

6/11/12
ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

CONFIDENTIAL

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

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

OPERATOR: License # 5056
Name: F.G. Holl Company, LLC
Address 1: 9431 E. Central - Suite 100
Address 2: _____
City: Wichita State: KS Zip: 67206 + _____
Contact Person: Franklin R. Greenbaum
Phone: (316) 684-8481
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Rene Husted
Purchaser: _____

KCC
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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
(Corr., WSW, Expl., Cathodic, 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: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____
04-23-10 05-03-10 05/03/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 185-23622-00-00
Spot Description: 97' East & 150' South of
S/2 NE SW Sec. 33 Twp. 23 S. R. 14 East West
1500 Feet from North / South Line of Section
2077 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Stafford County, Kansas
Lease Name: WATERS Well #: 1
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 1971' Kelly Bushing: 1979'
Total Depth: 4200' Plug Back Total Depth: None
Amount of Surface Pipe Set and Cemented at: 474 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 PANS 64870
(Data must be collected from the Reserve Pit)
Chloride content: 44,000 ppm Fluid volume: 500 bbls
Dewatering method used: Hauled free fluids to SWD
Location of fluid disposal if hauled offsite:
Operator Name: Gee Oil Service
Lease Name: Rogers #1-34 License No.: 34260
Quarter NW Sec. 34 Twp. 23 S. R. 13 East West
County: Stafford Docket No.: D
API: 15-185-22015-0000

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.

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.
Signature: Loveness Mpanje
Title: Petroleum Geologist Date: 05/10/2010
Subscribed and sworn to before me this 10th day of May 2010
20 State of Kansas; Sedgwick County
Notary Public: Betty H. Spotswood
Date Commission Expires: 04/30/2014

Notary Public - State of Kansas
BETTY H. SPOTSWOOD
My Appointment Expires 4/30/2014

KCC Office Use ONLY
 Letter of Confidentiality Received 6/11/10
 If Denied, Yes No Date: _____
 Wireline Log Received
 Geologist Report Received JUN 11 2010
 UIC Distribution
RECEIVED
CONSERVATION COMMISSION
WICHITA, KS

Operator Name: F.G. Holl Company, LLC Lease Name: WATERS Well #: 1
 Sec. 33 Twp. 23 S. R. 14 East West County: Stafford County, Kansas

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 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 <i>(Submit Copy)</i> List All E. Logs Run: ML/CDL/CNL <i>mg</i> CPIL/BHCS DIL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name _____ Top _____ Datum _____ See attachment
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CASING RECORD <input checked="" 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"	23#	474'	Common	300	3%cc 2%gel

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr. Dry hole	Producing Method: <input type="checkbox"/> Flowing <input 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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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WATERS #1-25
STAFFORD COUNTY, KANSAS

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Formation	Sample	Datum	E-Log	Datum
Anhydrite			900	+1079
Herrington	1940	+39	1975	+4
Winfield	1990	-11	2031	-52
Towanda	2054	-75	2093	-114
Fort Riley	2092	-113	2130	-151
B/Florence	2225	-246	2226	-247
Kinney Ls			2240	-261
Wrefold			2273	-294
Council Grove	2304	-325	2303	-324
Crouse			2342	-363
Neva			2487	-508
Red Eagle	2560	-581	2558	-579
Onaga Shale			2726	-747
Wabaunsee			2750	-771
Root Shale			2819	-840
Stotler	2874	-895	2873	-894
Tarkio	2934	-955	2934	-955
Howard			3085	-1106
Severy Shale			3181	-1202
Topeka			3185	-1206
Heebner			3478	-1499
Toronto			3499	-1520
Douglas Sh.			3516	-1537
Brown lime			3618	-1639
LKC			3632	-1653
BKC			3904	-1925
Viola Ls			4006	-2027
Viola Chert			4014	-2035
Conglomerate			3955	-1976
Arbuckle			4106	-2127
RTD	4200		4200	-2221

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JUN 11 . . .

CONSERVATION DIVISION
WICHITA, KS

BASIC

energy services, L.P.

KCC
JUN 11 2010

TREATMENT REPORT

CONFIDENTIAL

Customer <i>F. G. [unclear]</i>	Lease No.	Date <i>4/23/10</i>
Well <i>1851</i>	Well #	
Station <i>PRATT KS</i>	Casing <i>8 5/8</i>	Depth <i>436</i>
Type Job <i>CNW</i>	Formation <i>8 5/8 SURFACE</i>	Legal Description <i>33-235-146</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<i>8 5/8</i>				<i>300 SKS COMMON</i>				
Depth <i>478</i>	Depth	From	To	Pre Pad <i>210 BENITOL GEL</i>	Max			5 Min.
Volume <i>303</i>	Volume	From	To	Pad <i>510 [unclear] LIQUID</i>				10 Min.
Max Press	Max Press	From	To	Frac <i>125 #14' CELL FRAC</i>	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure <i>2020</i>
Plug Depth <i>453</i>	Packer Depth	From	To	Flush <i>H2O</i>	Gas Volume			Total Load

Customer Representative <i>JOHN</i>	Station Manager <i>D. SCOTT</i>	Treater <i>M. MCGUIRE</i>
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Service Units <i>19870</i>	<i>19903</i>	<i>19905</i>	<i>19832</i>	<i>20000</i>
Operator Names <i>M. MCGUIRE</i>	<i>M. MCGUIRE</i>	<i>M. MCGUIRE</i>	<i>M. MCGUIRE</i>	<i>M. MCGUIRE</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1630</i>					<i>ON LOCATION / SAFETY RATE RIG UP</i>
					<i>RECEIVED KANSAS CORPORATION COMMISSION</i>
<i>1830</i>					<i>JUN 11 2010 WAIT ON RIG TO TD RIG TO RUN 11 INTS 8 5/8 HOOK UP TO RIG TO CIRCULATE</i>
					<i>CONSERVATION DIVISION WICHITA, KS</i>
<i>1925</i>					<i>HOOK UP TO P1</i>
<i>1930</i>				<i>65</i>	<i>MAX 300 SKS @ 45" CIRCULATE TO PIT</i>
<i>1946</i>			<i>755</i>		<i>SHUT DOWN RELEASE PLUG</i>
<i>1948</i>				<i>55</i>	<i>START DISPLACEMENT CEMENT TO PIT</i>
<i>1955</i>	<i>350</i>		<i>29</i>		<i>PLUG DOWN SHUT DOWN</i>
<i>1959</i>					<i>WELL UP AT RIG DOWN</i>
					<i>JOB COMPLETE THANK YOU</i>

Mud-Co / Service Mud Inc.

CONFIDENTIAL
 JUN 11 2010
 M-CO

Operator **FG Holl** County **Stafford** State **Kansas** Pump **6** X **14** X **60** SPM
 Well **Waters #1-30** Location _____ GPM _____ **7.75** BPM
 Contractor **Duke #2** Sec **33** TWP **23S** RNG **14W** D.P. **4.5** in. **191** FT/MIN R.A.
 Stockpoint **Pratt, Ks.** Date **4/22/2010** Engineer **Jason Whiting** Collar **6.25** in. **495** ft. **348** FT/MIN R.A.
 Drilling Program **8 5/8** " @ **474** ft.
 _____ " @ _____ ft.
 _____ " @ _____ ft.
 Total Depth **4200'** ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY			GELS 10 sec / 10 min.	pH	FILTRATION/ILTRATION ANALYSIS					SAND %	RETORT			L.C.M.	Pump Press. PSI	CUMULATIVE COST	REMARKS AND TREATMENT
			Sec API @ F	PV @ F	Yp			ml API	Cake 32nds	Pres. #BBL	Cl ppm	Ca ppm		Solids %	Oil %	Water %				
4/22	0																		RURT	
4/24	1200	8.8	28				7.0	N/C				5,200	Hvy	3.3		96.7			Drig.	
4/25	2401	9.3	42	10	13	12/39	7.5	16.0	2			81m	2,200	2.2		97.8			Drig. Displaced @ 1800' w/	
4/26	2941	8.8	50	12	16	12/39	10.5	10.4	1			7,700	20	3.2		96.8			TIH w/ DST 1 Starch	
4/27	3246	9.2	50	14	15	24/53	10.5	8.8	1			7,000	60	6.0		94.0			Drig. Displaced @ 2755' w/	
4/28	3656	9.4	53	12	19	31/60	11.0	10.0	1			6,400	40	7.5		92.5			CFS Chemical	
4/29	3833	9.3	57	14	15	26/60	10.5	10.4	1			6,100	40	6.8		93.2			TO w/Bit DST #1 @ 2941'	
4/30	3919	9.3	54	15	17	22/74	11.0	9.6	1			7,200	40	6.7		93.3			Drig. DST #2 @ 3813	
5/1	4021	9.1	62	15	17	22/68	10.0	10.2	1			7,600	40	5.3		94.7			Pump Repairs DST #3 @ 3833	
5/2	4080	9.2	64	16	17	17/52	11.0	9.2	1			7,200	20	6.0		94.0			DST #7 DST #4 @ 3870	
5/3	4169	9.3	46	12	15	20/42	9.5	10.2	1			9,800	40	6.5		93.5	1		Drig. DST #5 @ 4018	
5/4	4200																		Final: Pulled packer off on DST 5	
																			LTD - 4200'. DST #6 @ 4037	
																			8 DST's. DST #8 @ 4120	
																			Logs Ok. Lost 160 bbls at 4200'	
																			Plugged Well. while circ for log	
																			Reserve Pit, Chl content ppm: 44,000	
																			Estimated Volume: 500 bbls of free fluids	

MUD-CO / SERVICE MUD INC.
 100 S. Main Suite #310
 Wichita, Ks. 67202
 318/264-2814 Fax: 318/264-5024

DRILLING MUD RECAP

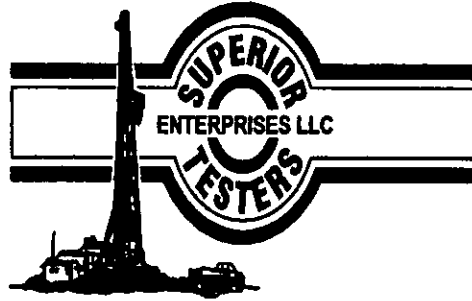
Materials	Sacks	Amount
C/S HULLS	91	
CAUSTIC SODA	25	
DRILL PAK	8	
LIME	3	
PREMIUM GEL	426	
SALT CLAY	46	
SODA ASH	25	
STARCH	55	
SUPER LIG	17	

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 KANSAS CORPORATION COMMISSION

 JUN 11 2010

 CONSERVATION DIVISION
 WICHITA, KS

Total Mud Cost	
Trucking Cost	
Trucking Surcharge	
Taxes	
TOTAL COST	



DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene

33-23s-14w Stafford

Waters #1-33

Start Date: 2010.04.26 @ 01:00:00

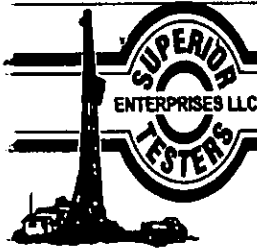
End Date: 2010.04.26 @ 05:17:30

Job Ticket #: 15903 DST #: 1

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

Printed: 2010.05.04 @ 10:50:19

F.G.Holl Company L.L.C. Waters #1-33 33-23s-14w Stafford DST # 1 Tankip 2010.04.26



DRILL STEM TEST REPORT

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

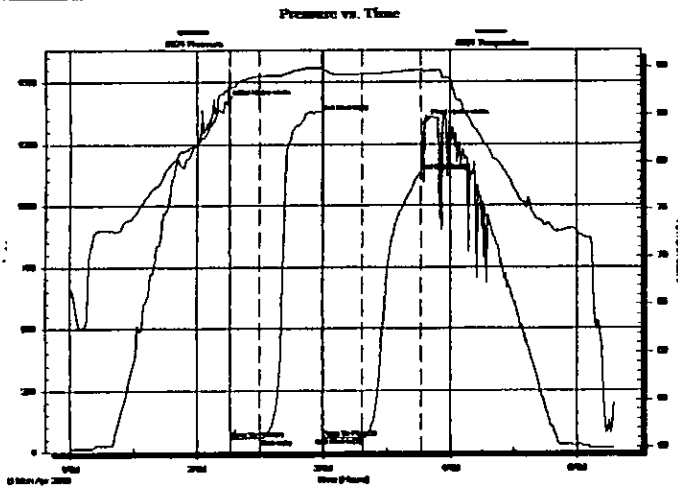
Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15903 **DST#: 1**
 Test Start: 2010.04.26 @ 01:00:00

GENERAL INFORMATION:

Formation: **Tarkip**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 02:16:00
 Time Test Ended: 05:17:30
 Interval: **2880.00 ft (KB) To 2941.00 ft (KB) (TVD)**
 Total Depth: **2941.00 ft (KB) (TVD)**
 Hole Diameter: **7.80 inches** Hole Condition:
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Gene Budig**
 Unit No: **3335-64**
 Reference Elevations: **1979.00 ft (KB)**
 1971.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8524 Outside
 Press@RunDepth: **54.74 psia @ 2938.33 ft (KB)**
 Start Date: **2010.04.26** End Date: **2010.04.26**
 Start Time: **01:01:00** End Time: **05:17:30**
 Capacity: **5000.00 psia**
 Last Calib.: **2010.04.26**
 Time On Btrr: **2010.04.26 @ 02:14:00**
 Time Off Btrr: **2010.04.26 @ 03:48:00**

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 6 minutes and died
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 15 Minutes no blow
 2nd Shut-In 30 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1415.96	87.67	Initial Hydro-static
2	53.74	87.77	Open To Flow (1)
16	54.74	89.03	Shut-In(1)
46	1379.18	89.93	End Shut-In(1)
46	55.90	89.83	Open To Flow (2)
65	55.32	89.28	End Shut-In(2)
92	1137.63	89.71	End Shut-In(3)
95	1334.51	89.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.07

Gas Rates

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



DRILL STEM TEST REPORT

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

Waters #1-33

9431 East Central Suite 100
Wichita, Kansas 67206-2563

33-23s-14w Stafford

Job Ticket: 15903

DST#: 1

ATTN: Rene

Test Start: 2010.04.26 @ 01:00:00

GENERAL INFORMATION:

Formation: **Tarkip**

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

Time Tool Opened: 02:16:00

Time Test Ended: 05:17:30

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

Tester: **Gene Budig**

Unit No: **3335-64**

Interval: **2880.00 ft (KB) To 2941.00 ft (KB) (TVD)**

Total Depth: **2941.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition:

Reference Elevations: **1979.00 ft (KB)**

1971.00 ft (CF)

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

Serial #: **8405**

Inside

Press@RunDepth: **1140.39 psia @ 2937.33 ft (KB)**

Start Date: **2010.04.26**

End Date:

2010.04.26

Start Time: **01:00:01**

End Time:

05:16:16

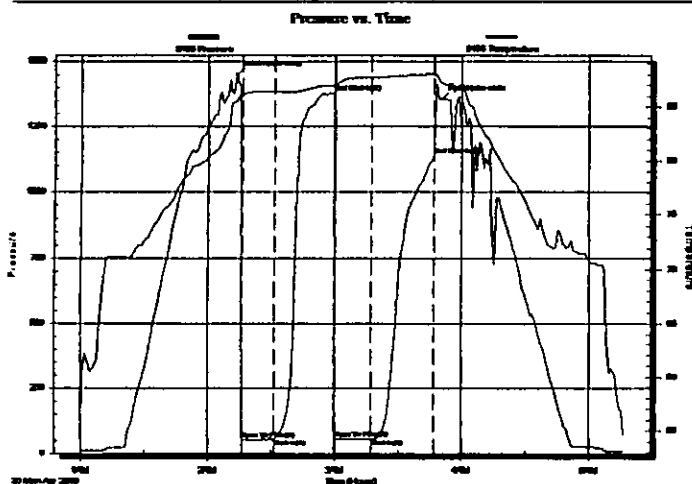
Capacity: **5000.00 psia**

Last Calib.: **2010.04.26**

Time On Btm: **2010.04.26 @ 02:13:16**

Time Off Btm: **2010.04.26 @ 03:50:16**

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 6 minutes and died
1st Shut-in 30 Minutes-No blow back
2nd Opening 15 Minutes no blow
2nd Shut-in 30 Minutes no blow back



PRESSURE SUMMARY

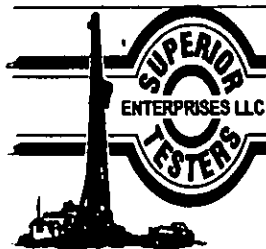
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1450.15	85.46	Initial Hydro-static
3	53.43	86.00	Open To Flow (1)
18	56.51	86.39	Shut-in(1)
47	1379.12	86.97	End Shut-in(1)
47	55.22	86.96	Open To Flow (2)
64	55.98	87.71	Shut-in(2)
94	1140.39	88.07	End Shut-in(2)
98	1355.44	87.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.07

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Hoff Company L.L.C.
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Rene

Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15903 DST#: 1
 Test Start: 2010.04.26 @ 01:00:00

Tool Information

Drill Pipe:	Length: 2877.00 ft	Diameter: 3.80 inches	Volume: 40.36 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:	80000.00 lb
			<u>Total Volume: 40.36 bbl</u>	Tool Chased	90.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	2880.00 ft			Final	35000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	61.33 ft				
Tool Length:	90.33 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2852.00	
Shut-In Tool	5.00			2857.00	
Hydraulic Tool	5.00			2862.00	
Jars	6.00			2868.00	
Safety Joint	2.00			2870.00	
Packer	5.00			2875.00	29.00 Bottom Of Top Packer
Packer	5.00			2880.00	
Perforations	5.00			2885.00	
Change Over Sub	0.75			2885.75	
Drill Pipe	31.83			2917.58	
Change Over Sub	0.75			2918.33	
Perforations	18.00			2936.33	
Recorder	1.00	8405	Inside	2937.33	
Recorder	1.00	8524	Outside	2938.33	
Bullhose	3.00			2941.33	61.33 Bottom Packers & Anchor
Total Tool Length:	90.33				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15903 DST#: 1
 Test Start: 2010.04.26 @ 01:00:00

Mud and Cushion Information

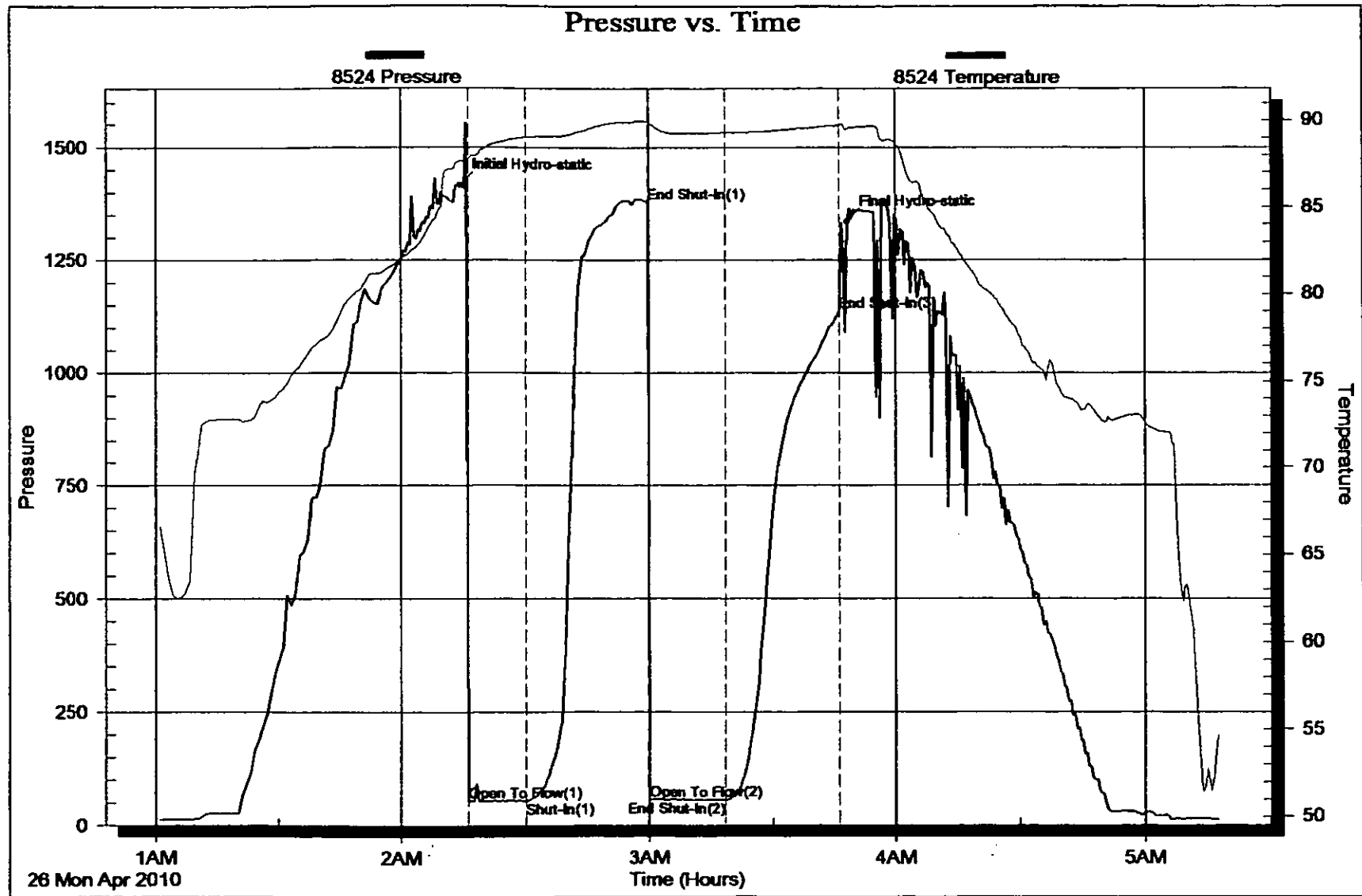
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.33 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 7700.00 ppm			
Filter Cake: inches			

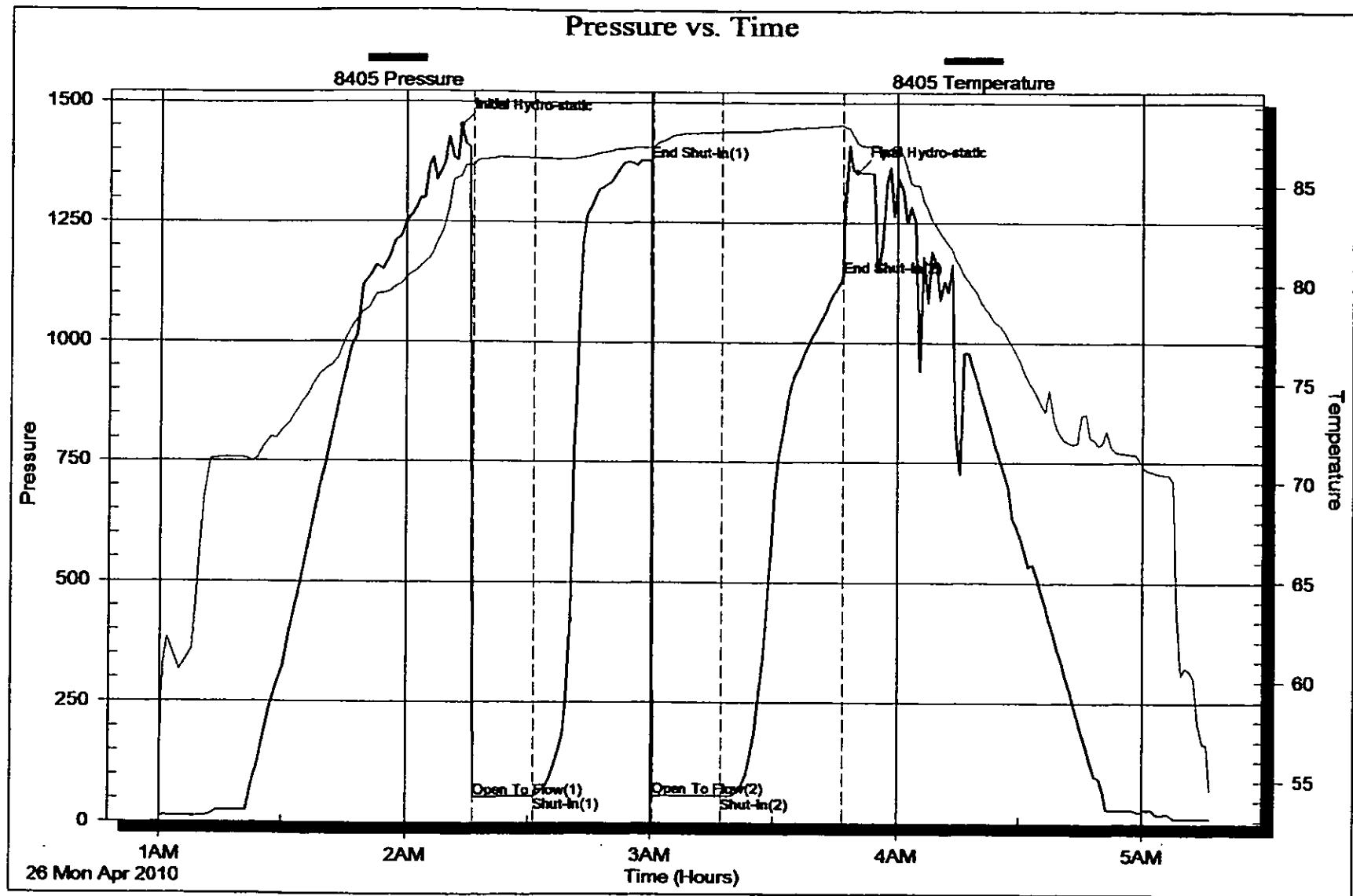
Recovery Information

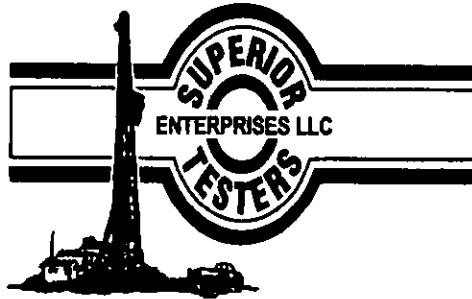
Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene

33-23s-14w Stafford

Waters #1-33

Start Date: 2010.04.29 @ 07:50:00

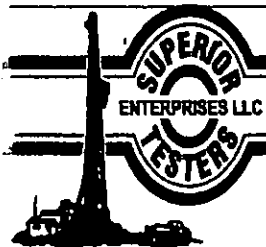
End Date: 2010.04.29 @ 12:14:15

Job Ticket #: 15904 DST #: 2

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

Printed: 2010.05.04 @ 10:50:04

F.G.Holl Company L.L.C. Waters #1-33 33-23s-14w Stafford DST # 2 Kansas City "J" Zone 2010.04.29



DRILL STEM TEST REPORT

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

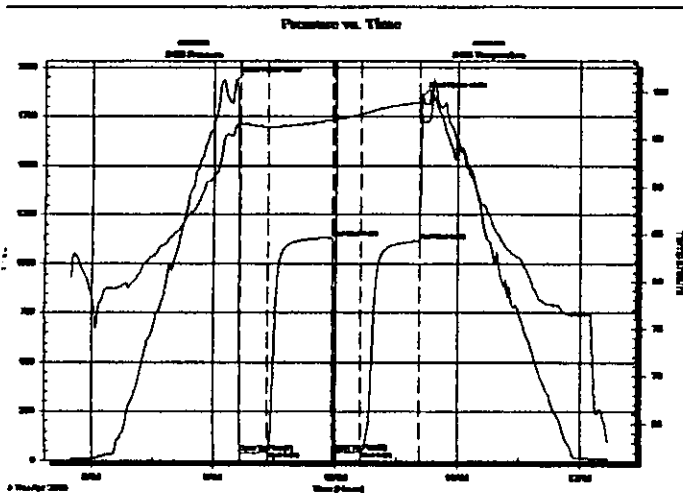
Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15904 DST#: 2
 Test Start: 2010.04.29 @ 07:50:00

GENERAL INFORMATION:

Formation: **Kansas City "J" Zone**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 09:13:16
 Time Test Ended: 12:14:15
 Interval: **3778.00 ft (KB) To 3813.00 ft (KB) (TVD)**
 Total Depth: **3813.00 ft (KB) (TVD)**
 Hole Diameter: **7.80 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Gene Budig**
 Unit No: **3335-64**
 Reference Elevations: **1979.00 ft (KB)**
 1971.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8405 Inside
 Press@RunDepth: **49.70 psia @ 3809.00 ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2010.04.29** End Date: **2010.04.29** Last Calib.: **2010.04.29**
 Start Time: **07:50:01** End Time: **12:14:16** Time On Btrr: **2010.04.29 @ 09:10:46**
 Time Off Btrr: **2010.04.29 @ 10:42:46**

TEST COMMENT: 1st Opening 15 Minutes-Good surge 12-14 bubbles and died
 1st Shut-in 30 Minutes
 2nd Opening 15 Minutes-6-8 bubbles and died
 2nd Shut-in 30 Minutes



PRESSURE SUMMARY

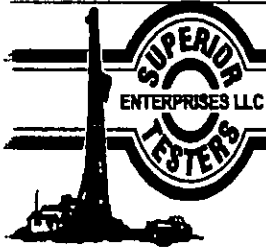
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1931.19	96.43	Initial Hydro-static
3	41.29	96.67	Open To Flow (1)
16	53.49	96.34	Shut-In(1)
48	1132.63	97.10	End Shut-In(1)
49	45.42	97.13	Open To Flow (2)
62	49.70	97.64	Shut-In(2)
91	1118.49	99.01	End Shut-In(2)
92	1857.75	96.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Thick Heavy Mud	0.28

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Waters #1-33

9431 East Central Suite 100
Wichita, Kansas 67206-2563

33-23s-14w Stafford

Job Ticket: 15904

DST#: 2

ATTN: Rene

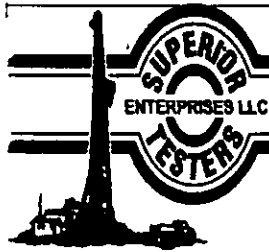
Test Start: 2010.04.29 @ 07:50:00

Tool Information

Drill Pipe:	Length: 3761.00 ft	Diameter: 3.80 inches	Volume: 52.76 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:	45000.00 lb
			<u>Total Volume: 52.76 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3778.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	64.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3750.00	
Shut-In Tool	5.00			3755.00	
Hydraulic Tool	5.00			3760.00	
Jars	6.00			3766.00	
Safety Joint	2.00			3768.00	
Packer	5.00			3773.00	29.00 Bottom Of Top Packer
Packer	5.00			3778.00	
Perforations	30.00			3808.00	
Recorder	1.00	8405	Inside	3809.00	
Recorder	1.00	8524	Outside	3810.00	
Bullnose	3.00			3813.00	35.00 Bottom Packers & Anchor
Total Tool Length:	64.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15904 DST#: 2
 Test Start: 2010.04.29 @ 07:50:00

Mud and Cushion Information

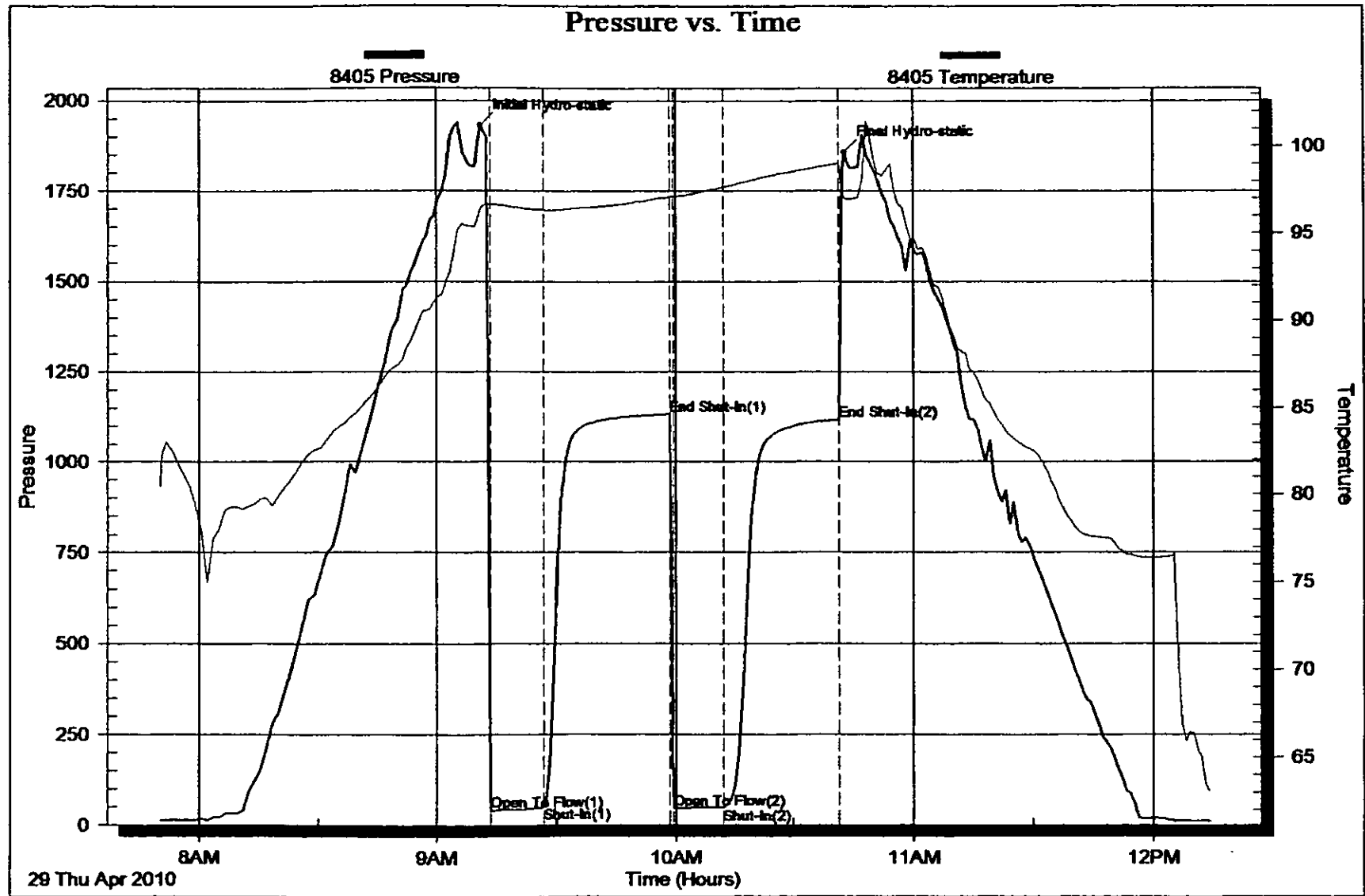
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.95 in*	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 64000.00 ppm			
Filter Cake: 1.00 inches			

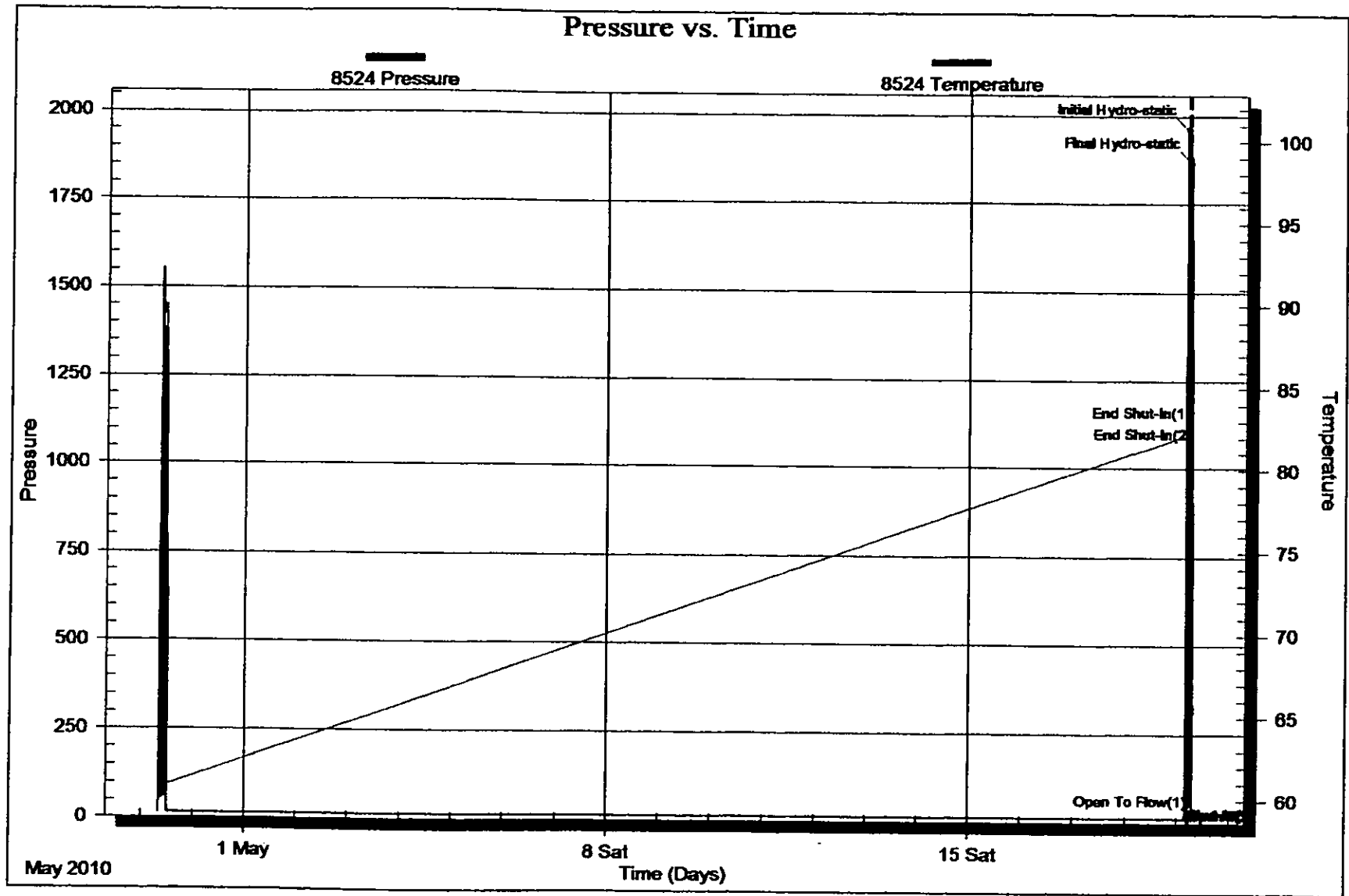
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Thick Heavy Mud	0.281

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:







DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene

33-23s-14w Stafford

Waters #1-33

Start Date: 2010.04.29 @ 08:10:00

End Date: 2010.04.29 @ 00:00:00

Job Ticket #: 15905 DST #: 3

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

Printed: 2010.05.04 @ 10:49:49

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

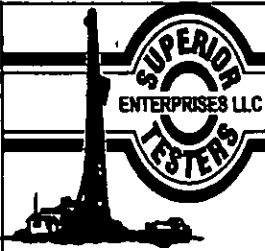
Waters #1-33

33-23s-14w Stafford

DST # 3

Kansas City "K" Zone

2010.04.29



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15905 DST#: 3
 Test Start: 2010.04.29 @ 08:10:00

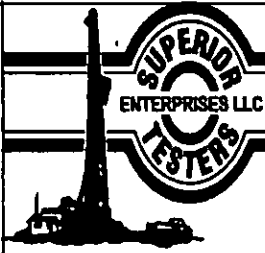
Tool Information

Drill Pipe:	Length: 3799.00 ft	Diameter: 3.80 inches	Volume: 53.29 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: 45000.00 lb
			<u>Total Volume: 53.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3813.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3793.00	
Shut-in Tool	5.00			3798.00	
Hydraulic Tool	5.00			3803.00	
Packer	5.00			3808.00	21.00 Bottom Of Top Packer
Packer	5.00			3813.00	
Perforations	15.00			3828.00	
Recorder	1.00	8405	Inside	3829.00	
Recorder	1.00	8524	Outside	3830.00	
Bullnose	3.00			3833.00	20.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Hoff Company L.L.C.
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Rene

Waters #1-33
 33-23e-14w Stafford
 Job Ticket: 15905 DST#: 3
 Test Start: 2010.04.29 @ 08:10:00

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: 24000 ppm	
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.35 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6100.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	water chlorides 24000	1.824
0.00	Resistivity .2 @76 Degrees	0.000

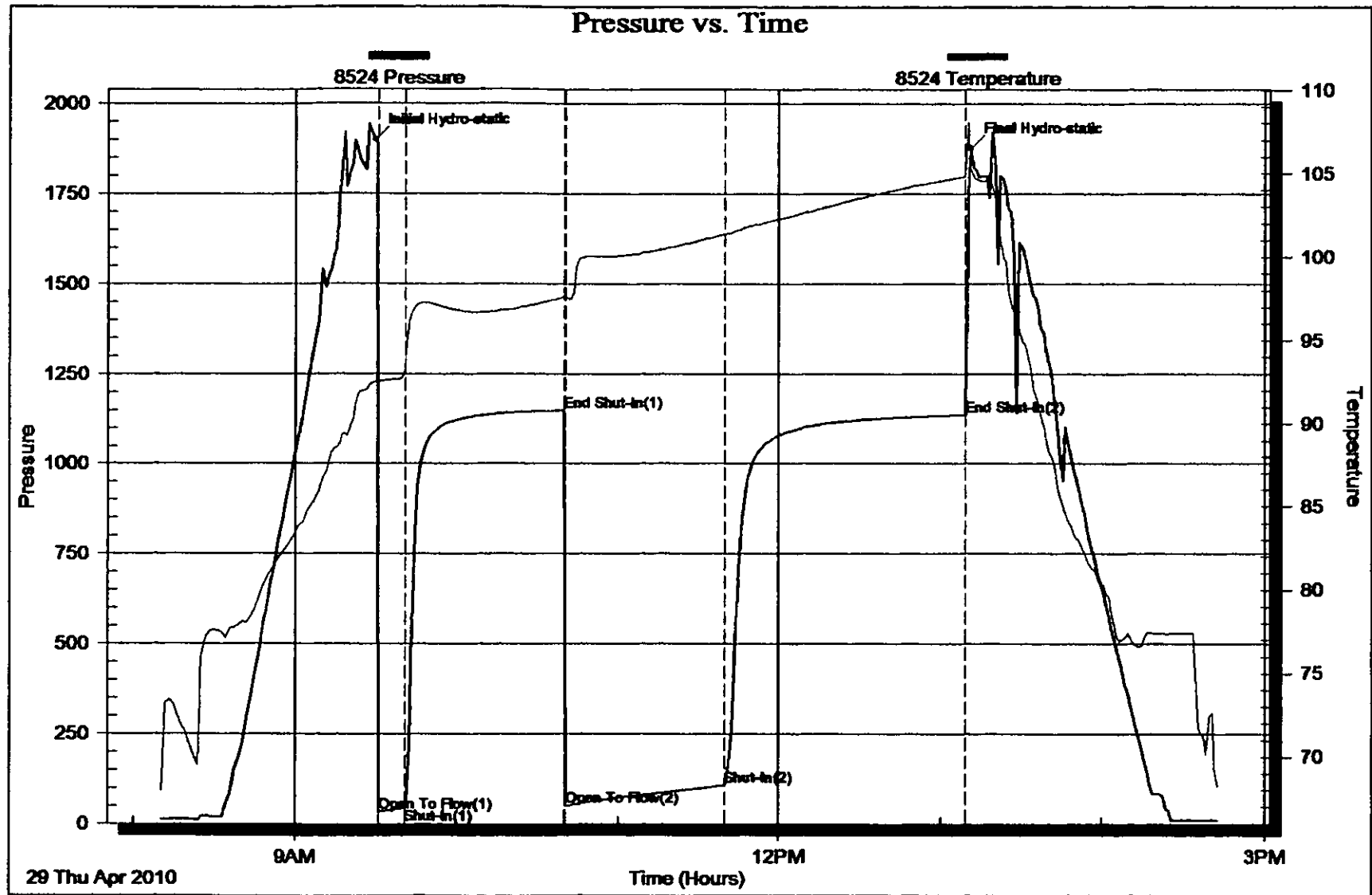
Total Length: 130.00 ft Total Volume: 1.824 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8524

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

33-23s-14w Stafford

DST Test Number: 3



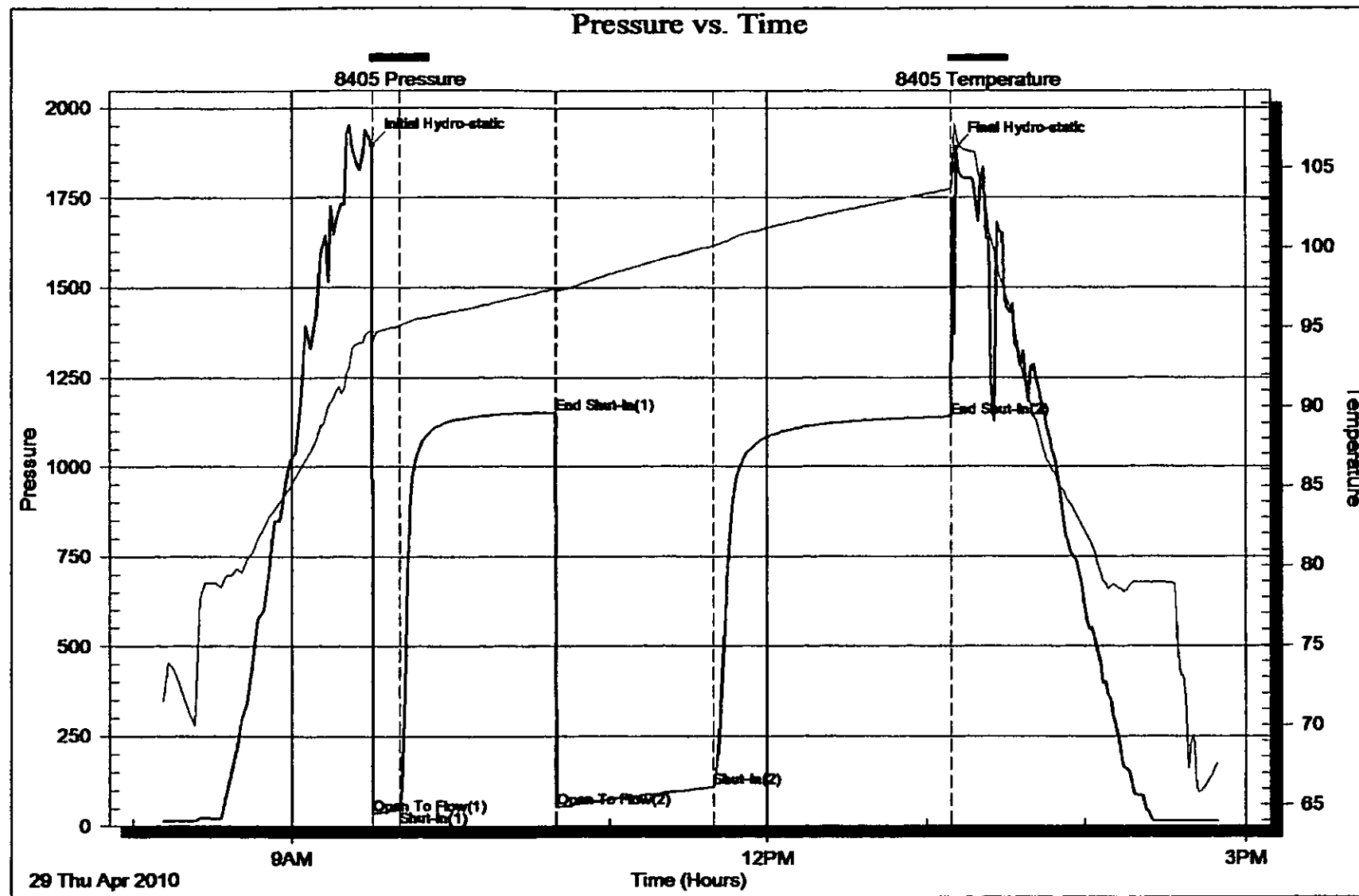
Serial #: 8405

Inside

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

33-23s-14w Stafford

DST Test Number: 3





DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene

33-23s-14w Stafford

Waters #1-33

Start Date: 2010.04.30 @ 10:05:00

End Date: 2010.04.30 @ 14:33:15

Job Ticket #: 15906 DST #: 4

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

Printed: 2010.05.04 @ 10:49:33

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

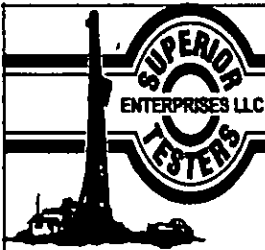
Waters #1-33

33-23s-14w Stafford

DST # 4

Kansas City "L" Zon

2010.04.30



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15906 DST#: 4
 Test Start: 2010.04.30 @ 10:05:00

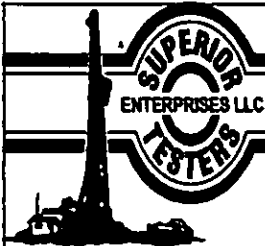
Tool Information

Drill Pipe:	Length: 3833.00 ft	Diameter: 0.00 inches	Volume: 0.00 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: 45000.00 lb
			<u>Total Volume: 0.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3840.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 7.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3820.00	
Shut-in Tool	5.00			3825.00	
Hydrolic Tool	5.00			3830.00	
Packer	5.00			3835.00	21.00 Bottom Of Top Packer
Packer	5.00			3840.00	
Perforations	25.00			3865.00	
Recorder	1.00	8405	Inside	3866.00	
Recorder	1.00	8524	Outside	3867.00	
Bullhose	3.00			3870.00	30.00 Bottom Packers & Anchor
Total Tool Length:	51.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

Waters #1-33

9431 East Central Suite 100
Wichita, Kansas 67206-2563

33-23a-14w Stafford

Job Ticket: 15906

DST#: 4

ATTN: Rene

Test Start: 2010.04.30 @ 10:05:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 10.37 in³
Resistivity: ohm.m
Salinity: 6100.00 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
1.00	Drilling Mud	0.000

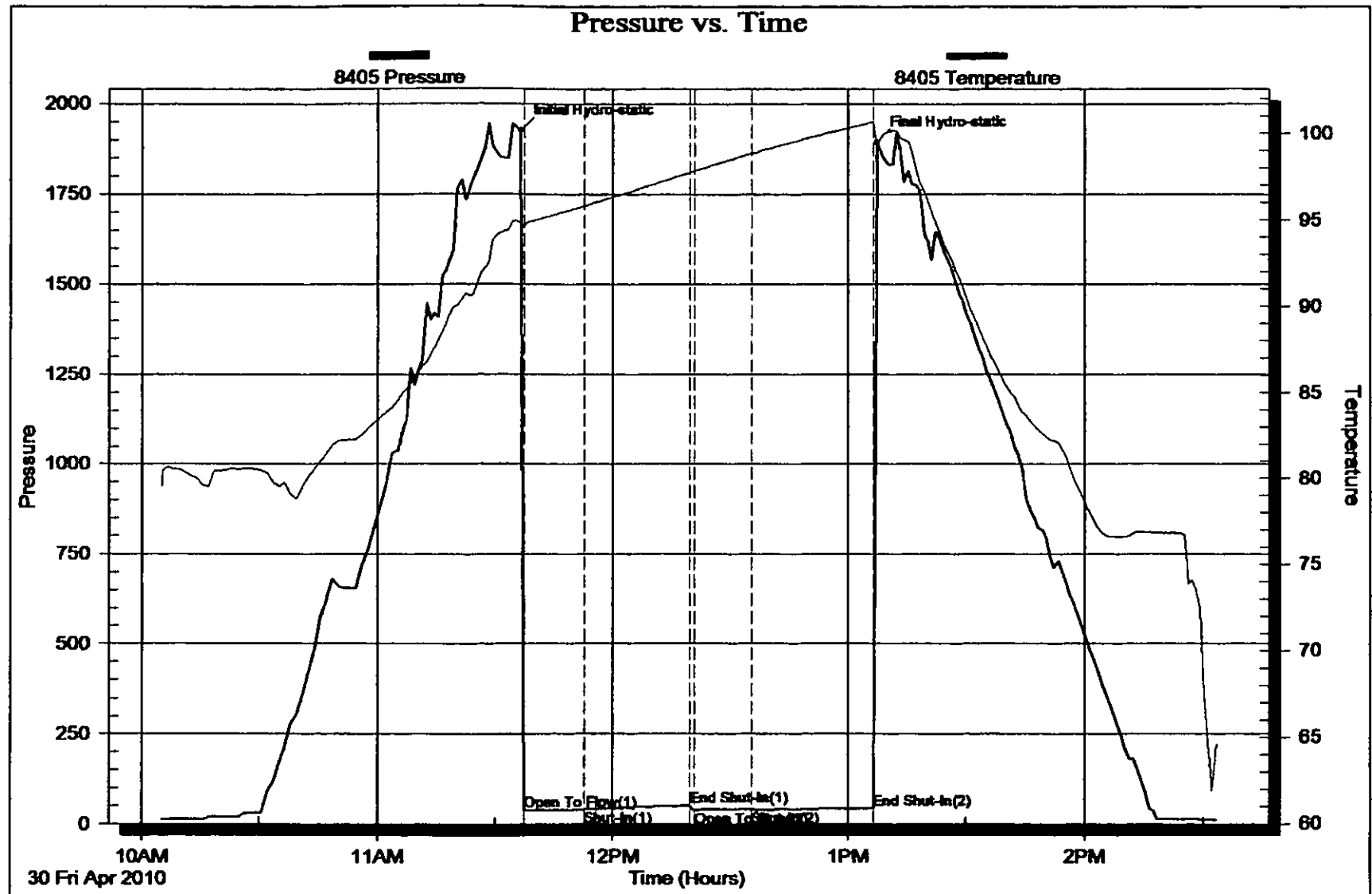
Total Length: 1.00 ft Total Volume: bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8405

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

33-23s-14w Stafford

DST Test Number: 4

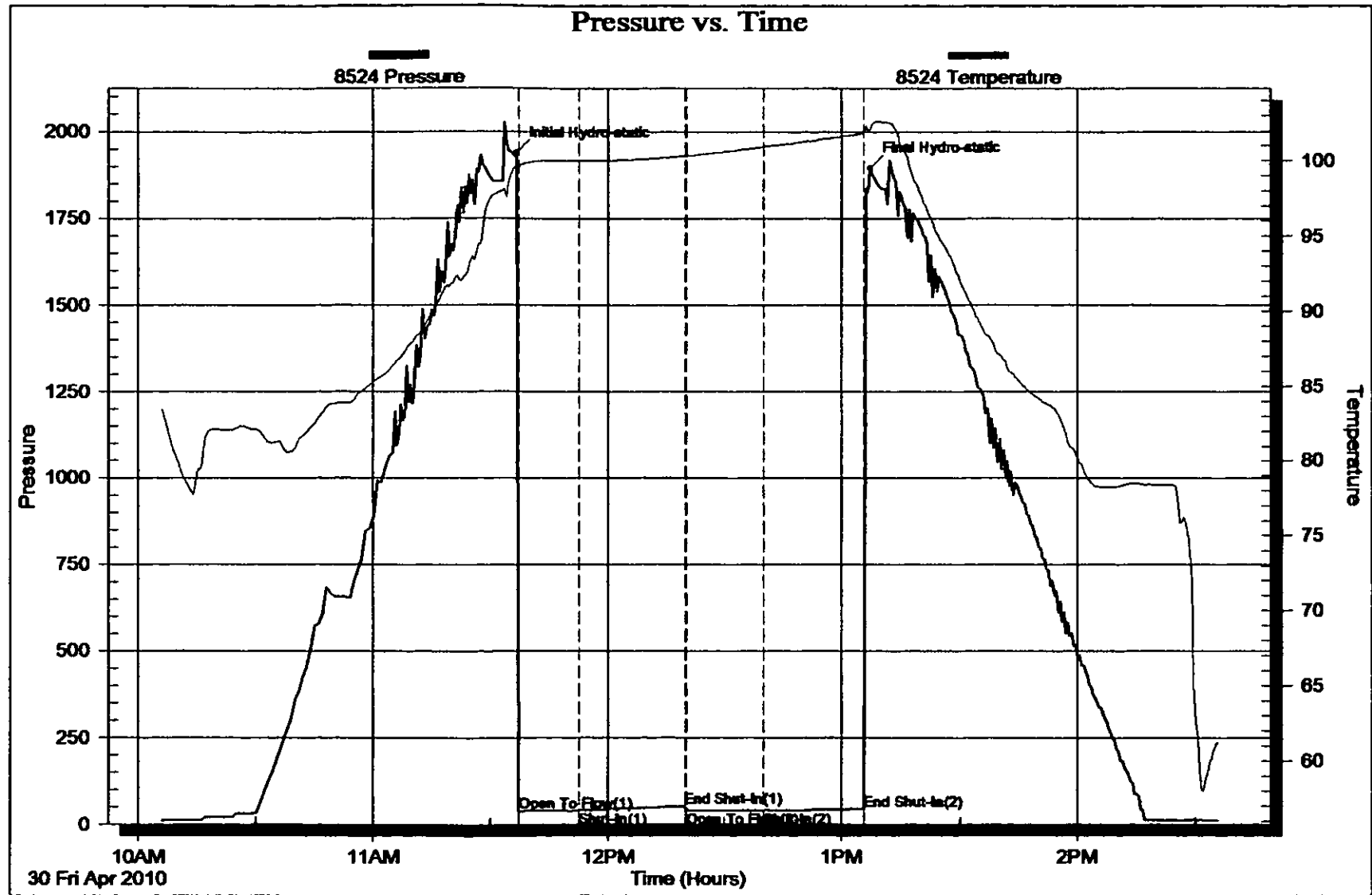


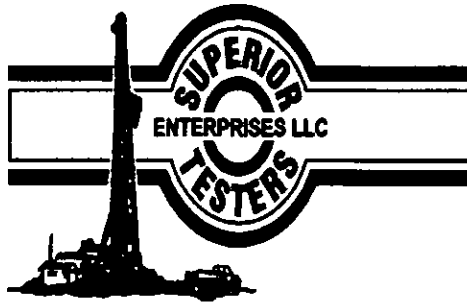
Serial #: 8524

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

33-23s-14w Stafford

DST Test Number: 4





DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene

33-23s-14w Stafford

Waters #1-33

Start Date: 2010.04.30 @ 06:25:00

End Date: 2010.04.30 @ 00:00:00

Job Ticket #: 15907 DST #: 5

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

Printed: 2010.05.04 @ 10:44:16

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

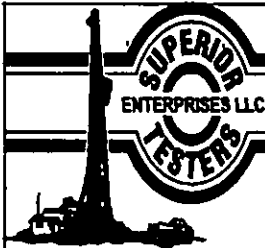
Waters #1-33

33-23s-14w Stafford

DST # 5

Conglomerate Chart

2010.04.30



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15907 DST#: 5
 Test Start: 2010.04.30 @ 06:25:00

Tool Information

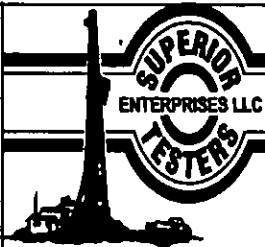
Drill Pipe:	Length: 3854.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 2000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 0.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3861.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	151.95 ft			
Tool Length:	172.95 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3841.00	
Shut-In Tool	5.00			3846.00	
Hydraulic Tool	5.00			3851.00	
Packer	5.00			3856.00	21.00 Bottom Of Top Packer
Packer	5.00			3861.00	
Perforations	5.00			3866.00	
Change Over Sub	0.75			3866.75	
Drill Pipe	125.45			3992.20	
Change Over Sub	0.75			3992.95	
Perforations	15.00			4007.95	
Recorder	1.00	8405	Inside	4008.95	
Recorder	1.00	8524	Outside	4009.95	
Bullnose	3.00			4012.95	151.95 Bottom Packers & Anchor

Total Tool Length: 172.95



DRILL STEM TEST REPORT

FLUID SUMMARY

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

Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15907 **DST#: 5**
 Test Start: 2010.04.30 @ 06:25:00

Mud and Cushion Information

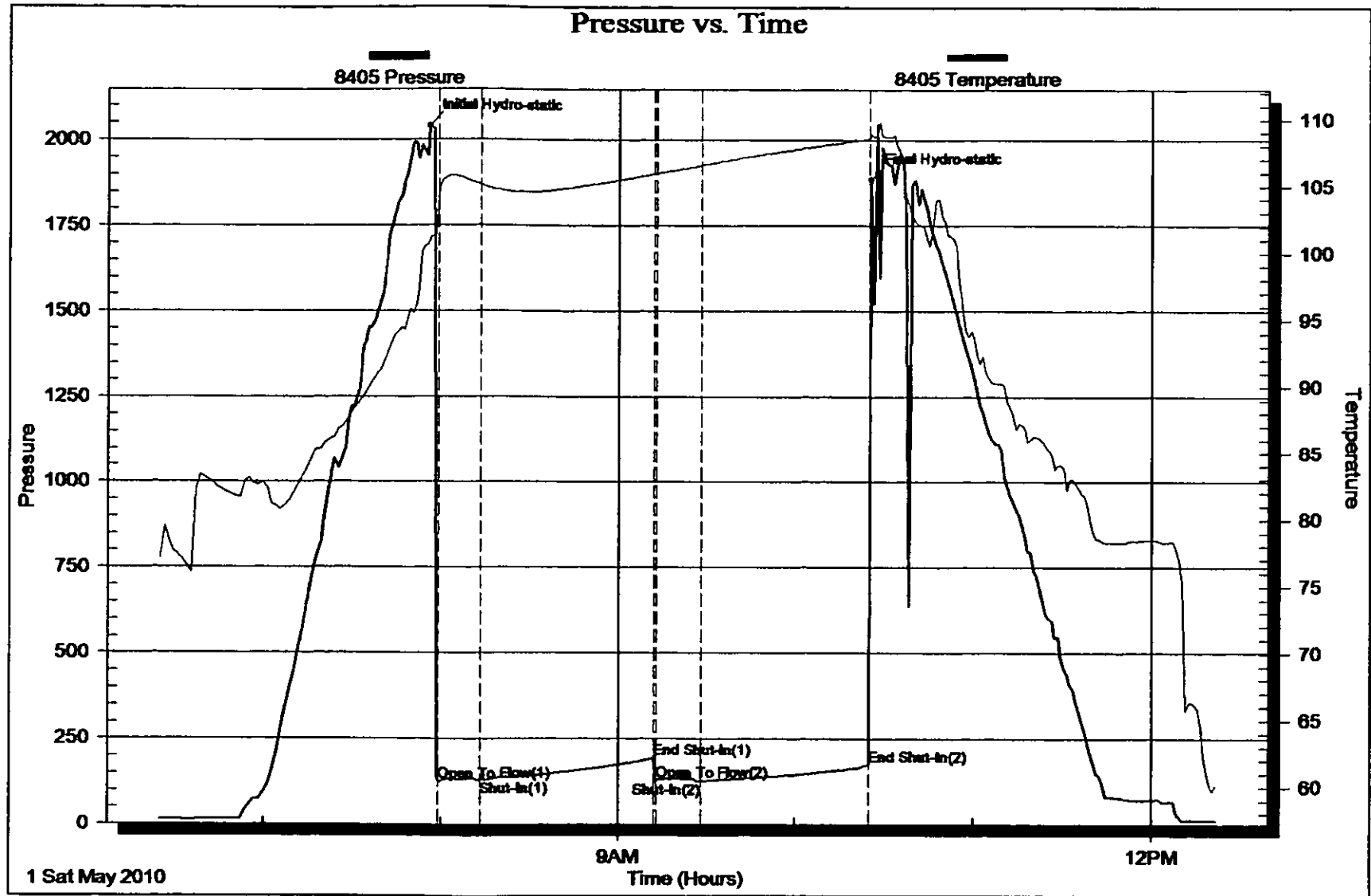
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 7200.00 ppm			
Filter Cake: 1.00 inches			

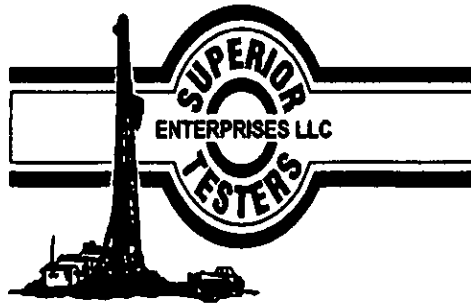
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Drilling Mud	0.000

Total Length: 50.00 ft Total Volume: bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene

33-23s-14w Stafford

Waters #1-33

Start Date: 2010.05.01 @ 01:10:00

End Date: 2010.05.01 @ 07:58:15

Job Ticket #: 15908 DST #: 6

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

Printed: 2010.05.04 @ 10:44:04

F.G.Holl Company L.L.C. Waters #1-33 33-23s-14w Stafford DST # 6 Viola 2010.05.01



DRILL STEM TEST REPORT

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

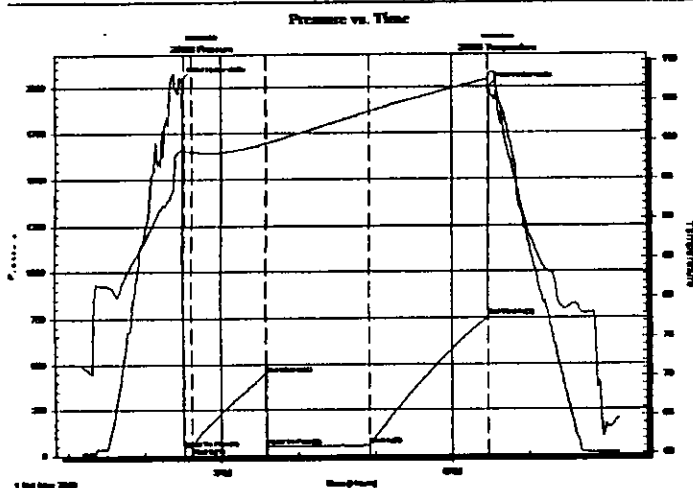
Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15908 **DST#: 6**
 Test Start: 2010.05.01 @ 01:10:00

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: **No Whipstock:** **ft (KB)**
 Time Tool Opened: **02:31:16**
 Time Test Ended: **07:58:15**
 Interval: **4010.00 ft (KB) To 4047.00 ft (KB) (TVD)**
 Total Depth: **4047.00 ft (KB) (TVD)**
 Hole Diameter: **7.80 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Gene Budig**
 Unit No: **3335**
 Reference Elevations: **1979.00 ft (KB)**
 1971.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 23988 **Outside**
 Press@RunDepth: **753.73 psia @ 4044.00 ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2010.05.01** End Date: **2010.05.01** Last Calib.: **2010.05.01**
 Start Time: **01:11:00** End Time: **08:11:00** Time On Btrr: **2010.05.01 @ 02:28:30**
 Time Off Btrr: 2010.05.01 @ 06:29:00

TEST COMMENT: 1st Opening 5 Minutes-fair blow built to 7 inches into the water
 1st Shut-In 60 Minutes-No blow back
 2nd Opening 80 Minutes-Strong blow bottom of a 5 gallon bucket in 10 seconds decreased to a weak building blow built to 9 inches into the water



PRESSURE SUMMARY

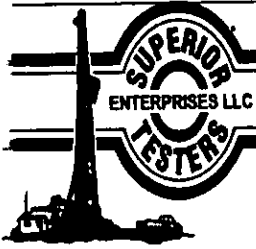
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2040.52	98.84	Initial Hydro-static
3	42.42	98.58	Open To Flow (1)
8	47.26	98.53	Shut-In(1)
67	448.96	99.62	End Shut-In(1)
67	50.07	99.65	Open To Flow (2)
148	54.12	103.60	Shut-In(2)
240	753.73	107.63	End Shut-In(2)
241	1998.52	108.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	gas in the pipe	2.10
35.00	Drilling mud	0.49

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: Rene

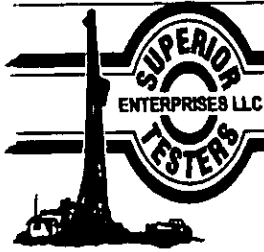
Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15908 DST#: 6
 Test Start: 2010.05.01 @ 01:10:00

Tool Information

Drill Pipe:	Length: 4017.00 ft	Diameter: 3.80 inches	Volume: 56.35 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: 48000.00 lb
			<u>Total Volume: 56.35 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4010.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 7.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3990.00	
Shut-In Tool	5.00			3995.00	
Hydrolic Tool	5.00			4000.00	
Packer	5.00			4005.00	21.00 Bottom Of Top Packer
Packer	5.00			4010.00	
Perforations	32.00			4042.00	
Recorder	1.00	8405	Inside	4043.00	
Recorder	1.00	23988	Outside	4044.00	
Bullnose	3.00			4047.00	37.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

Waters #1-33

9431 East Central Suite 100
Wichita, Kansas 67206-2563

33-23s-14w Stafford

Job Ticket: 15908

DST#: 6

ATTN: Rene

Test Start: 2010.05.01 @ 01:10:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 67.00 sec/qt
Water Loss: 10.18 in³
Resistivity: ohm.m
Salinity: 7600.00 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
150.00	gas in the pipe	2.104
35.00	Drilling mud	0.491

Total Length: 185.00 ft Total Volume: 2.595 bbl

Num Fluid Samples: 0

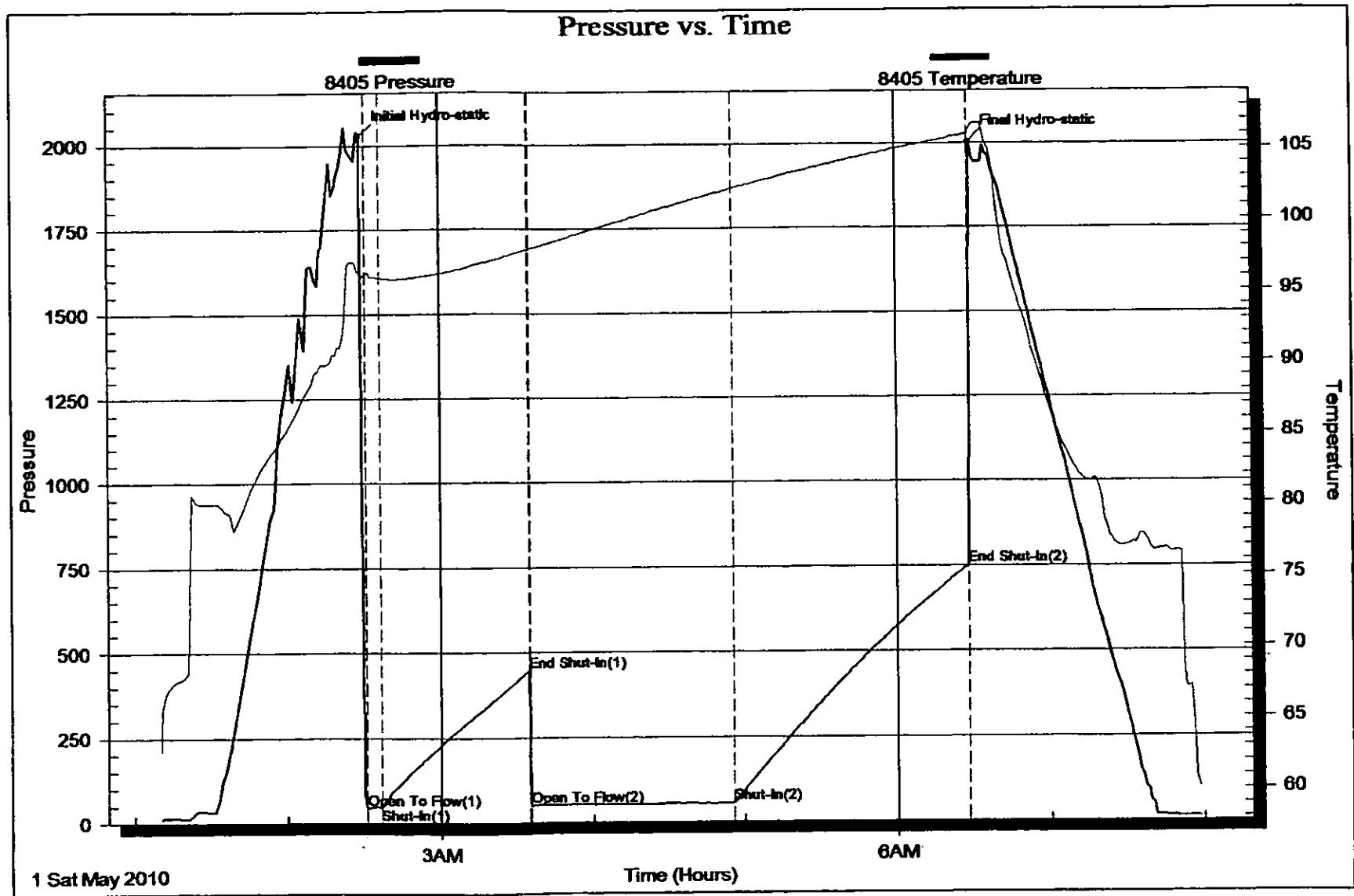
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

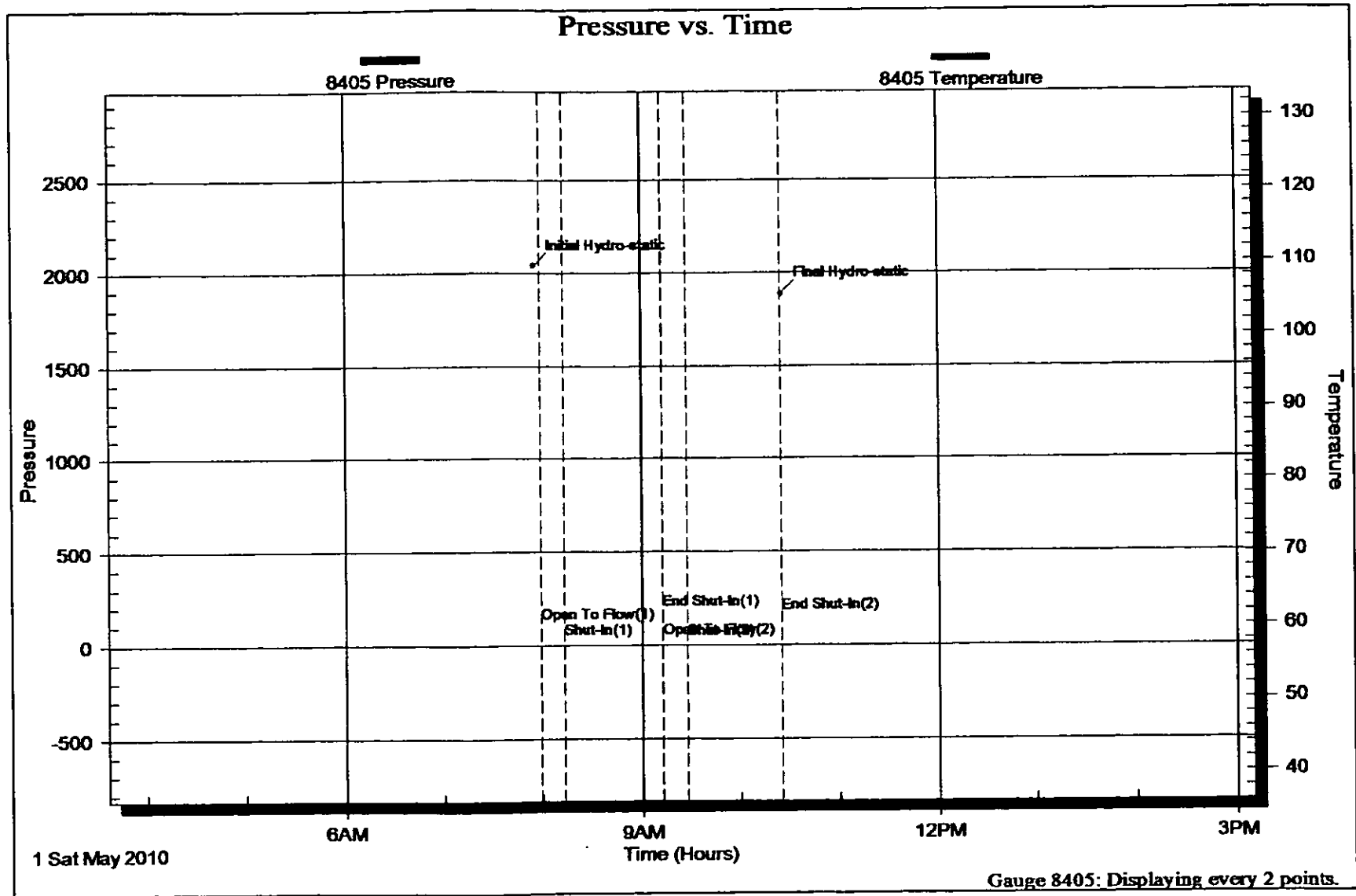


Serial #: 23988

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

33-25-14W GA1700

DOT Test Number 0





DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene

33-23s-14w Stafford

Waters #1-33

Start Date: 2010.05.02 @ 07:15:00

End Date: 2010.05.02 @ 00:00:00

Job Ticket #: 15909 DST #: 7

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

Printed: 2010.05.04 @ 10:43:48

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

Waters #1-33

33-23s-14w Stafford

DST # 7

Simpson Sand

2010.05.02



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15909 DST#: 7
 Test Start: 2010.05.02 @ 07:15:00

Tool Information

Drill Pipe:	Length: 4047.00 ft	Diameter: 3.80 inches	Volume: 56.77 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:	45000.00 lb
			<u>Total Volume: 56.77 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	4040.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	61.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4020.00	
Shut-In Tool	5.00			4025.00	
Hydraulic Tool	5.00			4030.00	
Packer	5.00			4035.00	21.00 Bottom Of Top Packer
Packer	5.00			4040.00	
Perforations	35.00			4075.00	
Recorder	1.00	8405	Inside	4076.00	
Recorder	1.00	8524	Outside	4077.00	
Bullnose	3.00			4080.00	40.00 Bottom Packers & Anchor
Total Tool Length:	61.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

Waters #1-33
33-23s-14w Stafford
Job Ticket: 15909 DST#: 7
Test Start: 2010.05.02 @ 07:15:00

Mud and Cushion Information

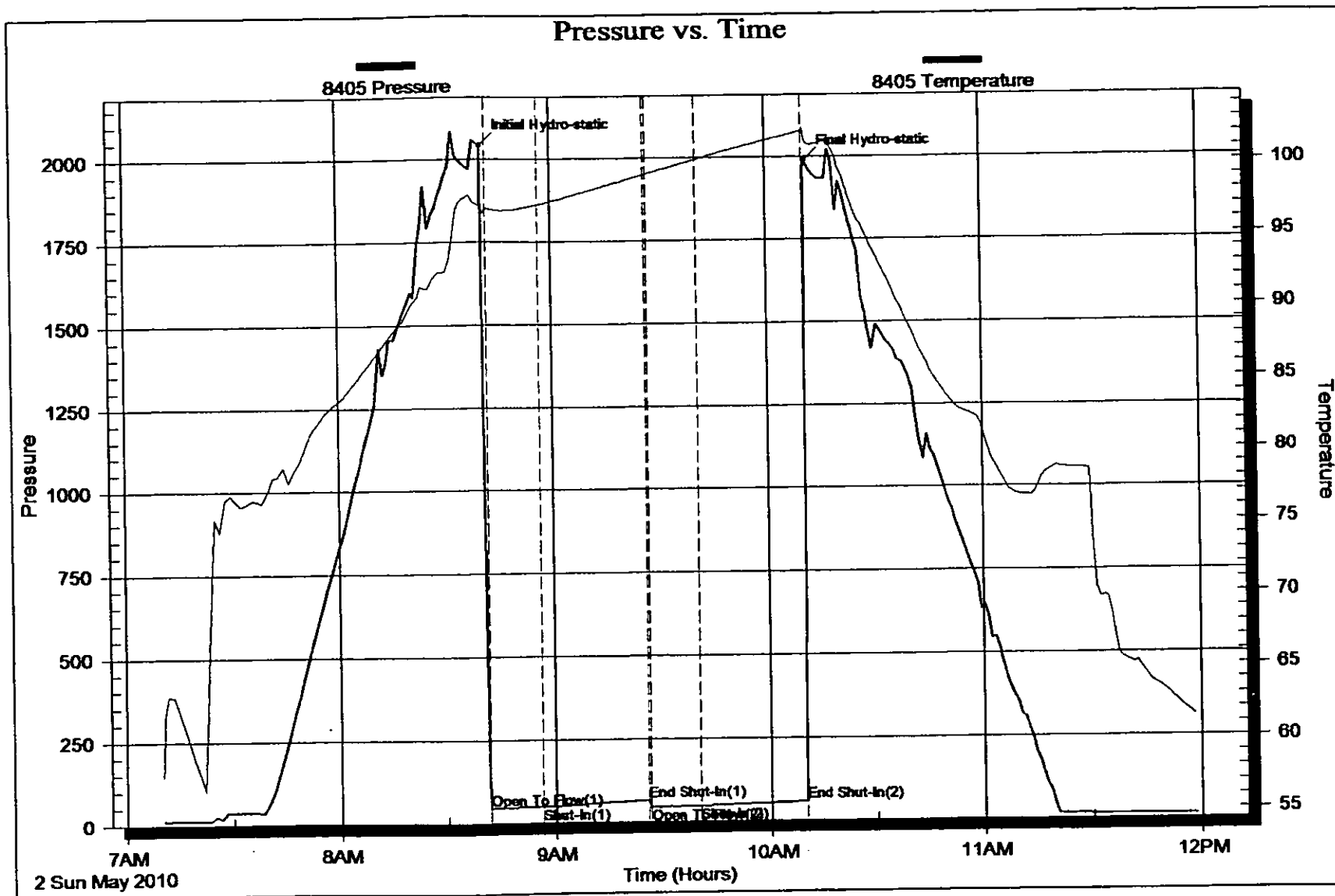
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 7200.00 ppm			
Filter Cake: inches			

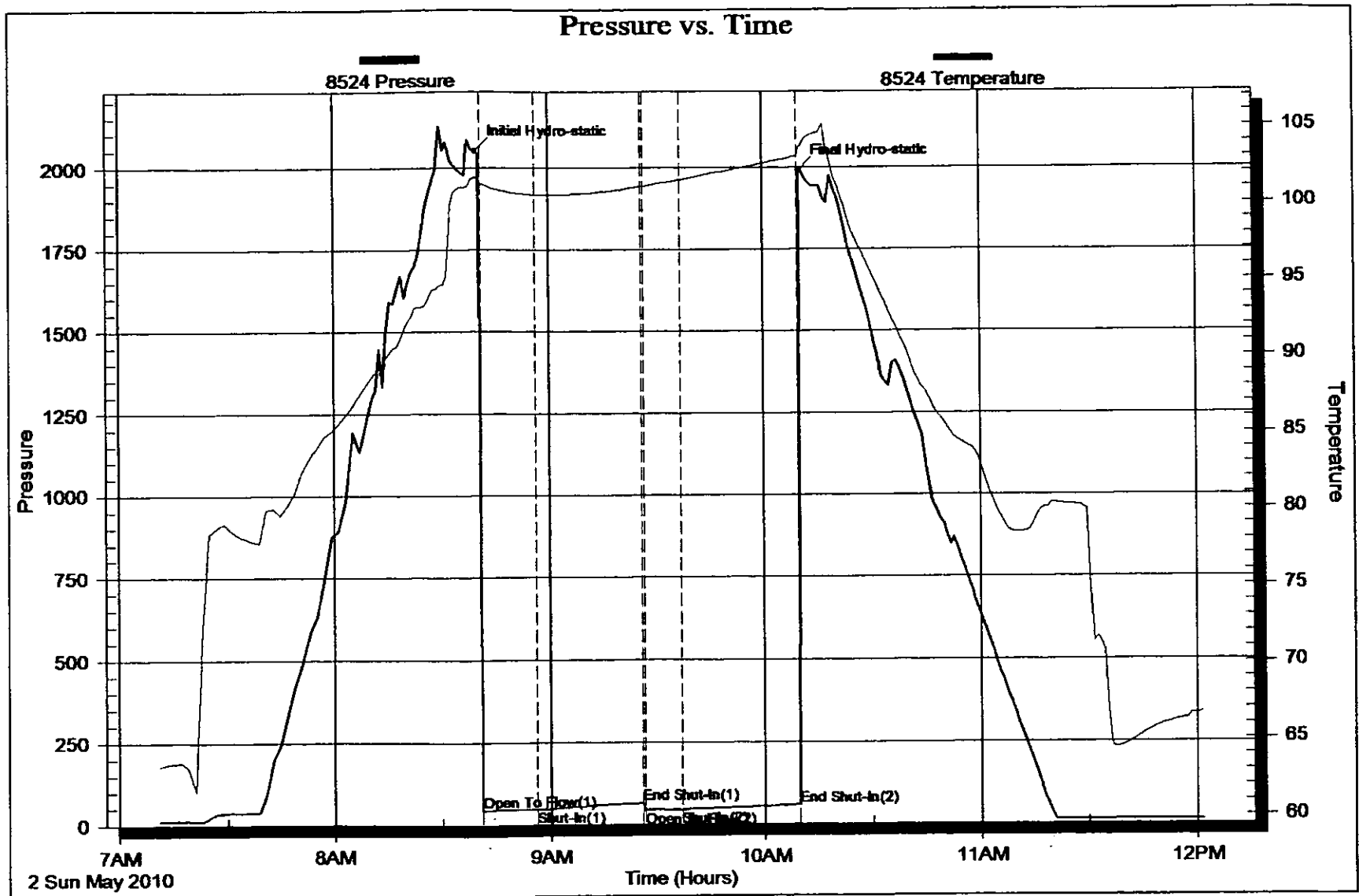
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling mud	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:







DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene

33-23s-14w Stafford

Waters #1-33

Start Date: 2010.05.03 @ 10:15:00

End Date: 2010.05.03 @ 00:00:00

Job Ticket #: 15910 DST #: 8

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

Printed: 2010.05.04 @ 10:43:30

F.G.Holl Company L.L.C. Waters #1-33 33-23s-14w Stafford DST # 8 Arbuckle 2010.05.03



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

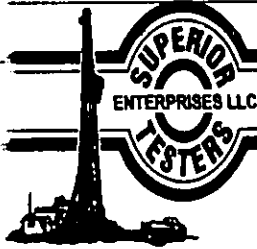
Waters #1-33
33-23s-14w Stafford
 Job Ticket: 15910 **DST#: 8**
 Test Start: 2010.05.03 @ 10:15:00

Tool Information

Drill Pipe:	Length: 4049.00 ft	Diameter: 3.80 inches	Volume: 56.80 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: 48000.00 lb
			<u>Total Volume: 56.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4068.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.80 ft			
Tool Length:	72.80 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4048.00	
Shut-In Tool	5.00			4053.00	
Hydraulic Tool	5.00			4058.00	
Packer	5.00			4063.00	21.00 Bottom Of Top Packer
Packer	5.00			4068.00	
Perforations	4.00			4072.00	
Change Over Sub	0.75			4072.75	
Drill Pipe	31.30			4104.05	
Change Over Sub	0.75			4104.80	
Perforations	10.00			4114.80	
Recorder	1.00	8405	Inside	4115.80	
Recorder	1.00	8524	Outside	4116.80	
Bullnose	3.00			4119.80	51.80 Bottom Packers & Anchor
Total Tool Length:		72.80			



DRILL STEM TEST REPORT

FLUID SUMMARY

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

Waters #1-33
33-23s-14w Stafford
Job Ticket: 15910 DST#: 8
Test Start: 2010.05.03 @ 10:15:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 64.00 sec/qt
Water Loss: 9.19 in³
Resistivity: ohm.m
Salinity: 7200.00 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: 28000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	watery mud w/lt oil 12w 88 m	1.683
120.00	muddy water w/lt oil 40w 60 m	1.683
300.00	water vst of oil 10m 90w	4.208
360.00	w chlorides 28000 resisi. .24 @ degrees	5.050

Total Length: 900.00 ft Total Volume: 12.624 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

