



**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: \_\_\_\_\_



1059294

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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Form	ACO1 - Well Completion
Operator	Buffalo Resources LLC
Well Name	Whitmer Unit 1-20
Doc ID	1059294

All Electric Logs Run

Micro
Dual Induction
Compensated Neutron
Micro



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Buffalo Resources LLC

**Whitmer Unit #1-20**

301 Commerce, Ste 1380  
Ft. Worth, Texas 76102

**20-14s-11w Russell**

ATTN: Matthew Flanery

Job Ticket: 43607

**DST#: 1**

Test Start: 2011.06.11 @ 16:50:50

## GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:17:15

Time Test Ended: 20:56:45

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

**Interval: 2798.00 ft (KB) To 2846.00 ft (KB) (TVD)**

Reference Elevations: 1671.00 ft (KB)

Total Depth: 2846.00 ft (KB) (TVD)

1663.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6625 Inside**

Press @ Run Depth: 27.62 psig @ 2808.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.11

End Date:

2011.06.11

Last Calib.: 2011.06.11

Start Time: 16:50:50

End Time:

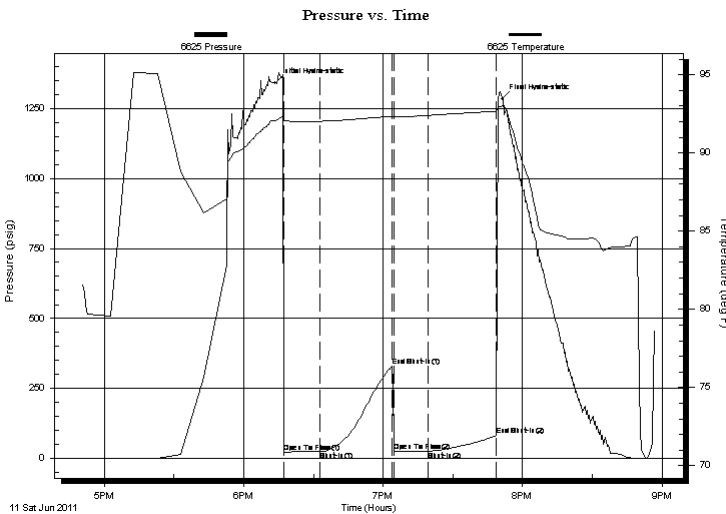
20:56:45

Time On Btm: 2011.06.11 @ 18:13:45

Time Off Btm: 2011.06.11 @ 19:51:15

**TEST COMMENT:** 15-IFP-surface bl thru-out  
30-ISIP-no bl bk  
15-FFP-surface bl  
30-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1339.90	92.10	Initial Hydro-static
4	23.30	92.10	Open To Flow (1)
19	24.87	92.03	Shut-In(1)
50	329.57	92.35	End Shut-In(1)
51	26.01	92.30	Open To Flow (2)
66	27.62	92.41	Shut-In(2)
95	82.95	92.67	End Shut-In(2)
98	1284.11	93.02	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/show of oil	0.14

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Buffalo Resources LLC

**Whitmer Unit #1-20**

301 Commerce, Ste 1380  
Ft. Worth, Texas 76102

**20-14s-11w Russell**

Job Ticket: 43607

**DST#: 1**

ATTN: Matthew Flanery

Test Start: 2011.06.11 @ 16:50:50

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud w/show of oil	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

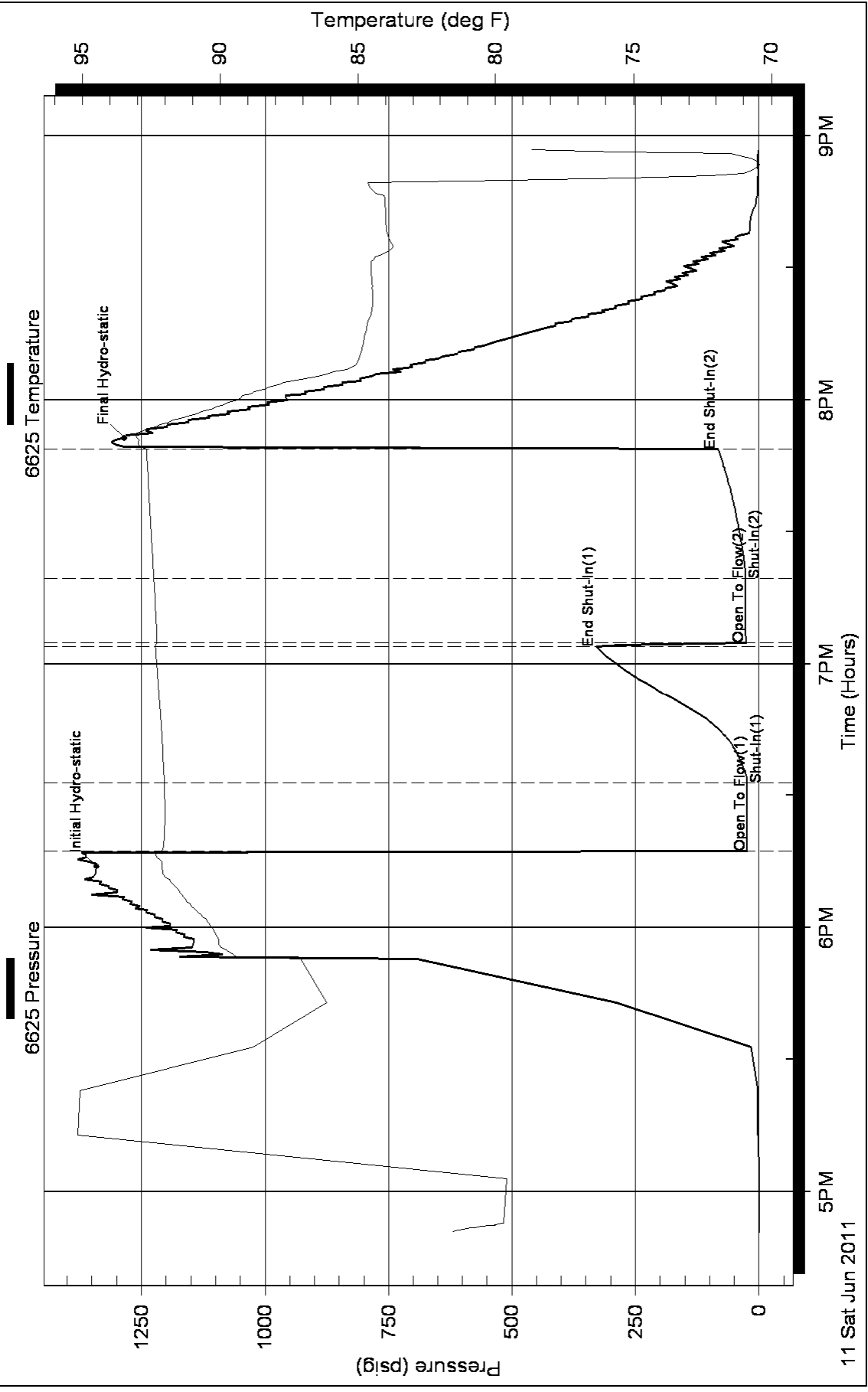
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Buffalo Resources LLC

**Whitmer Unit #1-20**

301 Commerce, Ste 1380  
Ft. Worth, Texas 76102

**20-14s-11w Russell**

ATTN: Matthew Flanery

Job Ticket: 43864

**DST#: 2**

Test Start: 2011.06.12 @ 05:52:25

## GENERAL INFORMATION:

Formation: **Lancing "F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:00:55

Time Test Ended: 13:26:55

Test Type: Conventional Bottom Hole

Tester: Cody Bloedorn

Unit No: 39

**Interval: 2892.00 ft (KB) To 2912.00 ft (KB) (TVD)**

Reference Elevations: 1671.00 ft (KB)

Total Depth: 2912.00 ft (KB) (TVD)

1663.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 8352 Inside**

Press @ Run Depth: 37.69 psig @ 2893.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.12

End Date:

2011.06.12

Last Calib.:

2011.06.12

Start Time: 05:52:30

End Time:

13:26:54

Time On Btm:

2011.06.12 @ 08:00:45

Time Off Btm:

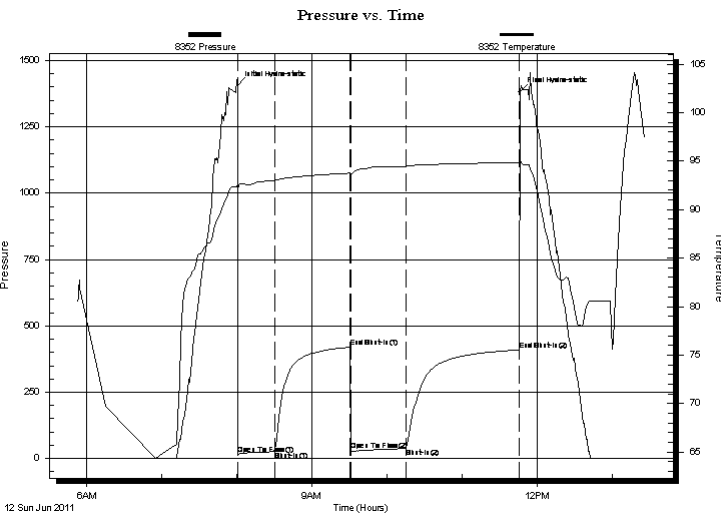
2011.06.12 @ 11:46:15

**TEST COMMENT:** 30 - IF- 1 1/4" Blow

60 - IS- No blow back 35 Minutes, surface blow fading in and out, died in 11 min.

FF- 1/2" blow

FS- No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1407.37	92.77	Initial Hydro-static
1	14.91	91.98	Open To Flow (1)
30	26.04	93.01	Shut-In(1)
90	419.61	93.76	End Shut-In(1)
91	29.74	93.57	Open To Flow (2)
135	37.69	94.47	Shut-In(2)
226	408.58	94.88	End Shut-In(2)
226	1382.56	95.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	50%M, 50%W Slightly oil spotted	0.21

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Buffalo Resources LLC

**Whitmer Unit #1-20**

301 Commerce, Ste 1380  
Ft. Worth, Texas 76102

**20-14s-11w Russell**

Job Ticket: 43864

**DST#: 2**

ATTN: Matthew Flanery

Test Start: 2011.06.12 @ 05:52:25

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	50%M, 50%W Slightly oil spotted	0.210

Total Length: 15.00 ft      Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

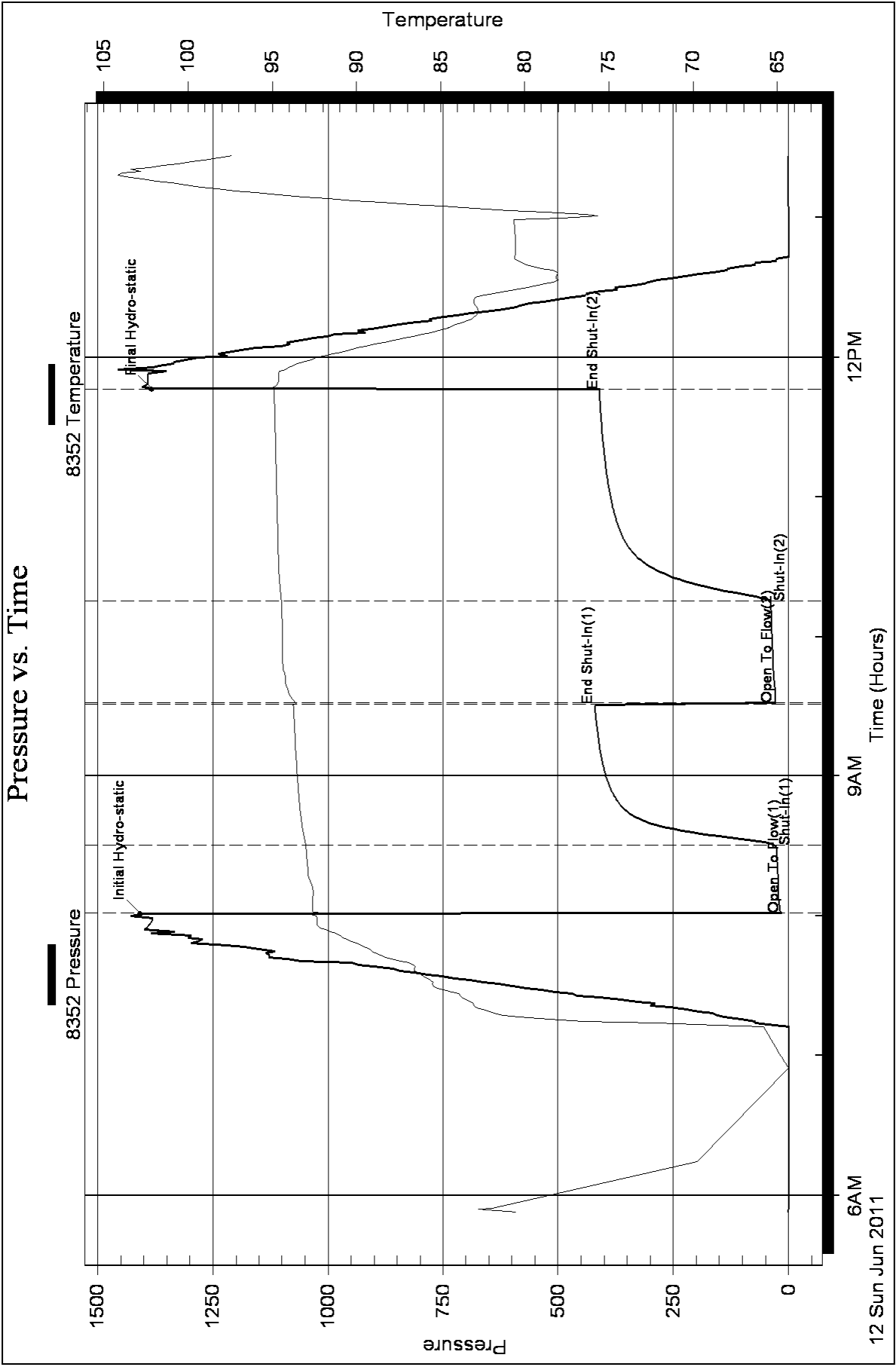
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Water Salinity: .23@86 Degrees= 25000





# 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. 4958

Date	6-8-11	Sec.	20	Twp.	14	Range	11	County	Russell	State	Ks	On Location		Finish	9:15 PM		
Lease	Whitmes			Well No.	#1-20			Location	Dorrance, KS - 2W, 12S, W1/4								
Contractor	Duke #2							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							Hole Size	12 1/4"	T.D.	353'	Charge To				Buffalo Resources, LLC.	
Csg.	8 5/8"							Depth	352'	Street							
Tbg. Size								Depth	City							State	
Tool								Depth	City							State	
Cement Left in Csg.	42.75'							Shoe Joint	42.75'							The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line								Displace	21 BLS							Cement Amount Ordered	180 sx 60/40 3% CL, 2% Gel

**EQUIPMENT**

Pumptrk	5	No.	Cementer	Cisco	Common	180 108
Bulktrk	10	No.	Driver	Math	Poz. Mix	72
Bulktrk	pn	No.	Driver	Rick	Gel.	3

**JOB SERVICES & REMARKS**

Remarks:	Cement did Circulate.	Calcium	6
Rat Hole		Hulls	
Mouse Hole		Salt	
Centralizers		Flowseal	
Baskets		Kol-Seal	
D/V or Port Collar		Mud CLR 48	
		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	189
		Mileage	

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	2
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1 - Baffle plate
	1 - Wooden plug
Pumptrk Charge	Surface
Mileage	14

X Signature Daren Patterson

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. 3842

Date	6-13-11	Sec.	20	Twp.	14	Range	11	County	Russell	State	KS	On Location		Finish	8:00AM
Lease	Whitmer	Well No.	1-20		Location		Dorrance 1/2 E 1 1/2 S W into								
Contractor	Duke #2				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	PTA				Charge To		Buffalo Resources								
Hole Size	7 7/8		T.D.		3010'		Depth		560'						
Csg.	4 1/2 x-hole		Depth		400'										
Tbg. Size			Depth		40'										
Tool			Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.										
Cement Left in Csg.			Displace		Cement Amount Ordered 140 SK 60/40 4% gel 4lb Flo										

**EQUIPMENT**

Pumptrk	5	No.	Cementer	Brandon	Common	84
			Helper			
Bulktrk	3	No.	Driver	Paul	Poz. Mix	56
			Driver			
Bulktrk	PN	No.	Driver	Coly	Gel.	5
			Driver			

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal 35
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
1st plug @ 560' mix 25x	Sand
2nd plug @ 400' mix 75x	Handling 145
3rd plug @ 40' mix 10x	Mileage
Rat hole mix 30x	

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
1-dry hole plug	
Pumptrk Charge	plug
Mileage	14
	Tax
	Discount
	Total Charge

Thank You!

X Signature Dion Vasquez