



**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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# 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. 076

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-22-11	23	15	14	Russell	KS		11:30
Lease H. S. Mai	Well No. 4			Location Russell S to Winterset @ 1/8 W 5. int			
Contractor Royal #2				Owner			
Type Job Production String				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed			
Hole Size 7 7/8	T.D. 3420			Charge To Crag Oil			
Csg. 5 1/2	Depth 3425			Street			
Tbg. Size	Depth			City State			
Tool	Depth			City State			
Cement Left in Csg.	Shoe Joint 20.73			The above was done to satisfaction and supervision of owner agent or contractor			
Meas Line	Displace 83BC			Cement Amount Ordered 180 com 10% salt 5% G. lson			
<b>EQUIPMENT</b>				500 gal mud clear			
Pumptrk 5 No.	Cement Helper	Crag		Common 180			
Bulktrk No.	Driver	Dale		Poz. Mix			
Bulktrk 14 No.	Driver	Jason		Gel.			
<b>JOB SERVICES &amp; REMARKS</b>				Calcium			
Remarks:				Hulls			
Rat Hole 304K				Salt 15			
Mouse Hole 153K				Flowseal			
Centralizers				Kol-Seal 900#			
Baskets				Mud CLR 48 500			
D/V or Port Collar 3425				CFL-117 or CD110 CAF 38			
5 1/2 set @ Insert @ 3404				Sand 205			
P.S. Crag on <del>3404</del> Pump				Handling			
500 gal mud clear 10% salt 5% G. lson				Mileage			
Vlog Ratholeg. Mosehole. Cement				<b>FLOAT EQUIPMENT</b>			
5 1/2 w 1355K. Open lines 4				Guide Shoe 1 5 1/2			
Displace Plug. Plug 1000 @				Centralizer 6 Turbo's			
1400# Release Pressure Dry				Baskets 1			
Float Hole				AFU Inserts 1			
				Float Shoe 1 1/2 in. + clamp			
				Latch Down Rubber Plug			
				Pumptrk Charge			
Thanks				Mileage 11 prod long string			
				Tax			
				Discount			



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

No. 121

785-483-2025  
785-324-1041

Date	11/17/11	Sec.	Twp.	Range	County	State	On Location	Finish
Lease	H.S. Main	Well No.	A	Location	Russell	Kansas		7:15 PM
Contractor	Royal Drilling	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed					
Type Job	Surface	Charge To	Casing					
Hole Size	12 1/4	T.D.	920	Street				
Csg.	8 1/2	Depth	920	City	State			
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor				
Tool		Depth		Cement Amount Ordered 350 (Common)				
Cement Left in Csg.		Shoe Joint	15					
Meas Line		Displace	57.5					

### EQUIPMENT

Pumptrk	9	No.	Cementor	Common	350
			Helper		
Bulktrk	13	No.	Driver	Poz. Mix	
			Driver		
Bulktrk		No.	Driver	Gel.	7
			Driver	Calcium	13

### JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling 370
	Mileage

### FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge Long Surface  
Mileage 11

Tax

Discount

Total Charge





# DRILL STEM TEST REPORT

Prepared For: **Craig Ward dba Craig Oil Company**

15 S Main Russell KS 67665+2901

ATTN: Francis Whisler

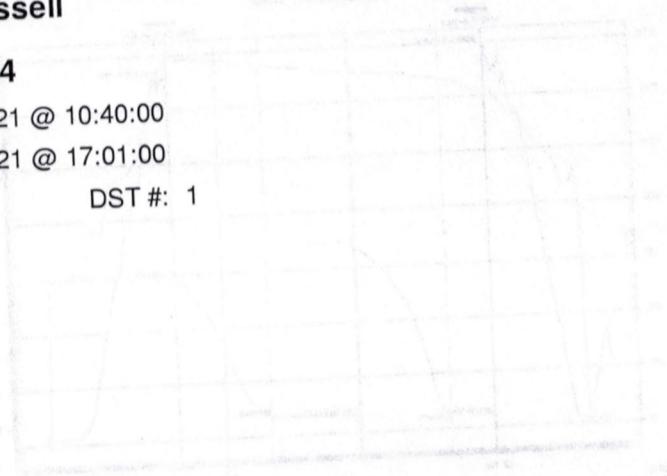
**23-15-14 Russell**

**H.J Mai #4**

Start Date: 2011.11.21 @ 10:40:00

End Date: 2011.11.21 @ 17:01:00

Job Ticket #: 18658      DST #: 1

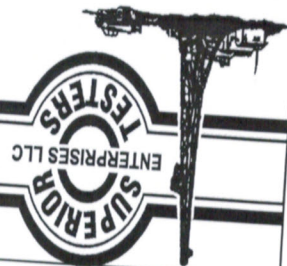


Superior Testers Enterprises LLC  
 PO Box 138 Great Bend KS 67530  
 1-800-792-6902

Craig Ward dba Craig Oil Company  
 H.J Mai #4  
 23-15-14 Russell

# DRILL STEM TEST REPORT

Craig Ward dba Craig Oil Company  
 15 S Main Russell KS 67665+2901  
 ATTN: Francis Whisler



## GENERAL INFORMATION:

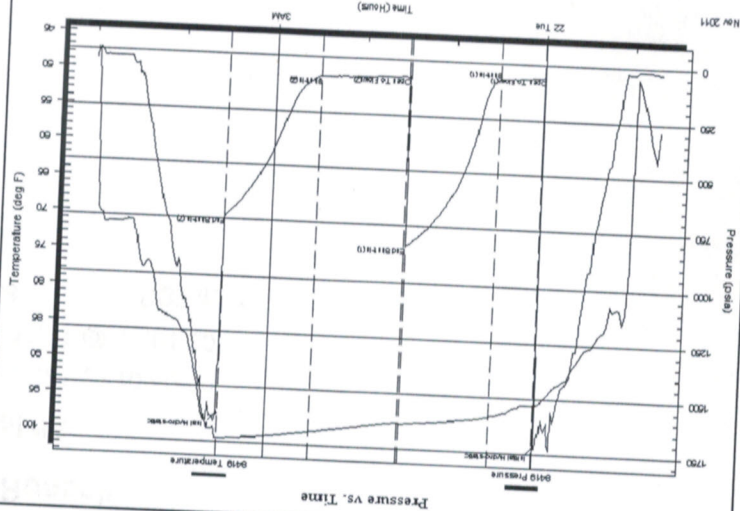
H.J Mai #4  
 23-15-14 Russell  
 Job Ticket: 18658  
 DST#: 1  
 Test Start: 2011.11.21 @ 10:40:00

Formation: Arbuckle  
 Deviated: No  
 Whipstock: No  
 Time Tool Opened: 12:00:30  
 Time Test Ended: 17:01:00  
 Interval: 3332.00 ft (KB) To 3366.00 ft (KB) (TVD)  
 Total Depth: 3366.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inchesHole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320-GB-  
 Reference Elevations: 1917.00 ft (KB)  
 1910.00 ft (CF)  
 7.00 ft  
 KB to GR/CF:

Serial #: 8419  
 Inside  
 Press@RunDepth: 87.98 psia @  
 3362.00 ft (KB)  
 Start Date: 2011.11.21  
 End Date: 2011.11.21  
 End Time: 22:40:00

TEST COMMENT:  
 1st Opening 30 Minutes-Fair blow built 6 1/2 inches into water in 30 minutes  
 2nd Opening 60 Minutes-Weak blow built 7 1/2 inches into water in 60 minutes  
 2nd Shut-in 60 Minutes-No blow back  
 1st Shut-in 60 Minutes-No blow back  
 2011.11.22 @ 03:32:30  
 2011.11.21 @ 23:59:30  
 2011.11.22  
 Capacity: 5000.00 psia  
 Last Calib.:  
 Time On Btm: 05:01:00  
 Time Off Btm:



Length (ft)	Description	Volume (bbl)
30.00	Clean gassy oil 10%gas 90%oil	0.42
60.00	Muddy Oil 20%oil 80% mud	0.84
0.00	Gravity Oil 42	0.00

## Recovery

Superior Testers Enterprises LLC  
 Ref. No: 18658

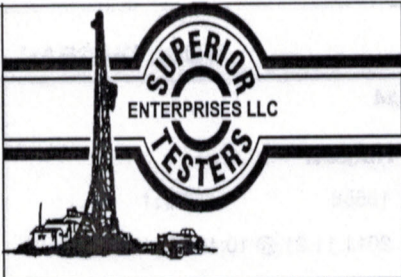
## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1716.39	94.77	Initial Hydro-static
1	58.76	94.54	Open To Flow (1)
31	70.93	96.36	Shut-in(1)
91	839.09	97.87	End Shut-in(1)
92	76.51	97.80	Open To Flow (2)
151	87.98	99.52	Shut-in(2)
212	736.59	100.81	End Shut-in(2)
213	1618.28	100.84	Final Hydro-static

## Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mc/d)





# DRILL STEM TEST REPORT

Craig Ward dba Craig Oil Company

**H.J Mai #4**

15 S Main Russell KS 67665+2901

**23-15-14 Russell**

Job Ticket: 18658

**DST#: 1**

ATTN: Francis Whisler

Test Start: 2011.11.21 @ 10:40:00

## GENERAL INFORMATION:

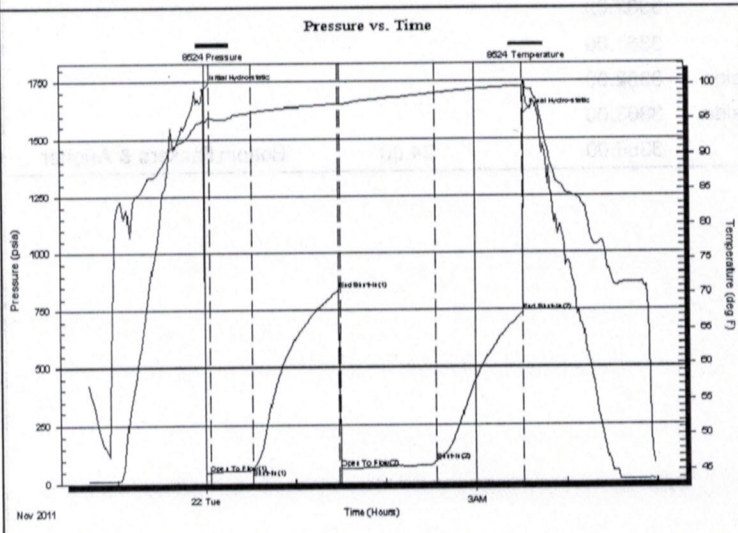
Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:00:30  
 Time Test Ended: 17:01:00  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 3320-GB-  
 Interval: **3332.00 ft (KB) To 3366.00 ft (KB) (TVD)**  
 Reference Elevations: 1917.00 ft (KB)  
 Total Depth: 3366.00 ft (KB) (TVD)  
 1910.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 7.00 ft

## Serial #: 8524

**Outside**

Press@RunDepth: 738.50 psia @ 3363.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2011.11.21 End Date: 2011.11.22 Last Calib.: 2011.11.22  
 Start Time: 22:40:00 End Time: 05:00:00 Time On Btm: 2011.11.21 @ 23:59:00  
 Time Off Btm: 2011.11.22 @ 03:32:00

**TEST COMMENT:** 1st Opening 30 Minutes-Fair blow built 6 1/2 inches into water in 30 minutes  
 1st Shut-in 60 Minutes-No blow back  
 2nd Opening 60 Minutes-Weak blow built 7 1/2 inches into water in 60 minutes  
 2nd Shut-In 60 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1718.16	94.98	Initial Hydro-static
4	47.68	95.26	Open To Flow (1)
33	66.07	96.10	Shut-In(1)
91	835.46	97.22	End Shut-In(1)
92	62.59	97.17	Open To Flow (2)
155	90.41	98.77	Shut-In(2)
212	738.50	99.79	End Shut-In(2)
213	1607.90	100.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Clean gassy oil 10%gas 90%oil	0.42
60.00	Muddy Oil 20%oil 80%mud	0.84
0.00	Gravity Oil 42	0.00

## Gas Rates

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



Craig Ward dba Craig Oil Company  
 15 S Main Russell KS 67665+2901

H.J Mai #4  
 23-15-14 Russell

Job Ticket: 18658  
 DST#: 1  
 ATTN: Francis Whisler  
 Test Start: 2011.11.21 @ 10:40:00

**TOOL DIAGRAM**

**DRILL STEM TEST REPORT**

**Tool Information**

Drill Pipe: Length: 3319.00 ft Diameter: 3.80 inches Volume: 46.56 bbl  
 Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl  
 Drill Collar: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl  
 Drill Pipe Above KB: 7.00 ft  
 Depth to Top Packer: 3332.00 ft  
 Depth to Bottom Packer: 34.00 ft  
 Interval between Packers: 34.00 ft  
 Tool Length: 54.00 ft  
 Number of Packers: 2 Diameter: 6.75 inches  
 Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00		Inside	3317.00	
Hydrolic Tool	5.00			3322.00	
Packer	5.00			3327.00	20.00
Packer	5.00			3332.00	
Anchor	29.00			3361.00	
Recorder	1.00	8419	Inside	3362.00	
Recorder	1.00	8524	Outside	3363.00	
Bullnose	3.00			3366.00	
					<b>Total Tool Length: 54.00</b>
Bottom Packers & Anchor	34.00				





# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Craig Ward dba Craig Oil Company

**H.J Mai #4**

15 S Main Russell KS 67665+2901

**23-15-14 Russell**

Job Ticket: 18658

**DST#: 1**

ATTN: Francis Whisler

Test Start: 2011.11.21 @ 10:40:00

## Mud and Cushion Information

Mud Type: Gel Chem  
 Mud Weight: 9.00 lb/gal  
 Viscosity: 51.00 sec/qt  
 Water Loss: 8.80 in<sup>3</sup>  
 Resistivity: 4000.00 ohm.m  
 Salinity: ppm  
 Filter Cake: 1.00 inches

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

Oil API: deg API  
 Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Clean gassy oil 10%gas 90%oil	0.421
60.00	Muddy Oil 20%oil 80%mud	0.842
0.00	Gravity Oil 42	0.000

Total Length: 90.00 ft      Total Volume: 1.263 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







Serial #: 8524

Outside Craig Ward dba Craig Oil Company

23-15-14 Russell

DST Test Number: 1

### Pressure vs. Time

