



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1310347
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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

1310347

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input 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 type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **King Oil Operations**

1746 150th Ave
Ellis KS 67637

ATTN: Charlie Sturdavant

Singer #1-19

19 12s 31w Gove,KS

Start Date: 2016.05.22 @ 00:12:00

End Date: 2016.05.22 @ 07:06:00

Job Ticket #: 64775 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.05.25 @ 14:31:29

King Oil Operations 19 12s 31w Gove,KS Singer #1-19 DST # 1 Johnson 2016.05.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

King Oil Operations

19 12s 31w Gove, KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64775

DST#: 1

ATTN: Charlie Sturdavant

Test Start: 2016.05.22 @ 00:12:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:53:45

Time Test Ended: 07:06:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: 4508.00 ft (KB) To 4535.00 ft (KB) (TVD)

Reference Elevations: 2939.00 ft (KB)

Total Depth: 4535.00 ft (KB) (TVD)

2931.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8289

Outside

Press@RunDepth: 33.92 psig @ 4509.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.05.22

End Date:

2016.05.22

Last Calib.: 2016.05.22

Start Time: 00:12:02

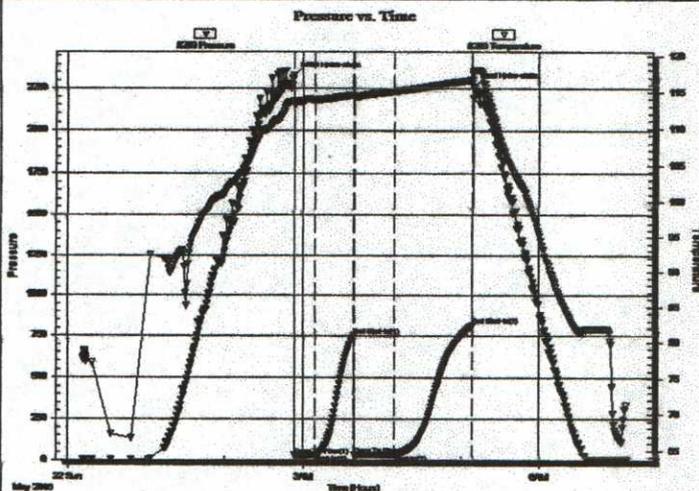
End Time:

07:06:00

Time On Btm: 2016.05.22 @ 02:53:30

Time Off Btm: 2016.05.22 @ 05:10:00

TEST COMMENT: 15-IFP- 1 1/4". Blow
30-ISIP- No Blow
30-FFP- Weak Surface Blow in 3 min.
60-FSIP- No Blow



PRESSURE SUMMARY

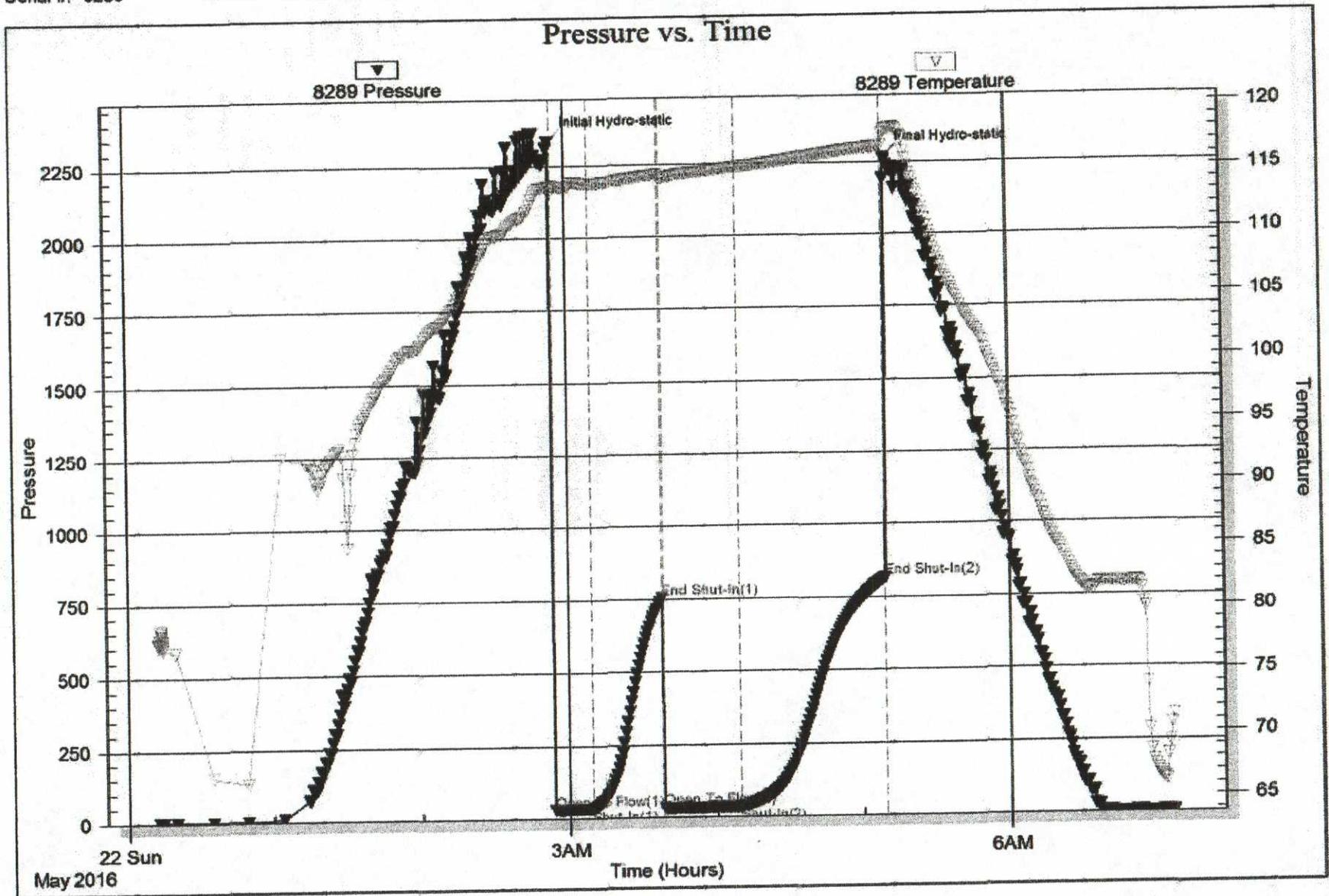
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2329.76	113.76	Initial Hydro-static
1	30.26	113.12	Open To Flow (1)
16	32.06	113.89	Shut-In(1)
45	751.48	114.58	End Shut-In(1)
46	34.04	114.21	Open To Flow (2)
76	33.92	115.08	Shut-In(2)
136	816.49	116.65	End Shut-In(2)
137	2262.50	117.73	Final Hydro-static

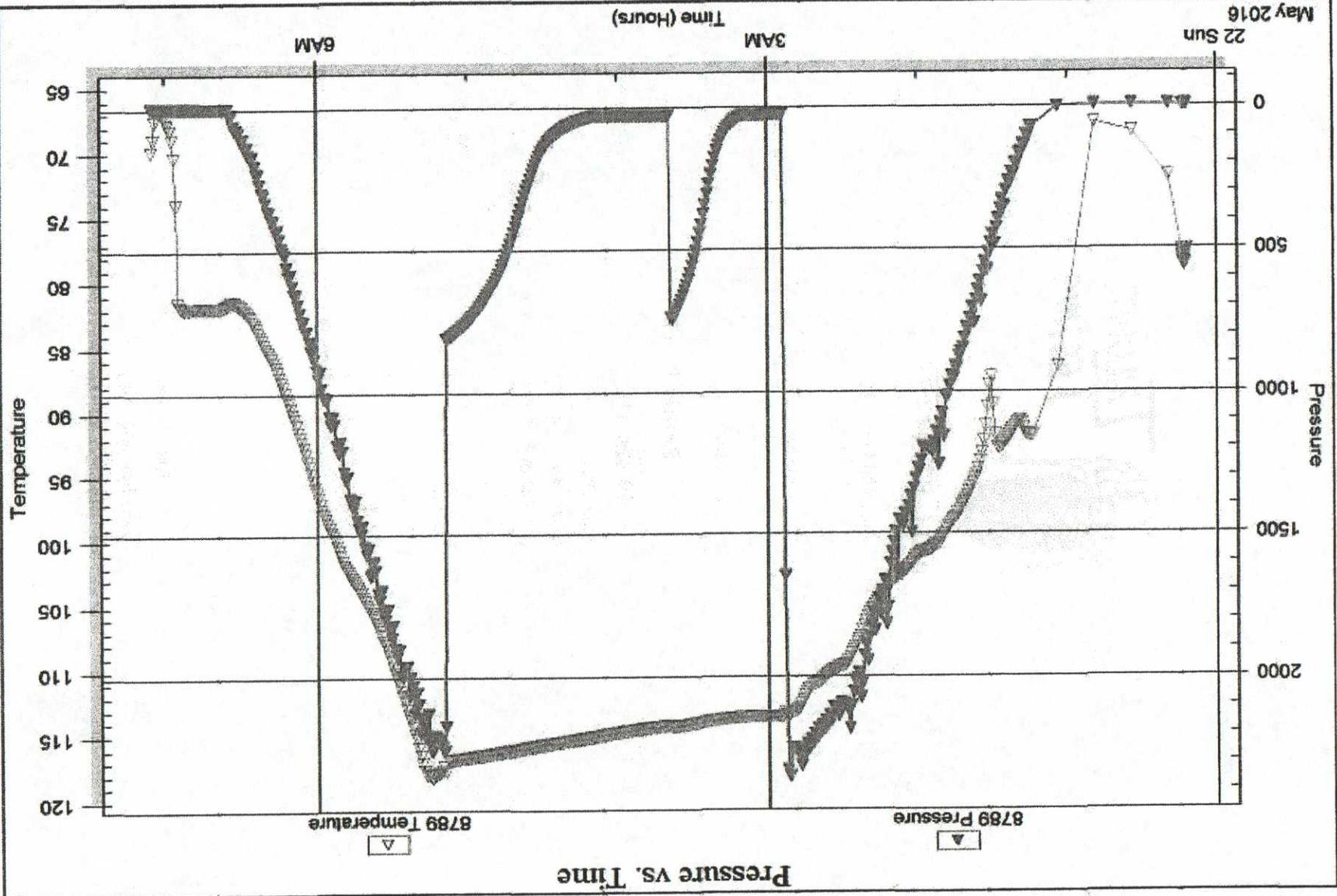
Recovery

Length (ft)	Description	Volume (bbl)
20.00	Oil Speck Mud 1%o 99% m	0.15

Gas Rates

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







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

King Oil Operations

19 12s 31w Gove,KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64775

DST#: 1

ATTN: Charlie Sturdavant

Test Start: 2016.05.22 @ 00:12:00

Tool Information

Drill Pipe:	Length: 4171.00 ft	Diameter: 3.80 inches	Volume: 58.51 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 312.00 ft	Diameter: 2.75 inches	Volume: 2.29 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: 55000.00 lb
			<u>Total Volume: 60.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4508.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 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			4481.00	
Shut In Tool	5.00			4486.00	
Hydraulic tool	5.00			4491.00	
Jars	5.00			4496.00	
Safety Joint	2.00			4498.00	
Packer	5.00			4503.00	28.00 Bottom Of Top Packer
Packer	5.00			4508.00	
Stubb	1.00			4509.00	
Recorder	0.00	8789	Inside	4509.00	
Recorder	0.00	8289	Outside	4509.00	
Perforations	23.00			4532.00	
Bullnose	3.00			4535.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

King Oil Operations

19 12s 31w Gove,KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64775

DST#: 1

ATTN: Charlie Sturdavant

Test Start: 2016.05.22 @ 00:12:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Oil Speck Mud 1%o 99%m	0.147

Total Length: 20.00 ft Total Volume: 0.147 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **King Oil Operations**

1746 150th Ave
Ellis KS 67637

ATTN: Charlie Sturdavant

Singer #1-19

19 12s 31w Gove,KS

Start Date: 2016.05.22 @ 16:23:00

End Date: 2016.05.23 @ 00:01:00

Job Ticket #: 64648 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.05.25 @ 14:31:07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

King Oil Operations

19 12s 31w Gove, KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64648

DST#: 2

ATTN: Charlie Sturdavant

Test Start: 2016.05.22 @ 16:23:00

GENERAL INFORMATION:

Formation: **Basa Penn Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:18:00

Time Test Ended: 00:01:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4528.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Reference Elevations: 2939.00 ft (KB)

Total Depth: 4535.00 ft (KB) (TVD)

2931.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8522

Outside

Press@RunDepth: 1047.26 psig @ 4529.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.05.22

End Date: 2016.05.23

Last Calib.: 2016.05.23

Start Time: 16:23:05

End Time: 00:00:59

Time On Btm: 2016.05.22 @ 19:16:45

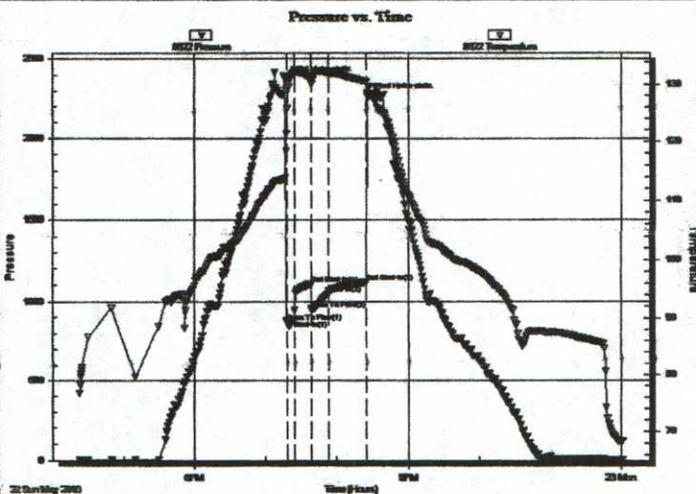
Time Off Btm: 2016.05.22 @ 20:26:00

TEST COMMENT: IF: BOB in 30 sec.

IS: No return.

FF: BOB in 30 sec.

FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2372.66	113.79	Initial Hydro-static
2	870.94	121.35	Open To Flow (1)
8	886.50	132.07	Shut-In(1)
22	1106.02	131.07	End Shut-In(1)
23	950.68	130.13	Open To Flow (2)
37	1047.26	132.10	Shut-In(2)
69	1119.08	130.52	End Shut-In(2)
70	2265.47	127.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2000.00	smcw 1m 99w	25.97
200.00	mcw 40m 60w	2.81
0.00	oil spots in tool	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

King Oil Operations

19 12s 31w Gove,KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64648

DST#: 2

ATTN: Charlie Sturdavant

Test Start: 2016.05.22 @ 16:23:00

Tool Information

Drill Pipe:	Length: 4204.00 ft	Diameter: 3.80 inches	Volume: 58.97 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 312.00 ft	Diameter: 2.75 inches	Volume: 2.29 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 61.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4528.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4502.00	
Shut In Tool	5.00			4507.00	
Hydraulic tool	5.00			4512.00	
Jars	5.00			4517.00	
Safety Joint	2.00			4519.00	
Packer	5.00			4524.00	27.00 Bottom Of Top Packer
Packer	4.00			4528.00	
Stubb	1.00			4529.00	
Recorder	0.00	8365	Inside	4529.00	
Recorder	0.00	8522	Outside	4529.00	
Perforations	15.00			4544.00	
Change Over Sub	1.00			4545.00	
Drill Pipe	31.00			4576.00	
Change Over Sub	1.00			4577.00	
Bullnose	3.00			4580.00	52.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

King Oil Operations

19 12s 31w Gove,KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64648

DST#: 2

ATTN: Charlie Sturdavant

Test Start: 2016.05.22 @ 16:23:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2000.00	smcw 1m 99w	25.970
200.00	mcw 40m 60w	2.805
0.00	oil spots in tool	0.000

Total Length: 2200.00 ft Total Volume: 28.775 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

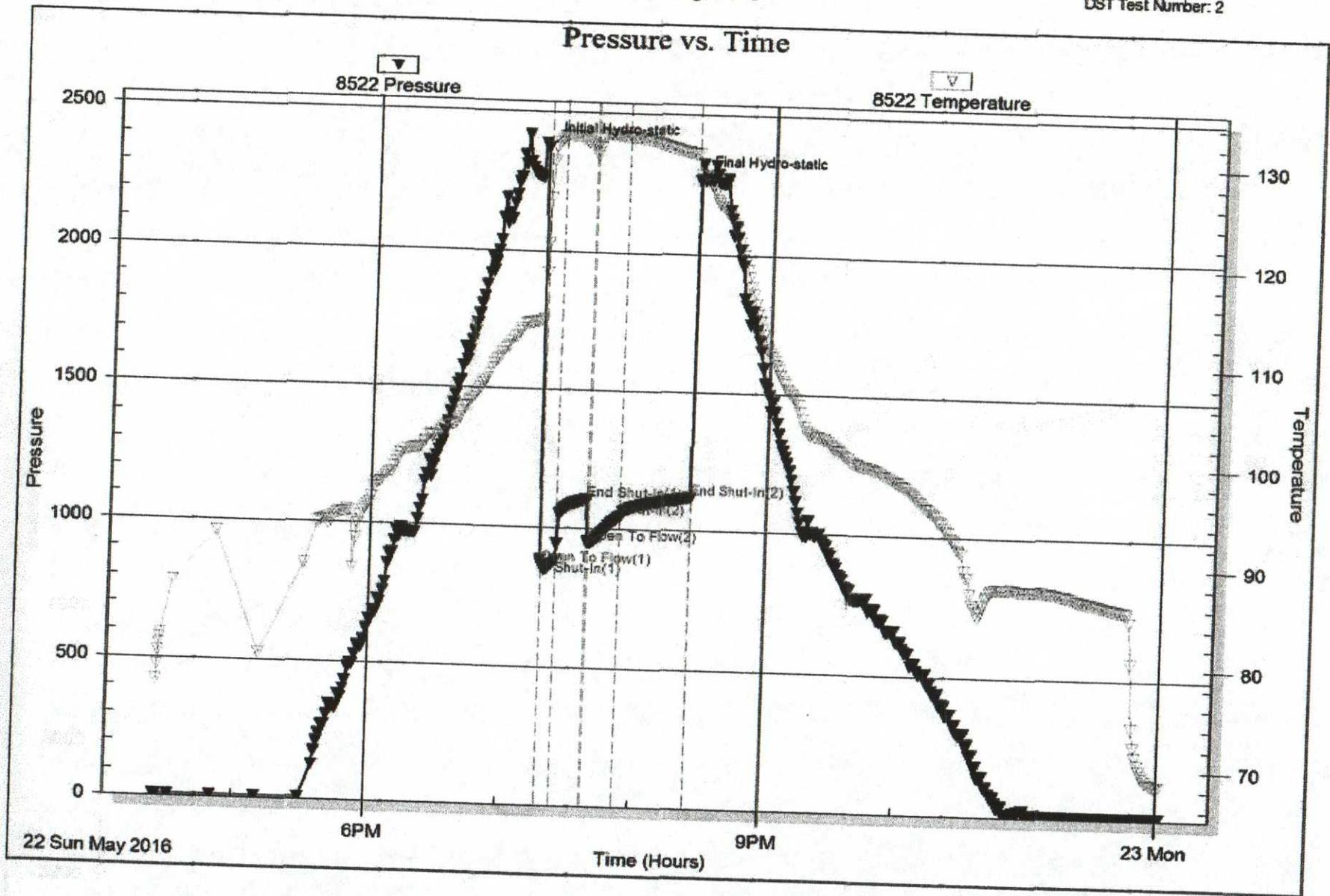
Recovery Comments: rw is .180 @ 68F= 42,000ppm

Serial #: 8522

Outside King Oil Operations

Singer #1-19

DST Test Number: 2

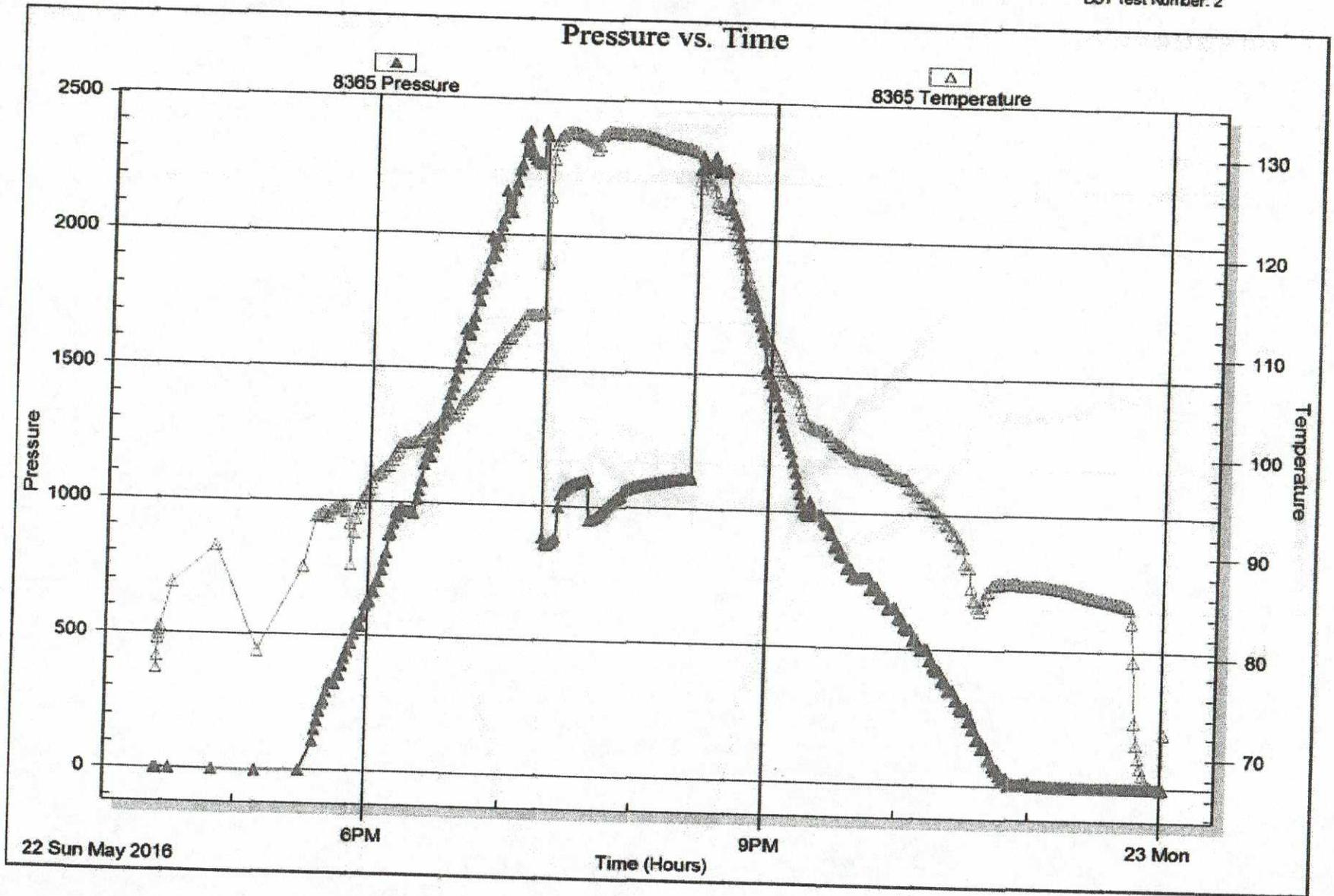


Serial #: 8365

Inside King Oil Operations

Singer #1-19

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **King Oil Operations**

1746 150th Ave
Ellis KS 67637

ATTN: Charlie Sturdavant

Singer #1-19

19 12s 31w Gove,KS

Start Date: 2016.05.23 @ 16:10:00

End Date: 2016.05.23 @ 21:47:00

Job Ticket #: 64649 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.05.25 @ 14:30:27

King Oil Operations
19 12s 31w Gove,KS
Singer #1-19
DST # 3
LKC "A - E"
2016.05.23



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

King Oil Operations

19 12s 31w Gove, KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64649

DST#: 3

ATTN: Charlie Sturdavant

Test Start: 2016.05.23 @ 16:10:00

GENERAL INFORMATION:

Formation: **LKC "A - E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:37:30

Time Test Ended: 21:47:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **3984.00 ft (KB) To 4066.00 ft (KB) (TVD)**

Total Depth: 4663.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2939.00 ft (KB)

2931.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8365

Outside

Press@RunDepth: psig @ 3985.00 ft (KB)

Start Date: 2016.05.23

End Date:

2016.05.23

Capacity: 8000.00 psig

Last Calib.:

2016.05.24

Start Time: 16:10:05

End Time:

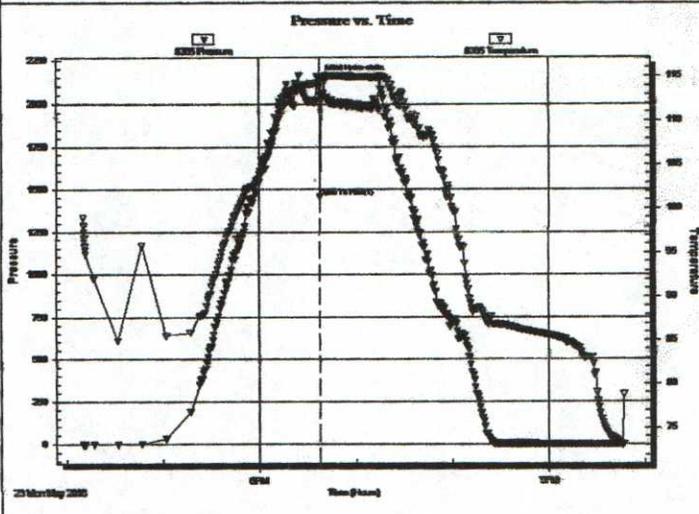
21:46:59

Time On Btm:

2016.05.23 @ 18:37:15

Time Off Btm:

TEST COMMENT: Misrun packers did not seat



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.19	114.27	Initial Hydro-static
1	1453.53	113.73	Open To Flow (1)

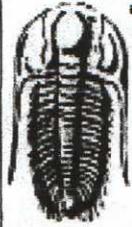
Recovery

Length (ft)	Description	Volume (bbl)
20.00	misrun - packer failure	0.15

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

King Oil Operations

19 12s 31w Gove,KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64649

DST#: 3

ATTN: Charlie Sturdavant

Test Start: 2016.05.23 @ 16:10:00

Tool Information

Drill Pipe:	Length: 3663.00 ft	Diameter: 3.80 inches	Volume: 51.38 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 312.00 ft	Diameter: 2.75 inches	Volume: 2.29 bbl	Weight set on Packer: 35000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3984.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	679.00 ft			
Tool Length:	706.00 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			3958.00	
Shut In Tool	5.00			3963.00	
Hydraulic tool	5.00			3968.00	
Jars	5.00			3973.00	
Safety Joint	2.00			3975.00	
Packer	5.00			3980.00	27.00 Bottom Of Top Packer
Packer	4.00			3984.00	
Stubb	1.00			3985.00	
Recorder	0.00	8677	Inside	3985.00	
Recorder	0.00	8365	Outside	3985.00	
Perforations	7.00			3992.00	
Change Over Sub	1.00			3993.00	
Drill Pipe	63.00			4056.00	
Change Over Sub	1.00			4057.00	
Perforations	5.00			4062.00	
Blank Off Sub	1.00			4063.00	679.00 Tool Interval
Packer	3.00			4066.00	
Blank Spacing	1.00			4067.00	
Perforations	18.00			4085.00	
Change Over Sub	1.00			4086.00	
Recorder	0.00	8522	Below	4086.00	
Drill Pipe	573.00			4659.00	
Change Over Sub	1.00			4660.00	
Bullnose	3.00			4663.00	1000705.00 Bottom Packers & Anchor
Total Tool Length:	706.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

King Oil Operations

19 12s 31w Gove,KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64649

DST#: 3

ATTN: Charlie Sturdavant

Test Start: 2016.05.23 @ 16:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig.

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	misrun - packer failure	0.147

Total Length: 20.00 ft Total Volume: 0.147 bbl

Num Fluid Samples: 0

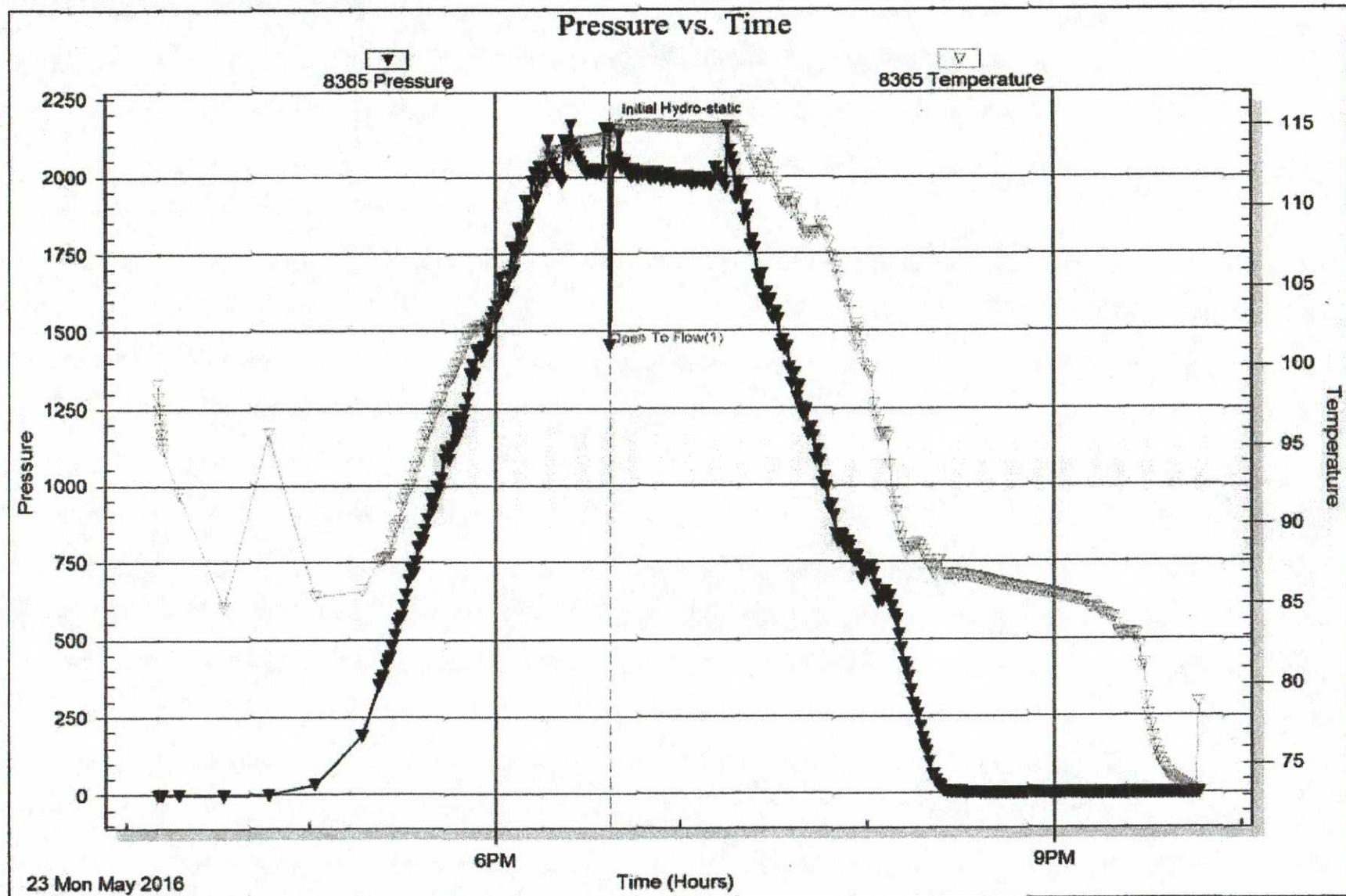
Num Gas Bombs: 0

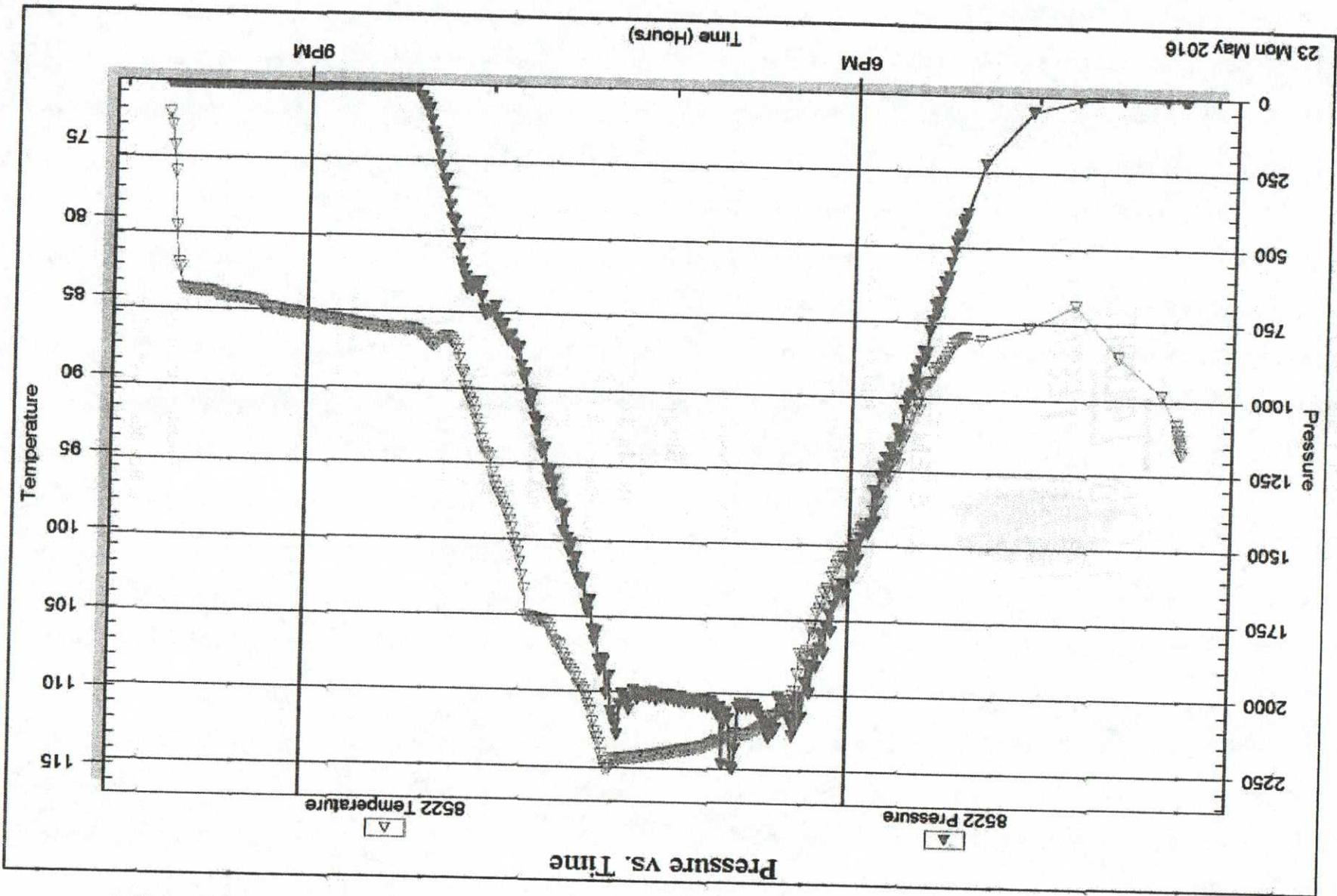
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: packers did not seat





Serial #: 8522

Below (Stranded) Operations

Singer #1-19

DST Test Number: 3

Pressure vs. Time

8522 Pressure

8522 Temperature



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **King Oil Operations**

1746 150th Ave
Ellis KS 67637

ATTN: Charlie Sturdavant

Singer #1-19

19 12s 31w Gove,KS

Start Date: 2016.05.23 @ 22:20:00

End Date: 2016.05.24 @ 06:39:00

Job Ticket #: 64650 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.05.25 @ 14:30:05



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

King Oil Operations

19 12s 31w Gove,KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64650

DST#: 4

ATTN: Charlie Sturdavant

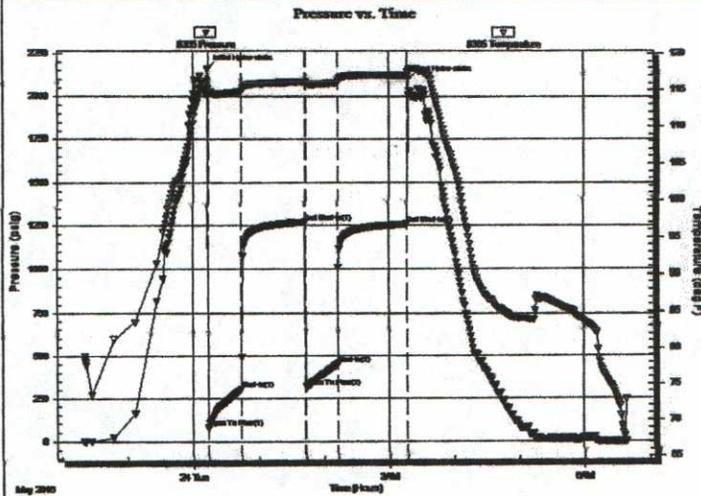
Test Start: 2016.05.23 @ 22:20:00

GENERAL INFORMATION:

Formation: **LKC "A - E"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:14:15
 Time Test Ended: 06:39:00
 Interval: **3990.00 ft (KB) To 4066.00 ft (KB) (TVD)**
 Total Depth: 4663.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 76
 Reference Elevations: 2939.00 ft (KB)
 2931.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8365 Outside
 Press@RunDepth: 452.08 psig @ 3991.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.05.23 End Date: 2016.05.24 Last Calib.: 2016.05.24
 Start Time: 22:20:05 End Time: 06:38:59 Time On Btm: 2016.05.24 @ 00:14:00
 Time Off Btm: 2016.05.24 @ 03:17:30

TEST COMMENT: IF: BOB in 6 min.
 IS: Weak Surface blow, died in 14 min.
 FF: BOB in 7 min.
 FS: Surface blow, died in 22 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2163.17	115.20	Initial Hydro-static
1	78.12	114.44	Open To Flow (1)
31	301.92	114.77	Shut-in(1)
90	1271.47	116.11	End Shut-in(1)
91	317.60	115.80	Open To Flow (2)
120	452.08	115.98	Shut-in(2)
183	1260.17	116.93	End Shut-in(2)
184	2097.08	117.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	mcw 10m 90w (trace oil)	1.40
252.00	somcw 2o 15m 80w	2.72
126.00	gomcw 20g 20o 30m 30w	1.77
189.00	gomcw 20g 25o 25m 30w	2.65
142.00	gmw co 10g 25m 25w 40o	1.99

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

King Oil Operations

19 12s 31w Gove,KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64650

DST#: 4

ATTN: Charlie Sturdavant

Test Start: 2016.05.23 @ 22:20:00

Tool Information

Drill Pipe:	Length: 3663.00 ft	Diameter: 3.80 inches	Volume: 51.38 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 312.00 ft	Diameter: 2.75 inches	Volume: 2.29 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 73000.00 lb
			<u>Total Volume: 53.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3990.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	673.00 ft			
Tool Length:	700.00 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			3964.00	
Shut In Tool	5.00			3969.00	
Hydraulic tool	5.00			3974.00	
Jars	5.00			3979.00	
Safety Joint	2.00			3981.00	
Packer	5.00			3986.00	27.00 Bottom Of Top Packer
Packer	4.00			3990.00	
Stubb	1.00			3991.00	
Recorder	0.00	8522	Inside	3991.00	
Recorder	0.00	8365	Outside	3991.00	
Perforations	1.00			3992.00	
Change Over Sub	1.00			3993.00	
Drill Pipe	63.00			4056.00	
Change Over Sub	1.00			4057.00	
Perforations	5.00			4062.00	
Blank Off Sub	1.00			4063.00	673.00 Tool Interval
Packer	3.00			4066.00	
Blank Spacing	1.00			4067.00	
Perforations	18.00			4085.00	
Change Over Sub	1.00			4086.00	
Recorder	0.00	8677	Below	4086.00	
Drill Pipe	573.00			4659.00	
Change Over Sub	1.00			4660.00	
Bullnose	3.00			4663.00	1000699.00 Bottom Packers & Anchor
Total Tool Length:	700.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

King Oil Operations

19 12s 31w Gove,KS

1746 150th Ave
Ellis KS 67637

Singer #1-19

Job Ticket: 64650

DST#: 4

ATTN: Charlie Sturdavant

Test Start: 2016.05.23 @ 22:20:00

Mud and Cushion Information

Mud Type: Invert

Mud Weight: 10.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

0 deg API

34000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	mcw 10m 90w (trace oil)	1.396
252.00	somcw 2o 15m 80w	2.720
126.00	gomcw 20g 20o 30m 30w	1.767
189.00	gomcw 20g 25o 25m 30w	2.651
142.00	gmw co 10g 25m 25w 40o	1.992

Total Length: 899.00 ft Total Volume: 10.526 bbl

Num Fluid Samples: 0

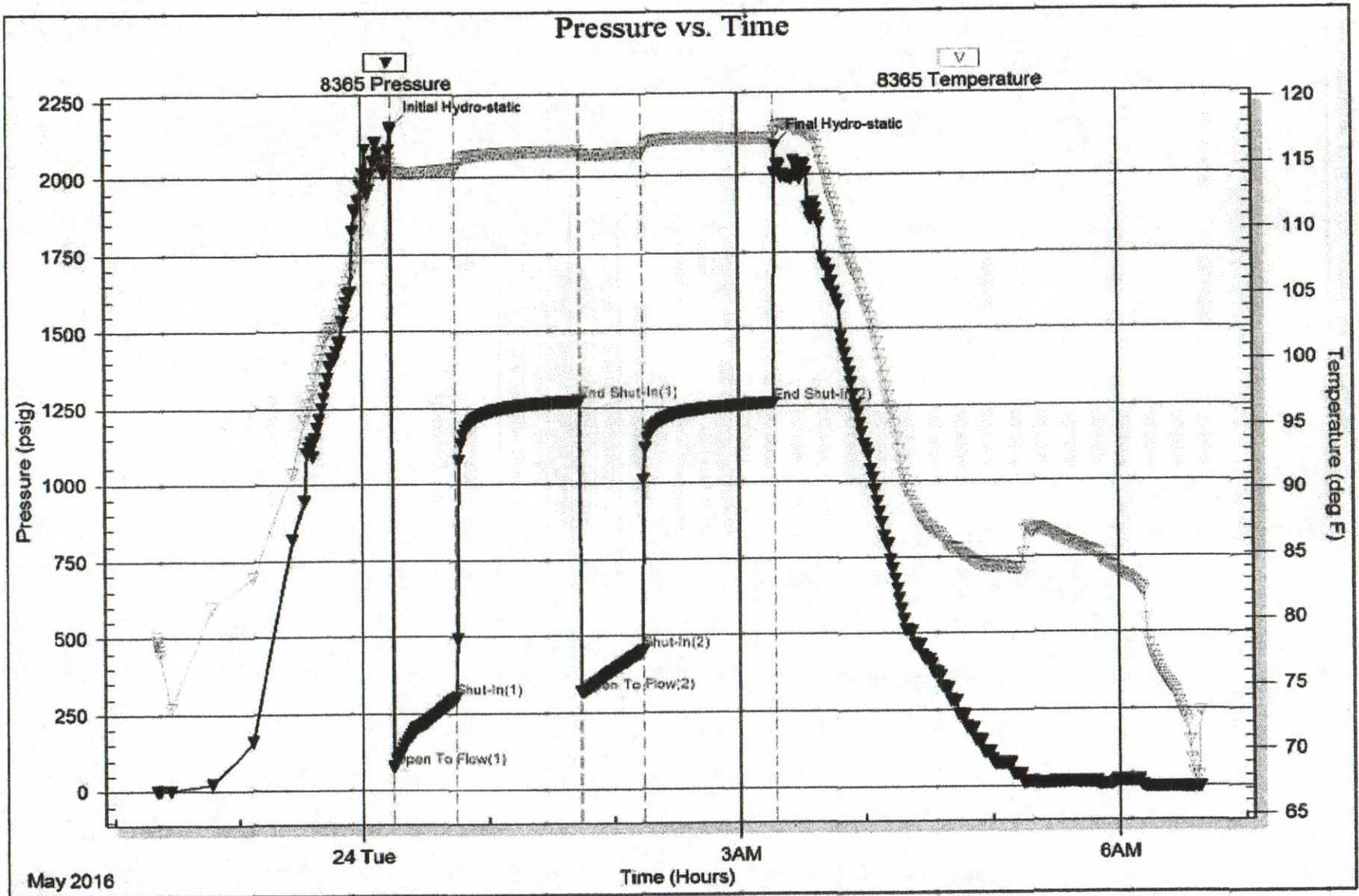
Num Gas Bombs: 0

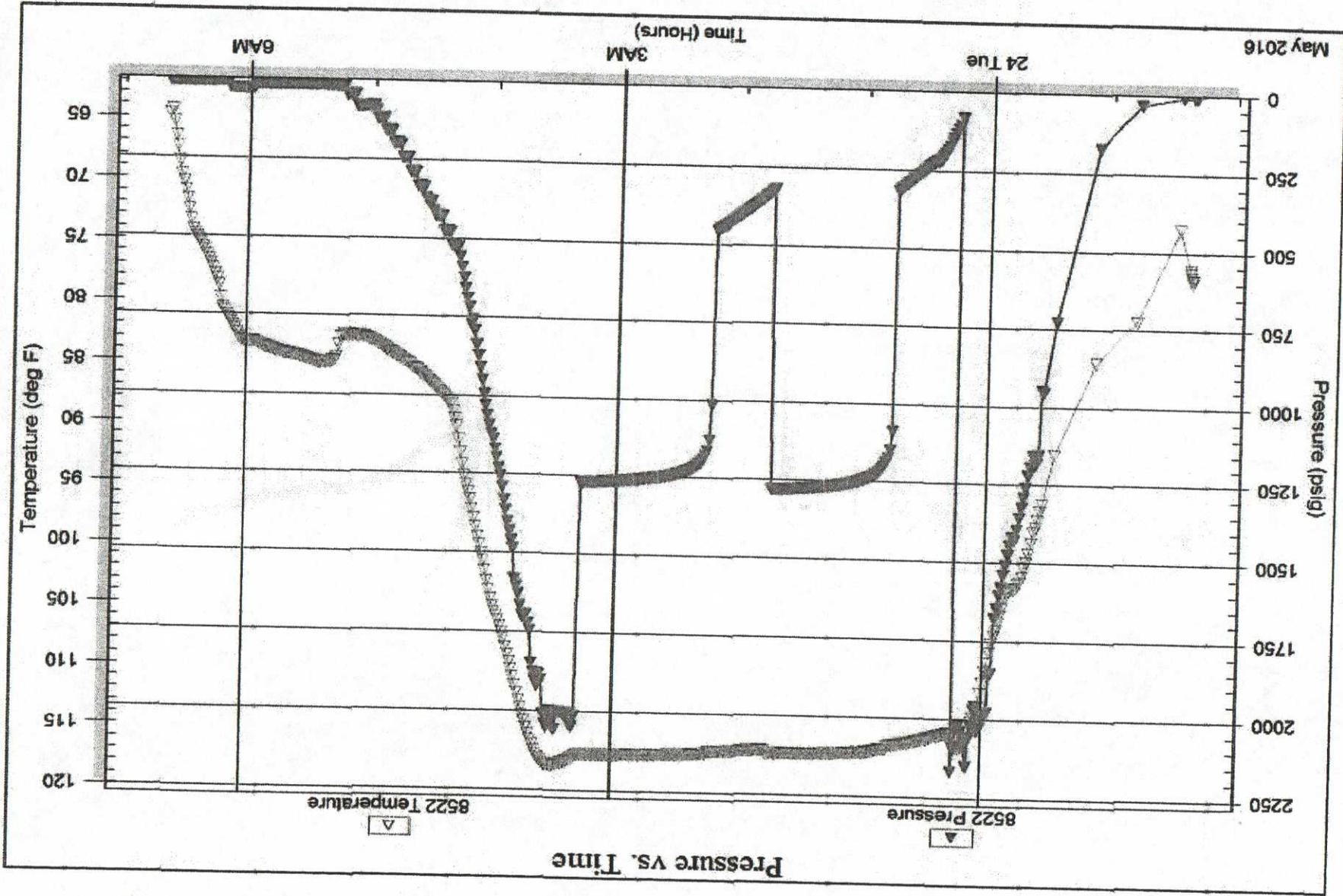
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .250 @ 63f = 34,000ppm





Pressure vs. Time

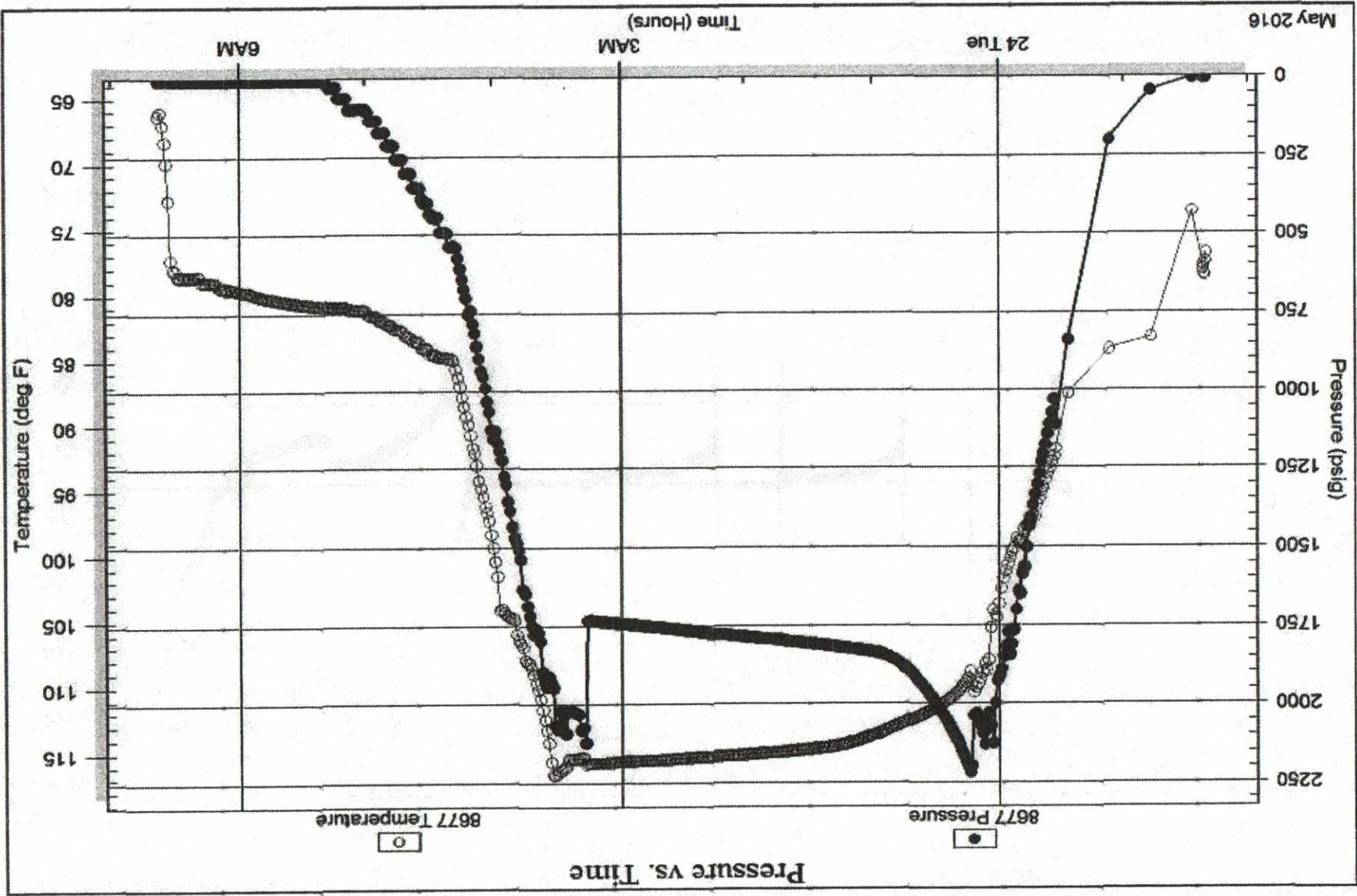
DST Test Number: 4

Singer #1-19

King Oil Operations

Inside

Serial #: 8522





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64775

Well Name & No. Singer 1-19 Test No. 1 Date 5-21-16
 Company King Oil Operations Elevation 2939 KB 2931 GL
 Address 1796 150th Ave Ellis KS 67637
 Co. Rep / Geo. Charlie Sturdavany Rig Discovery #1
 Location: Sec. 19 Twp. 1205 Rge. 31W Co. Love State KS

Interval Tested 4508-4535 Zone Tested Johnson
 Anchor Length 27 Drill Pipe Run 4171 Mud Wt. 9.6
 Top Packer Depth 4503 Drill Collars Run 0 Vis 44
 Bottom Packer Depth 4508 Wt. Pipe Run 312 WL 9.6
 Total Depth 4535 Chlorides 3000 ppm System LCM 1

Blow Description FFP - 1/4 in Blow
ISIP - No Blow
FFP - Weak Surface Blow in 3 min.
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Oil Speck Mud</u>	<u>1</u>		<u>99</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 117 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2329</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>23:09</u>
(B) First Initial Flow <u>30</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>00:12</u>
(C) First Final Flow <u>32</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>02:54</u>
(D) Initial Shut-In <u>751</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>05:09</u>
(E) Second Initial Flow <u>34</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>07:06</u>
(F) Second Final Flow <u>34</u>	<input checked="" type="checkbox"/> Mileage <u>RT 220</u>	Comments _____
(G) Final Shut-In <u>816</u>	<input type="checkbox"/> Sampler 88rt 66	_____
(H) Final Hydrostatic <u>2262</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1541</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1541</u>	

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

NO. 64648

Well Name & No. Singer #1-19 Test No. 2 Date 5/22/2016
 Company King Oil Operations Elevation 2939 KB 2931 GL
 Address 1742 150th Ave Ellis, KS 67637
 Co. Rep / Geo. Charlie Stoder Stordavant Rig Discovery #1
 Location: Sec. 19 Twp. 17s Rge. 31w Co. Loganville State KS

Interval Tested 4528 - 4580 Zone Tested Base Perm Sand
 Anchor Length 52' Drill Pipe Run 4204 Mud Wt. 9.5
 Top Packer Depth 4523 Drill Collars Run 0 Vis 44
 Bottom Packer Depth 4528 Wt. Pipe Run 312 WL 8.0
 Total Depth 4580 Chlorides 2000 ppm System LCM 1.5"

Blow Description FF: BOB @ 30 sec
ISL: No return
FF: BOB @ 30 sec
ISL: No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>200</u>	<u>mcw</u>		<u>60</u>	<u>40</u>	
<u>2000</u>	<u>5 mcw</u>		<u>99</u>	<u>1</u>	
	<u>OIL Spools in tool</u>				

Rec Total 2200 BHT 131 Gravity — API RW 150 @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2373 Test 1150 T-On Location 1400
 (B) First Initial Flow 871 Jars 250 T-Started 1623
 (C) First Final Flow 887 Safety Joint 75 T-Open 1918
 (D) Initial Shut-In 1106 Circ Sub 4/c T-Pulled 2023
 (E) Second Initial Flow 951 Hourly Standby — T-Out 0001
 (F) Second Final Flow 1047 Mileage 88 rt 66 Comments —
 (G) Final Shut-In 1119 Sampler —
 (H) Final Hydrostatic 2265 Straddle —
 Shale Packer —
 Extra Packer —
 Extra Recorder —
 Day Standby —
 Accessibility —
 Sub Total 1541

Initial Open 5
 Initial Shut-In 15
 Final Flow 15
 Final Shut-In 30

Sub Total 1541 MP/DST Disc't —

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.



4/10

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64649

Well Name & No. Singer 1-19 Test No. 3 Date 5/23/2016
 Company King Oil Operations Elevation 2939 KB 2931 GL
 Address 1746 150th Ave Ellis, Ks 67637
 Co. Rep / Geo. Charles Sturdavant Rig Discovery 1
 Location: Sec. 19 Twp. 12 S Rge. 31 W Co. Cove State Ks

Interval Tested 3984 4066 Zone Tested LKC A-TE
 Anchor Length 82 Drill Pipe Run 3663 Mud Wt. 9.5
 Top Packer Depth 3984 - 3979 Drill Collars Run 0 Vis 44
 Bottom Packer Depth 4066 Wt. Pipe Run 312 WL 8.0
 Total Depth 4663 Chlorides 3000 ppm System LCM 7th
 Blow Description _____

MIS RUN

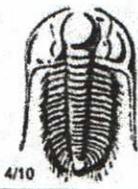
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2146 Test 950 T-On Location 1520
 (B) First Initial Flow _____ Jars 250 T-Started 1610
 (C) First Final Flow _____ Safety Joint 75 T-Open 1837
 (D) Initial Shut-In MIS RUN Circ Sub NC T-Pulled 1845
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 2147
 (F) Second Final Flow _____ Mileage 66 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle 600 Ruined Shale Packer _____
 _____ Shale Packer 250 Ruined Packer _____
 _____ Extra Packer _____ Extra Copies _____
 _____ Extra Recorder _____ Sub Total 0
 _____ Day Standby _____ Total 2191
 _____ Accessibility _____ MP/DST Disc't _____
 Sub Total 2191

Initial Open _____
 Initial Shut-In MIS RUN
 Final Flow _____
 Final Shut-In _____

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64650

Well Name & No. Singer 1-19 Test No. 4 Date 5/24/2006
 Company King Oil Operations Elevation 2934 KB 2931 GL
 Address 1746 150th Ave Ellis, KS 67637
 Co. Rep / Geo. Charlie Studevant Rig Discovery 1
 Location: Sec. 19 Twp. 12S Rge. 31W Co. Gove State KS

Interval Tested 3990 - 4066 Zone Tested LKC A-E
 Anchor Length 76 Drill Pipe Run 3663 Mud Wt. 9.5
 Top Packer Depth 3990 & 3994 Drill Collars Run 0 Vis 44
 Strat Bottom Packer Depth 4066 Wt. Pipe Run 315 WL 8.0
 Total Depth 4663 Chlorides 3000 ppm System LCM 1#

Blow Description IF BOB @ 6 min
TGI Wat Surface blow, died @ 14 min.
FF BOB @ 7 min
FST Surface blow, died @ 22 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>112</u>	<u>GMWCW</u>	<u>10</u>	<u>40</u>	<u>25</u>	<u>25</u>
<u>189</u>	<u>GOMCW</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>25</u>
<u>126</u>	<u>GOMCW</u>	<u>20</u>	<u>20</u>	<u>30</u>	<u>30</u>
<u>252 + 169</u>	<u>SOMCW</u>	<u>%gas</u>	<u>2</u>	<u>80</u>	<u>15</u>
<u>190 + 142</u>	<u>MCW 1</u>	<u>%gas</u>	<u>%oil</u>	<u>90</u>	<u>10</u>

Rec Total 899 BHT 117 Gravity — API RW 250 @ 63 °F Chlorides 34,000 ppm

(A) Initial Hydrostatic	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>2200</u>
(B) First Initial Flow	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2230</u>
(C) First Final Flow	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0007</u>
(D) Initial Shut-In	<input checked="" type="checkbox"/> Circ Sub <u>N/I</u>	T-Pulled <u>0307</u>
(E) Second Initial Flow	<input type="checkbox"/> Hourly Standby	T-Out <u>0639</u>
(F) Second Final Flow	<input checked="" type="checkbox"/> Mileage <u>N/C</u>	Comments
(G) Final Shut-In	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>X3 750</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>40</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>2825</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2825</u>	

Approved By _____ Our Representative [Signature]

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P.O. Box 205803
Dallas, TX 75320-5803

Voice: (832) 482-3742
Fax: (832) 482-3738

INVOICE

Invoice Number: 152198
Invoice Date: May 24, 2016
Page: 1

Federal Tax I.D.#: 81-2169190

Bill To:
Rodney L. King dba King Oil Operations 1746 - 150th Ave Ellis, KS 67637

Customer ID	Field Ticket #	Payment Terms	
KingR	67576	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	May 24, 2016	6/23/16

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Singer 1-19		
195.00	CEMENT MATERIALS	Classs A Common	17.90	3,490.50
366.00	CEMENT MATERIALS	GEL	0.50	183.00
1,014.00	CEMENT MATERIALS	Salt	0.68	689.52
975.00	CEMENT MATERIALS	Gilsonste	0.99	965.25
12.00	CEMENT MATERIALS	Mud Cleanse	41.09	493.08
1.00	EQUIPMENT SALES	Port Collar	3,590.00	3,590.00
1.00	EQUIPMENT SALES	AFU Shoe	545.00	545.00
2.00	EQUIPMENT SALES	Basket	395.00	790.00
8.00	EQUIPMENT SALES	Centralizer	57.00	456.00
1.00	EQUIPMENT SALES	Latch Down Assembly	660.00	660.00
235.00	CEMENT SERVICE	Cubic Feet Charge	2.48	582.80
155.15	CEMENT SERVICE	Ton Mileage Charge	2.75	426.67
1.00	CEMENT SERVICE	Pump, Casing Cement 0-500 FT	2,765.75	2,765.75
15.00	CEMENT SERVICE	Light Vehide Mileage	4.40	66.00
15.00	CEMENT SERVICE	Heavy Vehide Mileage	7.70	115.50
1.00	JOB DISCOUNT	Job Discount if paid within terms - Material	3,201.74	-3,201.74
1.00	JOB DISCOUNT	Job Discount if paid within terms - Cement Service	2,176.19	-2,176.19
1.00	JOB DISCOUNT	Job Discount if paid within terms - Equipment	3,322.56	-3,322.56
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	OPERATOR ASSISTANT	Kevin Ryan		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. ONLY IF PAID ON OR
BEFORE

Jun 23, 2016

1 1/2% CHARGED
THEREAFTER.

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued



P.O. Box 205803
 Dallas, TX 75320-5803

Voice: (832) 482-3742
 Fax: (832) 482-3738

INVOICE

Invoice Number: 152198
 Invoice Date: May 24, 2016
 Page: 2

Federal Tax I.D.#: 81-2169190

Bill To:

Rodney L. King
 dba King Oil Operations
 1746 - 150th Ave
 Ellis, KS 67637

Customer ID	Field Ticket #	Payment Terms	
KingR	67576	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	May 24, 2016	6/23/16

Quantity	Item	Description	Unit Price	Amount
1.00	EQUIPMENT OPERATOR	Cory Brown		

ALL PRICES ARE NET, PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE. ONLY IF PAID ON OR
 BEFORE

Jun 23, 2016

1 1/2% CHARGED
 THEREAFTER.

Subtotal	7,118.58
Sales Tax	
Total Invoice Amount	7,118.58
Payment/Credit Applied	
TOTAL	7,118.58

ALLIED OIL & GAS SERVICES, LLC

P.O. BOX 205803
Dallas, TX 75320-5803

067576

SERVICE POINT: *Washburn*

DATE <i>5/24/16</i>	SEC. <i>19</i>	TWP. <i>12</i>	RANGE <i>31</i>	CALLED OUT	ON LOCATION	JOB START <i>7:30 AM</i>	JOB FINISH <i>8:30 PM</i>
LEASE <i>Singer</i>	WELL # <i>1-19</i>	LOCATION <i>Washburn 7 S 2 E 1 S 1 E</i>		COUNTY <i>Collin</i>	STATE <i>TX</i>		
OLD OR NEW (Circle one) <i>NEW</i>				<i>Singer</i>			

CONTRACTOR *Discovery 1* OWNER *Same*

TYPE OF JOB *Prod.*

HOLE SIZE *7 7/8" T.D.* CEMENT

CASING SIZE *5 1/2" DEPTH 4661.71* AMOUNT ORDERED *195 SKL Com 270 Gel*

TUBING SIZE *4 1/2" DEPTH* *5th Gilberte 1070 Salt*

DRILL PIPE *4 1/2" DEPTH*

TOOL *Part Collar DEPTH 2406.73*

PRES. MAX *17 04* COMMON *195 SKL @ 17 24 3490 50*

MEAS. LINE *17 04* POZMIX *@*

CEMENT LEFT IN CSG. *17 04* GEL *366 lb @ 50 183 00*

PERFS. CHLORIDE *@*

DISPLACEMENT *108 BBL H₂O @* ASC *@*

EQUIPMENT

PUMP TRUCK	CEMENTER <i>Alan Bryan</i>
# <i>566 281</i>	HELPER <i>Alan Bryan</i>
BULK TRUCK	
# <i>410</i>	DRIVER <i>Cory Brown</i>
BULK TRUCK	
#	DRIVER

<i>10 1/4 lb Salt</i>	@ <i>68</i>	<i>689 50</i>
<i>925 lb Gilberte</i>	@ <i>299</i>	<i>265 25</i>
<i>WPH II - Mud Clean 1280</i>	@ <i>41 09</i>	<i>495 08</i>
	@	
	@	

TOTAL *5,821.35*

DISCOUNT *55% 3,201.74*

REMARKS:

*Quality Circularity, 15% WPH, 15% SKL, 11% 30SKL, 11%
150 SKL, 15% 5 1/2" WPH, 15% 5 1/2" WPH
15% 5 1/2" WPH, 15% 5 1/2" WPH
W/ 800 PSLIFT Land Play
@ 2300 PSL
Franklin
Hampson Cory*

SERVICE

HANDLING <i>235 CF</i>	@ <i>2 48</i>	<i>582 00</i>
MILEAGE <i>2nd Trip 10.344 hrs</i>		<i>426 00</i>
DEPTH OF JOB		
PUMP TRUCK CHARGE		<i>2265 75</i>
EXTRA FOOTAGE	@	
HV MILEAGE <i>15 miles</i>	@ <i>7 20</i>	<i>115 00</i>
LV MILEAGE <i>15 miles</i>	@ <i>4 20</i>	<i>66 00</i>
	@	
	@	

TOTAL *3,956.72*

DISCOUNT *55% 2,176.19*

CHARGE TO: *King Oil*
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<i>Part collar</i>	@ <i>3590 00</i>
<i>APN shoe</i>	@ <i>2545 00</i>
<i>haskets</i>	@ <i>295 790 00</i>
<i>Centralizers</i>	@ <i>57 456 00</i>
<i>Lat checkup Assembly</i>	@ <i>660 00</i>
TOTAL	<i>6,041.00</i>

DISCOUNT *55% 3,322.55*

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES *15,819.07*

DISCOUNT *8,700.48 (55%)* IF PAID IN 30 DAYS

NET TOTAL *7,118.58* IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE *Jeff Marshall*

Bid



INVOICE

P.O. Box 205803
Dallas, TX 75320-5803

Invoice Number: 152149
Invoice Date: May 16, 2016
Page: 1

Voice: (832) 482-3742
Fax: (832) 482-3738

Federal Tax ID.#: 81-2169190

Bill To:

Rodney L. King
dba King Oil Operations
1746 - 150th Ave
Ellis, KS 67637

Customer ID	Field Ticket #	Payment Terms	
KingR	67574	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	May 16, 2016	6/15/16

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Singer 1-19		
150.00	CEMENT MATERIALS	Class A Common	17.90	2,685.00
423.00	CEMENT MATERIALS	Calcium Chloride Flakes or Pellets	1.10	465.30
159.00	CEMENT SERVICE	Cubic Feet Charge	2.48	394.32
109.00	CEMENT SERVICE	Ton Mileage Charge	2.75	299.75
1.00	CEMENT SERVICE	Pump, Casing Cement 0-500 FT	1,512.25	1,512.25
15.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	66.00
15.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	115.50
1.00	JOB DISCOUNT	Job Discount if paid within terms – Material	1,575.15	-1,575.15
1.00	JOB DISCOUNT	Job Discount if paid within terms – Cement Service	1,193.91	-1,193.91
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	OPERATOR ASSISTANT	Kevin Ryan		
1.00	EQUIPMENT OPERATOR	Cory Brown		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. ONLY IF PAID ON OR
BEFORE

Jun 15, 2016

1 1/2% CHARGED
THEREAFTER.

Subtotal	2,769.06
Sales Tax	
Total Invoice Amount	2,769.06
Payment/Credit Applied	
TOTAL	2,769.06

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Call 785-324-1041

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

No. 1989

Date	7-22-16	Sec.	Twp.	Range	County	State	On Location	Finish
					Case	KS		3:30pm

Location Oakley 8s Wagoner 35 1/2s

Lease	<u>Singer</u>	Well No.	<u>1-19</u>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	<u>Western well</u>			Charge To	<u>King Oil</u>
Type Job	<u>Squeeze / Port Collar</u>	T.D.		Street	
Hole Size	<u>7 7/8</u>	Depth		City	State
Csg.	<u>5 1/2</u>	Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size	<u>2 3/8</u>	Depth		Cement Amount Ordered	<u>500⁸⁰ / 20 QmDC 1/4 # F10</u>
Tool		Shoe Joint		USED	<u>345SK</u>
Cement Left in Csg.				Common	<u>345⁸⁰ / 20</u>
Meas Line		Displace		Poz. Mix	

EQUIPMENT

Pumptrk	No. <u>20</u>	Cementor Helper	<u>Craig</u>	
Bulktrk	No.	Driver		
Bulktrk	No. <u>19</u>	Driver	<u>Dave</u>	

JOB SERVICES & REMARKS

Remarks:	
Rat Hole	Flowseal <u>125</u>
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand
<u>Peds. 4016-20</u>	Handling
<u>Spot 255K @ 4024</u>	Mileage

FLOAT EQUIPMENT

<u>Wash Clean 3897 + Squeezed to 1000#</u>	Guide Shoe
<u>Port Collar 2450 - Test to 800#</u>	Centralizer
<u>Open Tool & Pump 80B2 mud & Est. Circulation</u>	Baskets
<u>Mix 320SK Cement Circulation?</u>	AFU Inserts
<u>Close Tool test to 800#</u>	Float Shoe
<u>Run 5 joints & wash clean.</u>	Latch Down
	<u>1 opening tool</u>
	Pumptrk Charge <u>Squeeze & port collar</u>
	Mileage <u>13</u>

X Signature

Tax
Discount
Total Charge

ALLIED OIL & GAS SERVICES, LLC

067574

REMIT TO: P.O. Box 205803
Dallas, Texas 75320-5803

SERVICE POINT: Dukley, TX

DATE <u>5/14/16</u>	SEC. <u>19</u>	TWP. <u>12</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION	JOB START COUNT <u>12:30</u>	JOB FINISH STATE <u>TX</u>
LEASE <u>Singer</u>	WELL # <u>1-19</u>	LOCATION <u>Dukley 570 Wagon E70 12</u>		COUNT <u>4000</u>		STATE <u>TX</u>	
OLD OR NEW (Circle one)			<u>570 Road End S-W Turn Farmyard</u>				

CONTRACTOR Discovery
 TYPE OF JOB Sealant
 HOLE SIZE 12 1/4 T.D. 221.18
 CASING SIZE 8 7/8 DEPTH 221.18
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT

OWNER Emme
 CEMENT AMOUNT ORDERED 150 Cum 370 CC
 COMMON 150 @ 17.90 2685.00
 POZMIX @
 GEL @
 CHLORIDE 423 @ 1.10 465.30
 ASC @
 @
 @
 @
 @
 @
 @
 @
 @
 @

EQUIPMENT
 PUMP TRUCK CEMENTER Alan Ryan
 # 566281 HELPER Kevin Ryan
 BULK TRUCK
 # 410 DRIVER Cory Brown
 BULK TRUCK
 # DRIVER

TOTAL 3,150.30

DISCOUNT 50% 1,575.15

REMARKS:
Ann Coy Circulate, Mix Cement, Replace Cement, Shorten
Cement Rod Circulate
Thank You Alan, Kevin, Cory

SERVICE
 HANDLING 159 CF @ 2.40 394.20
 MILEAGE 2.25 hr/mile 299.25
 DEPTH OF JOB
 PUMP TRUCK CHARGE 156.25
 EXTRA FOOTAGE @
 HV MILEAGE 15 @ 7.70 115.50
 LV MILEAGE 15 @ 4.40 66.00
 @
 @

TOTAL 2,387.82

DISCOUNT 50% 1,193.91

CHARGE TO: King Oil Operations
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT
 @
 @
 @
 @
 @
 TOTAL
 DISCOUNT %

To: Allied Oil & Gas Services, LLC.
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PRINTED NAME
 SIGNATURE [Signature]

SALES TAX (If Any)
 TOTAL CHARGES 5,538.12
 DISCOUNT 2,769.06 (50%) IF PAID IN 30 DAYS
 NET TOTAL 2,769.06 IF PAID IN 30 DAYS
Bid