

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
June 2009

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

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

1/28/13

OPERATOR: License # 5056  
Name: F.G. Holl Company, L.L.C.  
Address 1: 9431 E. Central, Suite 100  
Address 2:  
City: Wichita State: KS Zip: 67206 +  
Contact Person: Franklin R. Greenbaum  
Phone: ( 316 ) 684-8481, Ext. 206  
CONTRACTOR: License # 5929  
Name: Duke Drilling Company Inc., Rig #8  
Wellsite Geologist: Ryan Greenbaum  
Purchaser: NCRA

**KCC**  
**JAN 28 2011**  
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API No. 15 - 145-21,623-00-00  
Spot Description:  
C E/2 E/2 NE Sec. 2 Twp. 20 S. R. 16  East  West  
1,320 Feet from  North /  South Line of Section  
330 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Pawnee  
Lease Name: HANSON-TRUST Well #: 1-2  
Field Name: Ryan  
Producing Formation: Arbuckle  
Elevation: Ground: 1982' Kelly Bushing: 1990'  
Total Depth: 3950' Plug Back Total Depth: 3755'  
Amount of Surface Pipe Set and Cemented at: 1006 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: 43,000 ppm Fluid volume: 800 bbls  
Dewatering method used: Hauled free fluids to SWD  
Location of fluid disposal if hauled offsite:  
Operator Name: Pauls Oilfield Service, INC.  
Lease Name: MILLER #1 License #: 31085  
Quarter NW Sec. 6 Twp. 19 S. R. 15  East  West  
County: Barton Permit #: 21,324

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 #:  
12/06/2010 12/15/2010 01/25/2011  
Spud Date or Date Reached TD Completion Date or Recompletion Date

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Franklin R. Greenbaum

Signature: \_\_\_\_\_

Title: Exploration Manager Date: 01/28/2010

**KCC Office Use ONLY**  
**RECEIVED**  
Date: 1/28/13 - 1/29/13 FEB 11 2011  
 Letter of Confidentiality Received  
 Confidential Release Date:  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: \_\_\_\_\_ Date: 2/11/11

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Operator Name: F.G. Holl Company, L.L.C. Lease Name: HANSON-TRUST Well #: 1-2  
 Sec. 2 Twp. 20 S. R. 16  East  West County: Pawnee

**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 Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: CDL/CNL/ML  BHCS/DIL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum See attachment
--	--

CASING RECORD <input type="checkbox"/> New <input checked="" 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
Surface	12-1/4"	8-5/8"	24#	1006'	A-Con	200sx	2% gel, 3%cc
					Common	200sx	
Production	7-7/8"	5-1/2"	14#	3940'	AA-2 & 60/40 Pozmix	130sx&50sx	2% gel, 3%cc

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	3716' - 3719' Arbuckle	Spotted 500 gal 10% MSA acid over Arbuckle	
		Spotted 250 gal 15% MIRA acid	
4 SPF	3703' - 3707' Arbuckle	Treat w/ 150 gal 10% MIRA acid	
4 SPF	3693' - 3697' Arbuckle	Spotted 150 gal 15% nefe acid	

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>3624'</u> Packer At: <u>3640'</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>January 26, 2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 checked="" 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: <u>3693' - 3719' OA Arbuckle</u>
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HANSON TRUST NO. 1-2  
PAWNEE COUNTY, KANSAS

Formation	Sample	Datum	E-Log	Datum
Anhydrite				
Herrington	1927	+63	1930	+60
Krider	1950	+40	1950	+40
Winfield			1980	+10
Towanda			2042	-52
Fort Riley			2079	-89
B/Florence			2178	-188
Kinney Ls			2197	-207
Wrefold			2229	-239
Council Grove	2231	-241	2247	-257
Crouse			2288	-298
Neva			2422	-432
Red Eagle			2484	-494
Onaga Shale			2634	-644
Wabaunsee			2655	-665
Root Shale			2716	-726
Stotler			2769	-779
Tarkio	2823	-833	2825	-835
Howard				
Severy Shale			3051	-1061
Topeka			3053	-1063
Heebner	3296	-1306	3300	-1310
Toronto			3317	-1327
Douglas Sh.			3329	-1339
Brown lime	3374	-1384	3378	-1388
LKC	3384	-1394	3388	-1398
BKC			3612	-1622
Conglomerate			3619	-1629
Arbuckle			3652	-1662
RTD			3950	-1960

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# BASIC

energy services, L.P.

## TREATMENT REPORT

KCC

JAN 28 2011

Customer: FG Hall Co. LLC Lease No.: CONFIDENTIAL Date: 12-7-10  
 Lease: NANSON TRUST Well #: 1-2  
 Field Order #: 02985A Station: Pratt KS Casing: 8 5/8" Depth: 1006 County: Lawrence State: KS  
 Type Job: 8 5/8" Surface Formation: CNW TO 1006.90' Legal Description: 2-20-16

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size: <u>8 5/8"</u>	Tubing Size: <u>8 5/8"</u>	Shots/Ft: <u>200 SKS</u>	From: <u>200 SKS</u>	Acid: <u>A-con @ 12#</u>	RATE: <u>12#/GAL</u>	PRESS: <u>2% gel, 3% CC</u>	ISIP: <u>5 Min. 1/4" C.F @ 13"</u>
Depth: <u>1006</u>	Depth: <u>1006</u>	From: <u>200 SKS</u>	To: <u>200 SKS</u>	Pre Pad: <u>common</u>	Max: <u>2%</u>		10 Min.
Volume: <u>62485</u>	Volume: <u>62485</u>	From: <u>200 SKS</u>	To: <u>200 SKS</u>	Pad: <u>common</u>	Min: <u>2%</u>		15 Min.
Max Press: <u>500#</u>	Max Press: <u>500#</u>	From: <u>200 SKS</u>	To: <u>200 SKS</u>	Frac: <u>common</u>			Annulus Pressure
Well Connection: <u>PC</u>	Annulus Vol.:	From: <u>200 SKS</u>	To: <u>200 SKS</u>			HHP Used:	Total Load
Plug Depth: <u>986'</u>	Packer Depth:	From: <u>200 SKS</u>	To: <u>200 SKS</u>	Flush: <u>Disp. N<sub>2</sub>O</u>		Gas Volume:	

Customer Representative: Steve Station Manager: Scotty Treater: Allen F. Worth

Service Units: <u>28443</u>	<u>33708</u>	<u>20920</u>	<u>14832</u>	<u>19862</u>
Driver Names: <u>Worth</u>	<u>Joe</u>	<u>Melton</u>	<u>Lucas</u>	<u>Wiser</u>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00 AM					on Loc. Discuss Safety, Setup, Plan Job.
9:30					Rig circ. @ 1006' w/ Rig.
10:00					start out of Hole w/ D.P.
10:20					out of Hole w/ Bit + Drain up Kelly.
10:30					Rig up to Run 8 5/8" casing 24'
11:30					cent- 950-500-80'
11:45	300#		88	5 1/2	circ w/ Rig @ 1006' good circ
			48	5 1/2	start 200 SKS A-con Blend @ 12#
					start 200 SKS common w/ 2% gel, 3% CC, 1/4" C.F @ 15#
					Finish mix cement
					Prop 8 5/8" Top Rubber Plug.
12:15	200#			4 1/2	start Disp.
	500#		62 1/2		Plug down - shut down + shut IR @ well.
					Release PST
					washup + Back up Equip.
1:30					Job complete -
					cmr circ to Pit
					thanks Allen, Joe, Lucas.

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**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

KCC  
JAN 28 2011  
CONFIDENTIAL

FIELD SERVICE TICKET  
1718 02985 A

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

DATE OF JOB <u>12-7-10</u> DISTRICT <u>KANSAS</u>		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 <u>FG. Holl Co. LLC</u>		LEASE <u>Hanson Trust</u> WELL NO. <u>#1-2</u>						
ADDRESS		COUNTY <u>PAWNEE 2-20-16</u> STATE <u>KANSAS</u>						
CITY STATE		SERVICE CREW <u>A. Werth J. Nelson L. Wisner</u>						
AUTHORIZED BY		JOB TYPE: <u>6 5/8" Surface</u>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME
<u>28443 P.U.</u>	<u>1</u>						<u>12-7-10</u>	<u>6:50 AM</u>
<u>33708-20920</u>	<u>1</u>					ARRIVED AT JOB	<u>12-7-10</u>	<u>9:00 AM</u>
<u>19832-19862</u>	<u>1</u>					START OPERATION	<u>12-7-10</u>	<u>11:30 AM</u>
						FINISH OPERATION	<u>12-7-10</u>	<u>12:30 PM</u>
						RELEASED	<u>12-7-10</u>	<u>1:30 PM</u>
						MILES FROM STATION TO WELL	<u>65 miles</u>	

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	A-Cow Blend Common	SK	200		
CP100	Common	SK	200		
CC102	Cell FLAKE	lb	100		
CC109	Calcium Chloride	lb	1128		
CC200	Cement Gel	lb	376		
CP105	Top Rubber cement Plug 8 5/8"	EA	1		
CF1753	Cent 8 5/8 Blue	EA	3		
E100	Unit mileage Charge pickup	mi	65		
E101	Heavy Equip. mileage	mi	130		
E113	Bulk Del. Chg	TM	1222		
CE202	Depth Charge 1001-2000	4-hrs	1		
CE240	Blending + Mixing Service chg	SK	400		
CE504	Plug container Utilization chg	Job	1		
5002	Service Supervisor first 8hrs on loc	EA	1		

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CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<u>9,761.80</u>

SERVICE REPRESENTATIVE <u>Allen F. Werth</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY <u>[Signature]</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
--	--

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

Customer FG HOLL CO. LLC	Lease No.	Date 12-15-10
Lease HANSON TRUST	Well # # 1-2	
Field Order # 02993 A	Station Pratt KS	County Pawnee
Type Job 5/2" Long String	Casing 5/2"	Depth 3940'
	Formation CNU T D 3950'	Legal Description J-20-16

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 5/2"	Tubing Size	Shots/Ft		Acid 12 BBI super flush	RATE	PRESS	ISIP
Depth 3940'	Depth	From	To	Pre Pad 50 SKS 60/40 P02	Max Scavenger 12 # 19/L		5 Min.
Volume 9.5 @ 66/15	Volume	From	To	Pad 130 SKS AA2 cmt	Min @ 15 #/gal		10 Min.
Max Press 1500 #	Max Press	From	To	Frac 50 SKS 60/40 P02	Avg Plug RAT Hole		15 Min.
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 3926	Packer Depth	From	To	Flush Disp H2O	Gas Volume		Total Load

Customer Representative Bob Long	Station Manager scotty	Treater Allen F. Werth
Service Units 28443 19903 19905 19832 19862		
Driver Names A Werth Keenan Lesley Lucas		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:00 AM					on Loc. Discuss Safety, Setup Plan Job
7:30					Righting down Drill Pipe out of Hole, lay down Kelly, Rig up to Run 5/2" casing 155'
10:30					Start casing Shoe Joint 13.98' w/ Auto Fill Float Shoe, L.O. Baffel inella casing @ 3940' Hook up + CIR + Rotate w/ Rig.
12:30	200 #		12	5	pump 12 BBI super flush
			5	5	pump 5 BBLs H2O spacer
			10	5	mix + pump 50 SKS 60/40 scavenger @ 12 #
			33	5	mix + pump 130 SKS AA2 @ 15 #/gal washout Pump + Line clean
12:55 AM	350 #			6	Drop L.O. Plug + Start Disp.
1:15	1500 #		95.7	4	caught Lift Pst w/ 67 BBLs out
				3	Plug down
					Release PSI OK.
					Plug RAT Hole w/ 30 SKS 60/40
					Plug Mouse Hole w/ 20 SKS 60/40
					washup Equip + RACK UP
2:15 AM					Job complete
					+ thanks Allen, Keenan, Lucas



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

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JAN 28 2011  
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FIELD SERVICE TICKET  
1718 02993 A

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

DATE OF JOB <b>12 15 -10</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. <b>4</b>							
CUSTOMER <b>FG Holl Co. LLC</b>		LEASE <b>Hanson Trust</b> WELL NO. <b>1-2</b>							
ADDRESS		COUNTY <b>Pawnee 2-20-16</b> STATE <b>KANSAS</b>							
CITY STATE		SERVICE CREW <b>A. Werth, Lucas, K. Lesley</b>							
AUTHORIZED BY		JOB TYPE <b>5/2 Long String</b> <b>CRW</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<b>28443 P.4</b>	<b>1</b>						<b>12-15-10</b>	<b>AM</b>	<b>3:00</b>
<b>19903-19905</b>	<b>1</b>					ARRIVED AT JOB	<b>12-16-10</b>	<b>AM</b>	<b>12:30</b>
<b>19832-19862</b>	<b>1</b>					START OPERATION	<b>12-16-10</b>	<b>PM</b>	<b>1:30</b>
						FINISH OPERATION	<b>12-16-10</b>	<b>PM</b>	<b>2:5</b>
						RELEASED		<b>AM</b>	
						MILES FROM STATION TO WELL	<b>65 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: Rob Long  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AA2 cement	SK	130		
CP103	60/40 Poz	SK	100		
CC102	cell FLAKE	lb	33		
CC105	De foamer (powder)	lb	31		
CC111	SALT FINE	lb	86		
CC115	GAS BLOK	lb	123		
CC129	FIA-322	lb	123		
CC201	Gilsonite	lb	1800		
CF607	Latch down Plug + Baffle 5/2 Blue	EA	1		
CF1251	Auto Fill Float Shoe 5/2 Blue	EA	1		
CF1651	Turbolizer 5/2 Blue	EA	10		
CF1901	5/2 Basket Blue	EA	1		
CF2002	cement Scratchers Rotating Type	EA	50		
CC164	super flush	gal	500		

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SUB TOTAL  
DL5

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Allen F. Ward THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Rob Long  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

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





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ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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Phone 620-672-1201

**KCC**  
JAN 28 2011  
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**FIELD SERVICE TICKET**  
1718 02994 A

DATE TICKET NO. 02993A

DATE OF JOB <u>12-15-10</u> DISTRICT <u>KANSAS</u>		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 <u>FG Holl Co LLC</u>		LEASE <u>HANSON TRUST</u> WELL NO. <u>1-2</u>				
ADDRESS		COUNTY <u>Pawnee 2-20-16</u> STATE <u>KANSAS</u>				
CITY STATE		SERVICE CREW <u>A. Werth, Lucas, K. Lester</u>				
AUTHORIZED BY		JOB TYPE: <u>5/2" Long String</u> <u>crew</u>				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>12-15-10</u> DATE <u>AM</u> TIME <u>200</u>
<u>28443</u>	<u>1</u>					ARRIVED AT JOB <u>12-15-10</u> DATE <u>AM</u> TIME <u>600</u>
<u>19903-19905</u>	<u>1</u>					START OPERATION <u>12-16-10</u> DATE <u>AM</u> TIME <u>1230</u>
<u>19832-19862</u>	<u>1</u>					FINISH OPERATION <u>2-16-10</u> DATE <u>AM</u> TIME <u>130</u>
						RELEASED <u>12-16-10</u> DATE <u>AM</u> TIME <u>215</u>
						MILES FROM STATION TO WELL <u>65 miles</u>

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

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SIGNED: [Signature]  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E100	unit mileage charge	m	65		
E101	Heavy Equip mileage	m	130		
E113	Bulk Delivery Charge	7m	879		
CE204	Depth Charge 3001-4000'	4-hrs	1		
CE240	Blending & mixing Service Chg.	SK	230		
CE501	Casing Swivel Rental	EA	1		
CE504	Plug container Utilization Chg.	Job	1		
5003	Service Supervisor first 8 hrs only	EA	1		

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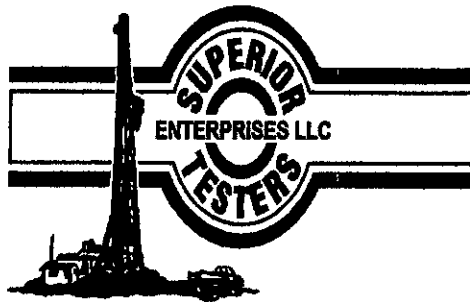
CHEMICAL / ACID DATA:			

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

DLS \$11,677.97

SERVICE REPRESENTATIVE Allen F. Werth THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

**2-20s-16w Pawnee**

**Hanson Trust #1-2**

Start Date: 2010.12.11 @ 06:50:00

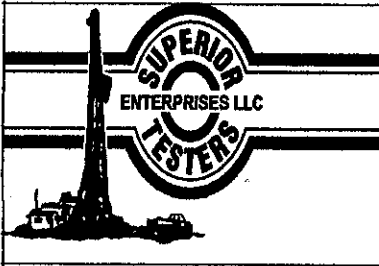
End Date: 2010.12.13 @ 21:17:28

Job Ticket #: 15748          DST #: 1

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

Printed: 2010.12.14 @ 12:39:40

F.G.Holl Company L.L.C.  
Hanson Trust #1-2  
2-20s-16w Pawnee  
DST #1  
Art #111  
2:11



# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

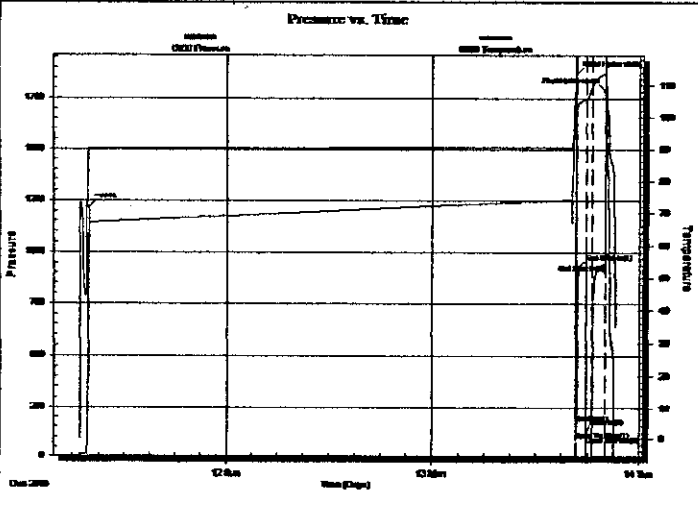
**Hanson Trust #1-2**  
**2-20s-16w Pawnee**  
 Job Ticket: 15748      **DST#: 1**  
 Test Start: 2010.12.11 @ 06:50:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock:                      ft (KB)  
 Time Tool Opened: 16:40:20  
 Time Test Ended: 21:17:28  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Gene Budig  
 Unit No: 3335-18  
 Interval: **3610.00 ft (KB) To 3665.00 ft (KB) (TVD)**  
 Total Depth: 3665.00 ft (KB) (TVD)  
 Reference Elevations: 1990.00 ft (KB)  
 1982.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 8.00 ft

**Serial #: 6666**      Inside  
 Press@RunDepth: 191.85 psia @ 3661.33 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2010.12.11      End Date: 2010.12.13      Last Calif.: 2010.12.11  
 Start Time: 06:51:25      End Time: 21:17:28      Time On Btm: 2010.12.13 @ 16:39:20  
 Time Off Btm: 2010.12.13 @ 20:00:20

**TEST COMMENT:** 1st Opening 5 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 5 minutes  
 1st Shut-in 60 Minutes-No blow back  
 2nd Opening 45 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 3 minutes  
 2nd Shut-in 90 Minutes-Good blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1215.11	90.22	-xxxx
3406	1870.09	101.29	Initial Hydro-static
3407	85.98	101.90	Open To Flow (1)
3412	169.84	103.27	Shut-in(1)
3473	954.12	105.88	End Shut-in(1)
3474	107.25	105.72	Open To Flow (2)
3517	191.85	109.76	Shut-in(2)
3605	944.16	113.76	End Shut-in(2)
3607	1785.21	112.94	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
2000.00	Gas in the pipe	28.05
50.00	Oil and Gas cut muddy water	0.70
0.00	30%Gas 30%Oil 16%Mud 24%Water	0.00
60.00	Oil and Gas cut muddy water	0.84
0.00	30%Gas 30%Oil 15%Mud 25%Water	0.00
60.00	Oil and Gas cut Muddy water	0.84

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

Hanson Trust #1-2  
 2-20s-16w Pawnee  
 Job Ticket: 15748      DST#: 1  
 Test Start: 2010.12.11 @ 06:50:00

### Tool Information

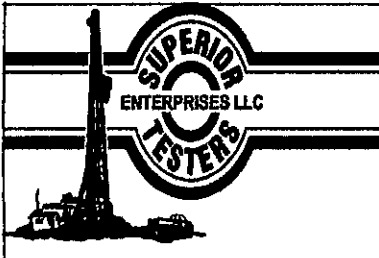
Drill Pipe:	Length: 3602.00 ft	Diameter: 3.80 inches	Volume: 50.53 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 49000.00 lb
			Total Volume: 50.53 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3610.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.33 ft			
Tool Length:	83.33 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in Tool	5.00			3587.00	
Hydrolic Tool	5.00			3592.00	
Jars	6.00			3598.00	
Safety Joint	2.00			3600.00	
Packer	5.00			3605.00	28.00      Bottom Of Top Packer
Packer	5.00			3610.00	
Perforations	9.00			3619.00	
Change Over Sub	0.75			3619.75	
Drill Pipe	31.83			3651.58	
Change Over Sub	0.75			3652.33	
Perforations	8.00			3660.33	
Recorder	1.00	6666	Inside	3661.33	
Recorder	1.00	6663	Outside	3662.33	
Bull Plug	3.00			3665.33	55.33      Bottom Packers & Anchor

**Total Tool Length: 83.33**



# DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

Hanson Trust #1-2  
 2-20s-16w Pawnee  
 Job Ticket: 15748      DST#: 1  
 Test Start: 2010.12.11 @ 06:50:00

## 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:	28000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.76 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.28 ohm.m	Gas Cushion Pressure: psia		
Salinity: 6200.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2000.00	Gas in the pipe	28.055
50.00	Oil and Gas cut muddy w ater	0.701
0.00	30%Gas 30%Oil 16%Mud 24%Water	0.000
60.00	Oil and Gas cut muddy w ater	0.842
0.00	30%Gas 30%Oil 15%Mud 25%Water	0.000
60.00	Oil and Gas cut Muddy w ater	0.842
0.00	35%Gas 35%Oil 10%Mud 20%Water	0.000
70.00	Oil and Gas cut muddy w ater	0.982
0.00	30%Gas 30%Oil 6%Mud 34%Water	0.000
50.00	Slightly oil and gas cut muddy w ater	0.701
0.00	6%Gas 4%Oil 40%Mud 50%Water	0.000
0.00	Chlorides 28000	0.000
0.00	Resistivity .28 @ 62 Degrees	0.000

Total Length: 2290.00 ft      Total Volume: 32.123 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

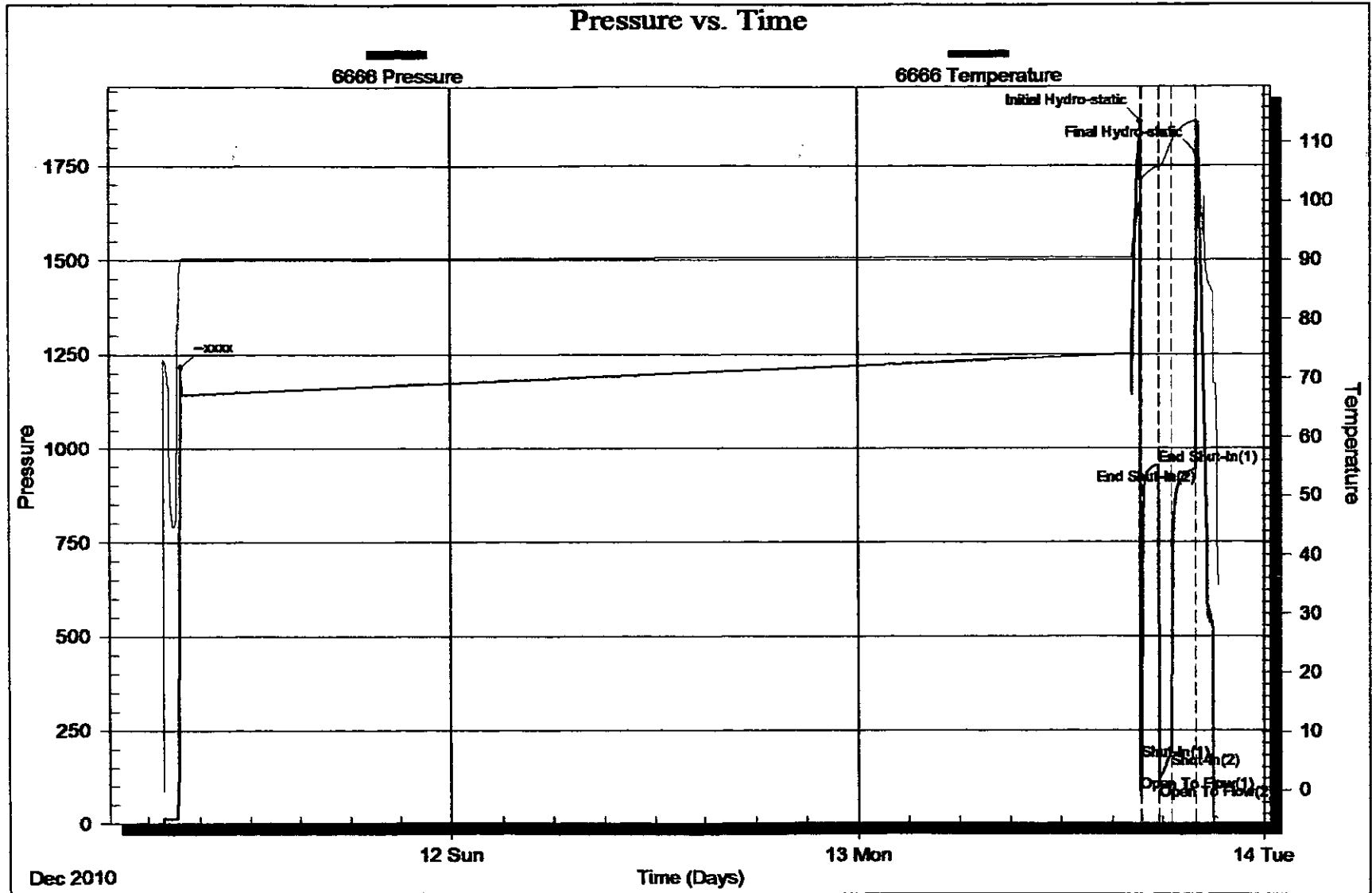
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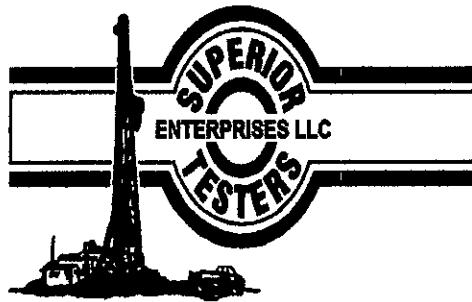
Inside

F.G.Holl Company L.L.C.

2-20s-16w Pawnee

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

**2-20s-16w Pawnee**

**Hanson Trust #1-2**

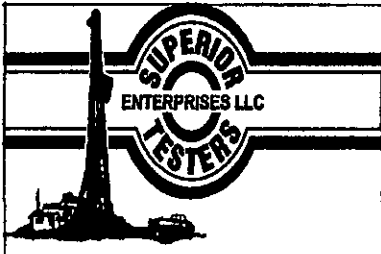
Start Date: 2010.12.11 @ 08:45:00

End Date: 2010.12.12 @ 00:00:00

Job Ticket #: 15749          DST #: 2

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

Printed: 2010.12.14 @ 12:39:27



# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

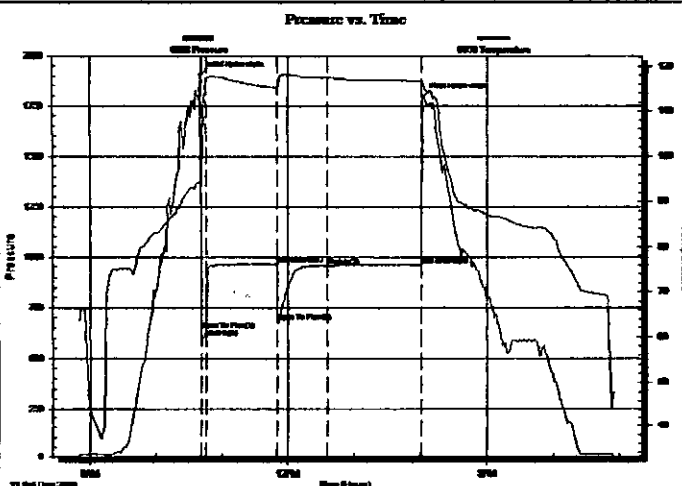
Hanson Trust #1-2  
 2-20s-16w Pawnee  
 Job Ticket: 15749 DST#: 2  
 Test Start: 2010.12.11 @ 08:45:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: **00:00:00**  
 Time Test Ended: **00:00:00**  
 Interval: **3671.00 ft (KB) To 3685.00 ft (KB) (TVD)**  
 Total Depth: **3685.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Straddle (Initial)**  
 Tester: **Gene Budig**  
 Unit No: **3335-18**  
 Reference Elevations: **1990.00 ft (KB)**  
**1982.00 ft (CF)**  
 KB to GR/CF: **8.00 ft**

Serial #: **6663** Inside  
 Press@RunDepth: **962.43 psia @ 3682.00 ft (KB)** Capacity: **5000.00 psia**  
 Start Date: **2010.12.11** End Date: **2010.12.11** Last Calib.: **2010.12.12**  
 Start Time: **08:50:05** End Time: **16:55:29** Time On Btm: **2010.12.11 @ 10:40:30**  
 Time Off Btm: **2010.12.11 @ 14:02:30**

TEST COMMENT: 1st Opening 5 Minutes-Good blow built to the bottom of a 5 gallon bucket in 1 minute  
 1st Shut-in 60 Minutes-Good blow back  
 2nd Opening 45 Minutes-Good blow built to the bottom of a 5 gallon bucket in 1 minute gas in 12 dead in 20 min.  
 2nd Shut-in 90 Minutes- no blow back

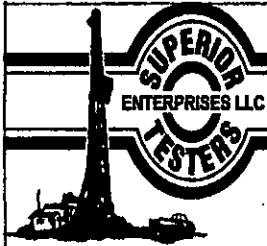


Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	1905.22	94.61	Initial Hydro-static
1	639.90	96.64	Open To Flow (1)
6	646.85	117.20	Shut-in(1)
71	965.04	115.26	End Shut-in(1)
71	681.89	115.15	Open To Flow (2)
116	957.21	117.43	Shut-in(2)
201	962.43	116.88	End Shut-in(2)
202	1793.60	116.82	Final Hydro-static

Length (ft)	Description	Volume (bbl)
120.00	Oil & Gas cut w atery mud	1.68
0.00	20%Gas 20%Oil 40%Mud 20%Water	0.00
120.00	Oil & Gas cut muddy w ater	1.68
0.00	20%Gas 15%Oil 35%Mud 30%Water	0.00
120.00	Oil & Gas cut muddy w ater	1.68
0.00	20%Gas 10%Oil 30%Mud 40%Water	0.00

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





# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

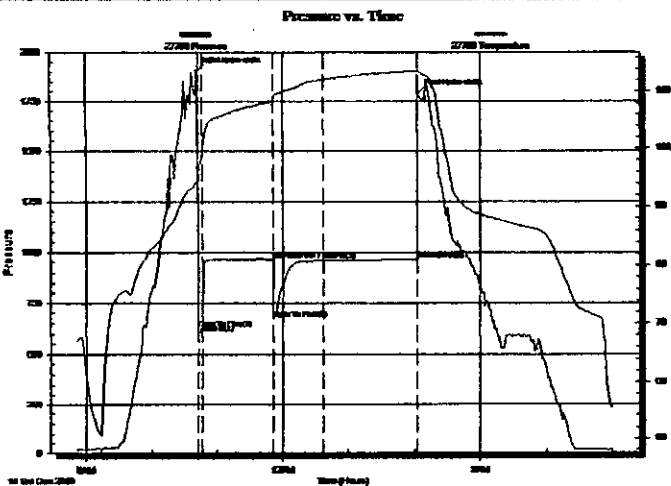
Hanson Trust #1-2  
 2-20s-16w Pawnee  
 Job Ticket: 15749      DST#: 2  
 Test Start: 2010.12.11 @ 08:45:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 00:00:00  
 Interval: **3671.00 ft (KB) To 3685.00 ft (KB) (TVD)**  
 Total Depth: **3685.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Straddle (Initial)**  
 Tester: **Gene Budig**  
 Unit No: **3335-18**  
 Reference Elevations: **1990.00 ft (KB)**  
**1982.00 ft (CF)**  
 KB to GR/CF: **8.00 ft**

Serial #: **27799** Outside  
 Press@RunDepth: **964.96 psia @ 3682.00 ft (KB)** Capacity: **5000.00 psia**  
 Start Date: **2010.12.11** End Date: **2010.12.11** Last Calib.: **2010.12.12**  
 Start Time: **08:51:30** End Time: **17:00:30** Time On Btm: **2010.12.11 @ 10:41:30**  
 Time Off Btm: **2010.12.11 @ 14:03:30**

TEST COMMENT: 1st Opening 5 Minutes-Good blow built to the bottom of a 5 gallon bucket in 1 minute  
 1st Shut-in 60 Minutes-Good blow back  
 2nd Opening 45 Minutes-Good blow built to the bottom of a 5 gallon bucket in 1 minute gas in 12 dead in 20 min.  
 2nd Shut-in 90 Minutes- no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1907.08	94.36	Initial Hydro-static
1	628.36	95.20	Open To Flow (1)
5	645.88	100.19	Shut-in(1)
70	968.81	108.31	End Shut-in(1)
71	675.96	108.34	Open To Flow (2)
116	960.79	112.13	Shut-in(2)
201	964.96	113.76	End Shut-in(2)
202	1791.96	113.88	Final Hydro-static

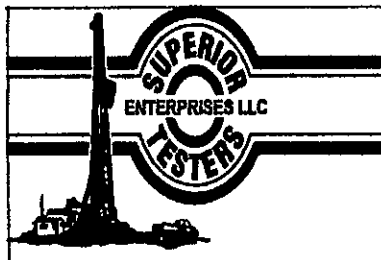
## Recovery

Length (ft)	Description	Volume (bbl)
120.00	Oil & Gas cut w atery mud	1.68
0.00	20%Gas 20%Oil 40%Mud 20%Water	0.00
120.00	Oil & Gas cut muddy w water	1.68
0.00	20%Gas 15%Oil 35%Mud 30%Water	0.00
120.00	Oil & Gas cut muddy w water	1.68
0.00	20%Gas 10%Oil 30%Mud 40%Water	0.00

## Gas Rates

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





# DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

Hanson Trust #1-2  
 2-20s-16w Pawnee  
 Job Ticket: 15749      DST#: 2  
 Test Start: 2010.12.11 @ 08:45:00

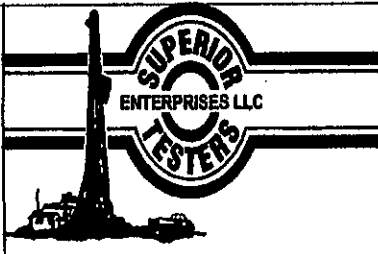
### Tool Information

Drill Pipe:	Length: 3662.00 ft	Diameter: 3.80 inches	Volume: 51.37 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 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: 49000.00 lb
			<b>Total Volume: 51.37 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3671.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	3686.00 ft			
Interval between Packers:	15.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3653.00	
Hydrolic Tool	5.00			3658.00	
Jars	6.00			3664.00	
Safety Joint	2.00			3666.00	
Packer	5.00			3671.00	23.00      Bottom Of Top Packer
Perforations	9.00			3680.00	
Recorder	1.00	6666	Inside	3681.00	
Recorder	1.00	6663	Inside	3682.00	
Recorder	1.00	93335	Outside	3683.00	
Bull Plug	3.00			3686.00	15.00      Anchor Tool
<b>Total Tool Length:</b>	<b>38.00</b>				



# DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

Hanson Trust #1-2  
 2-20s-16w Pawnee  
 Job Ticket: 15749      DST#: 2  
 Test Start: 2010.12.11 @ 08:45:00

## Mud and Cushion Information

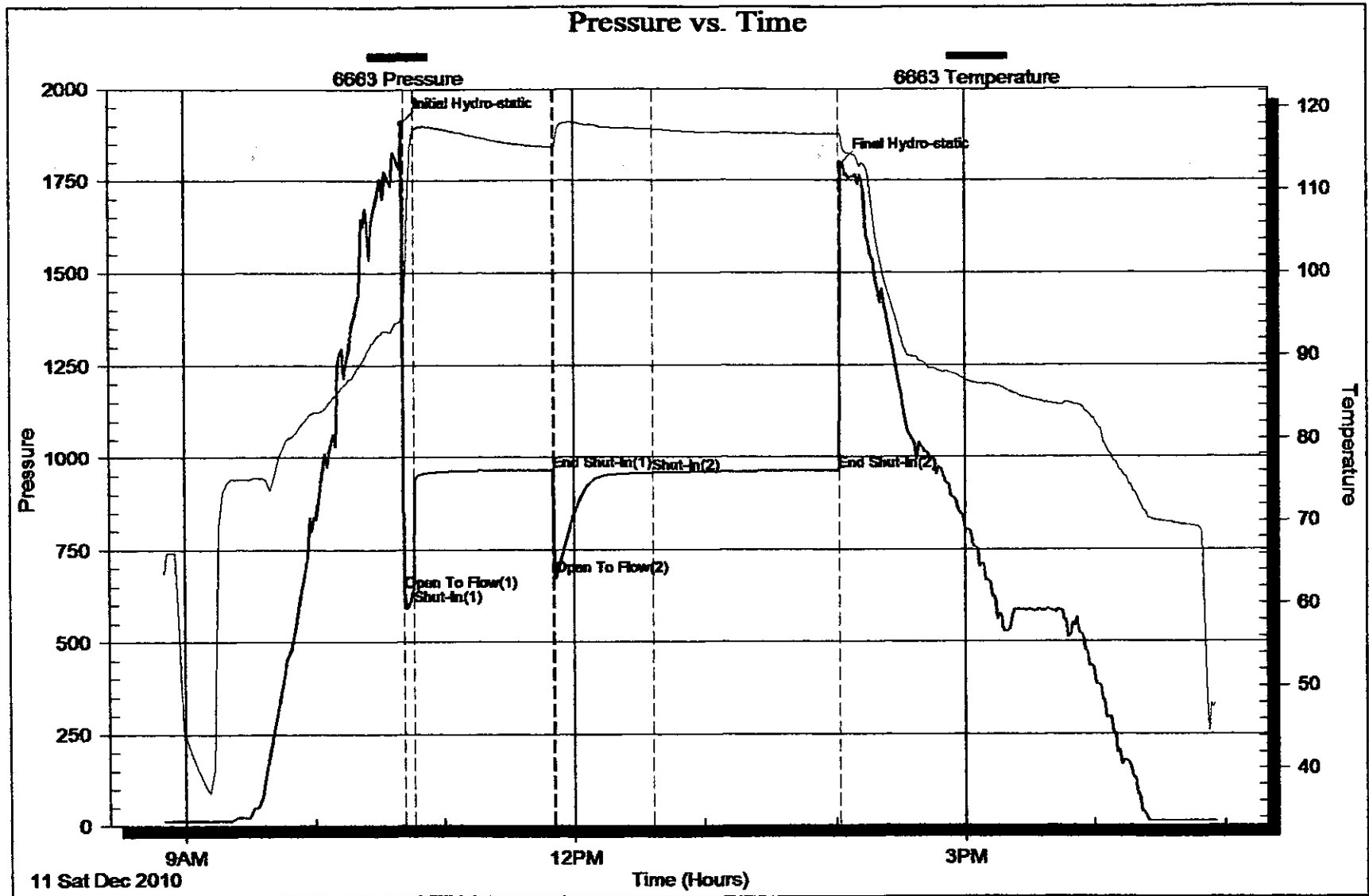
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 62000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Oil & Gas cut watery mud	1.683
0.00	20%Gas 20%Oil 40%Mud 20%Water	0.000
120.00	Oil & Gas cut muddy water	1.683
0.00	20%Gas 15%Oil 35%Mud 30%Water	0.000
120.00	Oil & Gas cut muddy water	1.683
0.00	20%Gas 10%Oil 30%Mud 40%Water	0.000
120.00	Oil & Gas cut muddy water	1.683
0.00	10%Gas 10%Oil 10%Mud 70%Water	0.000
120.00	Very slightly gas oil & mud cut water	1.683
0.00	5%Gas 3%Oil %Mud 86%Water	0.000
120.00	Very slightly gas oil & mud cut water	1.683
0.00	4%Gas 2%Oil 3%Mud 91%Water	0.000
480.00	water with a show of oil and gas	6.733
0.00	1%Gas 1%Oil 98%Water	0.000
1000.00	Water 100% Water	14.027
0.00	Chlorides 26000	0.000
0.00	Resitivity .4 @ 44 Degrees	0.000

Total Length: 2200.00 ft      Total Volume: 30.858 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

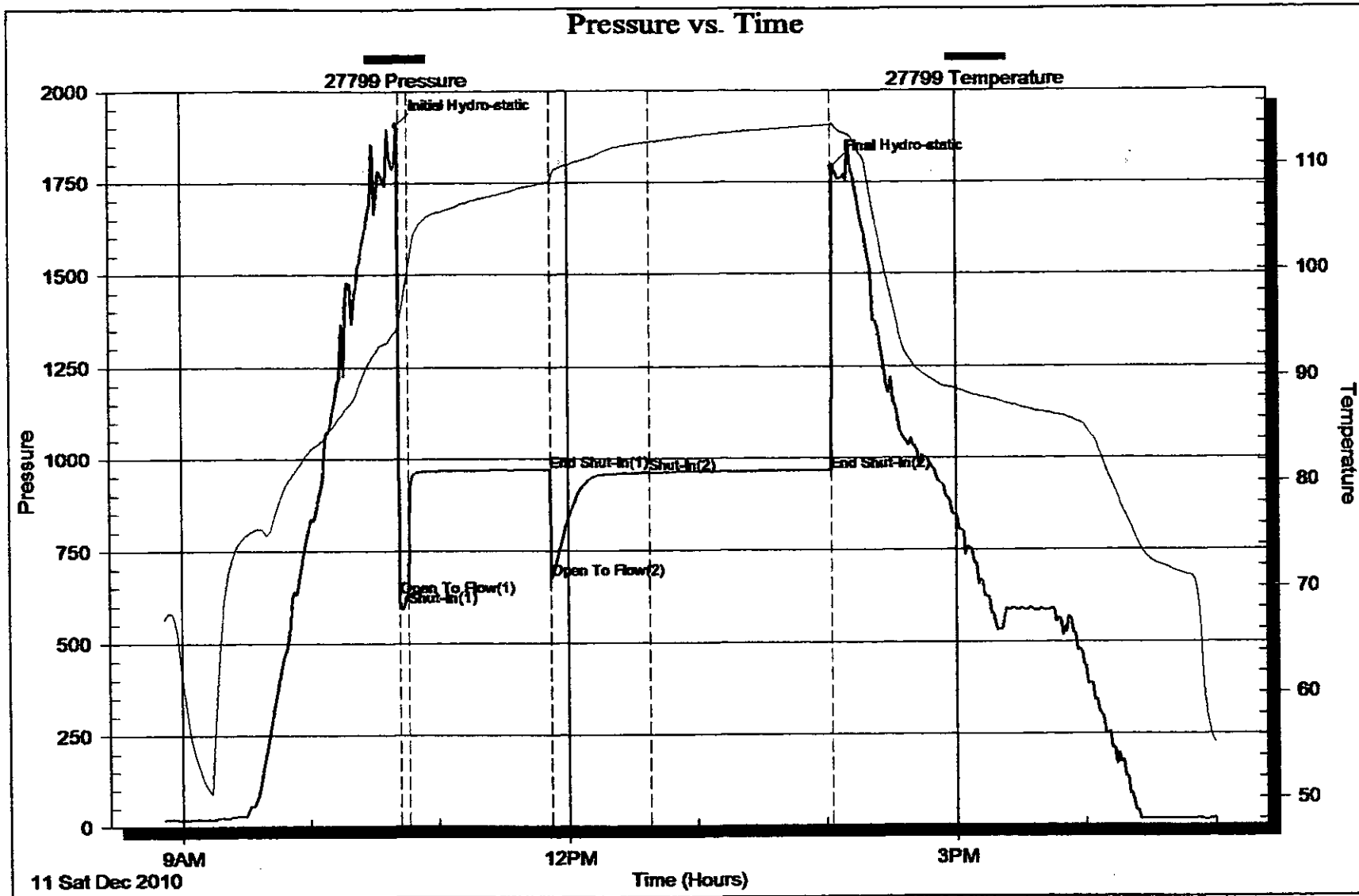


Serial #: 27799

Outside F.G.Holl Company L.L.C.

2-20s-16w Pawnee

DST Test Number: 2

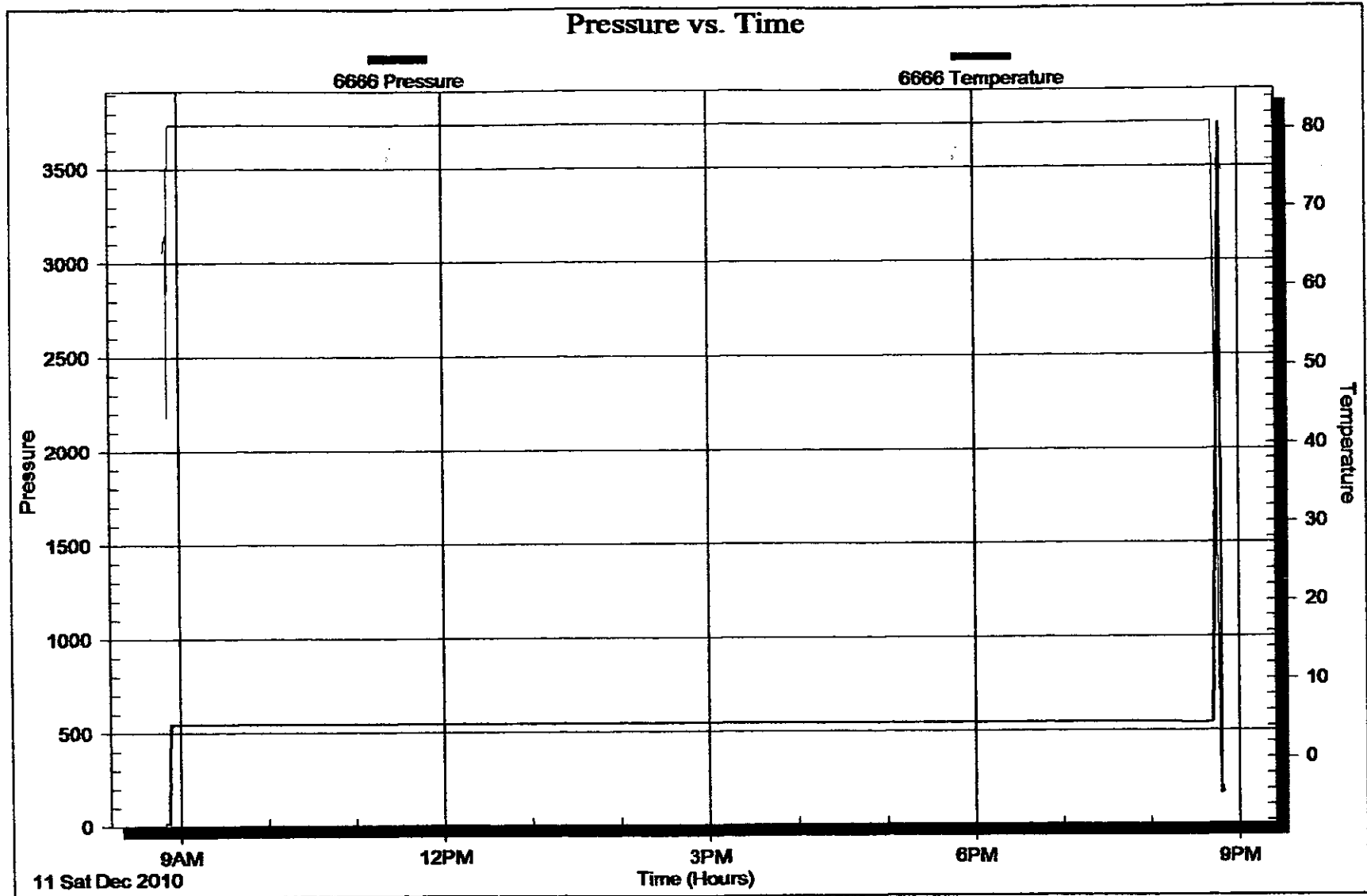


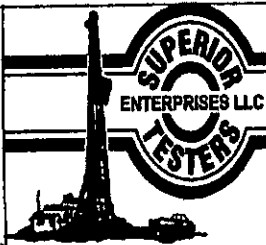
Serial #: 6666

Inside F.G.Holl Company L.L.C.

2-20s-16w Pawnee

DST Test Number: 2





# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.

Hanson Trust #1-2

9431 East Central Suite 100  
Wichita, Kansas 67206-2563

2-20s-16w Pawnee

Job Ticket: 15750

DST#: 3

ATTN: Ryan Greenbaum

Test Start: 2010.12.12 @ 11:45:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Gene Budj**

Unit No: **3335-18**

Interval: **3686.00 ft (KB) To 3700.00 ft (KB) (TVD)**

Total Depth: **3700.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1990.00 ft (KB)**

**1982.00 ft (CF)**

KB to GR/CF: **8.00 ft**

Serial #: **6666**

Inside

Press@RunDepth: **844.44 psia @ 3696.00 ft (KB)**

Start Date: **2010.12.12**

End Date:

**2010.12.12**

Capacity: **5000.00 psia**

Last Calib.: **2010.12.12**

Start Time: **11:45:01**

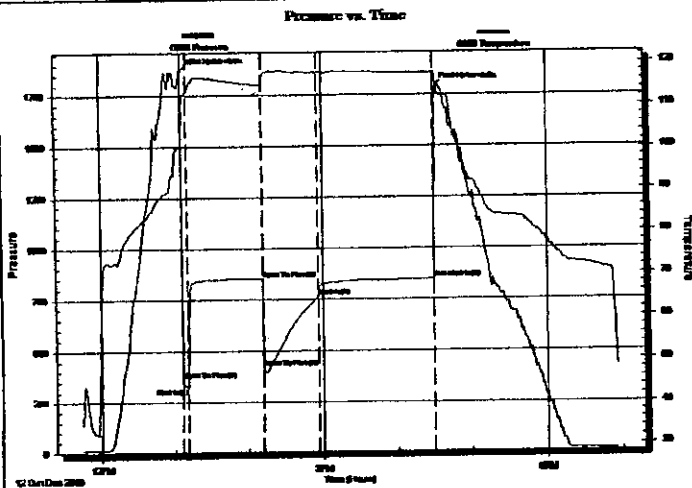
End Time:

**18:57:00**

Time On Btm: **2010.12.12 @ 13:05:00**

Time Off Btm: **2010.12.12 @ 16:30:00**

TEST COMMENT: 1st Opening 5 Minutes-Strong blow with gas to surface in 4 minutes  
1st Shut-in 60 Minutes-Good blow back  
2nd Opening 45 Minutes-Strong blow-See gas rate  
2nd Shut-in 90 Minutes-Good blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1866.64	100.24	Initial Hydro-static
1	363.91	102.22	Open To Flow (1)
6	328.03	113.12	Shut-in(1)
66	849.25	114.70	Open To Flow (2)
67	417.73	116.08	Open To Flow (3)
111	760.43	117.63	Shut-in(2)
205	844.44	117.35	End Shut-in(1)
205	1785.51	117.60	Final Hydro-static

## Recovery

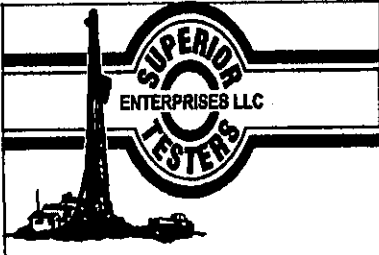
Length (ft)	Description	Volume (bbl)
120.00	Oil & Gas cut muddy w water	1.68
0.00	30%Gas 10%Oil 15%Mud 45%Water	0.00
120.00	Muddy Gassy Frothy Oil no grind out	1.68
120.00	Oil and gas cut muddy w water	1.68
0.00	5%Gas 5%Oil 5%Mud 85%Water	0.00
120.00	Oil & Gas and mud cut w water	1.68

## Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.75	4.65	72.63
Last Gas Rate	0.75	2.20	34.36
Max. Gas Rate	0.75	4.65	72.63







# DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

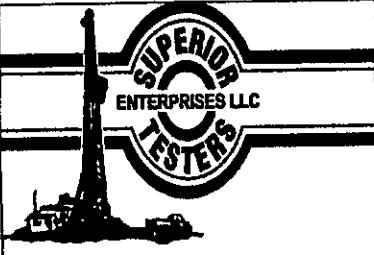
Hanson Trust #1-2  
 2-20s-16w Pawnee  
 Job Ticket: 15750      DST#: 3  
 Test Start: 2010.12.12 @ 11:45:00

### Tool Information

Drill Pipe:	Length: 3693.00 ft	Diameter: 3.80 inches	Volume: 51.80 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 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: 52000.00 lb
			<b>Total Volume: 51.80 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3686.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in Tool	5.00			3668.00	
Hydraulic Tool	5.00			3673.00	
Jars	6.00			3679.00	
Safety Joint	2.00			3681.00	
Packer	5.00			3686.00	23.00      Bottom Of Top Packer
Perforations	9.00			3695.00	
Recorder	1.00	6666	Inside	3696.00	
Recorder	1.00	93335	Outside	3697.00	
Bull Plug	3.00			3700.00	14.00      Anchor Tool
<b>Total Tool Length:</b>	<b>37.00</b>				



# DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

Hanson Trust #1-2  
 2-20s-16w Pawnee  
 Job Ticket: 15750      DST#: 3  
 Test Start: 2010.12.12 @ 11:45:00

## Mud and Cushion Information

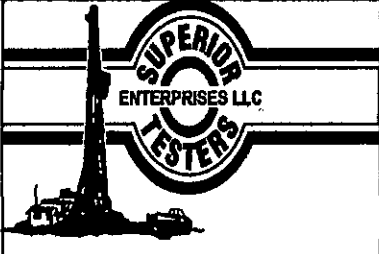
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 7000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Oil & Gas cut muddy w ater	1.683
0.00	30%Gas 10%Oil 15%Mud 45%Water	0.000
120.00	Muddy Gassy Frothy Oil no grind out	1.683
120.00	Oil and gas cut muddy w ater	1.683
0.00	5%Gas 5%Oil 5%Mud 85%Water	0.000
120.00	Oil & Gas and mud cut w ater	1.683
0.00	3%Gas 2%Oil 5%Mud 90%Water	0.000
120.00	Oil gas and mud cut w ater	1.683
0.00	2%Gas 1%oil 2%Mud 95%Water	0.000
870.00	Water Chlorides 26000	12.204
0.00	Resisitivity .3 @56 Degrees	0.000

Total Length: 1470.00 ft      Total Volume: 20.619 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



# DRILL STEM TEST REPORT

GAS RATES

F.G.Holl Company L.L.C.  
9431 East Central Suite 100  
Wichita, Kansas 67206-2563  
ATTN: Ryan Greenbaum

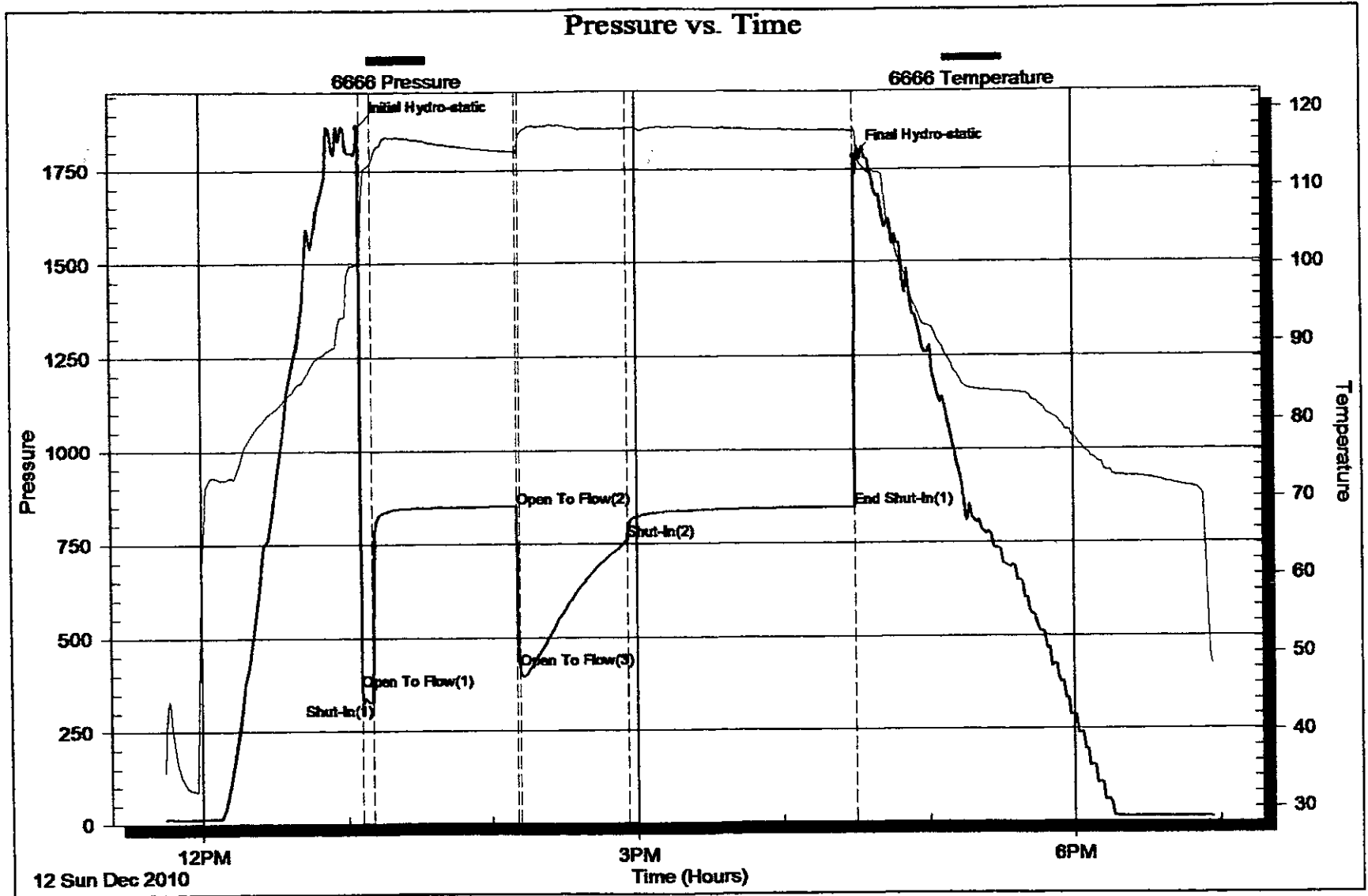
Hanson Trust #1-2  
2-20s-16w Pawnee  
Job Ticket: 15750      DST#: 3  
Test Start: 2010.12.12 @ 11:45:00

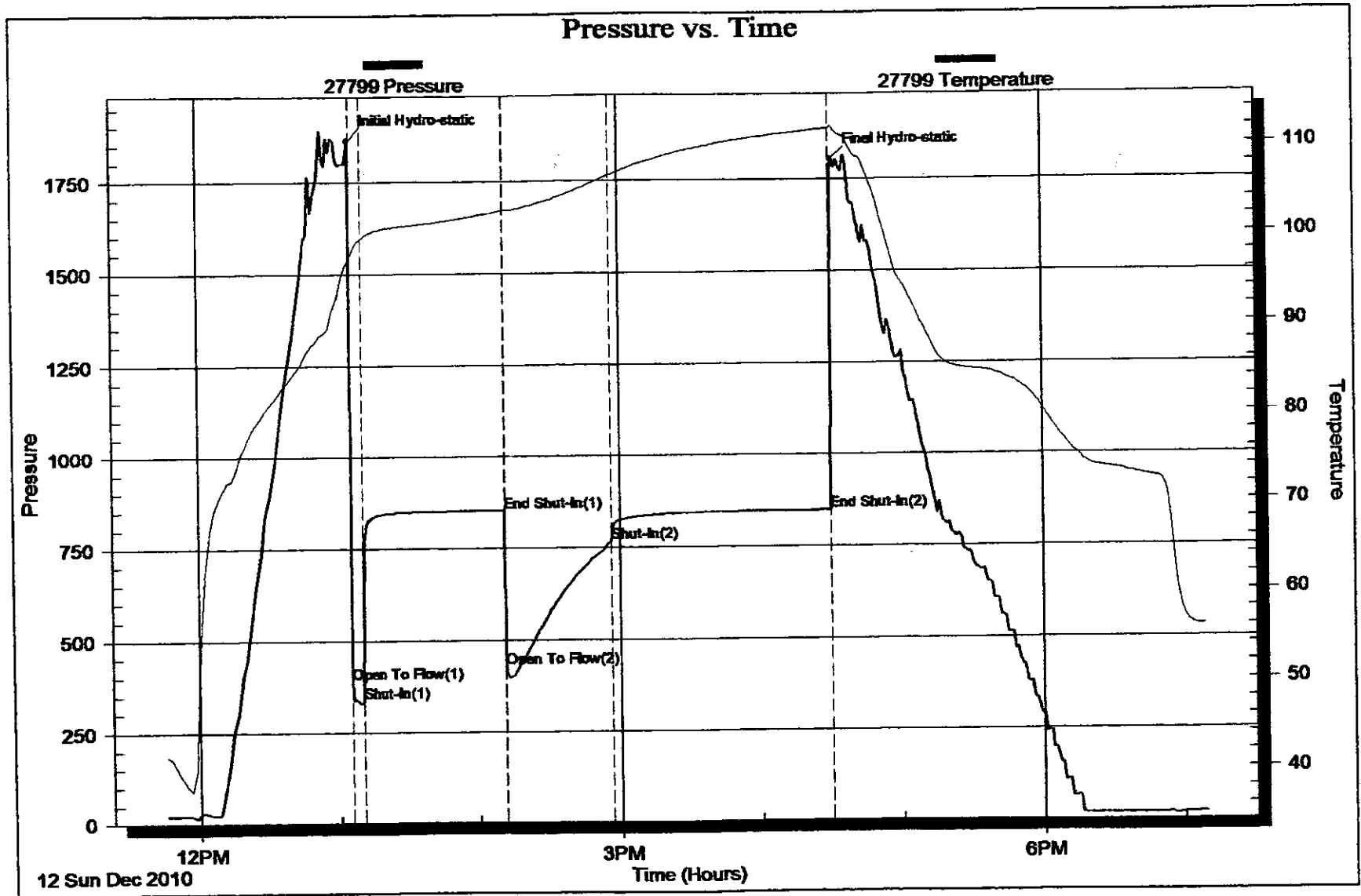
## Gas Rates Information

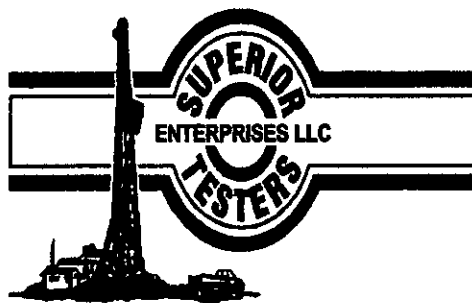
Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	10	0.75	4.65	72.63
2	20	0.75	4.65	72.63
2	30	0.75	3.60	56.23
2	40	0.75	2.20	34.36







## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

**2-20s-16w Pawnee**

**Hanson Trust #1-2**

Start Date: 2010.12.13 @ 04:30:00

End Date: 2010.12.13 @ 00:00:00

Job Ticket #: 15751                      DST #: 4

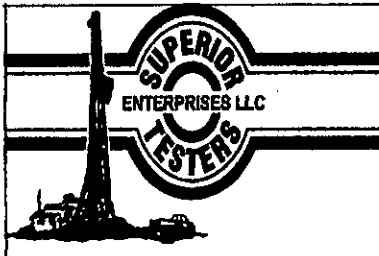
Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2010.12.14 @ 12:34:05

F.G.Holl Company L.L.C.      Hanson Trust #1-2      2-20s-16w Pawnee      DST # 4      Arbuckle      2010.12.13







# DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

Hanson Trust #1-2  
 2-20s-16w Pawnee  
 Job Ticket: 15751      DST#: 4  
 Test Start: 2010.12.13 @ 04:30:00

## Tool Information

Drill Pipe:	Length: 3701.00 ft	Diameter: 3.80 inches	Volume: 51.92 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 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: 48000.00 lb
			<u>Total Volume: 51.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3699.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3681.00	
Hydraulic Tool	5.00			3686.00	
Jars	6.00			3692.00	
Safety Joint	2.00			3694.00	
Packer	5.00			3699.00	23.00      Bottom Of Top Packer
Perforations	14.00			3713.00	
Recorder	1.00	93335	Inside	3714.00	
Recorder	1.00	6663	Outside	3715.00	
Bull Plug	3.00			3718.00	19.00      Anchor Tool
<b>Total Tool Length:</b>	<b>42.00</b>				



# DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

Hanson Trust #1-2  
 2-20s-16w Pawnee  
 Job Ticket: 15751      DST#: 4  
 Test Start: 2010.12.13 @ 04:30:00

## Mud and Cushion Information

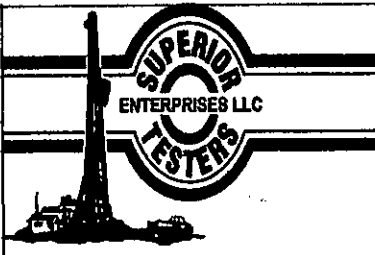
Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 18000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psia	
Salinity: 7000.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	Slightly Oil Cut gassy mud	1.052
0.00	35%Gas 5%Oil 50%Mud 10%Water	0.000
120.00	Gassy Oil 40%Gas 60% Oil	1.683
120.00	Slightly mud cut gassy oil	1.683
0.00	45%Gas 50% Oil 5% mus	0.000
120.00	Gas and oil cut w ater	1.683
0.00	10%Gas 10%Oil 4%Mud 76%Water	0.000
615.00	Water chlorides 18000	8.627
0.00	Resisitivity .3@56 Degrees	0.000
0.00	Gravity 39000	0.000

Total Length: 1050.00 ft      Total Volume: 14.728 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



# DRILL STEM TEST REPORT

**GAS RATES**

F.G.Holl Company L.L.C.  
9431 East Central Suite 100  
Wichita, Kansas 67206-2563  
ATTN: Ryan Greenbaum

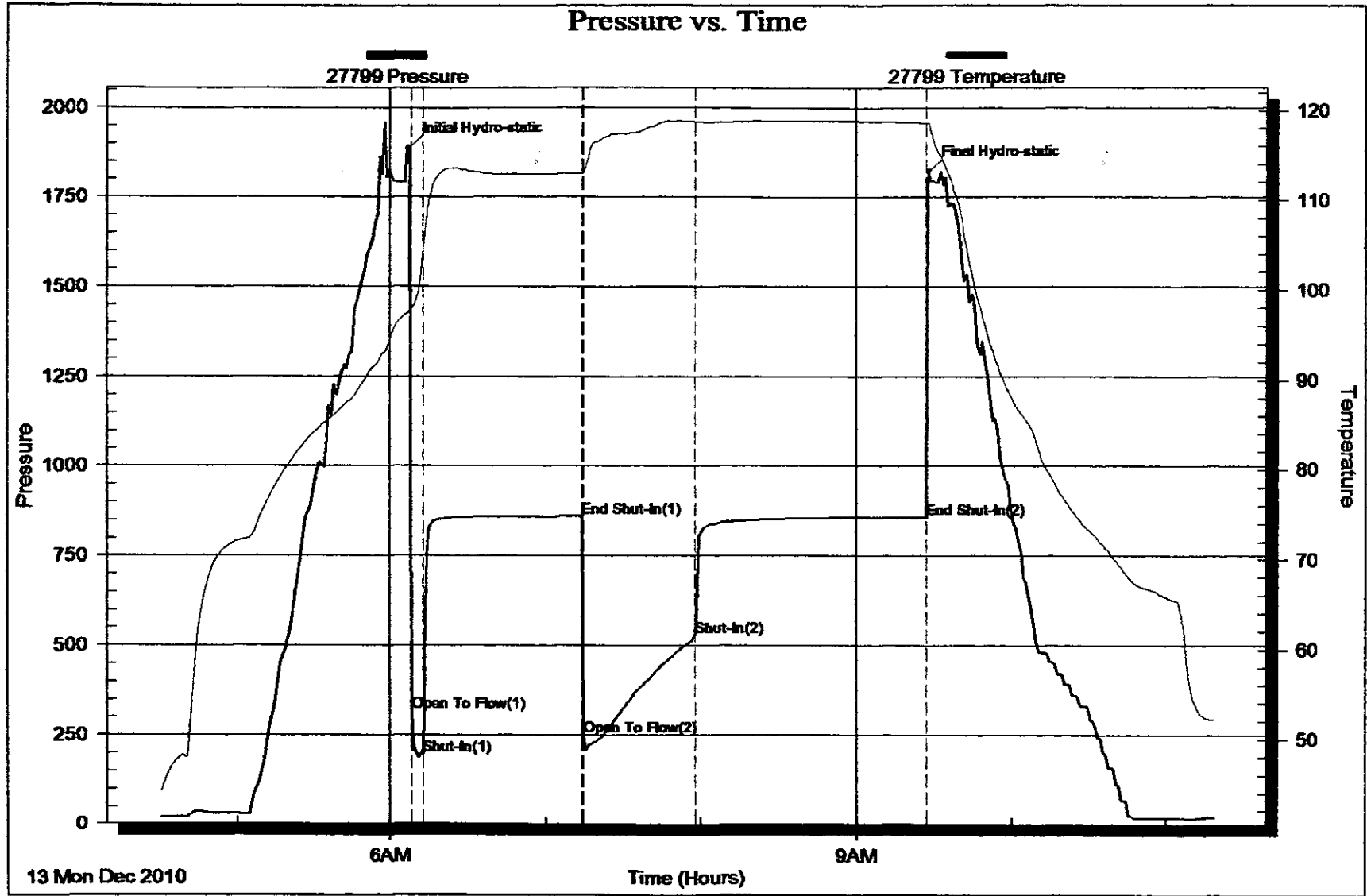
**Hanson Trust #1-2**  
**2-20s-16w Pawnee**  
Job Ticket: 15751      DST#: 4  
Test Start: 2010.12.13 @ 04:30:00

## Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	10	1.00	2.85	81.93
2	20	1.00	2.40	69.00
2	30	1.00	2.20	63.25
2	40	1.00	2.20	63.25





## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100  
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

**2-20s-16w Pawnee**

**Hanson Trust #1-2**

Start Date: 2010.07.30 @ 07:30:00

End Date: 2010.12.13 @ 00:00:00

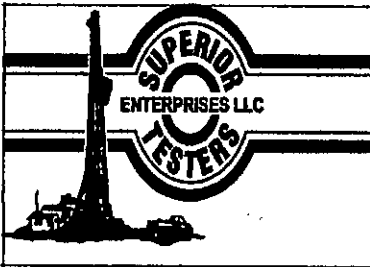
Job Ticket #: 15752                      DST #: 5

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

Printed: 2010.12.14 @ 12:33:02

F.G.Holl Company L.L.C.      Hanson Trust #1-2      2-20s-16w Pawnee      DST # 5      Arduckle      2010.07.30





# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

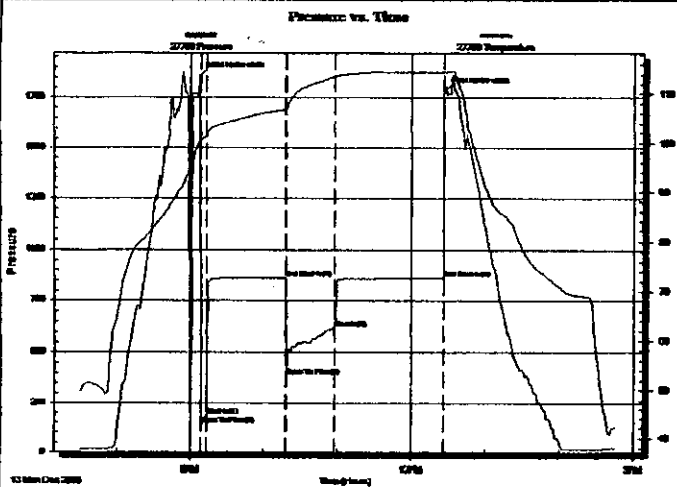
Hanson Trust #1-2  
 2-20s-16w Pawnee  
 Job Ticket: 15752 DST#: 5  
 Test Start: 2010.07.30 @ 07:30:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: **00:00:00**  
 Time Test Ended: **00:00:00**  
 Interval: **3719.00 ft (KB) To 3730.00 ft (KB) (TVD)**  
 Total Depth: **3730.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Gene Budig**  
 Unit No: **3335-18**  
 Reference Elevations: **1990.00 ft (KB)**  
**1982.00 ft (CF)**  
 KB to GR/CF: **8.00 ft**

**Serial #: 27799** inside  
 Press@RunDepth: **863.22 psia @ 3726.00 ft (KB)** Capacity: **5000.00 psia**  
 Start Date: **2010.12.13** End Date: **2010.12.13** Last Calib.: **2010.12.14**  
 Start Time: **07:30:30** End Time: **14:46:00** Time On Btm: **2010.12.13 @ 09:08:00**  
 Time Off Btm: **2010.12.13 @ 12:27:00**

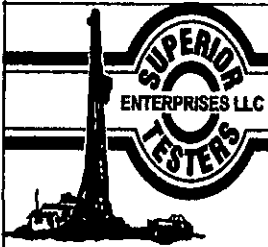
**TEST COMMENT:** 1st Opening 5 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 2 minutes  
 1st Shut-in 60 Minutes-Fair blow back  
 2nd Opening 45 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 6 minutes  
 2nd Shut-in 90 Minutes-Fair blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1857.24	100.34	Initial Hydro-static
1	138.46	100.59	Open To Flow (1)
5	183.39	101.44	Shut-in(1)
70	864.63	106.83	End Shut-in(1)
71	383.21	106.84	Open To Flow (2)
110	615.56	113.58	Shut-in(2)
198	863.22	114.51	End Shut-in(2)
199	1783.63	114.53	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
850.00	Gas in the pipe	11.92
120.00	Drilling mud	1.88
60.00	Muddy water 35%Mud 65%Water	0.84
60.00	Muddy water 15%Mud 85%Water	0.84
810.00	Water Chlorides 21000	11.36
0.00	Resisitivity ..24@ 68 degrees	0.00

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company L.L.C.

Hanson Trust #1-2

9431 East Central Suite 100  
Wichita, Kansas 67206-2563

2-20s-16w Pawnee

Job Ticket: 15752

DST#: 5

ATTN: Ryan Greenbaum

Test Start: 2010.07.30 @ 07:30:00

## Tool Information

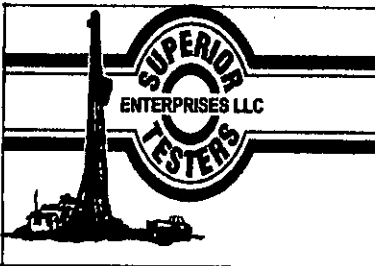
Drill Pipe:	Length: 3735.00 ft	Diameter: 3.80 inches	Volume: 52.39 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 49000.00 lb
			<b>Total Volume: 52.39 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3719.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	26.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		
Tool Comments:				

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3709.00	
Hydraulic Tool	5.00			3714.00	
Packer	5.00			3719.00	15.00 Bottom Of Top Packer
Perforations	6.00			3725.00	
Recorder	1.00	93335	Inside	3726.00	
Recorder	1.00	6663	Outside	3727.00	
Bull Plug	3.00			3730.00	11.00 Anchor Tool

**Total Tool Length: 26.00**





# DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company L.L.C.

Hanson Trust #1-2

9431 East Central Suite 100  
Wichita, Kansas 67206-2563

2-20s-16w Pawnee

Job Ticket: 15752

DST#: 5

ATTN: Ryan Greenbaum

Test Start: 2010.07.30 @ 07:30:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 9.99 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 6700.00 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: ppm

deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
850.00	Gas in the pipe	11.923
120.00	Drilling mud	1.683
60.00	Muddy water 35%Mud 65%Water	0.842
60.00	Muddy water 15%Mud 85%Water	0.842
810.00	Water Chlorides 21000	11.362
0.00	Resistivity .24@ 68 degrees	0.000

Total Length: 1900.00 ft      Total Volume: 26.652 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

