

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

5/6/12

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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.
Wellsite Geologist: Ryan Greenbaum
Purchaser: _____

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
(Core, 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.: _____
02/23/2010 03/04/2010 03/26/2010
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 009-25,394-0000
Spot Description: 55' North of
C W/2 W/2 NE Sec. 15 Twp. 20 S. R. 14 East West
1265 Feet from North / South Line of Section
2310 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barton
Lease Name: PHILLIP TRUST "A" Well #: 1-15
Field Name: Moses Northwest
Producing Formation: Arbuckle
Elevation: Ground: 1885 Kelly Bushing: 1893
Total Depth: 3750' Plug Back Total Depth: 3600
Amount of Surface Pipe Set and Cemented at: 817 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 APPL 5-13-10
(Data must be collected from the Reserve Pit)
Chloride content: 24,000 ppm Fluid volume: 1,000 bbls
Dewatering method used: Hauled free fluids to SWD
Location of fluid disposal if hauled offsite:
Operator Name: Darrah John Jr.
Lease Name: ANSHUTZ 1-15 SWD License No.: 5088
Quarter NE Sec. 15 Twp. 21 S. R. 14 East West
County: Stafford Docket No.: D-17,893

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: Franklin R. Greenbaum
Title: Exploration Manager Date: 05/06/2010
Subscribed and sworn to before me this 6th day of May, 2010
State of Kansas; Sedgwick County
20 Betty H. Spotswood
Notary Public: Betty H. Spotswood
Date Commission Expires: 04/30/2014

KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes No Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 11 2010
CONSERVATION DIVISION
WICHITA, KS

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

Operator Name: F.G. Holl Company, L.L.C. Lease Name: PHILLIP TRUST "A" Well #: 11-15
Sec. 15 Twp. 20 S. R. 14 East West County: Barton

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

List All E. Logs Run:
DIL/BHCS/CPI
CNL/CDL/ML
Microresistivity/Sonic Cement Bond log

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#	817'	Common	150sx	2% gel, 3%cc
					A-Con	175sx	
Production	7-7/8"	4-1/2"	10.5#	3748'	60/40 Poz & AA-2	50 & 125sx	

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 <i>(Amount and Kind of Material Used)</i>	Depth
4 SPF	3540' - 3555' Arbuckle		

TUBING RECORD:	Size: <u>2-3/8"</u>	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>Waiting on pipeline</u>	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 checked="" 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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3540'-3555' Arbuckle</u>
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PHILLIP-TRUST #1-15
BARTON COUNTY, KANSAS

Formation	Sample	Datum	E-Log	Datum
Anhydrite	812		808	+1085
Herrington			1742	+151
Winfield			1796	+97
Towanda			1866	+27
Fort Riley			1906	-13
B/Florence			2004	-111
Kinney Ls			2035	-142
Wrefold			2053	-160
Council Grove			2073	-180
Crouse			2113	-220
Neva			2244	-351
Red Eagle			2310	-417
Onaga Shale				
Wabaunsee				
Root Shale			2549	-656
Stotler	2608	-715	2604	-711
Tarkio			2664	-771
Howard			2802	-909
Severy Shale			2898	-1005
Topeka			2902	-1009
Heebner	3144	-1251	3142	-1249
Toronto			3157	-1264
Douglas Sh.			3174	-1281
Brown lime	3245	-1352	3243	-1350
LKC			3253	-1360
LKC "H"			3381	-1488
Stark Shale			3432	-1539
BKC	3479	-1586	3479	-1586
Conglomerate	3493	-1600	3490	-1597
Arbuckle	3516	-1623		
RTD			3750	-1857

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CONSERVATION DIVISION
WICHITA, KS

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MAY 06 2010

TREATMENT REPORT

Customer F.G. Holl Co. LLC	Lease No. CONFIDENTIAL	Date 2-24-10
Lease Phillips Trust A'	Well # 1-15	
Field Order # 1181170A	Station Pratt	Casing 8 5/8"
Type Job 8 5/8" Surface	Formation cnw	Depth 817
		County Barton
		State KANS.
		Legal Description 15-20-14

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 8 5/8"	Tubing Size	Shots/Ft	175 SKS	Acid	Agon Blend @ 12#	RATE	PRESS
Depth 817	Depth	From	To	Pre Pad	com. 2% gel	Max	5 Min.
Volume 51.66	Volume	From	To	Pad		Min	10 Min.
Max Press 430	Max Press	From	To	Frac		Avg	15 Min.
Well Connection P.C.	Annulus Vol.	From	To			HHP Used	Annulus Pressure
Plug Depth 797	Packer Depth	From	To	Flush	Disp. Fresh water	Gas Volume	Total Load

Customer Representative Steve	Station Manager Scotty	Treater Allen F. Werth
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Service Units	28443	27463	19831	19862				
Driver Names	A. Werth	K. Lesley	Chis	Verch				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1200 AM					on/loc. Discuss Safety, Setup, Plan Job
1230					Run Back in Hole w/ D.P. 'Short Trip'
143					circ @ 817'
215					Start out of hole w/ Bit.
					out of Hole w/ Bit. - Drain Kelly Hose
					Start 8 5/8" csg. 25' weld + strap casing
355					CASING @ 817' Hookup + circ w/ Rig.
411	200#		80	6	Start mix 175SKS A-con Blend @ 12#
	300#			6	Start mix 150SKS com. w/ 2% gel
					3% CC, 1/4# Cell Flake @ 15#
			36		Finish mixing.
					Drop Top Rubber Plug. 8 5/8"
435	200#			5	Start Disp CAP. 51 BBLs
450	350#		51		Plug down shut in @ well
	0#				Release PSI
					Washup + Rackup Equip.
600					Job complete.
					Cement circ. To P.t.
					Thanks Allen, Keovan Verch

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KANSAS CORPORATION COMMISSION

MAY 11 2010

CONSERVATION DIVISION
WICHITA, KS

BASIC

energy services, L.P.

KCC

TREATMENT REPORT

Customer: **F G Holl Company, LLC** Lease No: **MAY 06 2010** Date: **3-5-10**
 Lease: **Phillips Trust 'A'** Well #: **1-15** **CONFIDENTIAL**
 Field Order #: **17181155A** Station: **Pratt KS** Casing: **4 1/2"** Depth: **3749'** County: **Sarton** State: **KANS.**
 Type Job: **4 1/2" Long String** Formation: **CNW** TO **3750** Legal Description: **15-20-14**

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2"	Tubing Size	Shots/Ft	12 BBLs	Acid	super Flush - (500 gal/s)	RATE	PRESS	ISIP
Depth 3749'	Depth	From	To 505sk	Pre Pad	60/40 Por scavenger @ 12#	Max		5 Min.
Volume 59.5 BB	Volume	From	To 125sk	Pad	AA2 @ 15#	Min		10 Min.
Max Press 1700	Max Press	From	To 505sk	Frac	60/40 Por, Plus Rat Hole + Mouse Hole	Avg		15 Min.
Well Connection P.C.	Annulus Vol.	From	To			HIP Used		Annulus Pressure
Plug Depth 3736	Packer Depth	From	To	Flush	DISP. Freshwater	Gas Volume		Total Load

Customer Representative: **Rob Long** Station Manager: **Scotty** Treater: **Allen F. Werth**

Service Units	2x443	19989	20920	19826	19860				
Driver Names	werth	Joe	melson	mi k	McGrw				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00 am					Duke # 8 on loc. Discuss Safety, Setup, Plan Job Laying down Drill Pipe.
8:00					out of hole w/ D.P. Rig up to Run 4 1/2 csg. 10.5#
9:30					RECEIVED KANSAS CORPORATION COMMISSION MAY 11 2010 CONSERVATION DIVISION WICHITA, KS Start 4 1/2 csg. Shoe Joint 13.03' w/ Float shoe + L.D. Baffle in collar Cent. 1-2-3-4-5-6-7-8; Basket on 6th Jt scratches 3516 - down to 3716'
11:30					Tag Bottom casing @ 3749 Hook up + cir + Rotate Pipe.
1:30 AM	200#		12	6	Start Pump 500 gal super flush
			5	6	Pump 5 BBLs H2O
	250#		12	6	Pump 505sk 60/40 Por scavenger 14#
	250#		32	6	Mix + Pump 125sk AA2 - 15#
	0#				Finish mix, washout Pump + Line Release L.D. Plug.
1:48				6	Start Disp cap. 59 1/2 BBLs
	400#			5	caught lift w/ 38 BBLs out
2:00	1700#		59 1/2	4	Plug down Release PSI
	0#				Plug Ret. + M.H. w/ 505sk 60/40 Por washup + Rack up. Job complete.

THANKS TO
ALLEN, MI. McGrw

Mud-Co / Service Mud Inc.

Operator **FG Holl** County **Barton** State **Kansas** Pump **6** X **14** X **60** SPM Casing Program **8 5/8** " @ **817** ft.
 Well **Phillips Trust A #1-15** Location _____ GPM **7.75** BPM _____ " @ _____ ft.
 Contractor **Duke #8** Sec **15** TWP **20S** RNG **14W** D.P. **4.5** in. **61.5** FT/MIN.R.A. _____ " @ _____ ft.
 Stockpoint **Pratt, Ks.** Date **2/23/2010** Engineer **Rick Hughes** Collar **6.25** in. **495** ft. **71.9** FT/MIN.R.A. Total Depth **3750** ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY			GELS 10 sec / 10 min.	pH Strip Meter	FILTRATION/IRTRATION 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 %					
2/23	234	9.6	63			23/43	7.0	7.6	1			5,000	N/C	4.3		95.7			2	Drilling	
2/25	1887	9.0	59	15	22	23/43	7.0	7.6	1			5,000	N/C	4.3		95.7				Drilling Displace w/Starch @ 1700	
2/26	2324	8.5	61	17	18	14/37	10.5	6.0	1			3,100	10	2.0		98.0				drilling Displaced w/Chemical	
2/27	3073	9.4	47	14	15	16/38	10.0	7.2	1			4,300	20	7.6		92.4				drilling at 2231'	
2/28	3294	9.4	50	14	16	17/46	9.5	8.0	1			5,300	20	7.5		92.5				drilling DST #1 @ 3226'	
3/1	3432	9.3	44	12	13	10/29	10.0	8.0	1			4,700	20	6.8		93.2		Tr		TIH w/ DST 3 DST #2 @ 3305'	
3/2	3556	9.4	48	13	12	26/48	10.5	9.6	1			4,700	40	7.5		92.5		1/2		TO w/Bit DST #3 @ 3432'	
3/3	3573	9.2	44	12	9	9/28	10.0	9.2	1			4,500	40	6.1		93.9		1/2		CFS DST #4 @ 3541	
3/4	3750	9.3	47	12	10	18/43	11.0	8.0	1			4,500	20	6.8		93.2		1/2		TO #/Log DST #5 @ 3556	
3/5	3750																			Final: DST #6 @ 3573	
																					LTD - 3750' Spotted Thick premix
																					6 DST's for log
																					Ran Pipe
																					Displaced with chemical mud early because Frac tank delveloped a hole
																					Chlorides : 24000 PPM Fluid : 1000
																					Offsite reserve pit. Steel pits with centrifugal transfer pump

MUD-CO / SERVICE MUD INC.

100 S. Main Suite #310
Wichita, Ks. 67202
316/264-2814 Fax: 316/264-5024

DRILLING MUD RECAP

Materials	Sacks	Amount	Materials	Sacks	Amount	Amount
C/S HULLS	60					
CAUSTIC SODA	21					
DESCO	4					
DRILL PAK	7					
MIL-GUEARD	2					
PREMIUM GEL	424					
SODA ASH	24					
STARCH	48					
SUPER LIG	14					
						Total Mud Cost
						Trucking Cost
						Trucking Surcharge
						Taxes
						TOTAL COST

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MAY 11 2010

CONSERVATION DIVISION
 WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **F.G HOLL COMPANY L.L.C**

9431 E CENTRAL
WICHITA KS 67208

ATTN: RYAN GREENBAUM

15-20S-14W BARTON

PHILLIPS TRUST A 1-15

Start Date: 2010.02.28 @ 20:00:00

End Date: 2010.03.01 @ 01:18:30

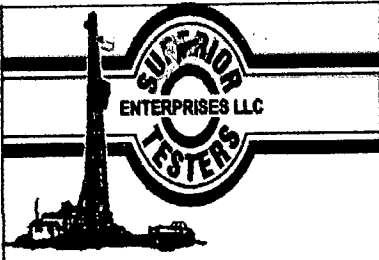
Job Ticket #: 16279 DST #: 1

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

Printed: 2010.02.28 @ 02:36:24

F.G HOLL COMPANY L.L.C PHILLIPS TRUST A 1-15 15-20S-14W BARTON DST # 1 TORONTO 2010.02.28



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16279 DST#: 1

ATTN: RYAN GREENBAUM

Test Start: 2010.02.28 @ 20:00:00

GENERAL INFORMATION:

Formation: **TORONTO**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:09:00

Time Test Ended: 01:18:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 11 M GB

Interval: 3140.00 ft (KB) To 3226.00 ft (KB) (TVD)

Total Depth: 3226.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1894.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: 105.07 psia @ 3221.00 ft (KB)

Start Date: 2010.02.28

End Date:

2010.03.01

Start Time: 20:00:00

End Time:

01:18:30

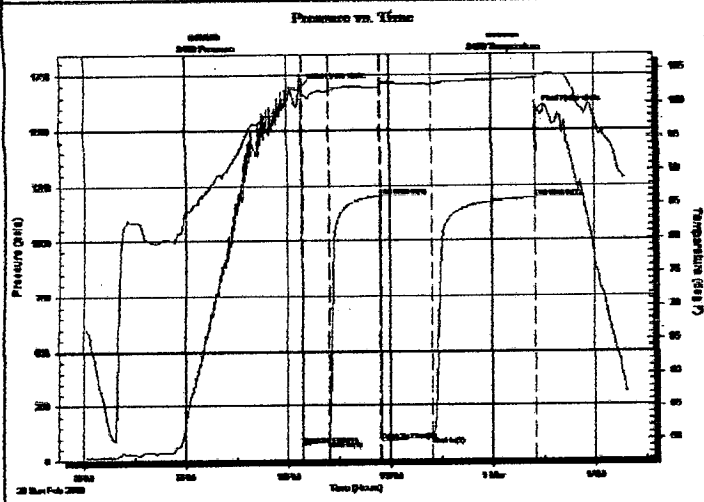
Capacity: 5000.00 psia

Last Calib.: 2010.02.28

Time On Btm: 2010.02.28 @ 22:08:00

Time Off Btm: 2010.03.01 @ 00:26:00

TEST COMMENT: 15-INITIAL OPENING WEAK BLOW BUILT TO 2 INCHES INTO WATER
30-INITIAL SHUT IN NO BLOW BACK
30-FINAL OPENING WEAK BLOW BUILT TO 2 1/2 INCHES INTO WATER
60-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

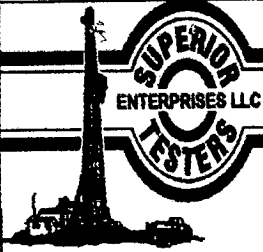
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1696.13	102.03	Initial Hydro-static
1	69.08	101.26	Open To Flow (1)
17	84.89	101.88	Shut-in(1)
46	1204.36	102.28	End Shut-in(1)
47	84.50	102.89	Open To Flow (2)
77	105.07	102.74	Shut-in(2)
137	1193.95	103.60	End Shut-in(2)
138	1588.37	103.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	MUD WITH A SLIGHT SHOW OF WATER	1.17/5%W

Gas Rates

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



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16279 DST#: 1

ATTN: RYAN GREENBAUM

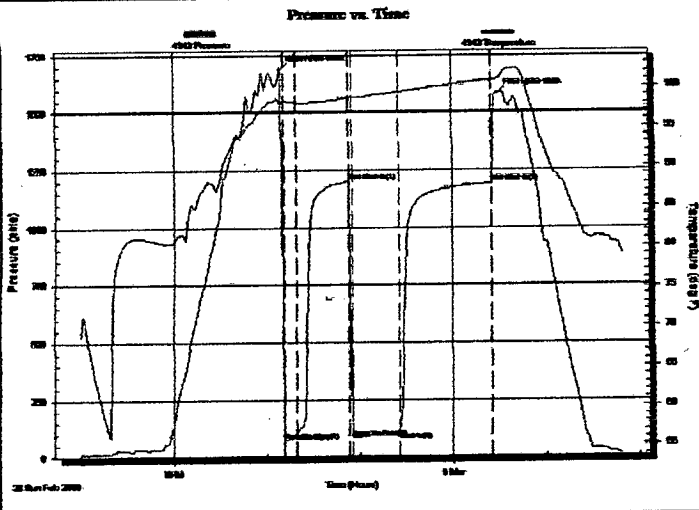
Test Start: 2010.02.28 @ 20:00:00

GENERAL INFORMATION:

Formation: **TORONTO**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:09:00
 Time Test Ended: 01:18:30
 Interval: **3140.00 ft (KB) To 3226.00 ft (KB) (TVD)**
 Total Depth: **3226.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: **DAVID NICHOLS**
 Unit No: **3345 11 MGB**
 Reference Elevations: **1894.00 ft (KB)**
1886.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 4143 Outside
 Press@RunDepth: **1190.73 psia @ 3221.00 ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2010.02.28** End Date: **2010.03.01** Last Calib.: **2010.02.28**
 Start Time: **20:00:00** End Time: **01:49:09** Time On Btmr: **2010.02.28 @ 22:09:10**
 Time Off Btmr: **2010.03.01 @ 00:29:10**

TEST COMMENT: 15-INITIAL OPENING WEAK BLOW BUILT TO 2 INCHES INTO WATER
 30-INITIAL SHUT IN NO BLOW BACK
 30-FINAL OPENING WEAK BLOW BUILT TO 2 1/2 INCHES INTO WATER
 60-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

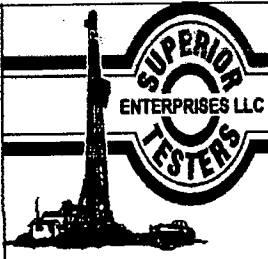
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1689.20	97.89	Initial Hydro-static
2	71.56	98.31	Open To Flow (1)
10	101.75	98.04	Shut-in(1)
44	1199.94	98.57	End Shut-in(1)
46	84.29	98.67	Open To Flow (2)
76	109.96	99.29	Shut-in(2)
136	1190.73	100.85	End Shut-in(2)
140	1580.55	100.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	MUD WITH A SLIGHT SHOW OF WATER	11.17/5%W

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16279

DST#: 1

ATTN: RYAN GREENBAUM

Test Start: 2010.02.28 @ 20:00:00

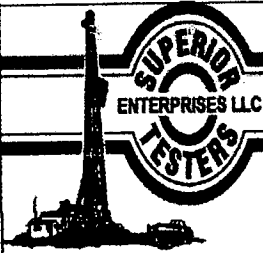
Tool Information

Drill Pipe:	Length: 3118.00 ft	Diameter: 3.88 inches	Volume: 45.60 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:	43000.00 lb
			Total Volume: 45.60 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	41000.00 lb
Depth to Top Packer:	3140.00 ft			Final	41000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	86.00 ft				
Tool Length:	115.00 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			3112.00	
Shut-in Tool	5.00			3117.00	
Hydroic Tool	5.00			3122.00	
Jars	6.00			3128.00	
Safety Joint	2.00			3130.00	
Packer	5.00			3135.00	29.00 Bottom Of Top Packer
Packer	5.00			3140.00	
Change Over Sub	0.75			3140.75	
Drill Pipe	62.50			3203.25	
Change Over Sub	0.75			3204.00	
Perforations	17.00			3221.00	
Recorder	0.00	8400	Inside	3221.00	
Recorder	0.00	4143	Outside	3221.00	
Bullnose	5.00			3226.00	86.00 Bottom Packers & Anchor

Total Tool Length: 115.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16279

DST#: 1

ATTN: RYAN GREENBAUM

Test Start: 2010.02.28 @ 20:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 4300.00 ppm
Filter Cake: 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
80.00	MUD WITH A SLIGHT SHOW OF WATER 95%	1.170

Total Length: 80.00 ft Total Volume: 1.170 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

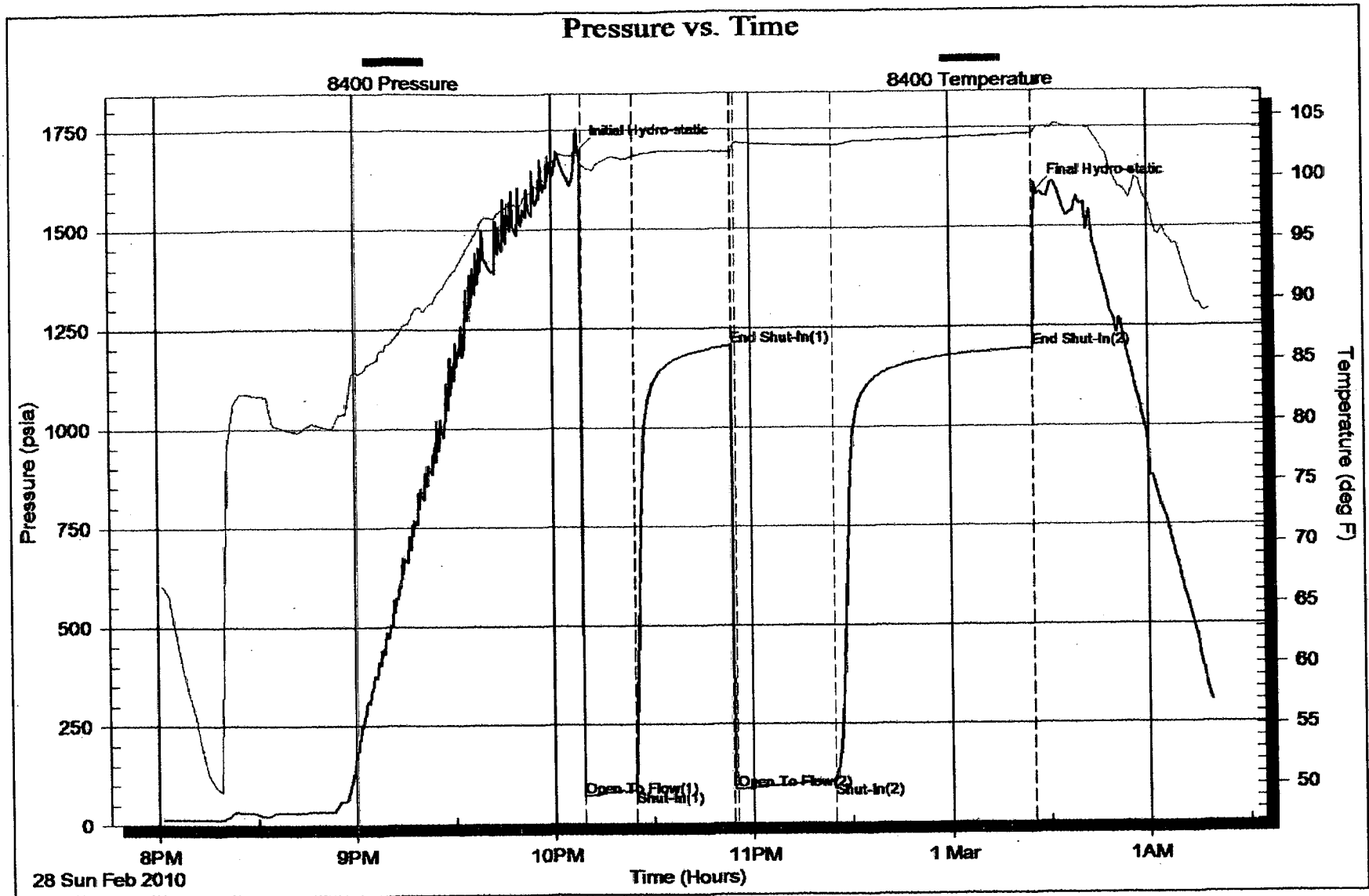
Serial #: 8400

Inside

F.G.HOLL COMPANY L.L.C

15-20S-14W BARTON

DST Test Number: 1

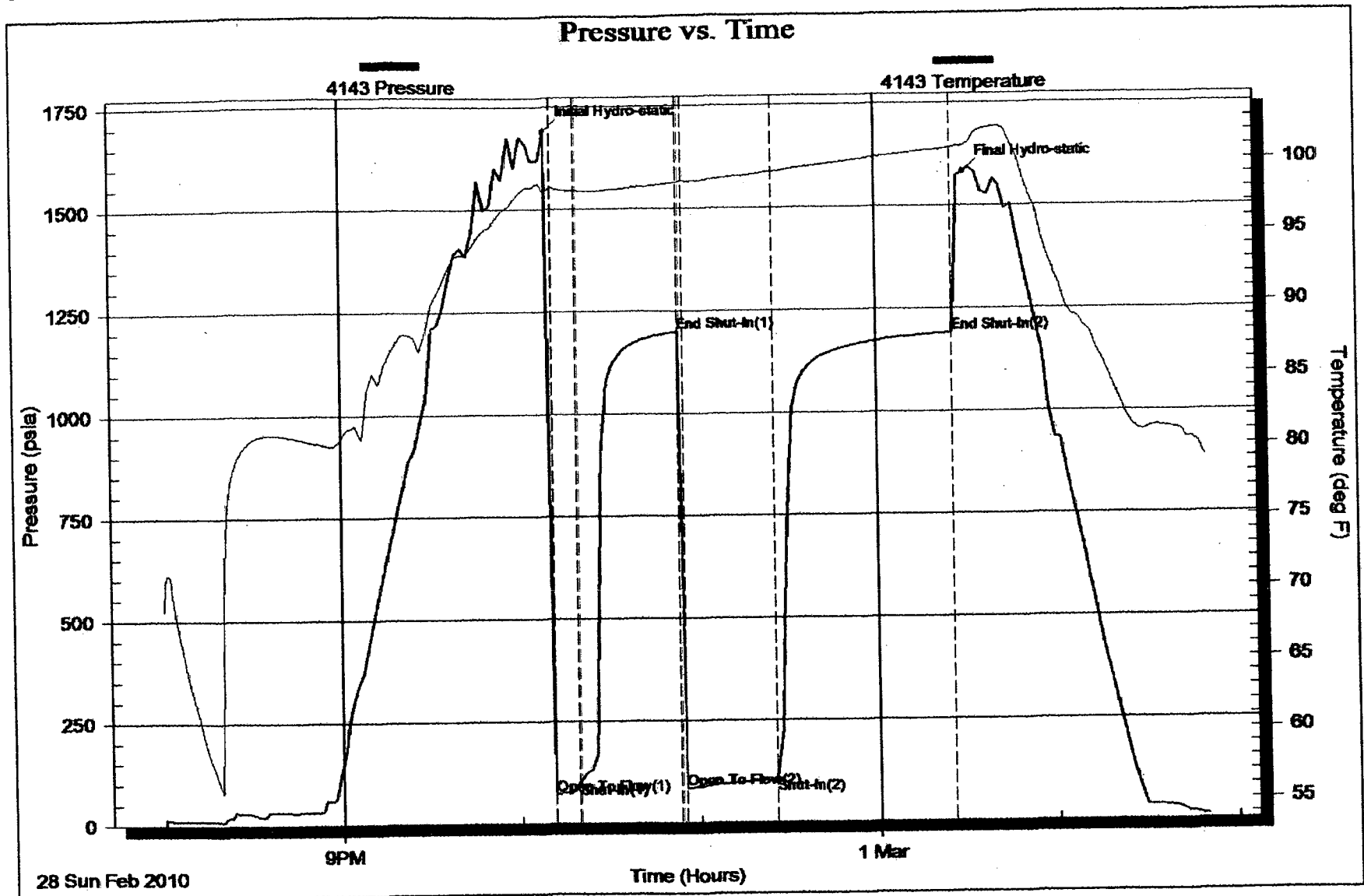


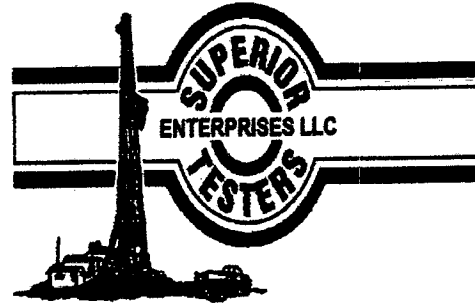
Serial #: 4143

Outside F.G HOLL COMPANY L.L.C

15-20S-14W BARTON

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **F.G HOLL COMPANY L.L.C**

9431 E CENTRAL
WICHITA KS 67208

ATTN: RYAN GREENBAUM

15-20S-14W BARTON

PHILLIPS TRUST A 1-15

Start Date: 2010.02.28 @ 12:00:00

End Date: 2010.02.28 @ 16:07:30

Job Ticket #: 16280 DST #: 2

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

Printed: 2010.02.28 @ 16:30:01

F.G HOLL COMPANY L.L.C

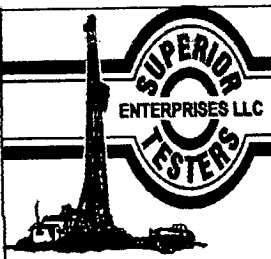
PHILLIPS TRUST A 1-15

15-20S-14W BARTON

DST # 2

LANSING A-D

2010.02.28



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16280 DST#: 2

ATTN: RYAN GREENBAUM

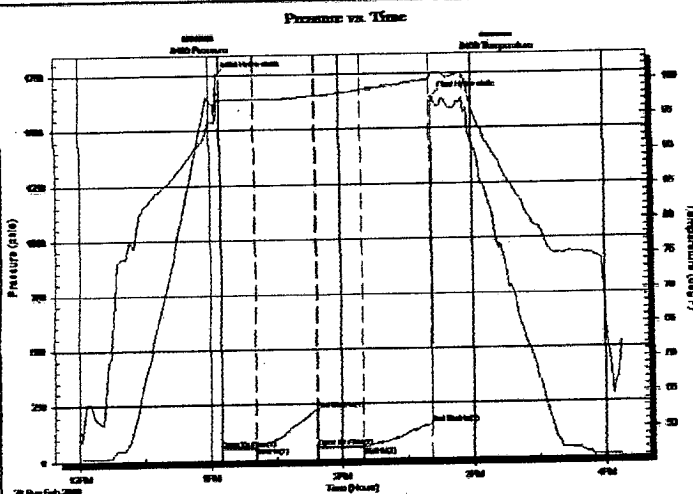
Test Start: 2010.02.28 @ 12:00:00

GENERAL INFORMATION:

Formation: **LANSING A-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:05:00
 Time Test Ended: 16:07:30
 Interval: **3248.00 ft (KB) To 3305.00 ft (KB) (TVD)**
 Total Depth: **3305.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 3345 11 MGB
 Reference Elevations: 1894.00 ft (KB)
 1886.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **8400** Inside
 Press@RunDepth: 56.84 psia @ 3300.00 ft (KB)
 Start Date: 2010.02.28 End Date: 2010.02.28
 Start Time: 12:00:00 End Time: 16:07:30
 Capacity: 5000.00 psia
 Last Calib.: 2010.02.28
 Time On Btrn: 2010.02.28 @ 13:03:40
 Time Off Btrn: 2010.02.28 @ 14:42:00

TEST COMMENT: 15-INITIAL OPENING WEAK BLOW BUILT TO 1/2 INCH INTO WATER
 30-INITIAL SHUT IN NO BLOW
 15-FINAL OPENING NO BLOW
 30-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

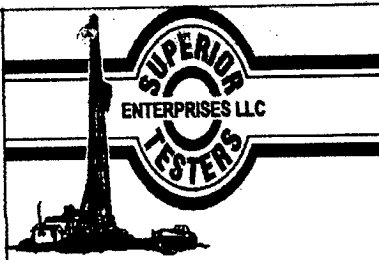
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1749.94	96.19	Initial Hydro-static
2	52.37	96.96	Open To Flow (1)
18	58.12	97.44	Shut-in(1)
45	225.52	97.92	End Shut-in(1)
46	56.12	97.87	Open To Flow (2)
66	56.84	98.65	Shut-in(2)
97	156.43	100.05	End Shut-in(2)
99	1643.32	101.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	MUD WITH A SHOW OF OIL BETWEEN	TC0.04:

Gas Rates

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



DRILL STEM TEST REPORT

F.G HOLL COMPANY LLC

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16280

DST#: 2

ATTN: RYAN GREENBAUM

Test Start: 2010.02.28 @ 12:00:00

GENERAL INFORMATION:

Formation: **LANSING A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:05:00

Time Test Ended: 16:07:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 11 MGB

Interval: **3248.00 ft (KB) To 3305.00 ft (KB) (TVD)**

Total Depth: 3305.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1894.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 4143

Outside

Press@RunDepth: 189.72 psia @ 3300.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2010.02.28

End Date: 2010.02.28

Last Calib.: 2010.02.28

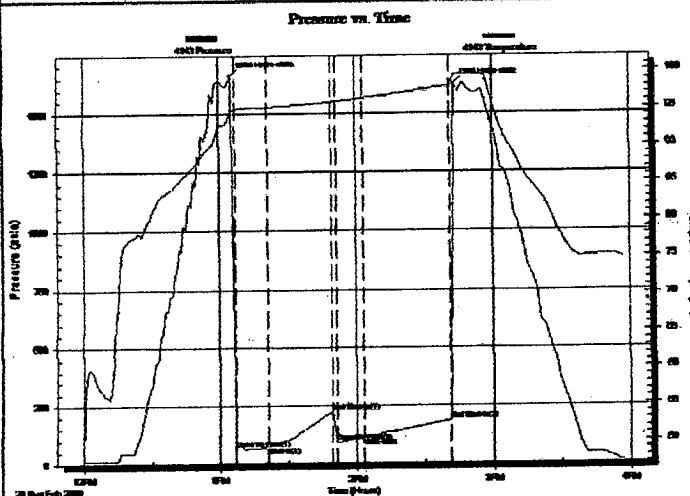
Start Time: 12:00:00

End Time: 15:57:10

Time On Btm: 2010.02.28 @ 13:05:09

Time Off Btm: 2010.02.28 @ 14:43:10

TEST COMMENT: 15-INITIAL OPENING WEAK BLOW BUILT TO 1/2 INCH INTO WATER
30-INITIAL SHUT IN NO BLOW
15-FINAL OPENING NO BLOW
30-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

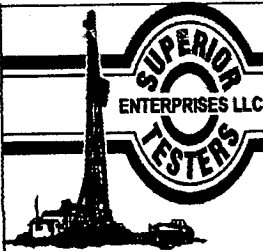
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1665.66	94.38	Initial Hydro-static
3	66.17	94.86	Open To Flow (1)
17	71.63	95.11	Shut-in(1)
44	227.13	95.76	End Shut-in(1)
47	92.72	95.84	Open To Flow (2)
59	111.83	96.28	Shut-in(2)
97	189.72	97.89	End Shut-in(2)
99	1626.91	99.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	MUD WITH A SHOW OF OIL BETWEEN TC0.04:	

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G HOLL COMPANY LLC

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16280 DST#: 2

ATTN: RYAN GREENBAUM

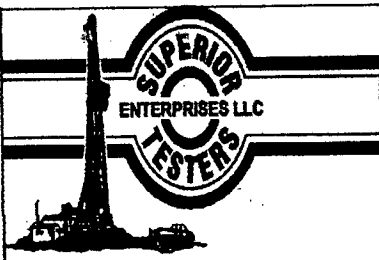
Test Start: 2010.02.28 @ 12:00:00

Tool Information

Drill Pipe:	Length: 3228.00 ft	Diameter: 3.88 inches	Volume: 47.21 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:	55000.00 lb
			Total Volume: 47.21 bbl	Tool Chased:	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3248.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	57.00 ft				
Tool Length:	86.00 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			3220.00	
Shut-In Tool	5.00			3225.00	
Hydroic Tool	5.00			3230.00	
Jars	6.00			3236.00	
Safety Joint	2.00			3238.00	
Packer	5.00			3243.00	29.00 Bottom Of Top Packer
Packer	5.00			3248.00	
Change Over Sub	0.75			3248.75	
Drill Pipe	31.50			3280.25	
Change Over Sub	0.75			3281.00	
Perforations	19.00			3300.00	
Recorder	0.00	8400	Inside	3300.00	
Recorder	0.00	4143	Outside	3300.00	
Bullnose	5.00			3305.00	57.00 Bottom Packers & Anchor

Total Tool Length: 86.00



DRILL STEM TEST REPORT **FLUID SUMMARY**

F.G HOLL COMPANY LLC 9431 E CENTRAL WICHITA KS 67208 ATTN: RYAN GREENBAUM	PHILLIPS TRUST A 1-15 15-20S-14W BARTON Job Ticket: 16280 DST#: 2 Test Start: 2010.02.28 @ 12:00:00
--	---

Mud and Cushion Information

Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 50.00 sec/qt Water Loss: 8.00 in ³ Resistivity: ohm.m Salinity: 5300.00 ppm Filter Cake: inches	Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psia	Oil API: Water Salinity: ppm deg API
--	---	--

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	MUD WITH A SHOW OF OIL BETWEEN TOOLS	0.044

Total Length: 3.00 ft	Total Volume: 0.044 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

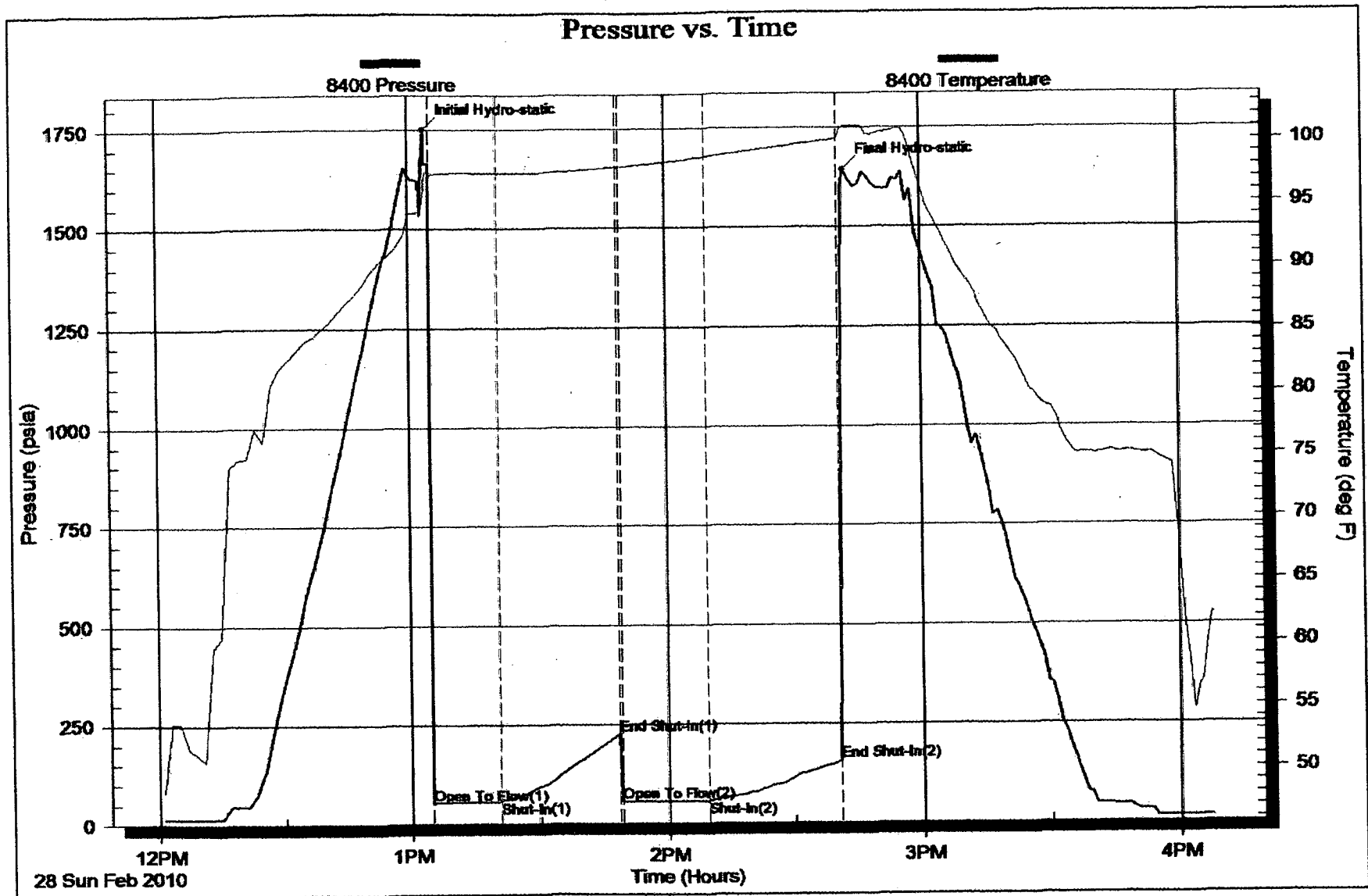
Serial #: 8400

Inside

F.G.HOLL COMPANY L.L.C

15-20S-14W BARTON

DST Test Number: 2

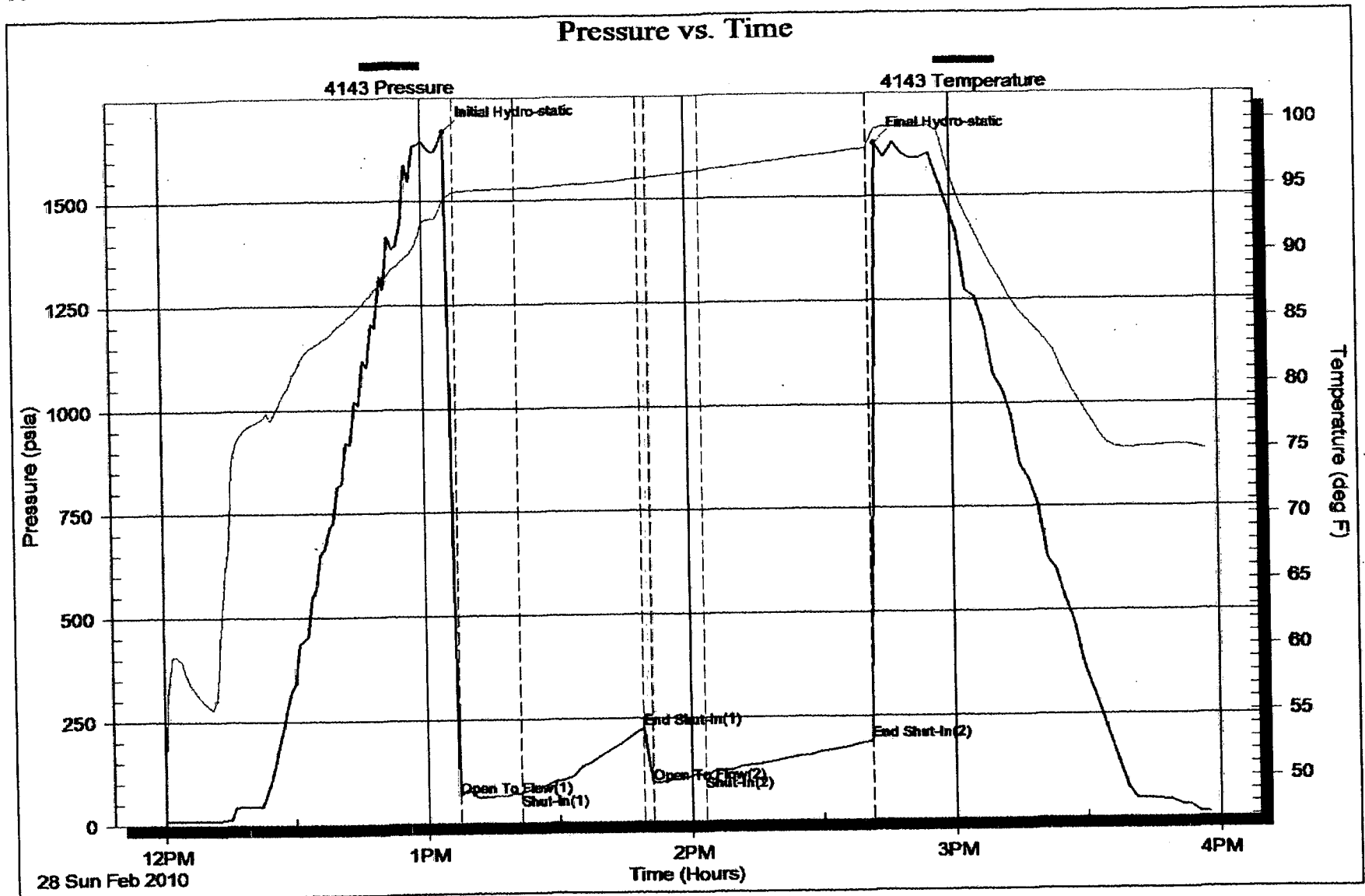


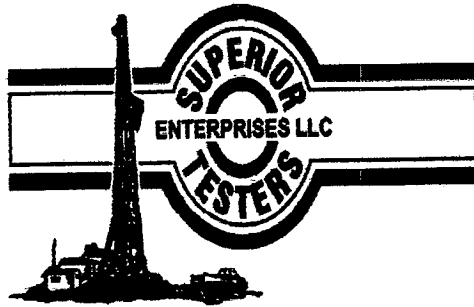
Serial #: 4143

Outside F.G.HOLL COMPANY L.L.C

15-20S-14W BARTON

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **F.G HOLL COMPANY L.L.C**

9431 E CENTRAL
WICHITA KS 67208

ATTN: RYAN GREENBAUM

15-20S-14W BARTON

PHILLIPS TRUST A 1-15

Start Date: 2010.03.01 @ 08:00:00

End Date: 2010.03.01 @ 14:29:00

Job Ticket #: 16281 DST #: 3

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

Printed: 2010.03.01 @ 14:13:48

F.G HOLL COMPANY L.L.C

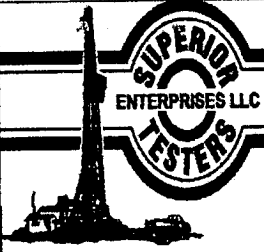
PHILLIPS TRUST A 1-15

15-20S-14W BARTON

DST # 3

LANSING J

2010.03.01



DRILL STEM TEST REPORT

F.G HOLL COMPANY LLC

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16281 DST#: 3

ATTN: RYAN GREENBAUM

Test Start: 2010.03.01 @ 08:00:00

GENERAL INFORMATION:

Formation: LANSING J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:29:10

Time Test Ended: 14:29:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 11 GB

Interval: 3411.00 ft (KB) To 3432.00 ft (KB) (TVD)

Total Depth: 3432.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1894.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: 39.75 psia @ 3428.00 ft (KB)

Start Date: 2010.03.01

End Date: 2010.03.01

Start Time: 08:00:00

End Time: 14:29:00

Capacity: 5000.00 psia

Last Calib.: 2010.03.01

Time On Btrr: 2010.03.01 @ 09:28:30

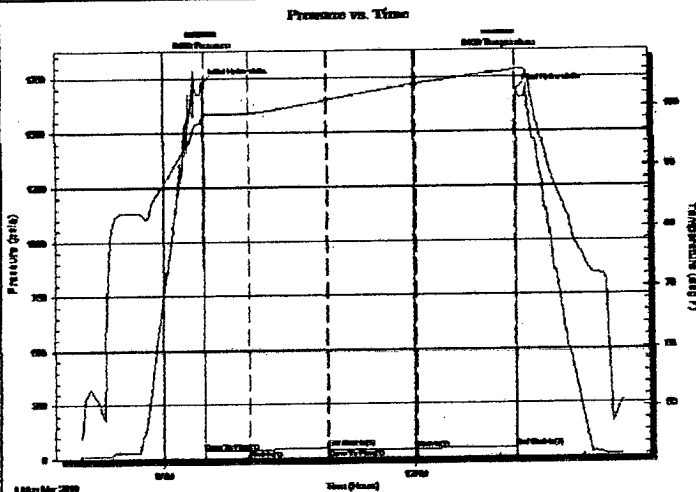
Time Off Btrr: 2010.03.01 @ 13:14:00

TEST COMMENT: 30-INITIAL OPENING WEAK BLOW BUILT 1 1/2 INTO WATER

80-INITIAL SHUT IN NO BLOW BACK

45-FINAL OPENING WEAK SURFACE BLOW

90-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

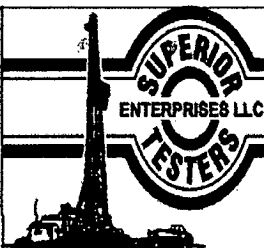
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1730.32	98.44	Initial Hydro-static
1	36.42	98.04	Open To Flow (1)
33	37.94	98.89	Shut-in(1)
89	46.29	101.04	End Shut-in(1)
90	37.83	101.06	Open To Flow (2)
153	39.75	103.61	Shut-in(2)
224	44.75	105.85	End Shut-in(2)
226	1690.72	106.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD WITH A STAIN OF OIL	0.07

Gas Rates

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



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

ATTN: RYAN GREENBAUM

Job Ticket: 16281

DST#: 3

Test Start: 2010.03.01 @ 08:00:00

GENERAL INFORMATION:

Formation: **LANSING J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:29:10

Time Test Ended: 14:29:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 11 GB

Interval: **3411.00 ft (KB) To 3432.00 ft (KB) (TVD)**

Reference Elevations: 1894.00 ft (KB)

Total Depth: 3432.00 ft (KB) (TVD)

1886.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 4143 Outside

Press@RunDepth: 43.17 psia @ 3429.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2010.03.01

End Date: 2010.03.01

Last Calib.: 2010.03.01

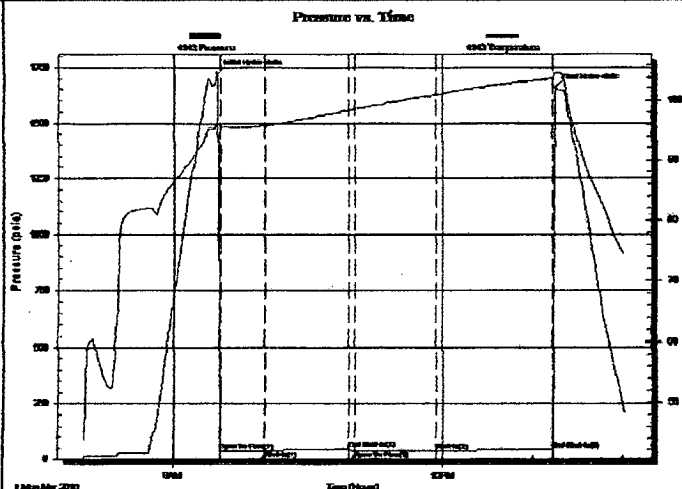
Start Time: 08:00:00

End Time: 14:01:09

Time On Btm: 2010.03.01 @ 09:29:09

Time Off Btm: 2010.03.01 @ 13:15:10

TEST COMMENT: 30-INITIAL OPENING WEAK BLOW BUILT 1 1/2 INTO WATER
60-INITIAL SHUT IN NO BLOW BACK
45-FINAL OPENING WEAK SURFACE BLOW
90-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

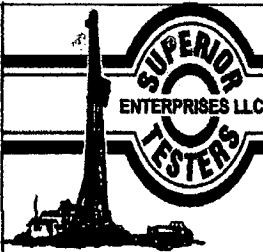
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1725.96	96.24	Initial Hydro-static
3	36.27	95.87	Open To Flow (1)
33	37.29	95.84	Shut-in(1)
89	45.16	98.37	End Shut-in(1)
93	36.97	98.56	Open To Flow (2)
147	37.85	101.00	Shut-in(2)
225	43.17	103.79	End Shut-in(2)
227	1659.99	104.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD WITH A STAIN OF OIL	0.07

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G HOLL COMPANY LLC

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16281

DST#: 3

ATTN: RYAN GREENBAUM

Test Start: 2010.03.01 @ 08:00:00

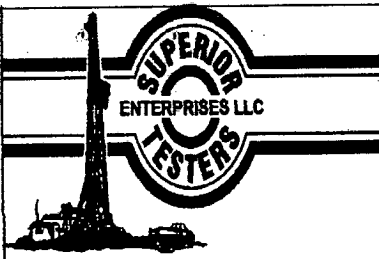
Tool Information

Drill Pipe:	Length: 3391.00 ft	Diameter: 3.88 inches	Volume: 49.59 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: 50000.00 lb
			<u>Total Volume: 49.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3411.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	50.00 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			3383.00	
Shut-in Tool	5.00			3388.00	
Hydroic Tool	5.00			3393.00	
Jars	6.00			3399.00	
Safety Joint	2.00			3401.00	
Packer	5.00			3406.00	29.00 Bottom Of Top Packer
Packer	5.00			3411.00	
Perforations	16.00			3427.00	
Recorder	1.00	8400	Inside	3428.00	
Recorder	1.00	4143	Outside	3429.00	
Buffnose	3.00			3432.00	21.00 Bottom Packers & Anchor

Total Tool Length: 50.00



DRILL STEM TEST REPORT **FLUID SUMMARY**

F.G HOLL COMPANY LLC 9431 E CENTRAL WICHITA KS 67208 ATTN: RYAN GREENBAUM	PHILLIPS TRUST A 1-15 15-20S-14W BARTON Job Ticket: 16281 DST#: 3 Test Start: 2010.03.01 @ 08:00:00
--	---

Mud and Cushion Information

Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 44.00 sec/qt Water Loss: 8.00 in ³ Resistivity: ohm.m Salinity: 4700.00 ppm Filter Cake: inches	Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psia	Oil API: Water Salinity: ppm deg API
--	---	--

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MUD WITH A STAIN OF OIL	0.073

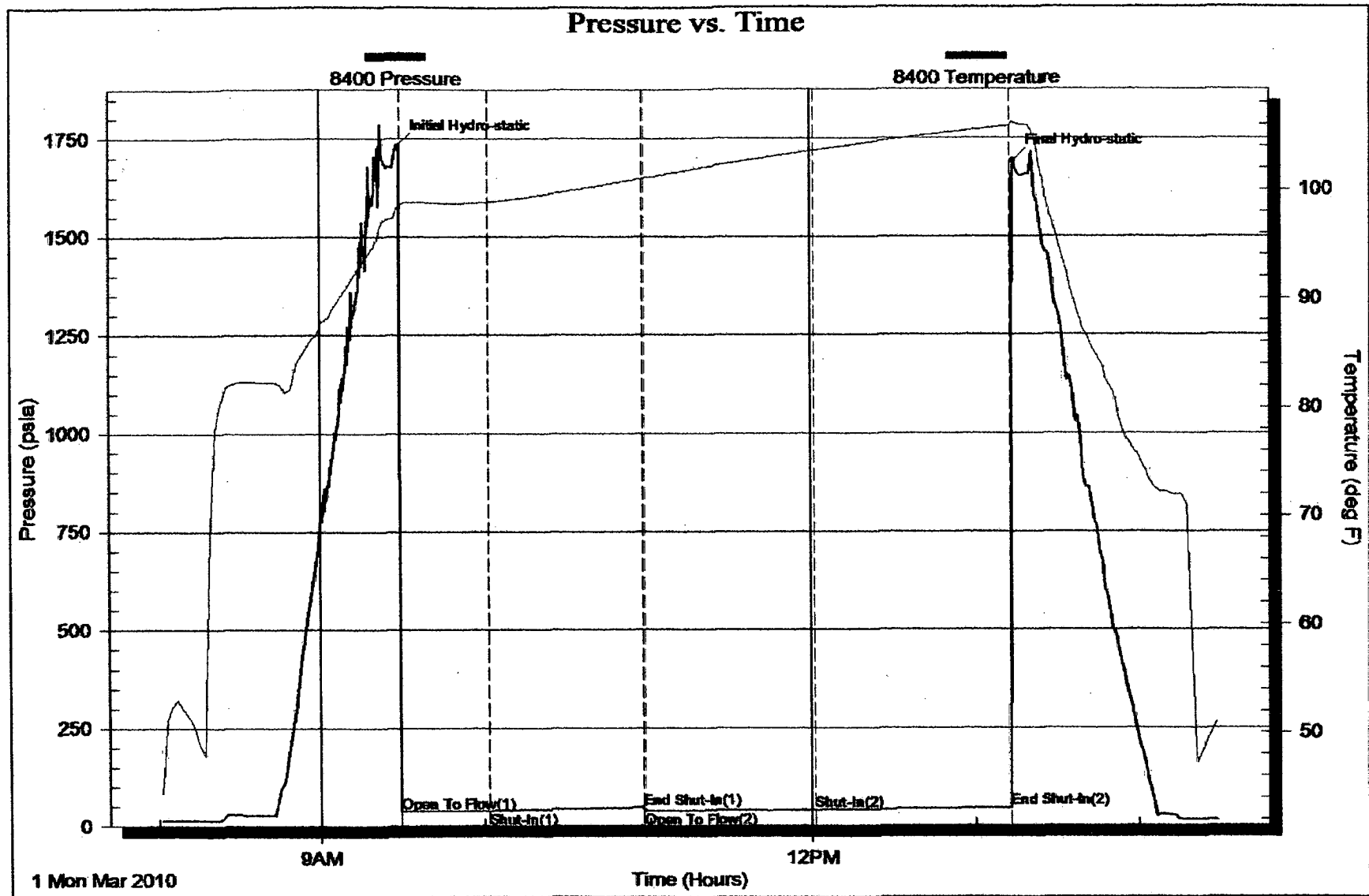
Total Length:	5.00 ft	Total Volume:	0.073 bbl	
Num Fluid Samples:	0	Num Gas Bombs:	0	Serial #:
Laboratory Name:		Laboratory Location:		
Recovery Comments:				

Serial #: 8400

Inside F.G HOLL COMPANY L.L.C

15-20S-14W BARTON

DST Test Number: 3

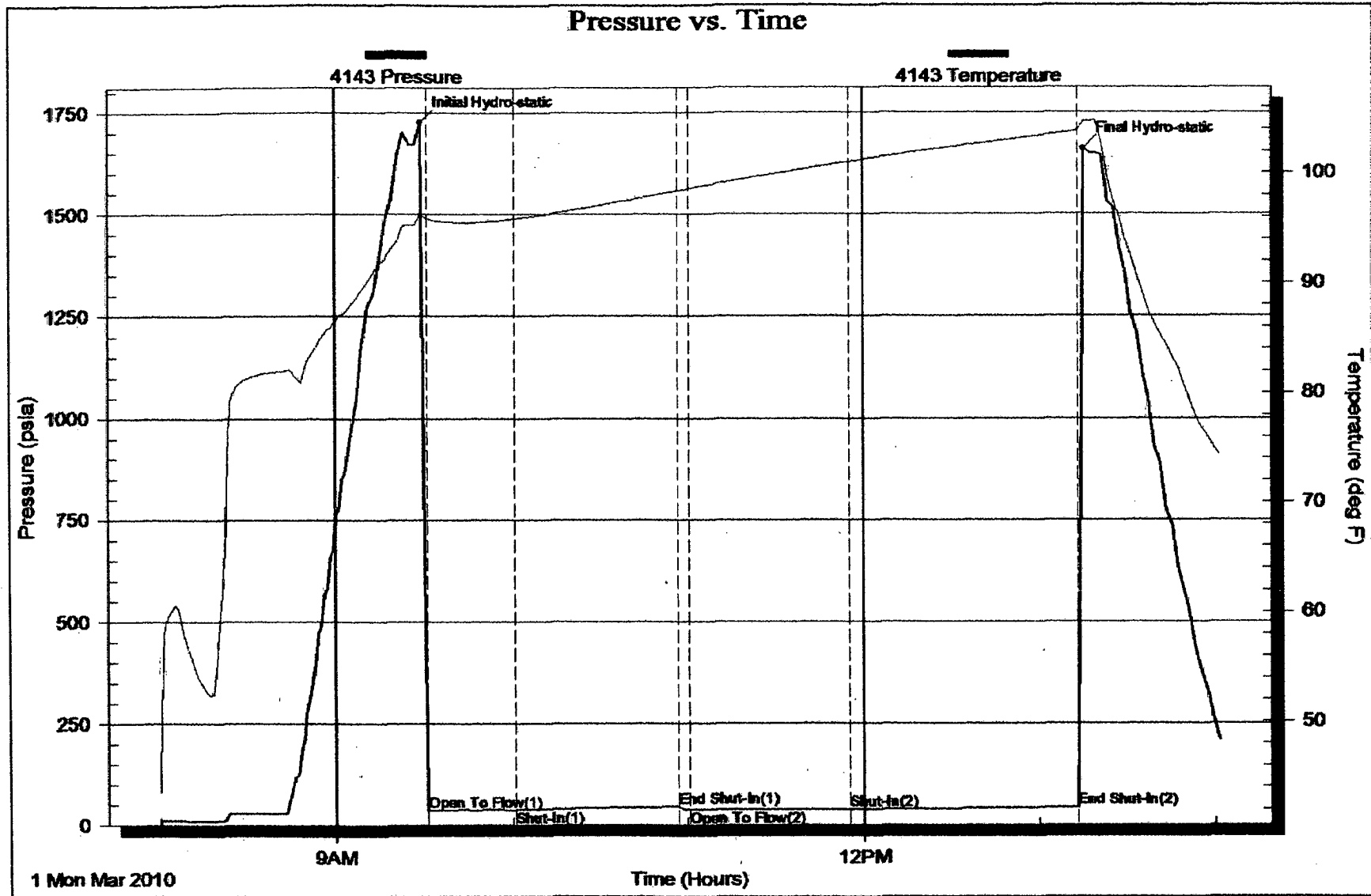


Serial #: 4143

Outside F.G.HOLL COMPANY L.L.C

15-20S-14W BARTON

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **F.G HOLL COMPANY L.L.C**

9431 E CENTRAL
WICHITA KS 67208

ATTN: RYAN GREENBAUM

15-20S-14W BARTON

PHILLIPS TRUST A 1-15

Start Date: 2010.03.02 @ 01:00:00

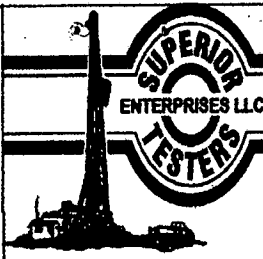
End Date: 2010.03.02 @ 07:32:30

Job Ticket #: 16282 DST #: 4

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

Printed: 2010.03.02 @ 08:09:17

F.G HOLL COMPANY L.L.C PHILLIPS TRUST A 1-15 15-20S-14W BARTON DST # 4 CONGLOMERATE ARBUCKL 2010.03.02



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16282

DST#: 4

ATTN: RYAN GREENBAUM

Test Start: 2010.03.02 @ 01:00:00

GENERAL INFORMATION:

Formation: **CONGLOMERATE ARBUCKL**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:42:40

Time Test Ended: 07:32:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 11 M GB

Interval: 3475.00 ft (KB) To 3541.00 ft (KB) (TVD)

Total Depth: 3541.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1894.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8400 Inside

Press@RunDepth: 106.80 psia @ 3537.00 ft (KB)

Start Date: 2010.03.02

End Date: 2010.03.02

Start Time: 01:00:00

End Time: 07:32:30

Capacity: 5000.00 psia

Last Calib.: 2010.03.02

Time On Btm: 2010.03.02 @ 02:40:30

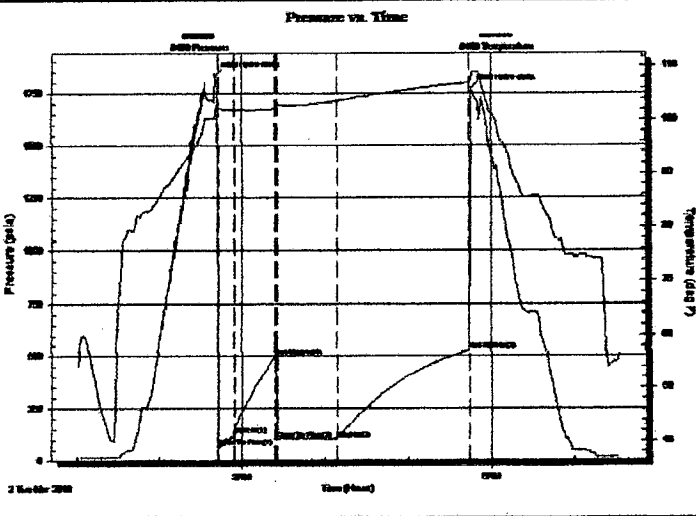
Time Off Btm: 2010.03.02 @ 05:46:00

TEST COMMENT: 10-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 4 MINS

30-INITIAL SHUT IN WEAK BLOW BACK

45-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 20 SEC THEN DIED BACK TO A FAIR BLOW

90-FINAL SHUT IN WEAK BLOW BACK



PRESSURE SUMMARY

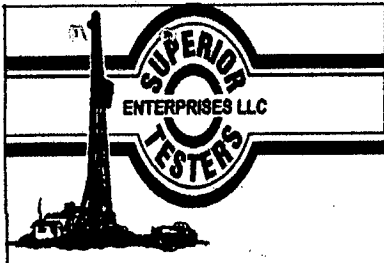
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1834.10	101.37	Initial Hydro-static
3	69.10	102.11	Open To Flow (1)
14	128.31	101.87	Shut-in(1)
44	502.79	102.11	End Shut-in(1)
45	105.37	102.97	Open To Flow (2)
89	106.80	103.60	Shut-in(2)
184	530.30	107.03	End Shut-in(2)
186	1770.96	107.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	MUD 100%MUD	2.19

Gas Rates

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



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

ATTN: RYAN GREENBAUM

Job Ticket: 16282

DST#: 4

Test Start: 2010.03.02 @ 01:00:00

GENERAL INFORMATION:

Formation: **CONGLOMERATE ARBUCKL**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:42:40

Time Test Ended: 07:32:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 11 M GB

Interval: 3475.00 ft (KB) To 3541.00 ft (KB) (TVD)

Total Depth: 3541.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1894.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 4143 Outside

Press@RunDepth: 534.62 psia @ 3538.00 ft (KB)

Start Date: 2010.03.02

End Date:

2010.03.02

Capacity: 5000.00 psia

Last Calib.: 2010.03.02

Start Time: 01:00:00

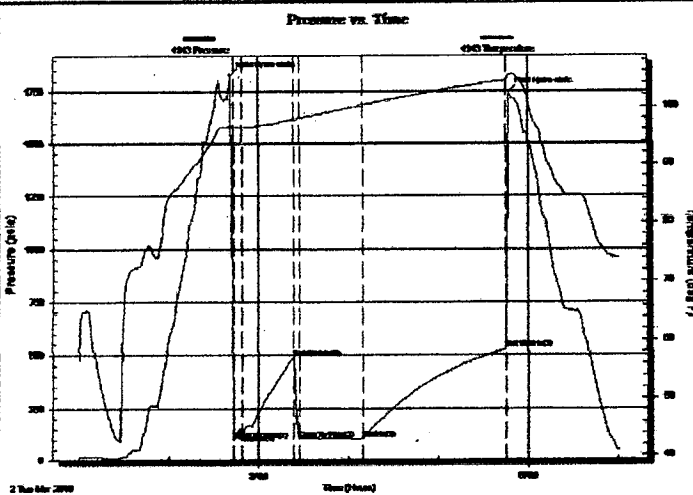
End Time:

07:01:09

Time On Btm: 2010.03.02 @ 02:41:09

Time Off Btm: 2010.03.02 @ 05:47:10

TEST COMMENT: 10-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 4 MINS
30-INITIAL SHUT IN WEAK BLOW BACK
45-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 20 SEC THEN DIED BACK TO A FAIR BLOW
90-FINAL SHUT IN WEAK BLOW BACK



PRESSURE SUMMARY

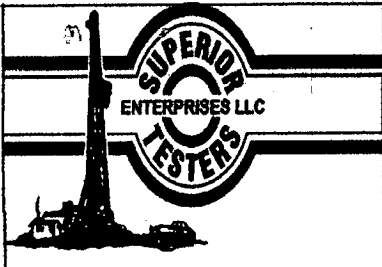
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1828.20	96.65	Initial Hydro-static
3	99.13	96.63	Open To Flow (1)
9	126.57	96.50	Shut-In(1)
42	489.77	97.75	End Shut-In(1)
47	105.28	97.97	Open To Flow (2)
89	104.00	100.21	Shut-In(2)
185	534.62	104.53	End Shut-In(2)
187	1747.22	105.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	MUD 100%MUD	2.19

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16282

DST#: 4

ATTN: RYAN GREENBAUM

Test Start: 2010.03.02 @ 01:00:00

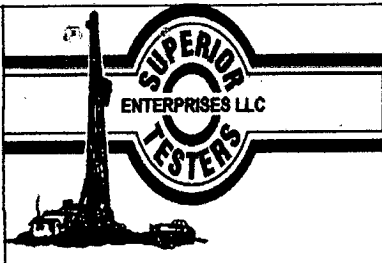
Tool Information

Drill Pipe:	Length: 3455.00 ft	Diameter: 3.88 inches	Volume: 50.53 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: 60000.00 lb
			Total Volume: 50.53 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3475.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	95.00 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			3447.00	
Shut-in Tool	5.00			3452.00	
Hydroic Tool	5.00			3457.00	
Jars	6.00			3463.00	
Safety Joint	2.00			3465.00	
Packer	5.00			3470.00	29.00 Bottom Of Top Packer
Packer	5.00			3475.00	
Change Over Sub	0.75			3475.75	
Drill Pipe	31.50			3507.25	
Change Over Sub	0.75			3508.00	
Perforations	28.00			3536.00	
Recorder	1.00	8400	Inside	3537.00	
Recorder	1.00	4143	Outside	3538.00	
Bullnose	3.00			3541.00	66.00 Bottom Packers & Anchor

Total Tool Length: 95.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16282

DST#: 4

ATTN: RYAN GREENBAUM

Test Start: 2010.03.02 @ 01:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 8.00 in³
Resistivity: ohm.m
Salinity: 4700.00 ppm
Filter Cake: 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	MUD 100%MUD	2.194

Total Length: 150.00 ft Total Volume: 2.194 bbl

Num Fluid Samples: 0

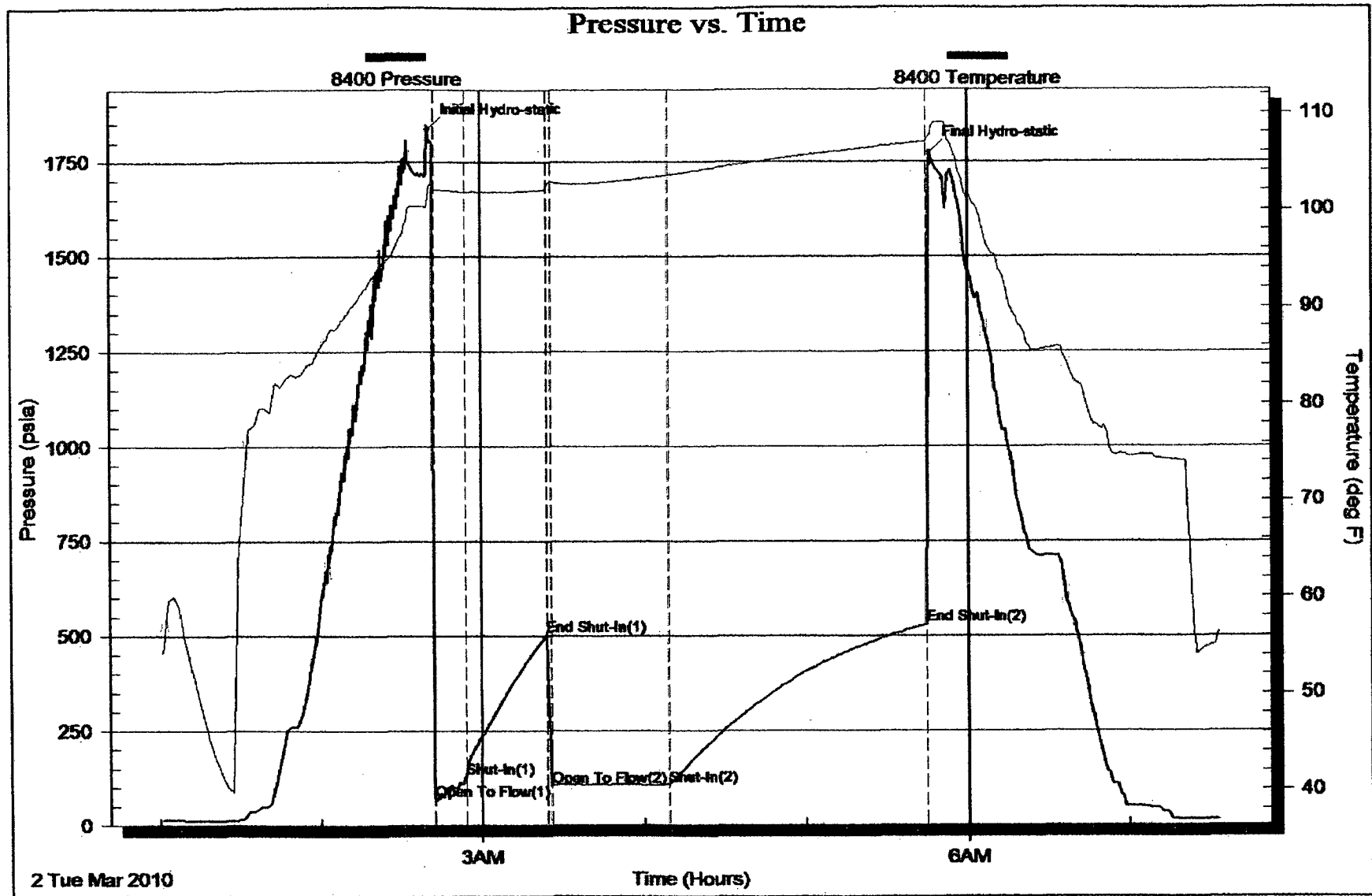
Num Gas Bombs: 0

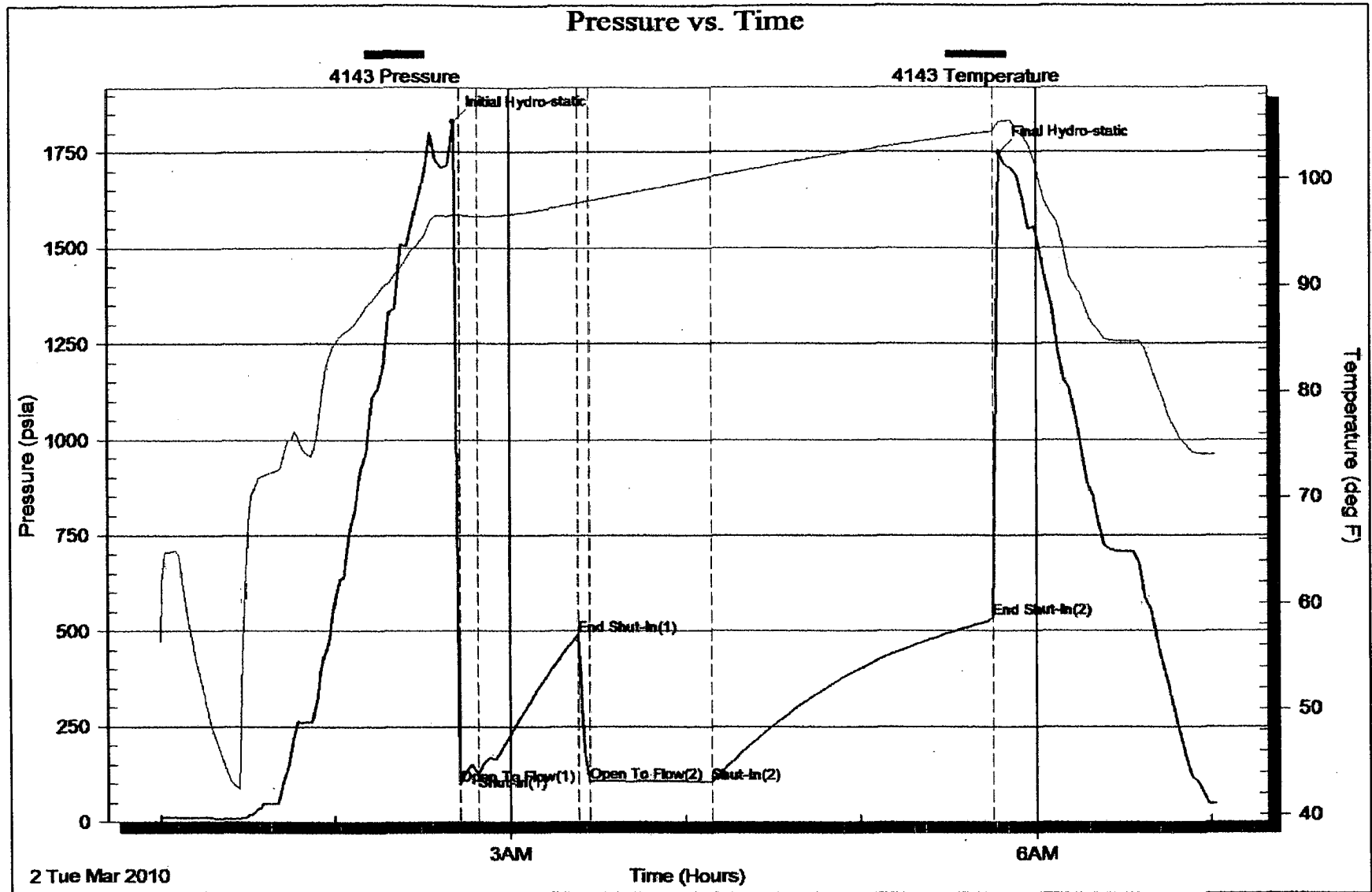
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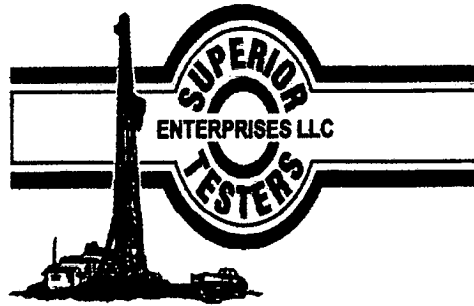
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **F.G HOLL COMPANY L.L.C**

9431 E CENTRAL
WICHITA KS 67208

ATTN: RYAN GREENBAUM

15-20S-14W BARTON

PHILLIPS TRUST A 1-15

Start Date: 2010.03.02 @ 14:00:00

End Date: 2010.03.02 @ 21:45:30

Job Ticket #: 16283 DST #: 5

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

Printed: 2010.03.02 @ 22:17:11

F.G HOLL COMPANY L.L.C

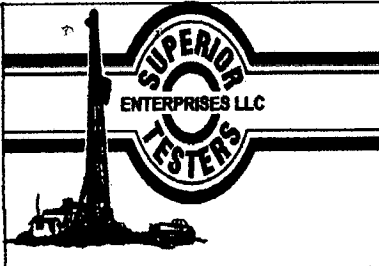
PHILLIPS TRUST A 1-15

15-20S-14W BARTON

DST # 5

ARBUCKLE

2010.03.02



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16283

DST#: 5

ATTN: RYAN GREENBAUM

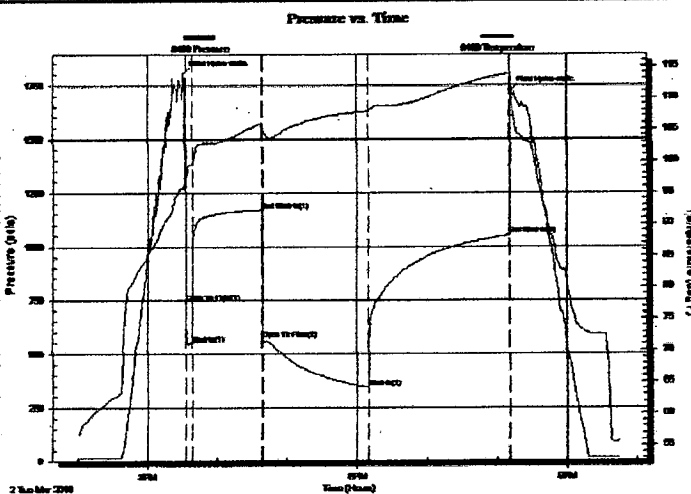
Test Start: 2010.03.02 @ 14:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 15:32:30 Tester: DAVID NICHOLS
 Time Test Ended: 21:45:30 Unit No: 3345 11 GB
 Interval: 3540.00 ft (KB) To 3556.00 ft (KB) (TVD) Reference Elevations: 1894.00 ft (KB)
 Total Depth: 3556.00 ft (KB) (TVD) 1886.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8400 Inside
 Press@RunDepth: 343.96 psia @ 3552.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2010.03.02 End Date: 2010.03.02 Last Calib.: 2010.03.02
 Start Time: 14:00:00 End Time: 21:45:30 Time On Btm: 2010.03.02 @ 15:30:30
 Time Off Btm: 2010.03.02 @ 20:11:30

TEST COMMENT: 5-INITIAL OPENING STRONG BLOW BOTTOM BUCKET IN 30 SEC
 60-INITIAL SHUT IN GOOD BLOW BACK
 90-FINAL OPENING STRONG BLOW BOTTOM BUCKET IN 20 SEC
 120-FINAL SHUT IN GOOD BLOW BACK



PRESSURE SUMMARY

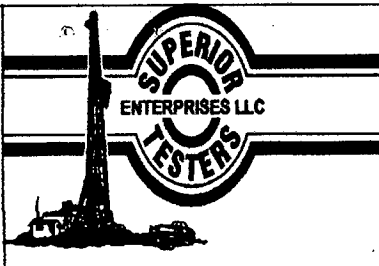
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1803.10	95.78	Initial Hydro-static
2	738.62	96.28	Open To Flow (1)
8	547.40	99.43	Shut-in(1)
68	1170.23	105.97	End Shut-in(1)
69	571.91	104.90	Open To Flow (2)
160	343.96	107.77	Shut-in(2)
281	1051.85	113.83	End Shut-in(2)
281	1722.92	113.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MUDDY WATER 80%M20%WATER	0.42

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	88.00	2681.61
Last Gas Rate	1.00	55.00	1676.01
Max. Gas Rate	1.00	88.00	2681.61



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

ATTN: RYAN GREENBAUM

Job Ticket: 16283

DST#: 5

Test Start: 2010.03.02 @ 14:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:32:30

Time Test Ended: 21:45:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 11 GB

Interval: 3540.00 ft (KB) To 3556.00 ft (KB) (TVD)

Total Depth: 3556.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1894.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 4143

Outside

Press@RunDepth: 1045.20 psia @ 3553.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2010.03.02

End Date: 2010.03.02

Last Calib.: 2010.03.02

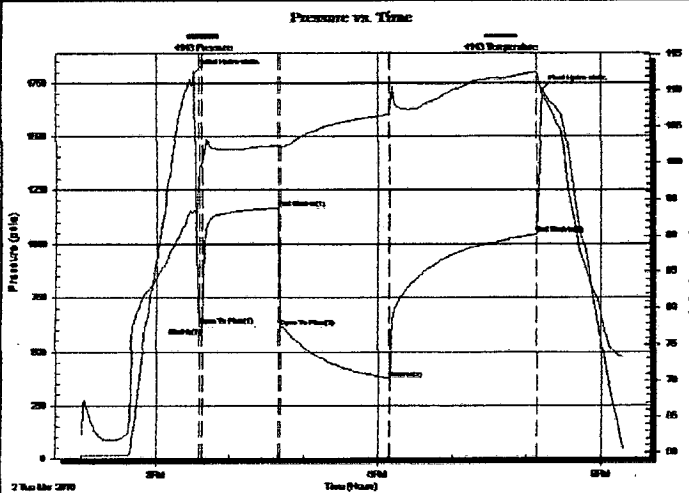
Start Time: 14:00:00

End Time: 21:18:10

Time On Btm: 2010.03.02 @ 15:31:09

Time Off Btm: 2010.03.02 @ 20:13:10

TEST COMMENT: 5-INITIAL OPENING STRONG BLOW BOTTOM BUCKET IN 30 SEC
60-INITIAL SHUT IN GOOD BLOW BACK
90-FINAL OPENING STRONG BLOW BOTTOM BUCKET IN 20 SEC
120-FINAL SHUT IN GOOD BLOW BACK



PRESSURE SUMMARY

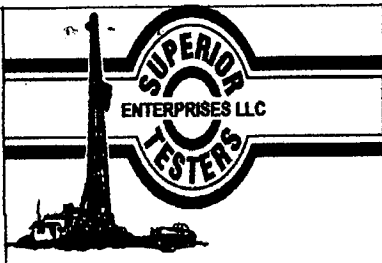
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1799.84	93.49	Initial Hydro-static
5	623.21	99.28	Open To Flow (1)
7	615.56	99.95	Shut-in(1)
69	1165.90	102.39	End Shut-in(1)
71	613.51	102.07	Open To Flow (2)
159	374.41	106.55	Shut-in(2)
278	1045.20	112.65	End Shut-in(2)
283	1716.67	109.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MUDDY WATER 80%M20%WATER	0.42

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	88.00	2681.61
Last Gas Rate	1.00	55.00	1676.01
Max. Gas Rate	1.00	88.00	2681.61



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16283

DST#: 5

ATTN: RYAN GREENBAUM

Test Start: 2010.03.02 @ 14:00:00

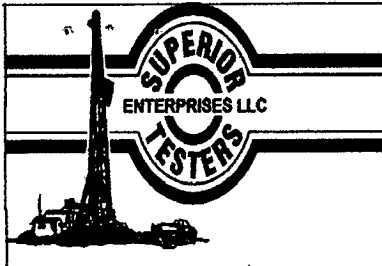
Tool Information

Drill Pipe:	Length: 3520.00 ft	Diameter: 3.80 inches	Volume: 49.38 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: 55000.00 lb
			<u>Total Volume: 49.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3540.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	45.00 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			3512.00	
Shut-In Tool	5.00			3517.00	
Hydroic Tool	5.00			3522.00	
Jars	6.00			3528.00	
Safety Joint	2.00			3530.00	
Packer	5.00			3535.00	29.00 Bottom Of Top Packer
Packer	5.00			3540.00	
Perforations	11.00			3551.00	
Recorder	1.00	8400	Inside	3552.00	
Recorder	1.00	4143	Outside	3553.00	
Bullnose	3.00			3556.00	16.00 Bottom Packers & Anchor

Total Tool Length: 45.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16283

DST#: 5

ATTN: RYAN GREENBAUM

Test Start: 2010.03.02 @ 14:00:00

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: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
30.00	MUDDY WATER 80%M20%WATER	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbf

Num Fluid Samples: 0

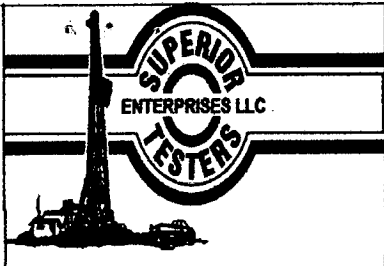
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16283

DST#: 5

ATTN: RYAN GREENBAUM

Test Start: 2010.03.02 @ 14:00:00

Gas Rates Information

Temperature: 2 (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	88.00	2681.61
2	20	1.00	88.00	2681.61
2	30	1.00	84.00	2559.72
2	40	1.00	66.00	2011.21
2	50	1.00	65.00	1980.74
2	60	1.00	64.00	1950.26
2	70	1.00	62.00	1889.32
2	80	1.00	55.00	1676.01
2	90	1.00	55.00	1676.01

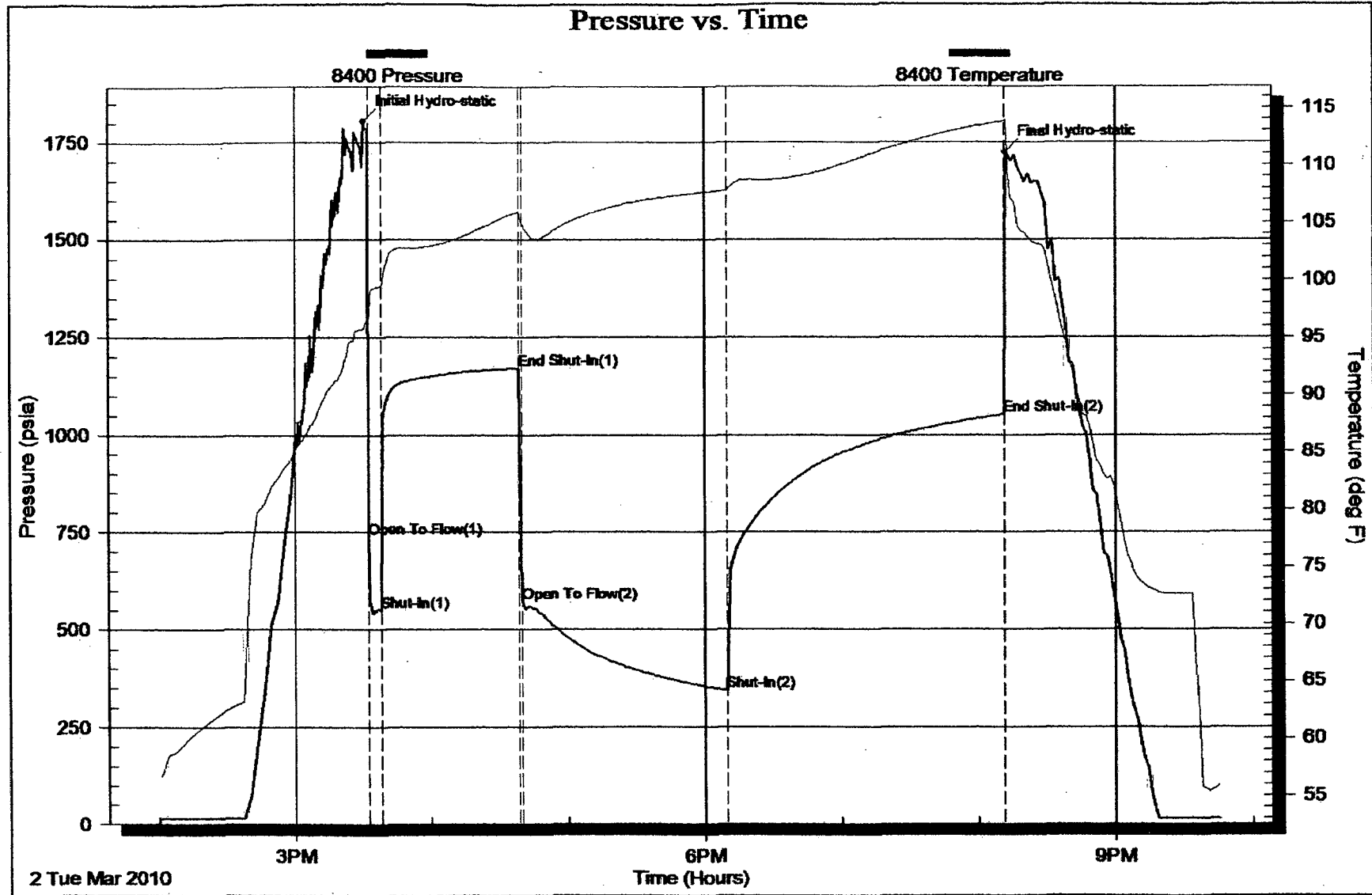
Serial #: 8400

Inside

F.G HOLL COMPANY L.L.C

15-20S-14W BARTON

DST Test Number: 5

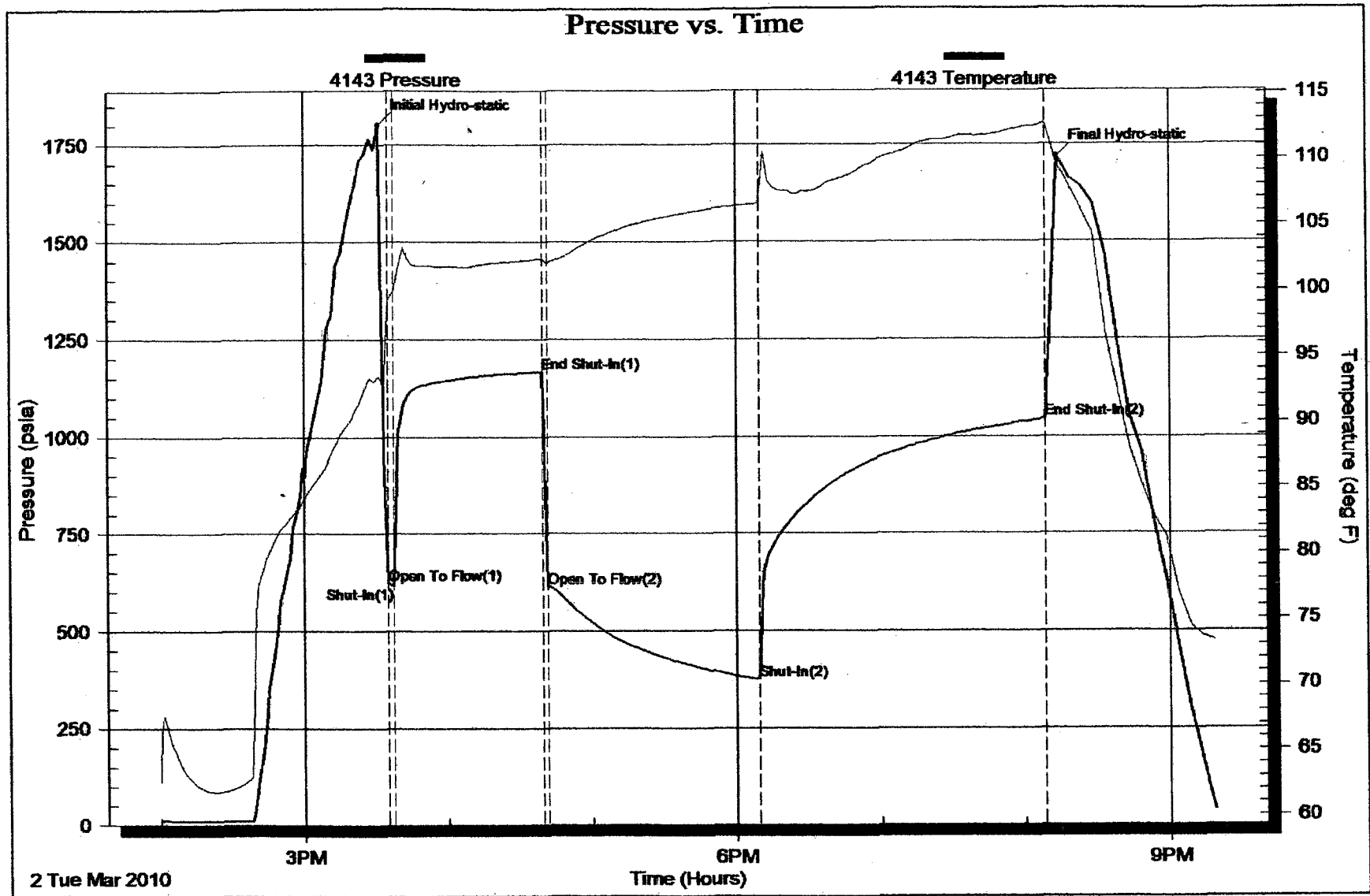


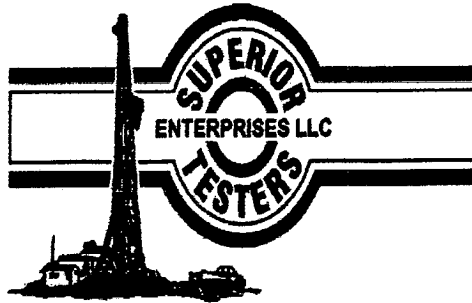
Serial #: 4143

Outside F.G.HOLL COMPANY L.L.C

15-20S-14W BARTON

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **F.G HOLL COMPANY L.L.C**

9431 E CENTRAL
WICHITA KS 67208

ATTN: RYAN GREENBAUM

15-20S-14W BARTON

PHILLIPS TRUST A 1-15

Start Date: 2010.03.03 @ 07:00:00

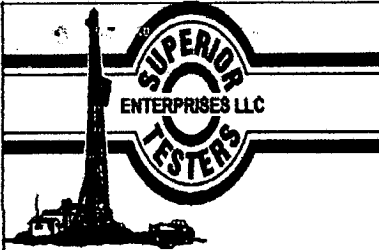
End Date: 2010.03.03 @ 14:22:30

Job Ticket #: 16284 DST #: 6

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

Printed: 2010.03.03 @ 15:25:00

F.G HOLL COMPANY L.L.C PHILLIPS TRUST A 1-15 15-20S-14W BARTON DST # 6 ARBUCKLE 2010.03.03



DRILL STEM TEST REPORT

F.G HOLL COMPANY LLC

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

ATTN: RYAN GREENBAUM

Job Ticket: 16284

DST#: 6

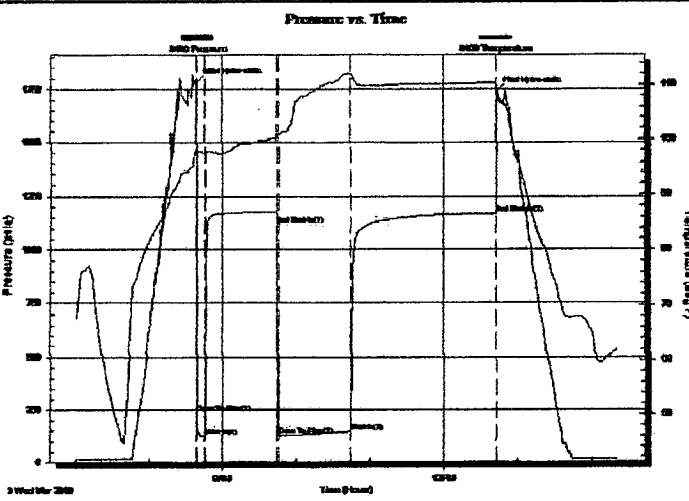
Test Start: 2010.03.03 @ 07:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:39:00
 Time Test Ended: 14:22:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 3345 11 M GB
 Interval: 3557.00 ft (KB) To 3573.00 ft (KB) (TVD)
 Total Depth: 3573.00 ft (KB) (TVD)
 Reference Elevations: 1894.00 ft (KB)
 1886.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8400 Inside
 Press@RunDepth: 147.04 psia @ 3569.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2010.03.03 End Date: 2010.03.03 Last Calib.: 2010.03.03
 Start Time: 07:00:00 End Time: 14:22:30 Time On Btmr: 2010.03.03 @ 08:38:40
 Time Off Btmr: 2010.03.03 @ 12:43:30

TEST COMMENT: 5-INITIAL OPENING STRONG BLOW BOTTOM BUCKET IN 20 SEC
 60-INITIAL SHUT IN GOOD BLOW BACK
 60-FINAL OPENING STRONG BLOW BOTTOM OF THE BUCKET IN 20 SEC
 120-FINAL SHUT IN FAIR BLOW BACK



PRESSURE SUMMARY

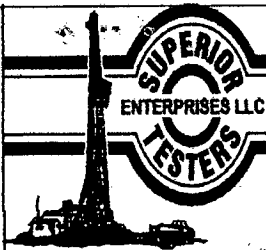
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1786.53	97.83	Initial Hydro-static
1	236.73	97.47	Open To Flow (1)
8	126.10	97.45	Shut-in(1)
66	1118.70	100.31	End Shut-in(1)
67	130.44	100.75	Open To Flow (2)
126	147.04	112.10	Shut-in(2)
244	1168.66	110.29	End Shut-in(2)
245	1741.01	109.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MUDDY WATER 25%M75%W	2.63

Gas Rates

	Choke (Inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	11.00	316.24
Last Gas Rate	1.00	7.00	201.24
Max. Gas Rate	1.00	11.00	316.24



DRILL STEM TEST REPORT

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-16

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

ATTN: RYAN GREENBAUM

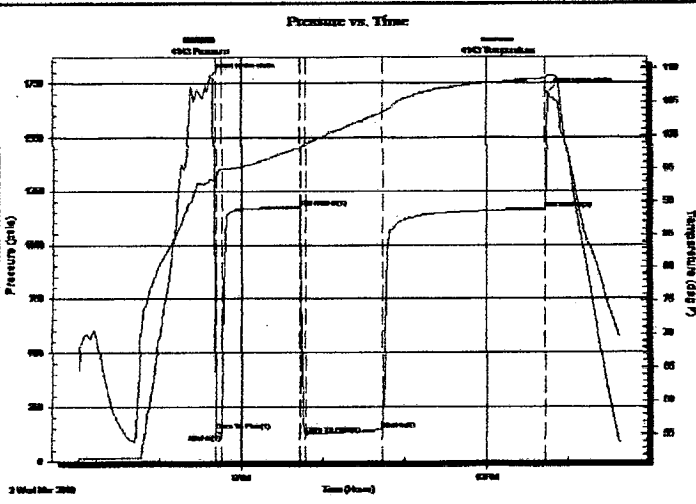
Job Ticket: 16284 DST#: 6
Test Start: 2010.03.03 @ 07:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:39:00
 Time Test Ended: 14:22:30
 Interval: **3557.00 ft (KB) To 3573.00 ft (KB) (TVD)**
 Total Depth: **3573.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 3345 11 M GB
 Reference Elevations: 1894.00 ft (KB)
 1886.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 4143 Outside
 Press@RunDepth: 1165.17 psia @ 3570.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2010.03.03 End Date: 2010.03.03 Last Calib.: 2010.03.03
 Start Time: 07:00:00 End Time: 13:38:09 Time On Btm: 2010.03.03 @ 08:37:09
 Time Off Btm: 2010.03.03 @ 12:45:10

TEST COMMENT: 5-INITIAL OPENING STRONG BLOW BOTTOM BUCKET IN 20 SEC
 60-INITIAL SHUT IN GOOD BLOW BACK
 60-FINAL OPENING STRONG BLOW BOTTOM OF THE BUCKET IN 20 SEC
 120-FINAL SHUT IN FAIR BLOW BACK



PRESSURE SUMMARY

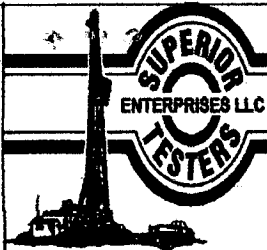
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1781.97	93.54	Initial Hydro-static
5	139.06	94.20	Open To Flow (1)
9	127.58	94.99	Shut-in(1)
67	1172.78	98.22	End Shut-in(1)
71	124.31	98.77	Open To Flow (2)
126	143.28	103.46	Shut-in(2)
247	1165.17	108.68	End Shut-in(2)
249	1705.06	109.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MUDDY WATER 25%/M75%W	2.63

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	11.00	316.24
Last Gas Rate	1.00	7.00	201.24
Max. Gas Rate	1.00	11.00	316.24



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16284

DST#: 6

ATTN: RYAN GREENBAUM

Test Start: 2010.03.03 @ 07:00:00

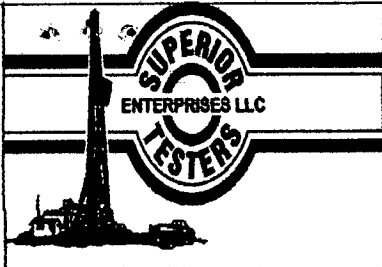
Tool Information

Drill Pipe:	Length: 3537.00 ft	Diameter: 3.88 inches	Volume: 51.73 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: 55000.00 lb
			<u>Total Volume: 51.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3557.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	45.00 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			3529.00	
Shut-In Tool	5.00			3534.00	
Hydroic Tool	5.00			3539.00	
Jars	6.00			3545.00	
Safety Joint	2.00			3547.00	
Packer	5.00			3552.00	29.00 Bottom Of Top Packer
Packer	5.00			3557.00	
Perforations	11.00			3568.00	
Recorder	1.00	8400	Inside	3569.00	
Recorder	1.00	4143	Outside	3570.00	
Bullnose	3.00			3573.00	16.00 Bottom Packers & Anchor

Total Tool Length: 45.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16284

DST#: 6

ATTN: RYAN GREENBAUM

Test Start: 2010.03.03 @ 07:00:00

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: 44.00 sec/qt

Cushion Volume:

bbt

Water Loss: 9.20 in³

Gas Cushion Type:

Gas Cushion Pressure:

psia

Resistivity: ohm.m

Salinity: 4500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbt
180.00	MUDDY WATER 25%M75%W	2.632

Total Length: 180.00 ft

Total Volume: 2.632 bbt

Num Fluid Samples: 0

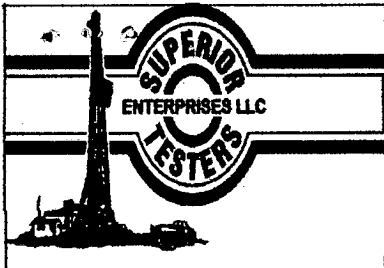
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

F.G HOLL COMPANY L.L.C

PHILLIPS TRUST A 1-15

9431 E CENTRAL
WICHITA KS 67208

15-20S-14W BARTON

Job Ticket: 16284

DST#: 6

ATTN: RYAN GREENBAUM

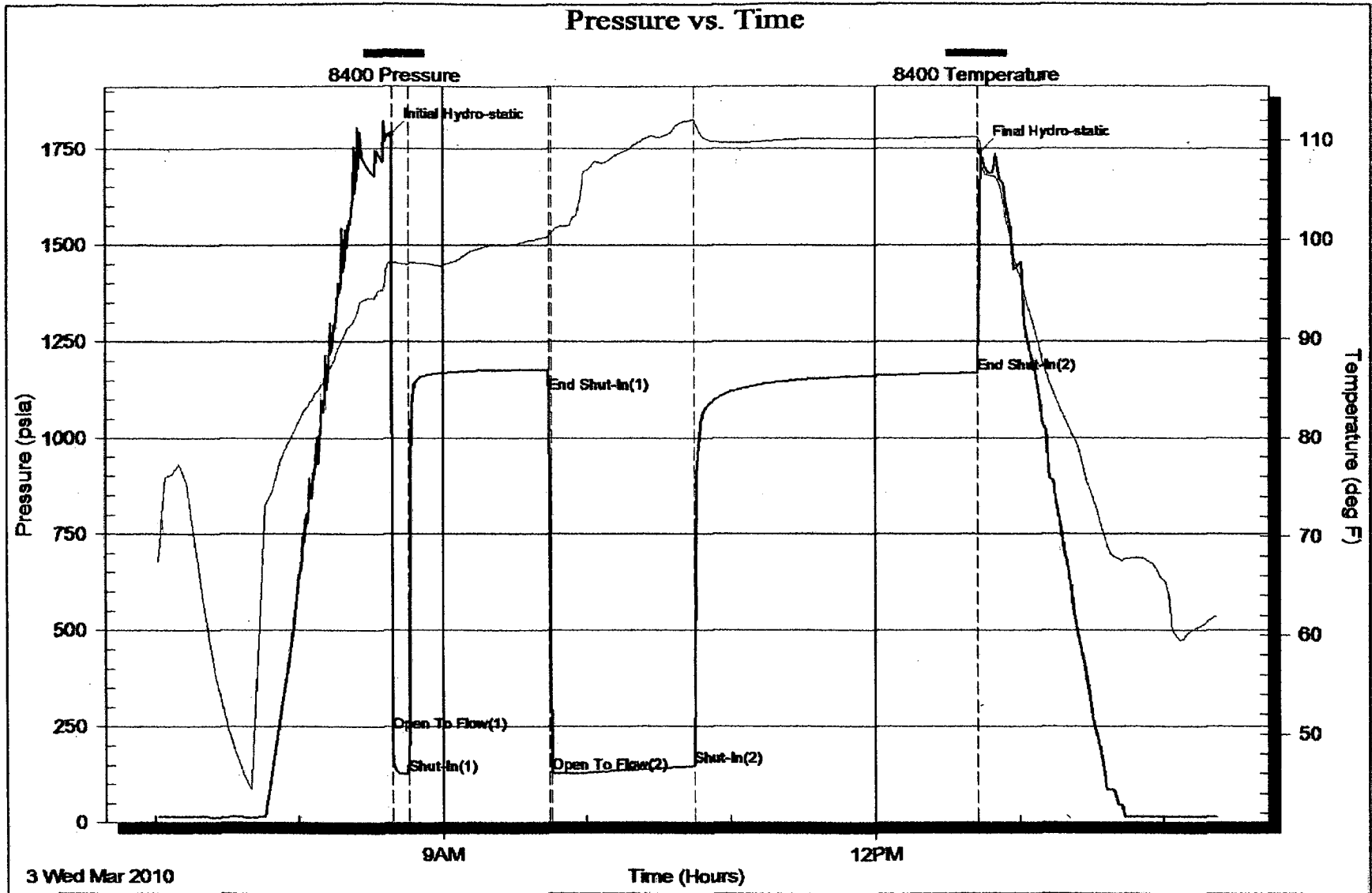
Test Start: 2010.03.03 @ 07:00:00

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)
1	5	1.00	11.00	316.24
2	10	1.00	10.00	287.49
2	20	1.00	9.00	258.74
2	30	1.00	8.00	229.99
2	40	1.00	7.00	201.24
2	50	1.00	7.00	201.24
2	60	1.00	7.00	201.24



Serial #: 4143

Outside F.G.HOLL COMPANY L.L.C

15-20S-14W BARTON

DST Test Number: 6

