



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1075937  
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: \_\_\_\_\_

1075937

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 <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  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	WEBSTER 1-36
Doc ID	1075937

All Electric Logs Run

DIL
CNL/CDL
Microresistivity
BHCS
CPI

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	WEBSTER 1-36
Doc ID	1075937

Tops

Name	Top	Datum
Herrington	2454	-145
Winfield	2501	-192
Towanda	2575	-266
Fort Riley	2630	-321
B/Florence	2710	-401
Kinney Ls	2724	-415
Wrefold	2767	-458
Council Grove	2796	-487
Crouse	2838	-529
Neva	2977	-668
Red Eagle	3046	-737
Americus	3107	-798
Onaga Sale	3201	-892
Wabaunsee	3206	-897
Root Shale	3262	-953
Stotler	3330	-1021
Tarkio	3376	-1067
Howard	3468	-1159
Topeka	3526	-1217
Heebner	3900	-1591
Toronto	3919	-1610
Douglas Shale	3932	-1623
LKC	3980	-1671
BKC	4330	-2021

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	WEBSTER 1-36
Doc ID	1075937

Tops

Name	Top	Datum
Marmaton	4339	-2030
Pawnee	4411	-2102
Ft Scott	4456	-2147
Cherokee Shale	4486	-2177
Mississippi	4570	-2261
RTD	4725	-2416

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

March 07, 2012

Franklin R. Greenbaum  
F. G. Holl Company L.L.C.  
9431 E CENTRAL STE 100  
WICHITA, KS 67206-2563

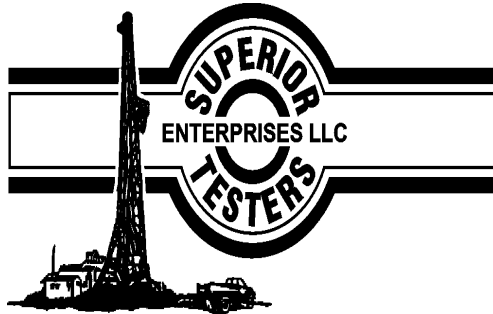
Re: ACO1  
API 15-083-21749-00-00  
WEBSTER 1-36  
NE/4 Sec.36-22S-22W  
Hodgeman County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Franklin R. Greenbaum



## DRILL STEM TEST REPORT

Prepared For: **F.G. Holl Company LLC.**

9431 East Central Suite 100  
Wichita Kansas 67206

ATTN: Ryan Greenbaum

### **Webster # 1-36**

#### **36-22s-22w-Hodgeman**

Start Date: 2012.03.01 @ 08:10:00

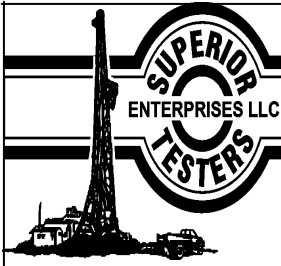
End Date: 2012.03.01 @ 14:02:00

Job Ticket #: 17190                      DST #: 1

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

Printed: 2012.03.01 @ 14:15:36

F.G. Holl Company LLC.  
36-22s-22w-Hodgeman  
Webster # 1-36  
DST # 1  
Mississippi  
2012.03.01



# DRILL STEM TEST REPORT

F.G. Holl Company LLC.  
 9431 East Central Suite 100  
 Wichita Kansas 67206  
 ATTN: Ryan Greenbaum

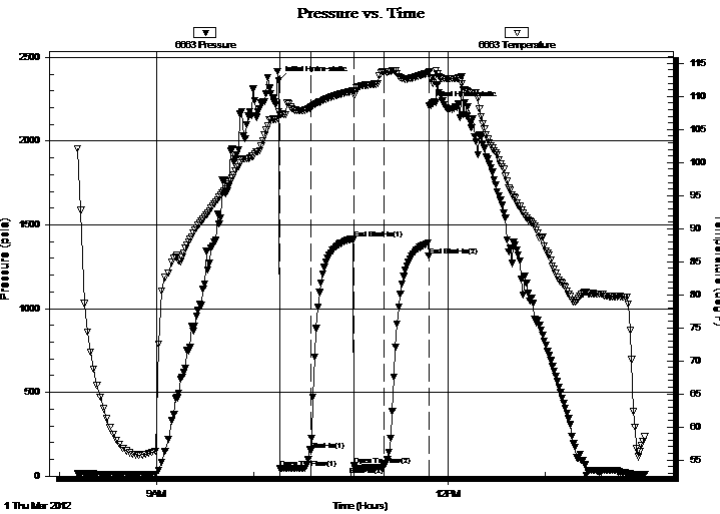
**36-22s-22w-Hodgeman**  
**Webster # 1-36**  
 Job Ticket: 17190 **DST#: 1**  
 Test Start: 2012.03.01 @ 08:10:00

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:16:00  
 Time Test Ended: 14:02:00  
 Interval: **4546.00 ft (KB) To 4576.00 ft (KB) (TVD)**  
 Total Depth: 4576.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-GB-280  
 Reference Elevations: 2309.00 ft (KB)  
 2301.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 6663 Outside**  
 Press @ Run Depth: 60.73 psia @ 4573.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.03.01 End Date: 2012.03.01 Last Calib.: 2012.03.01  
 Start Time: 08:10:00 End Time: 14:02:00 Time On Btm: 2012.03.01 @ 10:15:30  
 Time Off Btm: 2012.03.01 @ 11:48:30

**TEST COMMENT:** 1st Open 15 minutes Weak blow 1 inch into the bucket  
 1st Shut in 30 minutes No blow back.  
 2nd Open 15 minutes Weak surface blow  
 2nd Shut in 30 minutes No blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2360.58	107.71	Initial Hydro-static
1	46.78	107.23	Open To Flow (1)
20	151.63	108.29	Shut-In(1)
46	1418.50	110.84	End Shut-In(1)
47	63.22	110.17	Open To Flow (2)
65	60.73	113.81	Shut-In(2)
93	1315.42	113.57	End Shut-In(2)
93	2210.98	113.75	Final Hydro-static

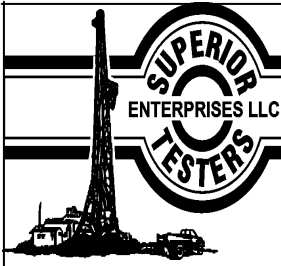
## Recovery

Length (ft)	Description	Volume (bbl)
19.00	Oil cut mud 95%Mud 5%Oil	0.27
1.00	Clean oil 100%	0.01

## Gas Rates

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





# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G. Holl Company LLC.

**36-22s-22w-Hodgeman**

9431 East Central Suite 100  
Wichita Kansas 67206

**Webster # 1-36**

Job Ticket: 17190

**DST#: 1**

ATTN: Ryan Greenbaum

Test Start: 2012.03.01 @ 08:10:00

## Tool Information

Drill Pipe:	Length: 4525.00 ft	Diameter: 3.80 inches	Volume: 63.47 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 63.47 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4546.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	58.00 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			4523.00	
Hydraulic Tool	5.00			4528.00	
Jars	6.00			4534.00	
Safety Joint	2.00			4536.00	
Packer	5.00			4541.00	28.00 Bottom Of Top Packer
Packer	5.00			4546.00	
Perforations	25.00			4571.00	
Recorder	1.00	6999	Inside	4572.00	
Recorder	1.00	6663	Outside	4573.00	
Bull Plug	3.00			4576.00	30.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>58.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

F.G. Holl Company LLC.

**36-22s-22w-Hodgeman**

9431 East Central Suite 100  
Wichita Kansas 67206

**Webster # 1-36**

Job Ticket: 17190

**DST#: 1**

ATTN: Ryan Greenbaum

Test Start: 2012.03.01 @ 08:10:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 8.80 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 5900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: deg API

ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
19.00	Oil cut mud 95%Mud 5%Oil	0.267
1.00	Clean oil 100%	0.014

Total Length: 20.00 ft      Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

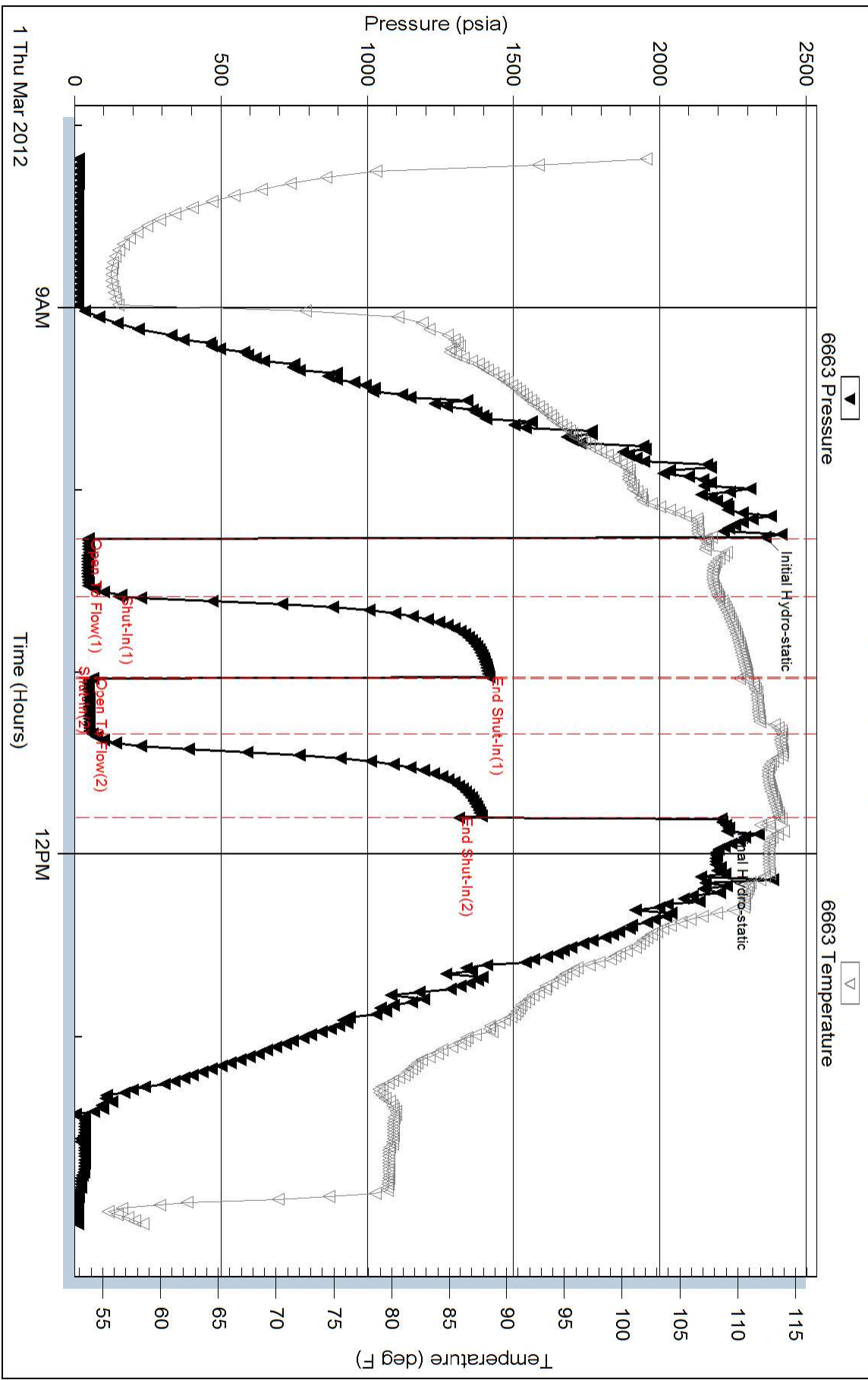
Serial #:

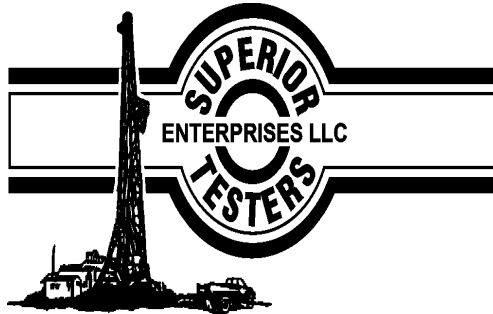
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **F.G. Holl Company LLC.**

9431 East Central Suite 100  
Wichita Kansas 67206

ATTN: Ryan Greenbaum

### **Webster # 1-36**

### **36-22s-22w-Hodgeman**

Start Date: 2012.03.01 @ 10:05:00

End Date: 2012.03.02 @ 04:37:32

Job Ticket #: 17191                      DST #: 2

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

Printed: 2012.03.02 @ 07:11:25



# DRILL STEM TEST REPORT

F.G. Holl Company LLC.

**36-22s-22w-Hodgeman**

9431 East Central Suite 100  
Wichita Kansas 67206

**Webster # 1-36**

Job Ticket: 17191

**DST#: 2**

ATTN: Ryan Greenbaum

Test Start: 2012.03.01 @ 10:05:00

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:56:02

Time Test Ended: 04:37:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-GB-140

**Interval: 4545.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Reference Elevations: 2309.00 ft (KB)

Total Depth: 4580.00 ft (KB) (TVD)

2301.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6806 Inside**

Press @ Run Depth: 235.76 psia @ 4576.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.03.01

End Date: 2012.03.02

Last Calib.: 2012.03.02

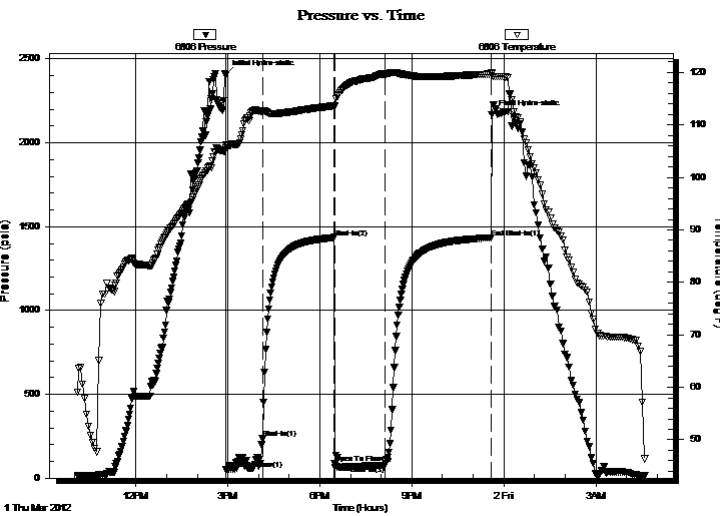
Start Time: 10:05:00

End Time: 04:37:32

Time On Btm: 2012.03.01 @ 14:55:32

Time Off Btm: 2012.03.01 @ 23:36:32

**TEST COMMENT:** 1st Open 30 minutes Fair building blow reached 3 inches into bucket  
1st Shut in 60 minutes No blow back  
2nd Open 45 minutes Fair building blow blew 3 inches into the bucket  
2nd Shut in 90 minutes Yes blow back



## PRESSURE SUMMARY

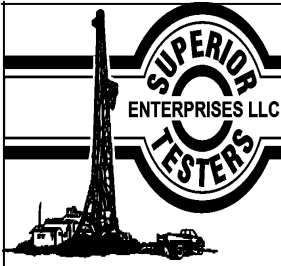
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2404.09	106.18	Initial Hydro-static
1	52.89	105.62	Open To Flow (1)
72	235.76	112.63	Shut-In(1)
212	1434.96	113.66	Shut-In(2)
213	86.92	113.45	Open To Flow (2)
313	77.91	119.67	Shut-In(3)
520	1434.03	119.73	End Shut-In(1)
521	2166.39	119.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
74.00	Oil spotted mud Oil 1% Mud 99%	1.04
1.00	Clean oil 100%	0.01

## Gas Rates

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



# DRILL STEM TEST REPORT

F.G. Holl Company LLC.

**36-22s-22w-Hodgeman**

9431 East Central Suite 100  
Wichita Kansas 67206

**Webster # 1-36**

Job Ticket: 17191

**DST#: 2**

ATTN: Ryan Greenbaum

Test Start: 2012.03.01 @ 10:05:00

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:56:02

Time Test Ended: 04:37:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-GB-140

**Interval: 4545.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Reference Elevations: 2309.00 ft (KB)

Total Depth: 4580.00 ft (KB) (TVD)

2301.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6663 Outside**

Press @ RunDepth: 1435.59 psia @ 4577.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.03.01

End Date:

2012.03.01

Last Calib.:

2012.03.02

Start Time: 10:05:00

End Time:

18:18:00

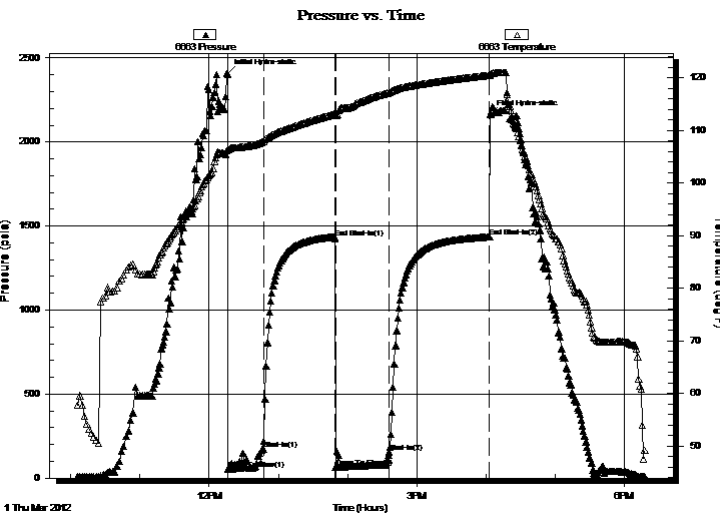
Time On Btm:

2012.03.01 @ 12:16:00

Time Off Btm:

2012.03.01 @ 16:03:30

**TEST COMMENT:** 1st Open 30 minutes Fair building blow reached 3 inches into bucket  
1st Shut in 60 minutes No blow back  
2nd Open 45 minutes Fair building blow blew 3 inches into the bucket  
2nd Shut in 90 minutes Yes blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2405.03	106.33	Initial Hydro-static
1	52.40	106.33	Open To Flow (1)
31	173.24	107.96	Shut-In(1)
93	1426.90	113.11	End Shut-In(1)
94	67.19	112.78	Open To Flow (2)
140	156.64	117.20	Shut-In(2)
227	1435.59	120.51	End Shut-In(2)
228	2163.61	120.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
74.00	Oil spotted mud Oil 1% Mud 99%	1.04
1.00	Clean oil 100%	0.01

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G. Holl Company LLC.

**36-22s-22w-Hodgeman**

9431 East Central Suite 100  
Wichita Kansas 67206

**Webster # 1-36**

Job Ticket: 17191

**DST#: 2**

ATTN: Ryan Greenbaum

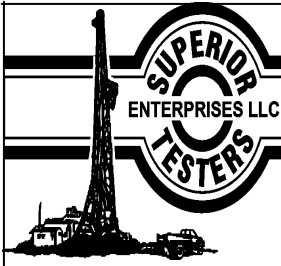
Test Start: 2012.03.01 @ 10:05:00

## Tool Information

Drill Pipe:	Length: 4528.00 ft	Diameter: 3.80 inches	Volume: 63.52 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 63.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4545.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 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			4522.00	
Hydraulic Tool	5.00			4527.00	
Jars	6.00			4533.00	
Safety Joint	2.00			4535.00	
Packer	5.00			4540.00	28.00 Bottom Of Top Packer
Packer	5.00			4545.00	
Perforations	30.00			4575.00	
Recorder	1.00	6806	Inside	4576.00	
Recorder	1.00	6663	Outside	4577.00	
Bull Plug	3.00			4580.00	35.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>63.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

F.G. Holl Company LLC.

**36-22s-22w-Hodgeman**

9431 East Central Suite 100  
Wichita Kansas 67206

**Webster # 1-36**

Job Ticket: 17191

**DST#: 2**

ATTN: Ryan Greenbaum

Test Start: 2012.03.01 @ 10:05:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 51.00 sec/qt  
Water Loss: 16.80 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 8800.00 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
74.00	Oil spotted mud Oil 1%Mud 99%	1.038
1.00	Clean oil 100%	0.014

Total Length: 75.00 ft      Total Volume: 1.052 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

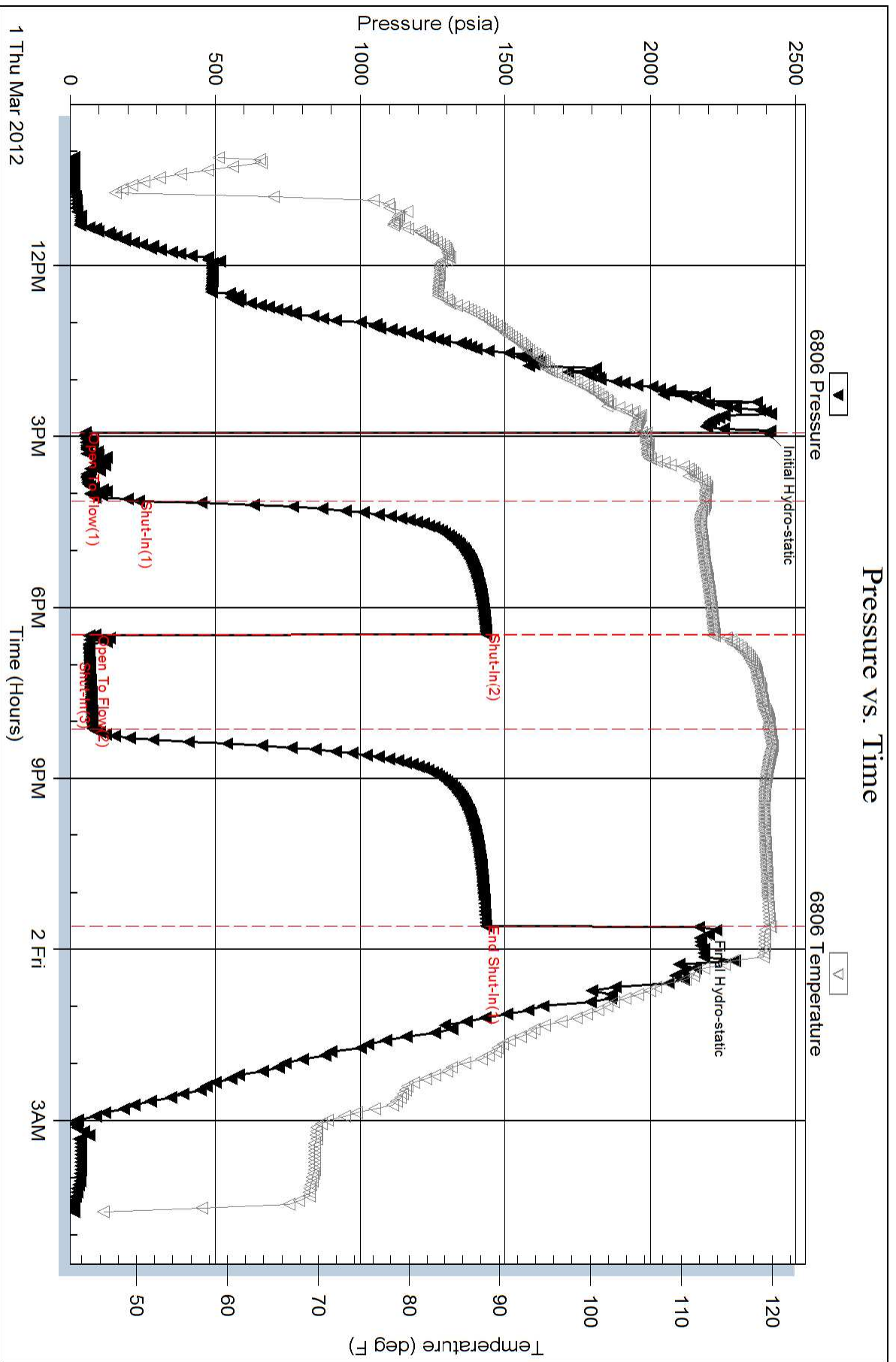
Laboratory Name:

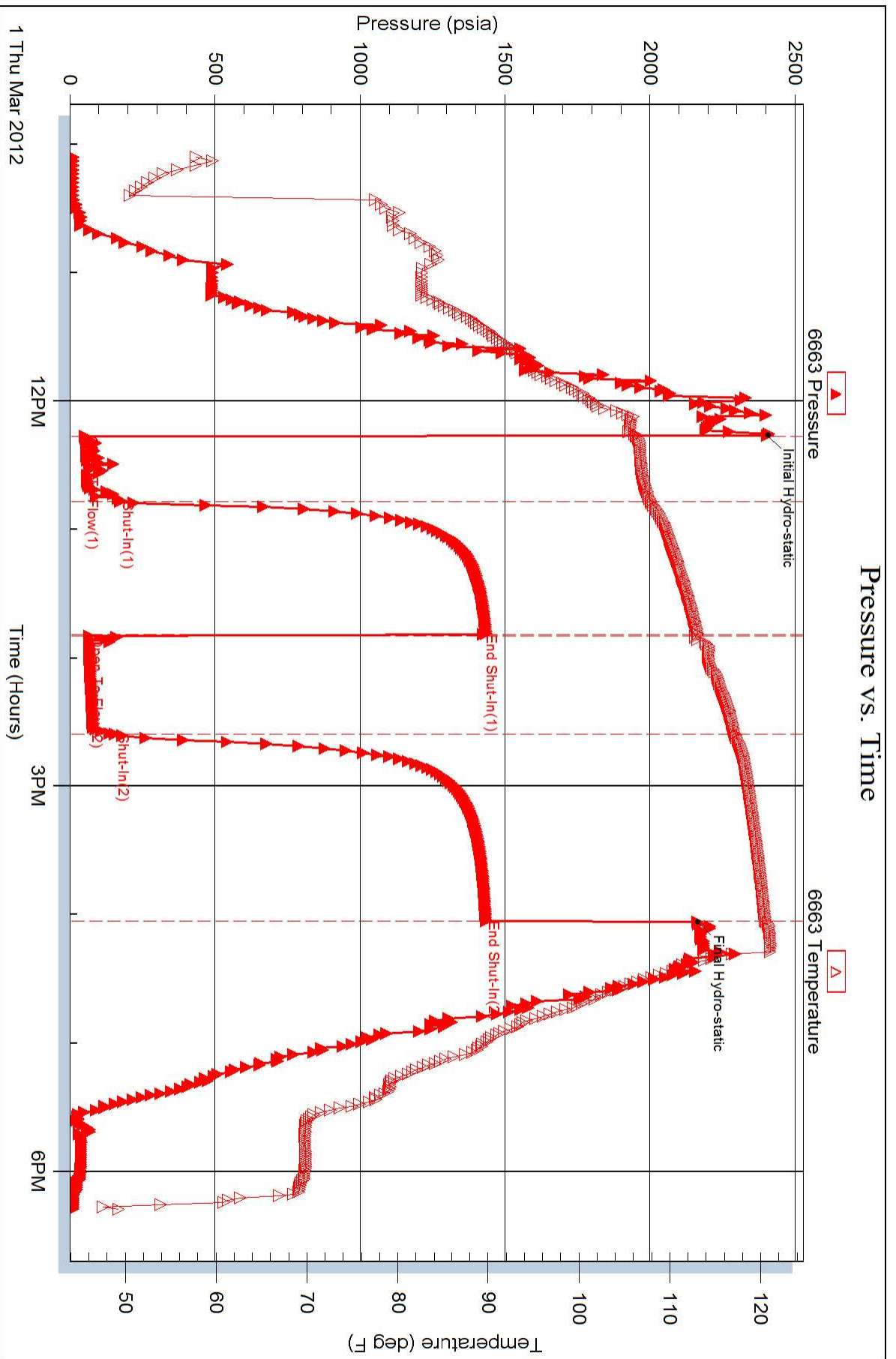
Laboratory Location:

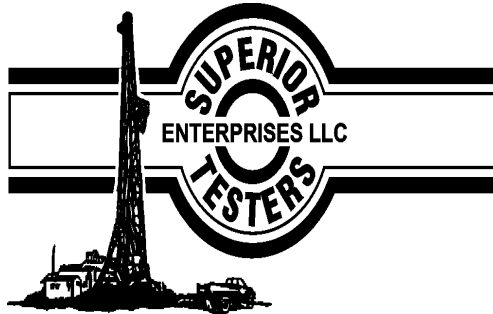
Recovery Comments:



### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **F.G. Holl Company LLC.**

9431 East Central Suite 100  
Wichita Kansas 67206

ATTN: Ryan Greenbaum

### **Webster # 1-36**

### **36-22s-22w-Hodgeman**

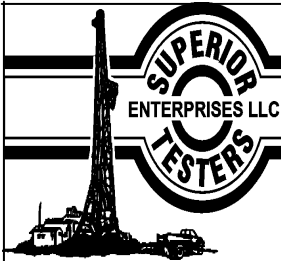
Start Date: 2012.03.02 @ 02:20:00

End Date: 2012.03.02 @ 09:46:53

Job Ticket #: 17192                      DST #: 3

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

Printed: 2012.03.02 @ 22:17:56



# DRILL STEM TEST REPORT

F.G. Holl Company LLC.

**36-22s-22w-Hodgeman**

9431 East Central Suite 100  
Wichita Kansas 67206

**Webster # 1-36**

Job Ticket: 17192

**DST#: 3**

ATTN: Ryan Greenbaum

Test Start: 2012.03.02 @ 02:20:00

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:22:53

Time Test Ended: 09:46:53

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-GB-140

**Interval: 4574.00 ft (KB) To 4584.00 ft (KB) (TVD)**

Reference Elevations: 2309.00 ft (KB)

Total Depth: 4584.00 ft (KB) (TVD)

2301.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

## Serial #: 6663

Press @ RunDepth: 93.23 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.03.02 End Date: 2012.03.02

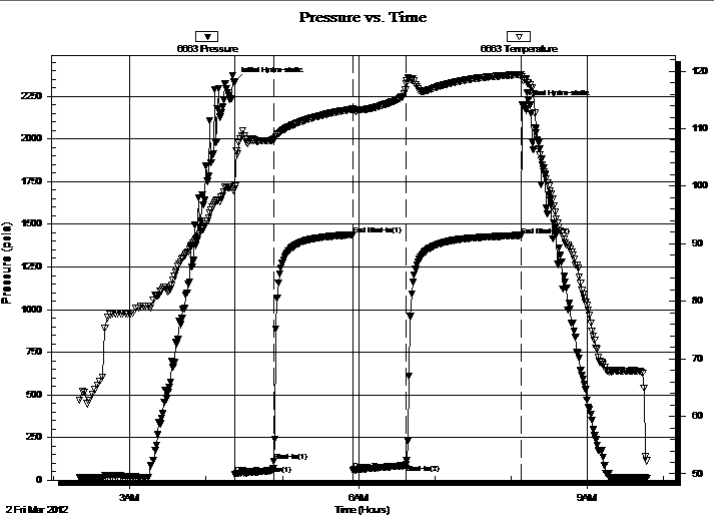
Last Calib.: 2012.03.02

Start Time: 02:20:00 End Time: 09:46:53

Time On Btm: 2012.03.02 @ 04:22:23

Time Off Btm: 2012.03.02 @ 08:08:53

**TEST COMMENT:** 1st Open 30 minutes Fair building blow blew 3.5 inches .  
1st Shut in 60 minutes No blow back  
2nd Open 45 minutes Fair building blow built to 3.5 inches  
2nd Shut in 90 minutes No blow back



## PRESSURE SUMMARY

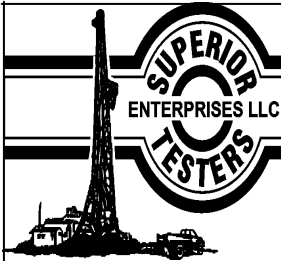
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2334.78	99.52	Initial Hydro-static
1	35.69	99.99	Open To Flow (1)
31	109.14	108.14	Shut-In(1)
93	1438.55	113.40	End Shut-In(1)
94	58.97	113.16	Open To Flow (2)
135	93.23	117.77	Shut-In(2)
226	1434.83	119.44	End Shut-In(2)
227	2201.64	119.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Clean Oil 100%	0.07
115.00	Muddy water	1.61
0.00	Chlorides 56,000 @ 62 Degrees	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

F.G. Holl Company LLC.

**36-22s-22w-Hodgeman**

9431 East Central Suite 100  
Wichita Kansas 67206

**Webster # 1-36**

Job Ticket: 17192

**DST#: 3**

ATTN: Ryan Greenbaum

Test Start: 2012.03.02 @ 02:20:00

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:22:53

Time Test Ended: 09:46:53

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-GB-140

**Interval: 4574.00 ft (KB) To 4584.00 ft (KB) (TVD)**

Reference Elevations: 2309.00 ft (KB)

Total Depth: 4584.00 ft (KB) (TVD)

2301.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

## Serial #: 6806

Press @ RunDepth: 1434.69 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.03.02 End Date: 2012.03.02

Last Calib.: 2012.03.02

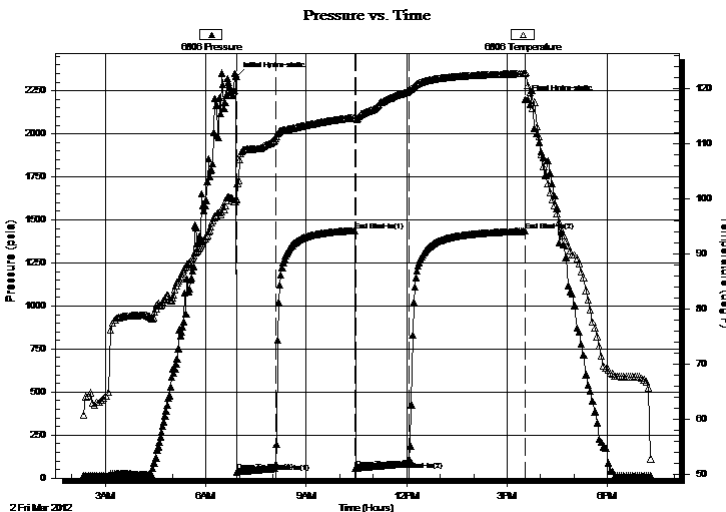
Start Time: 02:20:00 End Time: 19:18:00

Time On Btm: 2012.03.02 @ 06:55:00

Time Off Btm: 2012.03.02 @ 15:33:00

**TEST COMMENT:** 1st Open 30 minutes Fair building blow blew 3.5 inches .  
1st Shut in 60 minutes No blow back  
2nd Open 45 minutes Fair building blow built to 3.5 inches  
2nd Shut in 90 minutes No blow back

## PRESSURE SUMMARY



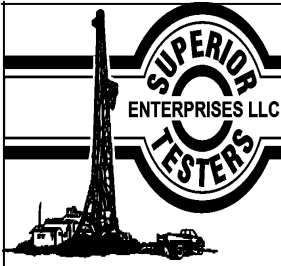
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2335.57	100.08	Initial Hydro-static
1	36.85	100.03	Open To Flow (1)
70	83.20	111.00	Shut-In(1)
212	1438.55	114.85	End Shut-In(1)
213	59.09	114.53	Open To Flow (2)
309	99.87	119.68	Shut-In(2)
517	1434.69	122.75	End Shut-In(2)
518	2198.37	122.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Clean Oil 100%	0.07
115.00	Muddy water	1.61
0.00	Chlorides 56,000 @ 62 Degrees	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G. Holl Company LLC.

**36-22s-22w-Hodgeman**

9431 East Central Suite 100  
Wichita Kansas 67206

**Webster # 1-36**

Job Ticket: 17192

**DST#: 3**

ATTN: Ryan Greenbaum

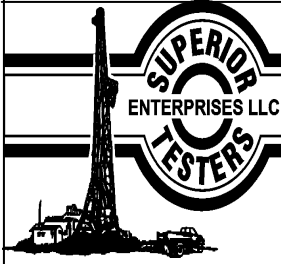
Test Start: 2012.03.02 @ 02:20:00

## Tool Information

Drill Pipe:	Length: 4556.00 ft	Diameter: 3.80 inches	Volume: 63.91 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 63.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4574.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 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			4551.00	
Hydraulic Tool	5.00			4556.00	
Jars	6.00			4562.00	
Safety Joint	2.00			4564.00	
Packer	5.00			4569.00	28.00 Bottom Of Top Packer
Packer	5.00			4574.00	
Perforations	5.00			4579.00	
Recorder	1.00	6806	Inside	4580.00	
Recorder	1.00	6663	Outside	4581.00	
Bull Plug	3.00			4584.00	10.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>38.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

F.G. Holl Company LLC.

**36-22s-22w-Hodgeman**

9431 East Central Suite 100  
Wichita Kansas 67206

**Webster # 1-36**

Job Ticket: 17192

**DST#: 3**

ATTN: Ryan Greenbaum

Test Start: 2012.03.02 @ 02:20:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 46.00 sec/qt  
Water Loss: 15.60 in<sup>3</sup>  
Resistivity: 0.40 ohm.m  
Salinity: 7300.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Clean Oil 100%	0.070
115.00	Muddy water	1.613
0.00	Chlorides 56,000 @ 62 Degrees	0.000

Total Length: 120.00 ft      Total Volume: 1.683 bbl

Num Fluid Samples: 0

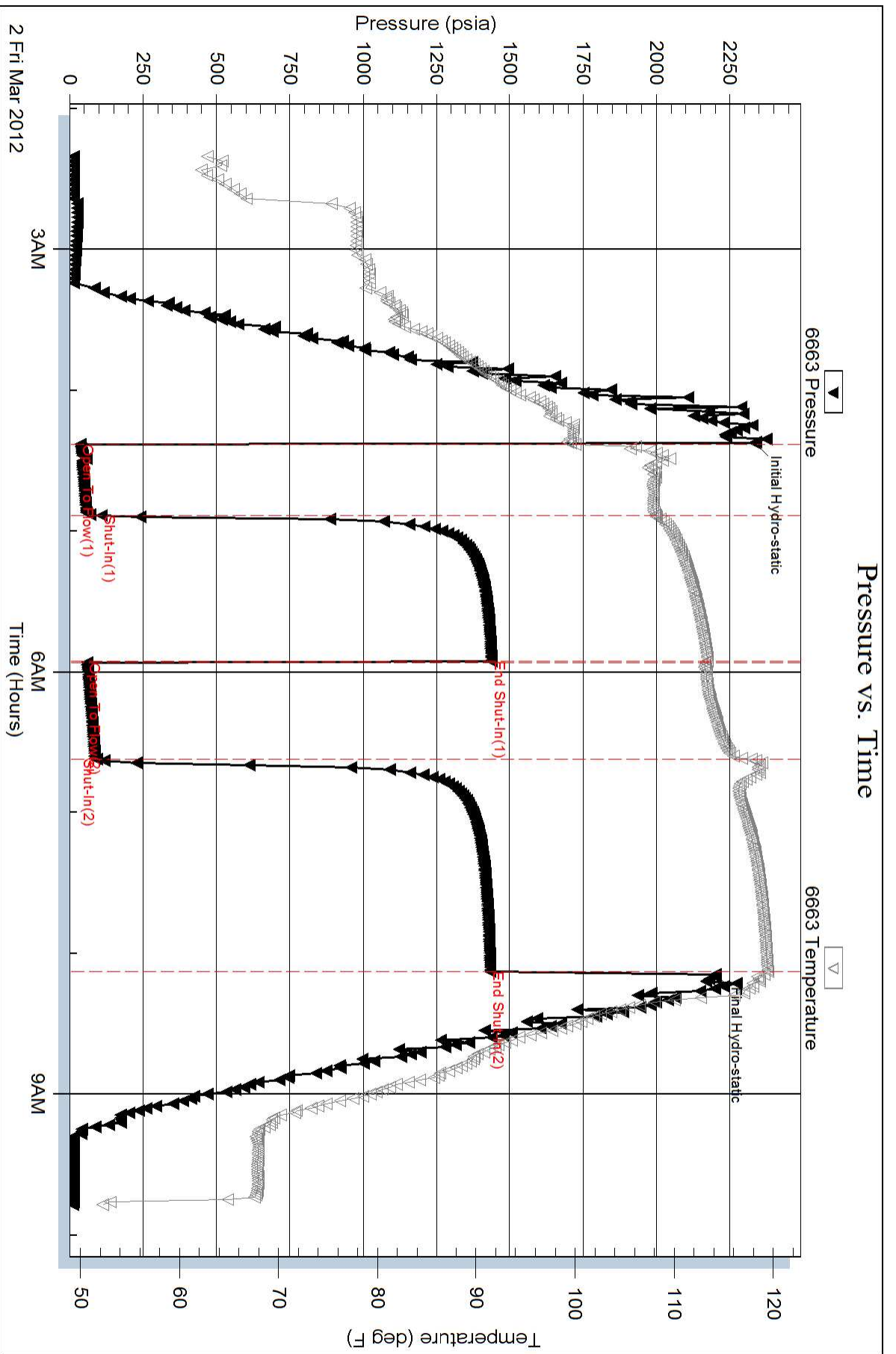
Num Gas Bombs: 0

Serial #:

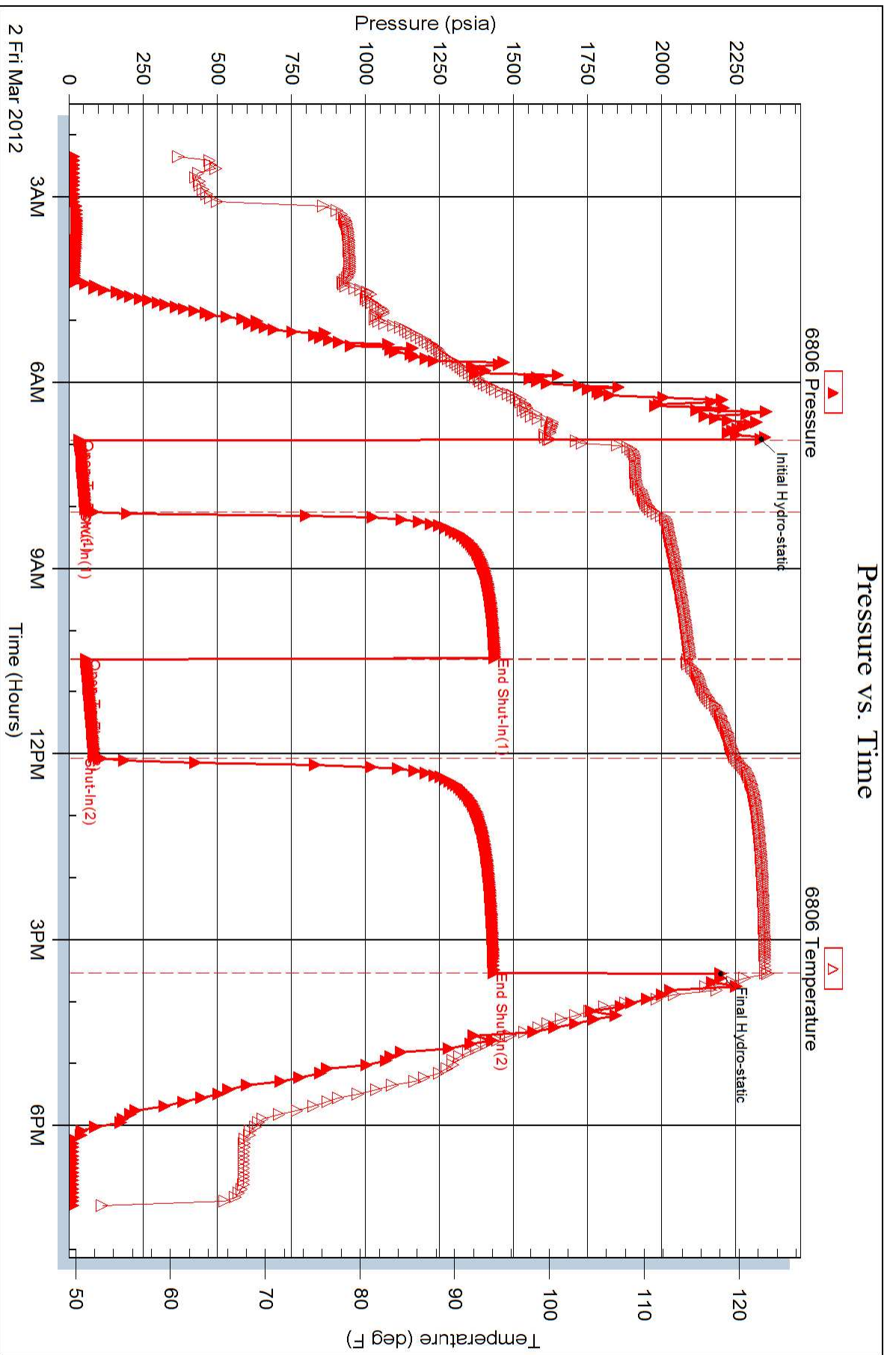
Laboratory Name:

Laboratory Location:

Recovery Comments:











**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET  
1718 05905 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 2-23-12 DISTRICT Pratt				NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:			
CUSTOMER F.L. Hall				LEASE Webster		WELL NO. 1-36	
ADDRESS				COUNTY Hodgeman		STATE KS	
CITY STATE				SERVICE CREW Oct. Do, Mitchell, Young			
AUTHORIZED BY				JOB TYPE: CNW - 8 5/8 Surface			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE 2-23-12 TIME 11:00 AM
27283	1/2					ARRIVED AT JOB	6:30 AM
19889-19843	1/2					START OPERATION	9:00 AM
1833-21016	1/2					FINISH OPERATION	9:30 AM
						RELEASED	10:00 AM
						MILES FROM STATION TO WELL	90

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP101	Accon Blend	Sx	150		
CP100C	Common Cement	Sx	150		
CC102	Celstake	Lb	75		
CC109	Calcium Chloride	gal	705		
CS105	TOP Rubber Cement Plus 8 5/8"	ea	1		
CS1753	Centralices 8 5/8"	ea	3		
E100	Pickup mileage	mi	90		
E101	Heavy Equipment mileage	mi	180		
E113	Bulk Delivery	fm	1269		
CE201	D.P.H. Charge 501-1000'	ea	1		
CE240	Blending Tank	Sx	300		
CE54	Pipe Contain	ea	1		
S003	Service Supervisor	ea	1		

CHEMICAL / ACID DATA:			

SUB TOTAL			
DLS			
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL			

SERVICE REPRESENTATIVE Steve Odeh	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
-----------------------------------	---

FIELD SERVICE ORDER NO. \_\_\_\_\_

Customer F.L. Hall	Lease No.	Date 2-25-01			
Lease W-bank	Well # 1-36				
Field Order # 576	Station P	Casing 8 7/8	Depth 615	County Harrison	State MO
Type Job CROW-3 1/4 Surf	Formation	Legal Description 36-07-01			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 2 7/8	Tubing Size 2 1/2	Shots/Ft 1		Acid 10% HCl	RATE	PRESS	ISIP	
Depth 615	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 3.1	Volume	From	To	Pad	Min		10 Min.	
Max Press 1100	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection 1 1/2	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush 3.1	Gas Volume		Total Load	

Customer Representative S. Lee	Station Manager D. S. Lee	Treater S. Lee
-----------------------------------	------------------------------	-------------------

Service Units 97765	19889	19845	17257/21610					
Driver Names G. Lee								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:30					On location 5:15 AM. Run 1471 3 1/4 casing. 560' - 500' - 40' casing to bottom. Round casing with key.
7:00	300		3	5	11% HCl
7:10	200		56	5	11% HCl 2.50 A - 1000 12.1" / 1"
7:15	200		33	5	11% HCl 2.50 A - 1000 12.1" / 1"
					Stop Pump
					Pre Pump
7:21	0		0	5	Stop 11% HCl. Run
7:30	350		73	4	Case to surface.
9:30 AM	400		32.1	4	Pre Pump
					Customer this job
					Completed 13 bbl 11% HCl
					Job Complete
					11% HCl



**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 05245 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>3-4-12</b> DISTRICT <b>KANSAS</b>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <b>FG Holl</b>		LEASE <b>Webster # 1-36</b> WELL NO.							
ADDRESS		COUNTY <b>Hodgeman 36-22</b> STATE <b>KANS</b>							
CITY STATE		SERVICE CREW <b>Allen, Bradley, McCaskey</b>							
AUTHORIZED BY		JOB TYPE: <b>PTA</b> <b>CRW</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<b>28443 P.U.</b>	<b>3.15</b>						<b>3-3-12</b>	<b>PM</b>	<b>600</b>
<b>19889-19843</b>	<b>3.15</b>					ARRIVED AT JOB	<b>3-3-12</b>	<b>AM</b>	<b>830</b>
<b>19832-21010</b>	<b>3.15</b>					START OPERATION	<b>3-3-12</b>	<b>AM</b>	<b>1130</b>
						FINISH OPERATION	<b>3-4-12</b>	<b>PM</b>	<b>245</b>
						RELEASED	<b>3-4-12</b>	<b>PM</b>	<b>315</b>
						MILES FROM STATION TO WELL	<b>90-miles</b>		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 P02	SK	210		
CC200	Cement Gel	lb	362		
E100	unit mileage chg.	mi	90		
E101	Heavy Equip mileage	mi	180		
E113	Bulk Delivery chg.	fm	815		
CE202	Depth Charge 1001-2000	4-hr	1		
CE240	Bleeding & mixing service chg.	SK	210		
S003	Service Supervisor first 8 hrs on loc	EA	1		

CHEMICAL / ACID DATA:			

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

SUB TOTAL

**DCS**

TOTAL

SERVICE REPRESENTATIVE <b>Allen f. Ward</b>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <b>Allen f. Ward</b> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
---	---

FIELD SERVICE ORDER NO.

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer EG Holl	Lease No.	Date 3-4-12
Lease Webster	Well # 1-36	
Field Order # 05245A	Station Pratt	Casing
Type Job PTA	Formation CWW TD 4725'	Depth
		County Hodgeman
		State KS
		Legal Description 36-22-22

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
	4 1/2"	210		SKs 60/40 Poz	4 1/2 gpm		5 Min.	
Depth	Depth	From	To	Pre Pad	Max		10 Min.	
Volume	Volume	From	To	Pad	Min		15 Min.	
Max Press	Max Press	From	To	Frac	Avg		Annulus Pressure	
Well Connection	Annulus Vol.	From	To		HHP Used		Total Load	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			

Customer Representative Steve TP	Station Manager Scotty	Treater Allen
Service Units 28443 19889 19843 19832 21010		
Driver Names Allen Brad Mitchell Jeff McCaskey		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:30 AM					On Loc. Discuss Safety, Setup, Plan Job.
					Rig Run <del>stands</del> stands. To Lay down
9:30					Start Laying down Drill Pipe
11:30			20	4	1st Plug 1480' w/ 50 SKs, Pump 20 BBL H <sub>2</sub> O
			12.7	4	Mix + Pump 50 SKs
			10	4	Pump 10 BBLs H <sub>2</sub> O behind.
					Pull Drill Pipe
12:10 AM			10	4	2nd Plug 640' w/ 40 SK 60/40 Poz 4% gel
			10	4	pump 10 BBL water
			4	4	Mix + Pump 40 SKs
					pump 3 BBL Behind (H <sub>2</sub> O)
12:45			5	4	3rd Plug 300' w/ 50 SKs 60/40 Poz 4% gel
			12.7	4	pump 5 BBL H <sub>2</sub> O ahead
			1	4	Mix + Pump 50 SKs
2:20			5		Pump 1 BBL H <sub>2</sub> O Behind, Pull R. H + M H
2:30			7 1/2		4th 60' to surface 20 SKs 60/40
2:45			5		Plug RAT Hole w/ 30 SKs
3:15					Plug Mouse Hole w/ 20 SKs
					Job complete.
					THANKS Allen, Brad, McCaskey