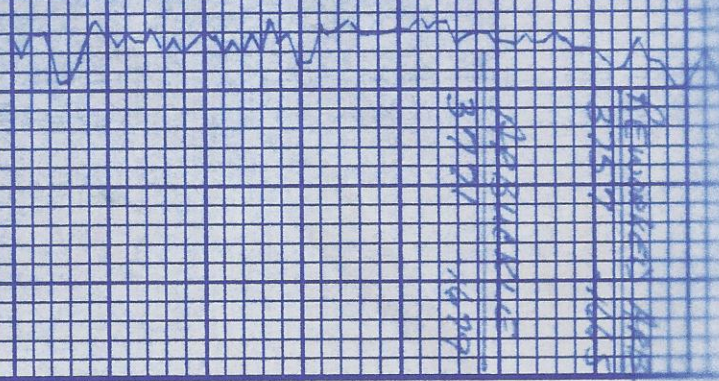
St. Rod. Ben-Gey

42. 12

WIS. 50
 WT 9.2

WIS. 49.0

WT. 9.3



RECORDED
37721 1429

RECORDED
37721 1429

RTM 3820

50

3800

50

Doc. Wk. FBI - SANDY.
Chalky Dy. T. DK ST
Tarry Residence
TARBOX 1-11-57

Doc. TAN F-RM - SUCCESSION
FD

Doc. TAN - CHECK F-RM
9. Dy - Mostly Green

Doc. Ad.

Doc. Ad.

STAN (STRIDOLE)
3750-3772

DST No 1
45-45-45-45

REC: 425 MW
I.F: 23-139
F.F: 448 206
I.SIP: 935
F.SIP: 865