



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1082697

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	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 <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	---	--

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	DEINES 1-22
Doc ID	1082697

All Electric Logs Run

CDL/CNL
DIL
Resistivity
CPI
BHCS

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	DEINES 1-22
Doc ID	1082697

Tops

Name	Top	Datum
Herrington	1811	+123
Winfield	1865	+69
Towanda	1926	+8
Ft Riley	1960	-26
B/Florence	2070	-136
Kinney ls	2088	-154
Wrefold	2119	-185
Council Grove	2140	-206
Root Shale	2690	-690
Stotler	2661	-727
Tarkio	2720	-786
Howard	2860	-926
Heebner	3184	-1250
Toronto	3197	-1263
Brown Lime	3265	-1331
Lansing	3274	-1340
Arbuckle	3604	-1670



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

FIELD SERVICE TICKET
1718 05983 A

DATE _____ TICKET NO. _____

DATE OF JOB: 3-17-2012 DISTRICT		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.							
CUSTOMER: FG HOLL CO., INC.		LEASE: DEINES WELL NO. 1-20							
ADDRESS		COUNTY: BARTON STATE: KS.							
CITY STATE		SERVICE CREW: LESLEY, MELSON, PIERSON							
AUTHORIZED BY		JOB TYPE: CNW - 4 1/2" L.S.							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED: 3-17-12	DATE	AM	TIME
37581e	4.5								6:00
19833-19860	4.5					ARRIVED AT JOB		AM	7:00
33708-20920	4.5					START OPERATION		AM	11:00
						FINISH OPERATION		PM	3:30
						RELEASED		PM	4:30
						MILES FROM STATION TO WELL: 6.5			

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

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

SIGNED: *Rob Long*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

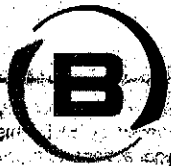
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	AA-2 CEMENT	SK	155		
CP 103	600/40 P02	SK	75		
CC 102	CELL-FLAKE	lb	39		
CC 105	DE-FOAMER	lb	37		
CC 111	SALT	lb	706		
CC 129	FLA-322	lb	146		
CC 201	GILSONITE	lb	1920		
CF 1006	LATCH DOWN PLUG & BAFFLE, 4 1/2"	EA	1		
CF 1250	AUTO FILL FLOAT SHOE, 4 1/2"	EA	1		
CF 1650	TURBOLIZER, 4 1/2"	EA	8		
CF 1900	BASKET, 4 1/2"	EA	1		
CF 2002	CMT. SCRATCHERS - ROTATING TYPE	EA	95	1,750	
CC 154	SUPER FLOSH	GAL	500		

SUB TOTAL
DLS

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: <i>Lesley</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>Rob Long</i>
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 ~~05984~~ A

CONTINUATION OF

DATE TICKET NO. 1718 05983 A

DATE OF JOB: 3-17-2012	DISTRICT: PRATT, KS.	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	BROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.		
CUSTOMER: FG HOLL CO., INC.		LEASE: DEINES		WELL NO: J2					
ADDRESS:		COUNTY: BARTON		STATE: KS.					
CITY:		STATE:		SERVICE CREW: LESLEY, MELSON, PERSON					
AUTHORIZED BY:		JOB TYPE: CWD - 4 1/2" I.S.							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
37586	4.5						3-17-12	AM	12:00
19833-19860	4.5					ARRIVED AT JOB		AM	7:00
33708-20980	4.5					START OPERATION		AM	11:00
						FINISH OPERATION		PM	3:30
						RELEASED		PM	4:30
						MILES FROM STATION TO WELL	105		

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

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

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E 100	PICKUP MILEAGE	MI	65		
E 101	HEAVY EQUIPMENT MILEAGE	MI	130		
E 113	BULK DELIVERY CHARGE	TON	686		
CE 204	DEPTH CHARGE 3001-4000'	HR	1.4		
CE 240	BLENDING SERVICE CHARGE	SK	230		
CE 501	CASING SWIVEL RENTAL	EA	1		
CE 504	PLUG CONTAINER CHARGE	WB	1		
S: 003	SERVICE SUPERVISOR	EA	1		

CHEMICAL/ACID DATA			

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

TOTAL
DLS

SERVICE REPRESENTATIVE: *[Signature]*
FIELD SERVICE ORDER NO.

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 05249 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>3-7-12</u> DISTRICT <u>KANSAS</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:				
CUSTOMER <u>FG HOLL CO. LLC</u>		LEASE <u>Deines # 1-22</u> WELL NO.:				
ADDRESS		COUNTY <u>Barton 22-19-15</u> STATE <u>KANSAS</u>				
CITY STATE		SERVICE CREW <u>Allen, McGuire, Lawrence</u>				
AUTHORIZED BY		JOB TYPE: <u>8 5/8" Surface</u> <u>CNW</u>				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>3-7-12</u> DATE <u>3-7-12</u> AM <u>630</u> TIME
<u>28443 P.U</u>	<u>1</u>					ARRIVED AT JOB <u>3-7-12</u> AM <u>830</u> PM
<u>30316 VAN</u>	<u>1</u>					START OPERATION <u>3-8-12</u> AM <u>200</u> PM
<u>33706 20920</u>	<u>1</u>					FINISH OPERATION <u>3-8-12</u> AM <u>300</u> PM
<u>19852 21010</u>	<u>1</u>					RELEASED <u>3-8-12</u> AM <u>400</u> PM
						MILES FROM STATION TO WELL <u>6.5 mi. / cs</u>

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

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

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP101	A-Cow Blend Common	SK	175		
CP100C	common cement	SK	175		
CC102	cell flake	lb	88		
CC109	calcium chloride	lb	825		
CF105	Top Rubber cement Plug 8-5/8	EA	1		
CF1753	cent. 8-5/8 Blue	EA	3		
E100	up. t. mileage chg. Pickup	M.	65		
E101	Heavy Equip. mileage chg.	M.	130		
E113	Bulk Delivery Charge	T.M.	1073		
CF201	Depth Charge 501-1000'	4 hr	1		
CF240	Bleeding & mixing service chg.	SK	350		
CF504	Plug container utilization chg. Job 1				
5003	service supervisor first 8hrs on job	EA	1		

SUB TOTAL
DLS

CHEMICAL / ACID DATA:			

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

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

FIELD SERVICE ORDER NO.

A 11-23-28



DRILL STEM TEST REPORT

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

9431 E Central STE 100 Wichita KS
67206+2563

ATTN: Ryan Greenbaum

Deines #1-22

22-19s-15w Baton

Start Date: 2012.03.12 @ 16:38:00

End Date: 2012.03.12 @ 21:50:30

Job Ticket #: 18749 DST #: 1

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

Printed: 2012.03.12 @ 22:07:41



DRILL STEM TEST REPORT

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

ATTN: Ryan Greenbaum

Job Ticket: 18749

DST#: 1

Test Start: 2012.03.12 @ 16:38:00

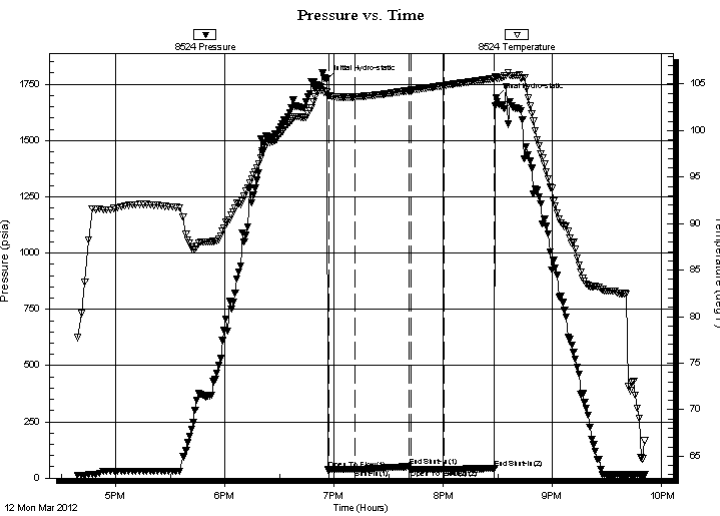
GENERAL INFORMATION:

Formation: **LKC "H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:57:00
 Time Test Ended: 21:50:30
 Interval: **3395.00 ft (KB) To 3415.00 ft (KB) (TVD)**
 Total Depth: 3415.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-GB-20
 Reference Elevations: 1934.00 ft (KB)
 1926.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8524

Press @ RunDepth: 40.39 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.03.12 End Date: 2012.03.12 Last Calib.: 2012.03.12
 Start Time: 16:38:00 End Time: 21:50:30 Time On Btm: 2012.03.12 @ 18:56:00
 Time Off Btm: 2012.03.12 @ 20:29:00

TEST COMMENT: 1st Opening 15 Minutes-Weak surface blow built 1/2 inch into water did not build
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Very weak surge did not build
 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1772.52	104.12	Initial Hydro-static
1	37.74	103.76	Open To Flow (1)
16	39.19	103.61	Shut-In(1)
45	51.36	104.29	End Shut-In(1)
46	39.36	104.31	Open To Flow (2)
65	40.39	104.84	Shut-In(2)
92	43.04	105.59	End Shut-In(2)
93	1688.50	105.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud	0.01

Gas Rates

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



DRILL STEM TEST REPORT

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

ATTN: Ryan Greenbaum

Job Ticket: 18749

DST#: 1

Test Start: 2012.03.12 @ 16:38:00

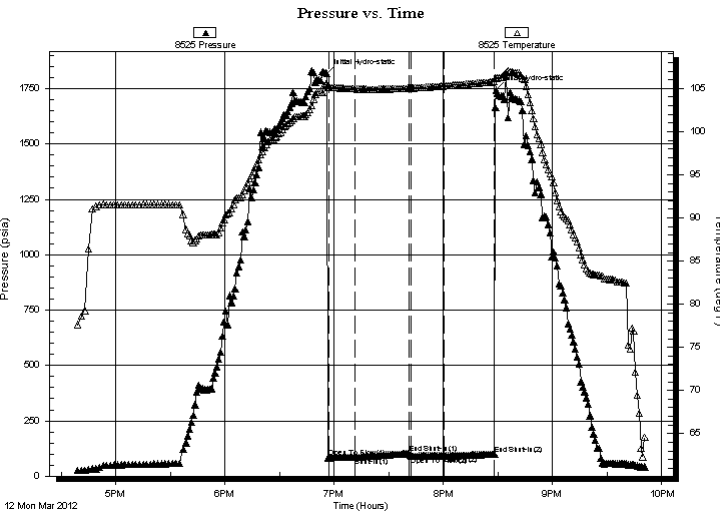
GENERAL INFORMATION:

Formation: **LKC "H"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:57:00 Tester: Jared Scheck
 Time Test Ended: 21:50:30 Unit No: 3320-GB-20
Interval: 3395.00 ft (KB) To 3415.00 ft (KB) (TVD)
 Reference Elevations: 1934.00 ft (KB)
 Total Depth: 3415.00 ft (KB) (TVD) 1926.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8525

Press @ RunDepth: 98.80 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.03.12 End Date: 2012.03.12 Last Calib.: 2012.03.12
 Start Time: 16:38:00 End Time: 21:50:30 Time On Btm: 2012.03.12 @ 18:56:00
 Time Off Btm: 2012.03.12 @ 20:29:00

TEST COMMENT: 1st Opening 15 Minutes-Weak surface blow built 1/2 inch into water did not build
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Very weak surge did not build
 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1819.00	105.55	Initial Hydro-static
1	83.34	105.15	Open To Flow (1)
16	86.57	104.95	Shut-In(1)
45	102.75	105.03	End Shut-In(1)
46	89.69	105.05	Open To Flow (2)
65	92.02	105.31	Shut-In(2)
92	98.80	105.79	End Shut-In(2)
93	1744.32	106.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud	0.01

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 18749

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.03.12 @ 16:38:00

Tool Information

Drill Pipe:	Length: 3390.00 ft	Diameter: 3.80 inches	Volume: 47.55 bbl	Tool Weight:	1000.00 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: 47.55 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3395.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	48.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3372.00	
Hydraulic Tool	5.00			3377.00	
Jars	6.00			3383.00	
Safety Joint	2.00			3385.00	
Packer	5.00			3390.00	28.00 Bottom Of Top Packer
Packer	5.00			3395.00	
Anchor	15.00			3410.00	
Recorder	1.00	8524	Inside	3411.00	
Recorder	1.00	8525	Outside	3412.00	
Bullnose	3.00			3415.00	20.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 18749

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.03.12 @ 16:38:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

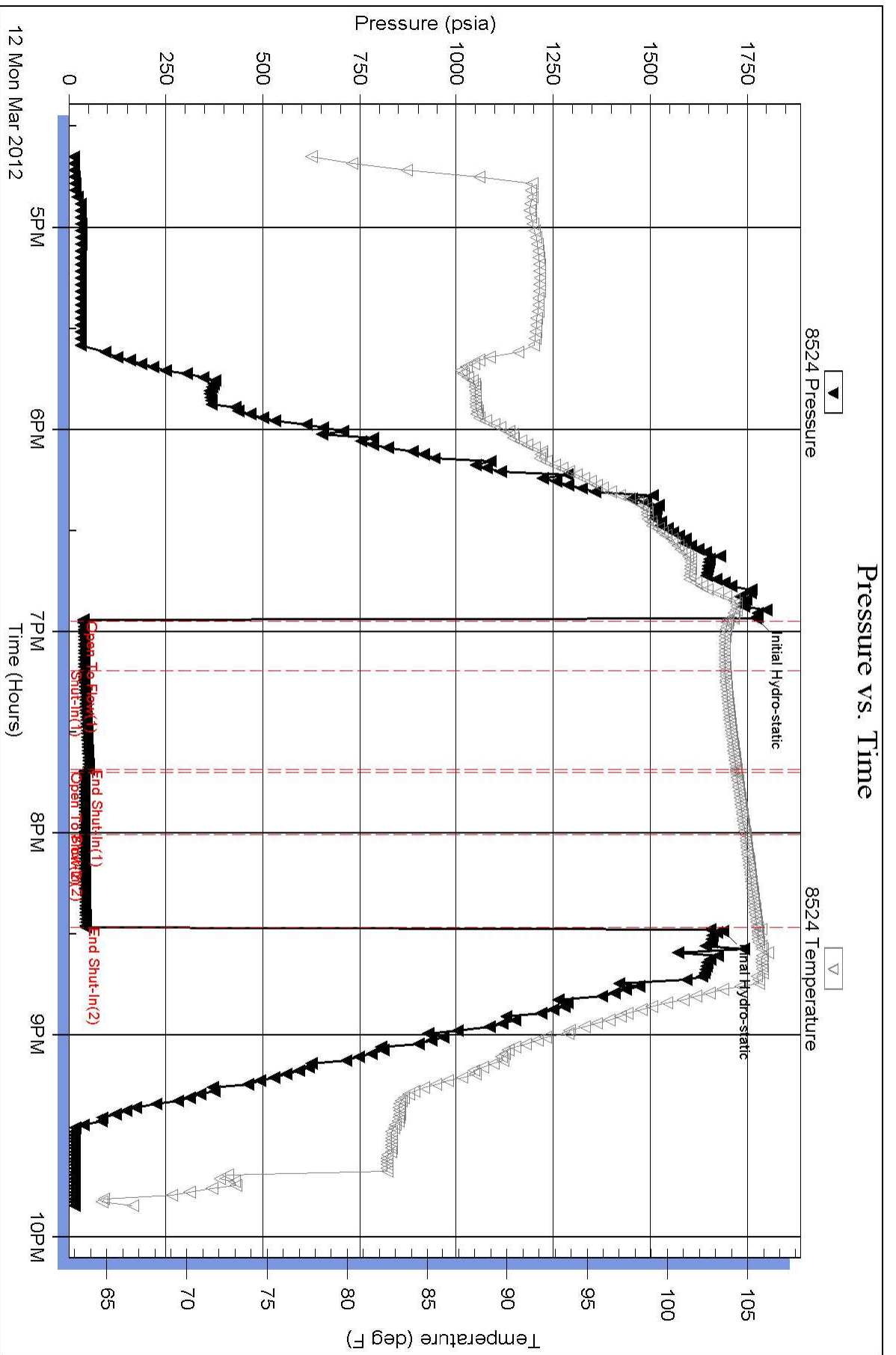
Num Gas Bombs: 0

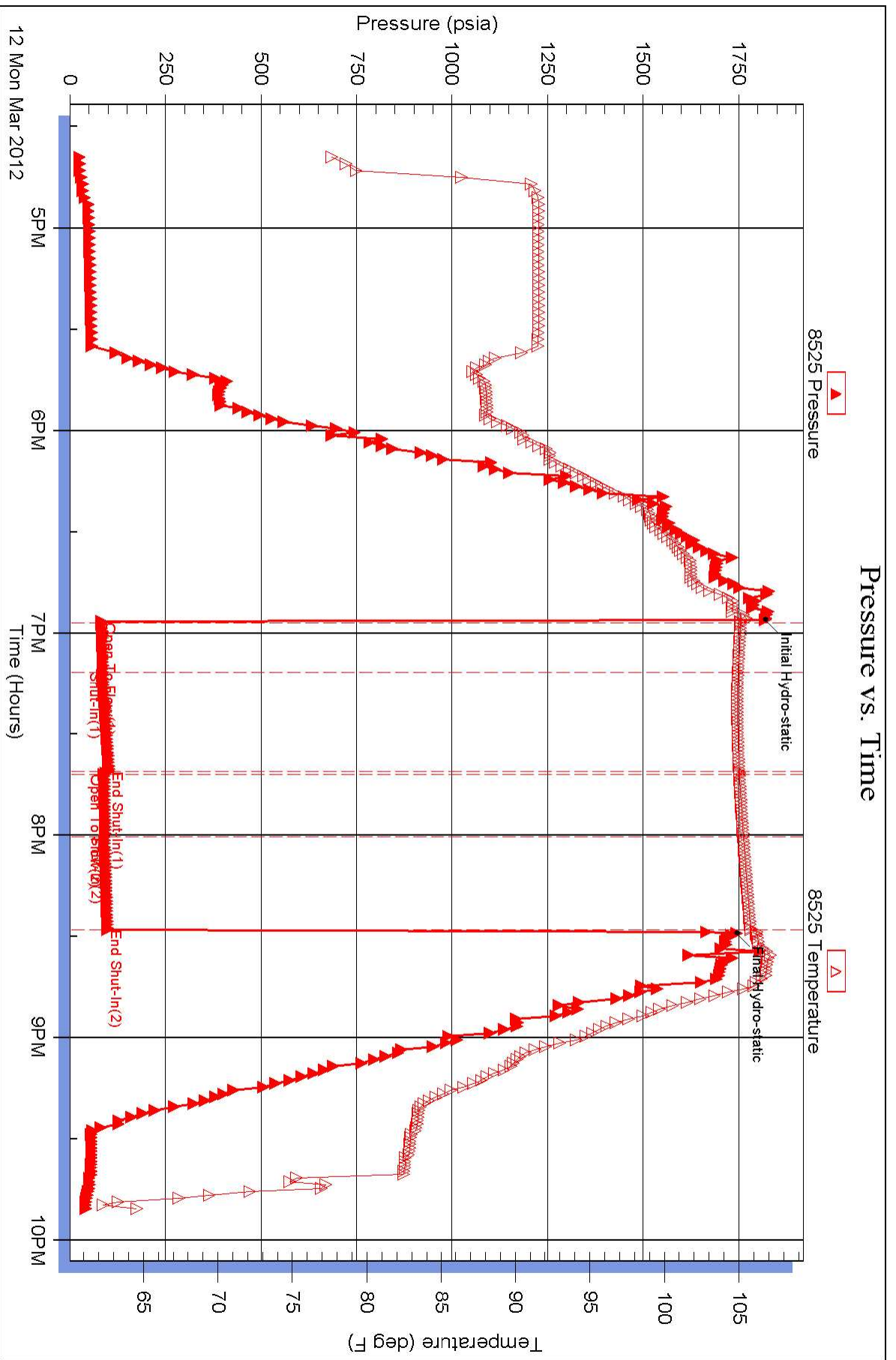
Serial #:

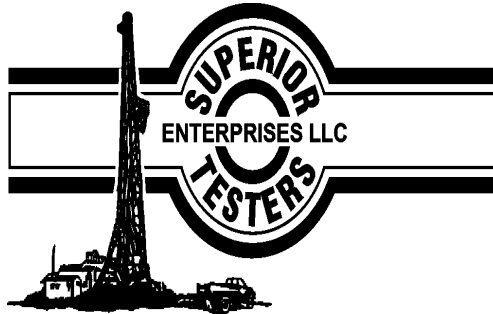
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

9431 E Central STE 100 Wichita KS
67206+2563

ATTN: Ryan Greenbaum

Deines #1-22

22-19s-15w Baton

Start Date: 2012.03.13 @ 06:48:00

End Date: 2012.03.13 @ 00:00:00

Job Ticket #: 18750 DST #: 2

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

Printed: 2012.03.13 @ 13:16:11

F.G. Holl Company L.L.C
22-19s-15w Baton
Deines #1-22
DST # 2
LKC "1"
2012.03.13



DRILL STEM TEST REPORT

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

ATTN: Ryan Greenbaum

Job Ticket: 18750

DST#: 2

Test Start: 2012.03.13 @ 06:48:00

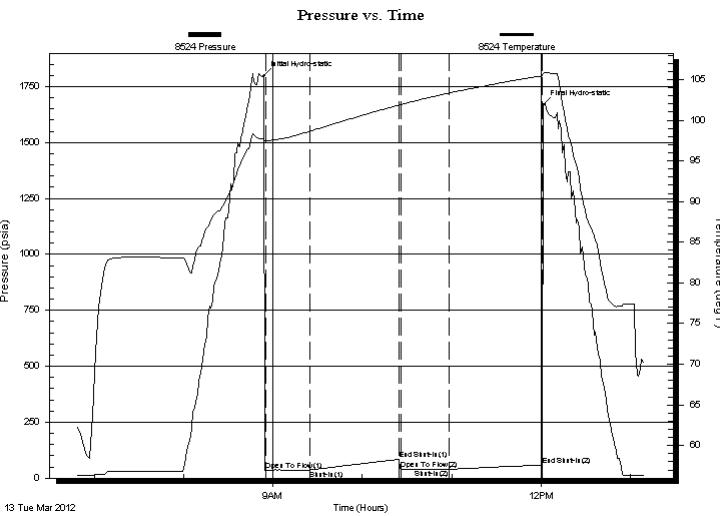
GENERAL INFORMATION:

Formation: **LKC "I"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:46:00
 Time Test Ended: 00:00:00
 Interval: **3414.00 ft (KB) To 3430.00 ft (KB) (TVD)**
 Total Depth: 3430.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-GB-20
 Reference Elevations: 1934.00 ft (KB)
 1926.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8524

Press @ RunDepth: 58.12 psia @ ft (KB) Capacity: psia
 Start Date: 2012.03.13 End Date: 2012.03.13 Last Calib.: 1899.12.30
 Start Time: 06:48:00 End Time: 13:10:00 Time On Btm: 2012.03.13 @ 08:54:00
 Time Off Btm: 2012.03.13 @ 12:01:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 3/4 inch into water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Weak blow built 1/2 inch into water in 30 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1797.61	97.73	Initial Hydro-static
1	36.34	97.45	Open To Flow (1)
31	36.96	98.64	Shut-In(1)
91	84.47	101.85	End Shut-In(1)
92	39.85	101.91	Open To Flow (2)
125	39.96	103.34	Shut-In(2)
187	58.12	105.44	End Shut-In(2)
188	1666.76	105.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



DRILL STEM TEST REPORT

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 18750

DST#: 2

ATTN: Ryan Greenbaum

Test Start: 2012.03.13 @ 06:48:00

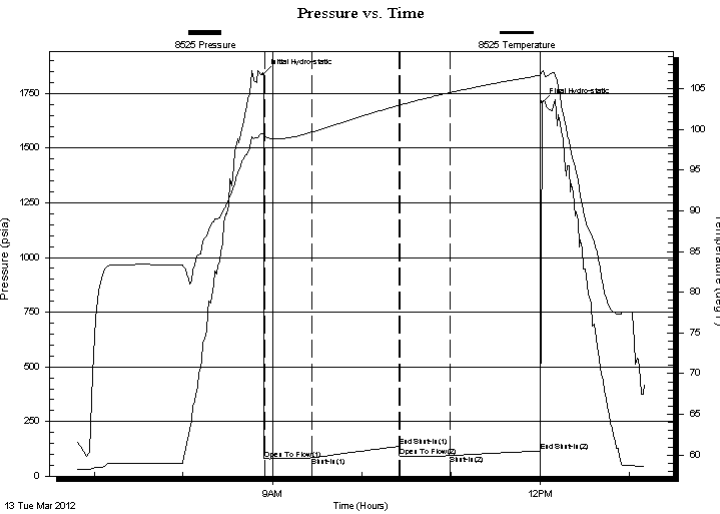
GENERAL INFORMATION:

Formation: **LKC "I"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:46:00
 Time Test Ended: 00:00:00
 Interval: **3414.00 ft (KB) To 3430.00 ft (KB) (TVD)**
 Total Depth: 3430.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-GB-20
 Reference Elevations: 1934.00 ft (KB)
 1926.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8525

Press @ RunDepth: 115.33 psia @ ft (KB) Capacity: psia
 Start Date: 2012.03.13 End Date: 2012.03.13 Last Calib.: 1899.12.30
 Start Time: 06:48:00 End Time: 13:10:30 Time On Btm: 2012.03.13 @ 08:54:00
 Time Off Btm: 2012.03.13 @ 12:01:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 3/4 inch into water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Weak blow built 1/2 inch into water in 30 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1840.59	99.44	Initial Hydro-static
1	79.14	99.09	Open To Flow (1)
33	83.78	99.65	Shut-In(1)
91	136.23	102.94	End Shut-In(1)
92	90.67	103.00	Open To Flow (2)
126	93.94	104.51	Shut-In(2)
187	115.33	106.64	End Shut-In(2)
188	1709.51	107.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 18750

DST#: 2

ATTN: Ryan Greenbaum

Test Start: 2012.03.13 @ 06:48:00

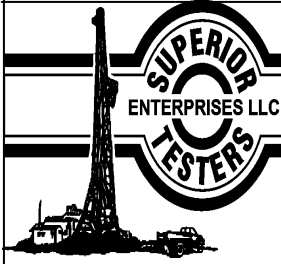
Tool Information

Drill Pipe:	Length: 3390.00 ft	Diameter: 3.80 inches	Volume: 47.55 bbl	Tool Weight: 1000.00 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: 47.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3414.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3391.00	
Hydraulic Tool	5.00			3396.00	
Jars	6.00			3402.00	
Safety Joint	2.00			3404.00	
Packer	5.00			3409.00	28.00 Bottom Of Top Packer
Packer	5.00			3414.00	
Anchor	11.00			3425.00	
Recorder	1.00	8524	Inside	3426.00	
Recorder	1.00	8525	Outside	3427.00	
Bullnose	3.00			3430.00	16.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 18750

DST#: 2

ATTN: Ryan Greenbaum

Test Start: 2012.03.13 @ 06:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

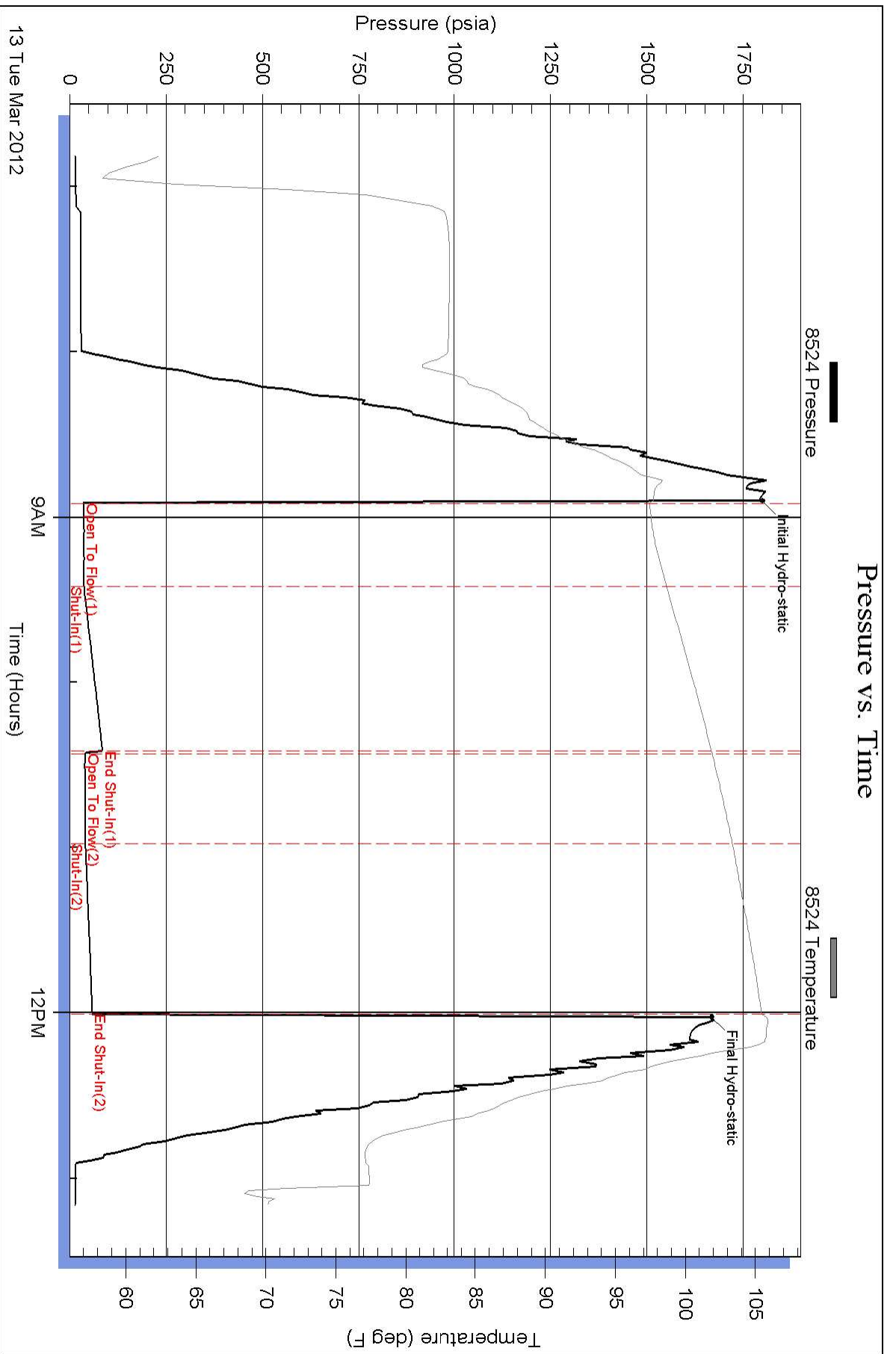
Length ft	Description	Volume bbl

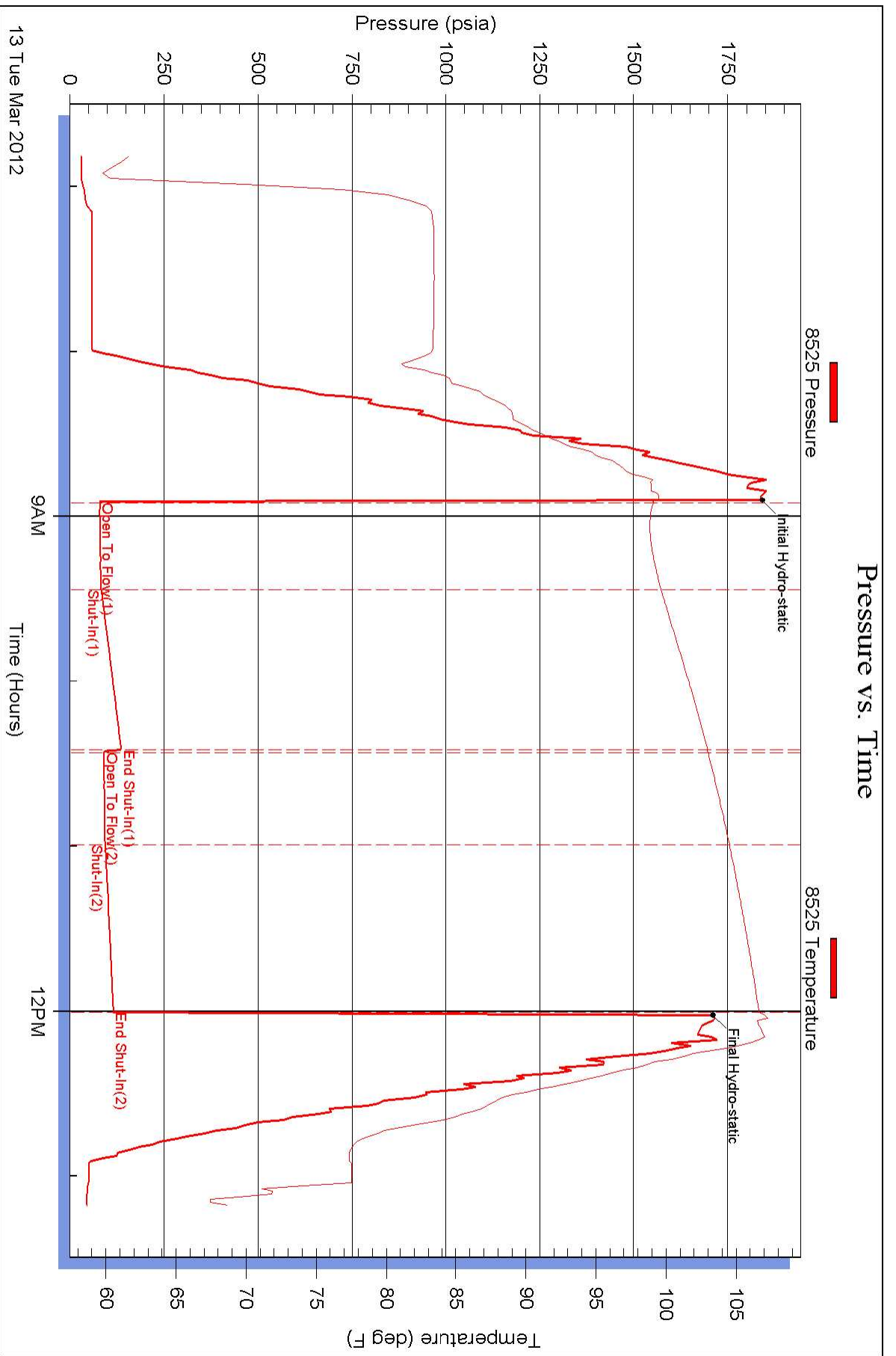
Total Length: ft Total Volume: bbl

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 E Central STE 100 Wichita KS
67206+2563

ATTN: Ryan Greenbaum

Deines #1-22

22-19s-15w Baton

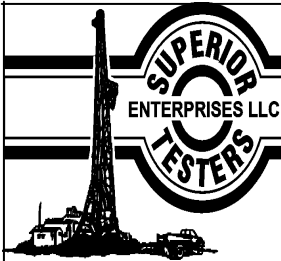
Start Date: 2012.03.14 @ 12:00:00

End Date: 2012.03.14 @ 18:35:00

Job Ticket #: 17126 DST #: 3

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

Printed: 2012.03.16 @ 07:22:39



DRILL STEM TEST REPORT

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

ATTN: Ryan Greenbaum

Job Ticket: 17126

DST#: 3

Test Start: 2012.03.14 @ 12:00:00

GENERAL INFORMATION:

Formation: **Goaram sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:32:30

Time Test Ended: 18:35:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-20

Interval: 3593.00 ft (KB) To 3600.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3600.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8524 Inside

Press @ RunDepth: 25.10 psia @ 3596.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.03.14

End Date:

2012.03.14

Last Calib.:

2012.03.14

Start Time: 12:01:00

End Time:

18:35:00

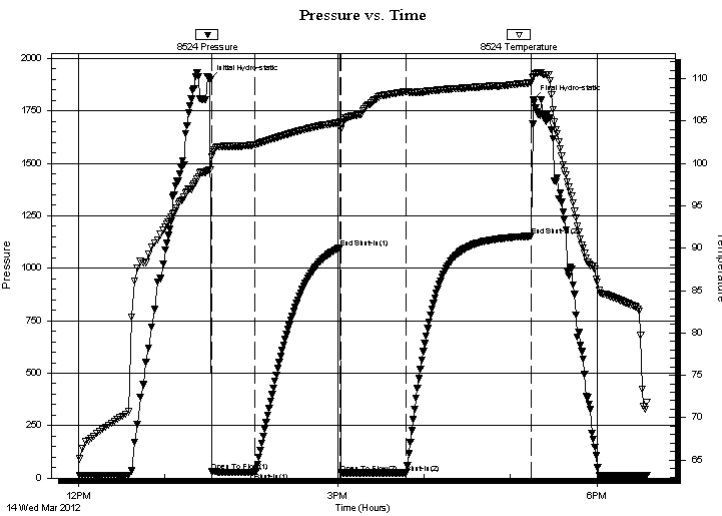
Time On Btm:

2012.03.14 @ 13:31:30

Time Off Btm:

2012.03.14 @ 17:16:00

TEST COMMENT: 1st Opening 30 Minutes-Fair blow built bottom of bucket in 16 minutes
 1st Shut-in 60 Minutes-2 inch blow back
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in 1 minutes
 2nd Shut-in 90 Minutes-3 inch blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1899.53	99.27	Initial Hydro-static
1	33.38	100.77	Open To Flow (1)
31	27.72	102.20	Shut-In(1)
90	1097.36	104.87	End Shut-In(1)
91	24.58	104.05	Open To Flow (2)
136	25.10	108.48	Shut-In(2)
223	1153.20	109.52	End Shut-In(2)
225	1804.01	110.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud	0.21
0.00	525 Gas in pipe	0.00

Gas Rates

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



DRILL STEM TEST REPORT

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 17126

DST#: 3

ATTN: Ryan Greenbaum

Test Start: 2012.03.14 @ 12:00:00

GENERAL INFORMATION:

Formation: **Goaram sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:32:30

Time Test Ended: 18:35:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-20

Interval: 3593.00 ft (KB) To 3600.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3600.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8525

Press @ RunDepth: 1196.56 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.03.14

End Date: 2012.03.14

Last Calib.: 2012.03.14

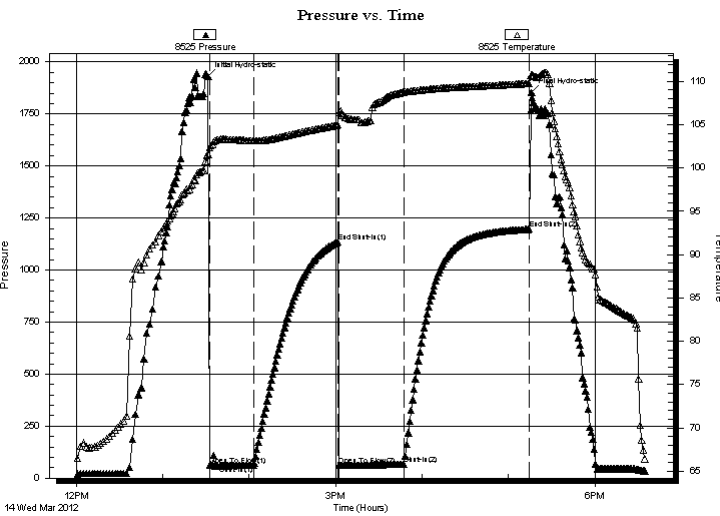
Start Time: 12:01:00

End Time: 18:35:00

Time On Btm: 2012.03.14 @ 13:31:30

Time Off Btm: 2012.03.14 @ 17:16:00

TEST COMMENT: 1st Opening 30 Minutes-Fair blow built bottom of bucket in 16 minutes
 1st Shut-in 60 Minutes-2 inch blow back
 2nd Opening 45 Minutes-Strong blow built bottom of bucket in 1 minutes
 2nd Shut-in 90 Minutes-3 inch blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1929.78	101.59	Initial Hydro-static
1	63.53	102.32	Open To Flow (1)
32	62.54	103.17	Shut-In(1)
90	1135.70	104.96	End Shut-In(1)
91	62.71	106.42	Open To Flow (2)
136	65.91	108.77	Shut-In(2)
223	1196.56	109.77	End Shut-In(2)
225	1852.98	110.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud	0.21
0.00	525 Gas in pipe	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 17126

DST#: 3

ATTN: Ryan Greenbaum

Test Start: 2012.03.14 @ 12:00:00

Tool Information

Drill Pipe:	Length: 3574.00 ft	Diameter: 3.80 inches	Volume: 50.13 bbl	Tool Weight: 1000.00 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: 50.13 bbl</u>	Tool Chased 1000.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3593.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3570.00	
Hydraulic Tool	5.00			3575.00	
Jars	6.00			3581.00	
Safety Joint	2.00			3583.00	
Packer	5.00			3588.00	28.00 Bottom Of Top Packer
Packer	5.00			3593.00	
Anchor	2.00			3595.00	
Recorder	1.00	8524	Inside	3596.00	
Recorder	1.00	8525	Outside	3597.00	
Bullnose	3.00			3600.00	7.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 17126

DST#: 3

ATTN: Ryan Greenbaum

Test Start: 2012.03.14 @ 12:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 11.99 in³
Resistivity: ohm.m
Salinity: 3600.00 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
15.00	Mud	0.210
0.00	525 Gas in pipe	0.000

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

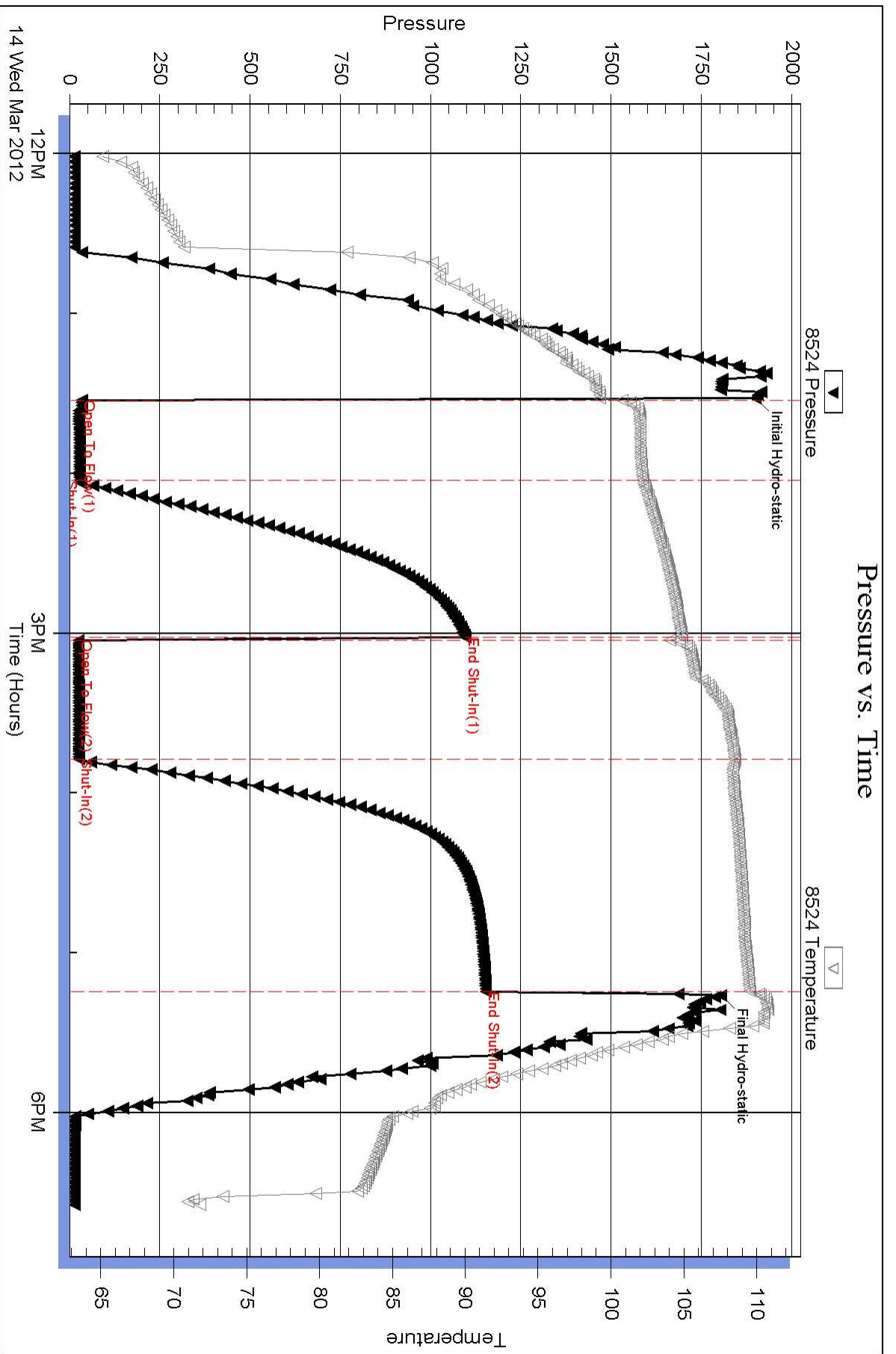
Num Gas Bombs: 0

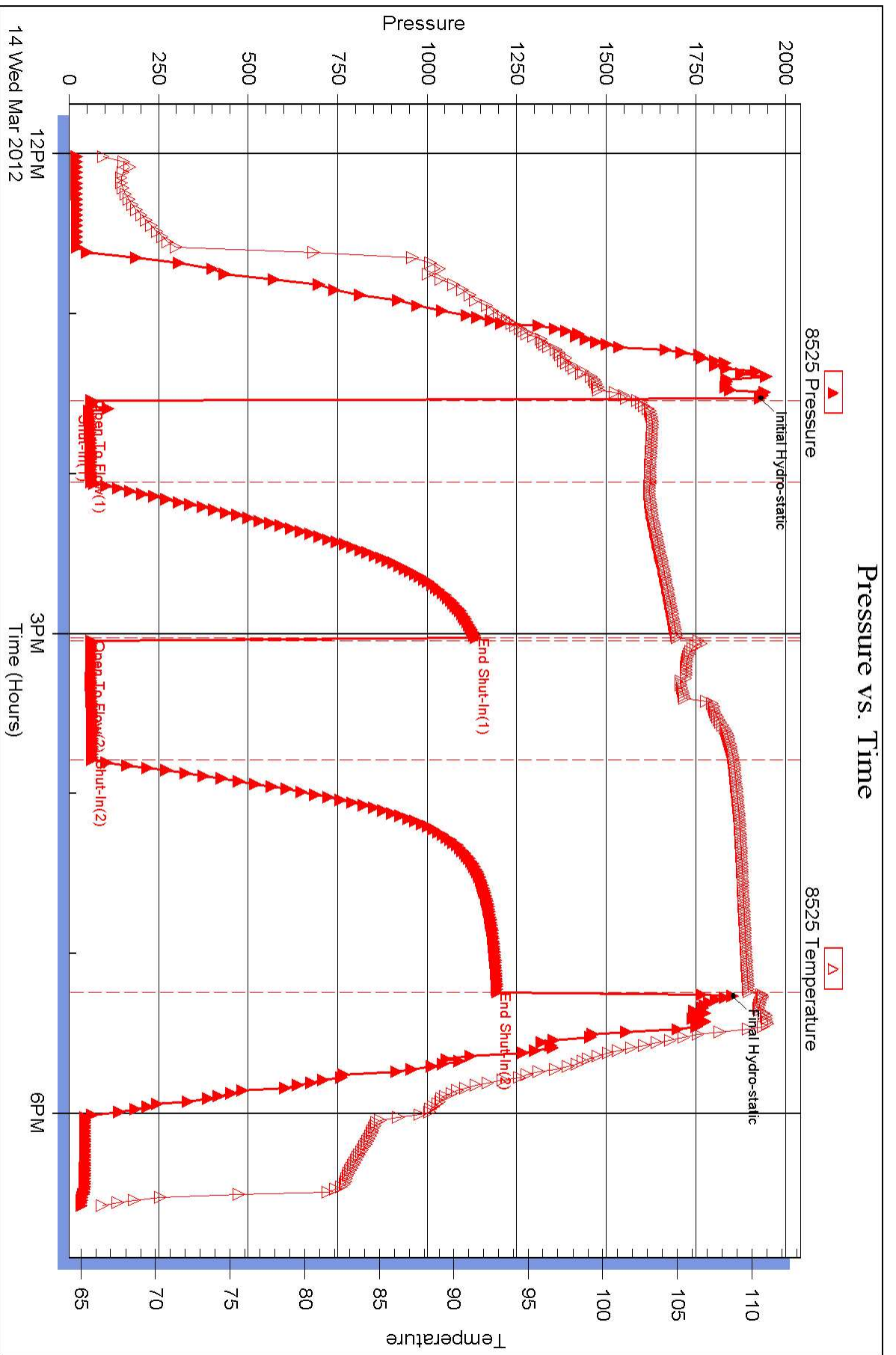
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

9431 E Central STE 100 Wichita KS
67206+2563

ATTN: Ryan Greenbaum

Deines #1-22

22-19s-15w Baton

Start Date: 2012.03.15 @ 09:00:00

End Date: 2012.03.15 @ 16:02:00

Job Ticket #: 17127 DST #: 4

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

Printed: 2012.03.16 @ 07:23:12



DRILL STEM TEST REPORT

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 17127

DST#: 4

ATTN: Ryan Greenbaum

Test Start: 2012.03.15 @ 09:00:00

GENERAL INFORMATION:

Formation: **Goaram sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:31:30

Time Test Ended: 16:02:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-

Interval: 3598.00 ft (KB) To 3605.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3605.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8524 Inside

Press @ RunDepth: 43.19 psia @ 3601.00 ft (KB)

Capacity: 50000.00 psia

Start Date: 2012.03.15

End Date: 2012.03.15

Last Calib.: 2012.03.15

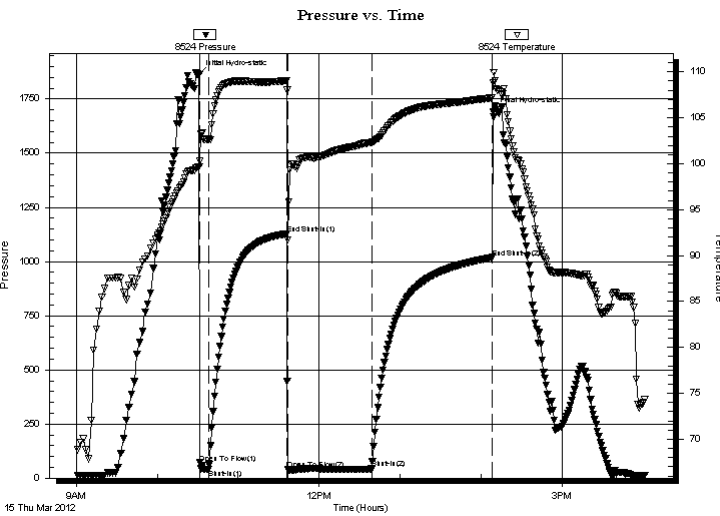
Start Time: 09:01:00

End Time: 16:02:00

Time On Btm: 2012.03.15 @ 10:31:00

Time Off Btm: 2012.03.15 @ 14:09:00

TEST COMMENT: 1st Opening 5 Minutes- Strong blow built to the bottom of a 5 gallon bucket in 1 1/2 minutes
 1st Shut-In 60 Minutes- weak blow back
 2nd Opening 60 Minutes-Strong blow gas to surface in 2 minutes see gas flow report
 2nd Shut-In 90 Minutes-Wek blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1862.01	99.65	Initial Hydro-static
1	70.63	100.28	Open To Flow (1)
7	39.78	102.68	Shut-In(1)
65	1128.48	109.05	End Shut-In(1)
66	40.47	91.70	Open To Flow (2)
128	43.19	102.28	Shut-In(2)
218	1018.36	107.18	End Shut-In(2)
218	1692.48	108.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Gassy Mud	0.70

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	2.20	14.84
Last Gas Rate	0.50	3.00	20.24
Max. Gas Rate	0.50	3.00	20.24



DRILL STEM TEST REPORT

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

ATTN: Ryan Greenbaum

Job Ticket: 17127

DST#: 4

Test Start: 2012.03.15 @ 09:00:00

GENERAL INFORMATION:

Formation: **Goaram sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:31:30

Time Test Ended: 16:02:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-

Interval: 3598.00 ft (KB) To 3605.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3605.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8525 Outside

Press @ RunDepth: 1056.03 psia @ 3602.00 ft (KB)

Capacity: psia

Start Date: 2012.03.15

End Date: 2012.03.15

Last Calib.: 1899.12.30

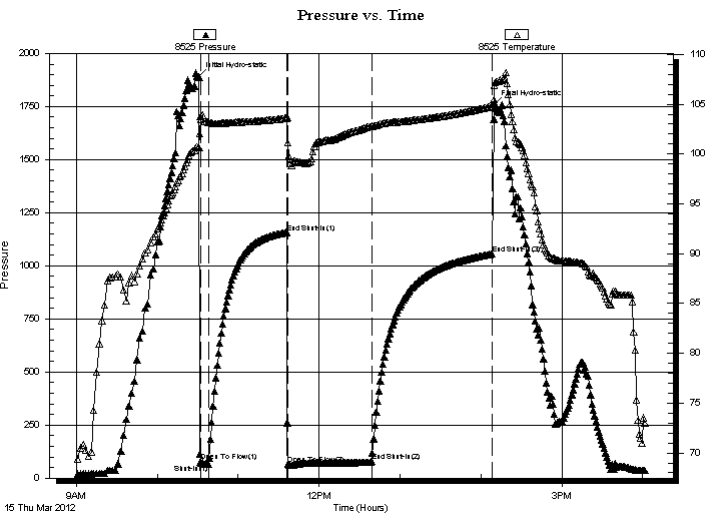
Start Time: 09:01:00

End Time: 16:01:30

Time On Btm: 2012.03.15 @ 10:31:00

Time Off Btm: 2012.03.15 @ 14:10:00

TEST COMMENT: 1st Opening 5 Minutes- Strong blow built to the bottom of a 5 gallon bucket in 1 1/2 minutes
 1st Shut-In 60 Minutes- weak blow back
 2nd Opening 60 Minutes-Strong blow gas to surface in 2 minutes see gas flow report
 2nd Shut-In 90 Minutes-Wek blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1888.61	100.66	Initial Hydro-static
1	77.32	103.75	Open To Flow (1)
7	65.02	103.18	Shut-In(1)
65	1156.75	103.62	End Shut-In(1)
66	64.63	101.12	Open To Flow (2)
128	77.78	102.78	End Shut-In(2)
218	1056.03	104.81	End Shut-In(3)
219	1758.35	106.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Gassy Mud	0.70

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	2.20	14.84
Last Gas Rate	0.50	3.00	20.24
Max. Gas Rate	0.50	3.00	20.24



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 17127

DST#: 4

ATTN: Ryan Greenbaum

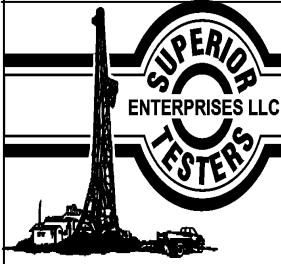
Test Start: 2012.03.15 @ 09:00:00

Tool Information

Drill Pipe:	Length: 3579.00 ft	Diameter: 3.80 inches	Volume: 50.20 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: 42000.00 lb
			<u>Total Volume: 50.20 bbl</u>	Tool Chased 38000.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 0.00 lb
Depth to Top Packer:	3598.00 ft			Final 0.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3575.00	
Hydraulic Tool	5.00			3580.00	
Jars	6.00			3586.00	
Safety Joint	2.00			3588.00	
Packer	5.00			3593.00	28.00 Bottom Of Top Packer
Packer	5.00			3598.00	
Anchor	2.00			3600.00	
Recorder	1.00	8524	Inside	3601.00	
Recorder	1.00	8525	Outside	3602.00	
Bullnose	3.00			3605.00	7.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 17127

DST#: 4

ATTN: Ryan Greenbaum

Test Start: 2012.03.15 @ 09:00:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Gassy Mud	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

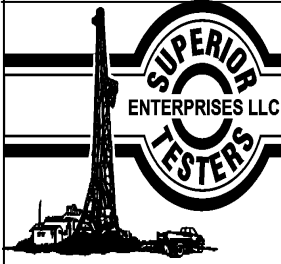
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 17127

DST#: 4

ATTN: Ryan Greenbaum

Test Start: 2012.03.15 @ 09:00:00

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)
2	10	0.50	2.20	14.84
2	20	0.50	2.50	16.86
2	30	0.50	3.00	20.24
2	40	0.50	3.00	20.24
2	50	0.50	3.00	20.24



DRILL STEM TEST REPORT

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

9431 E Central STE 100 Wichita KS
67206+2563

ATTN: Ryan Greenbaum

Deines #1-22

22-19s-15w Baton

Start Date: 2012.03.16 @ 12:00:00

End Date: 2012.03.16 @ 18:40:00

Job Ticket #: 17128 DST #: 5

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

Printed: 2012.03.16 @ 07:24:03



DRILL STEM TEST REPORT

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 17128

DST#: 5

ATTN: Ryan Greenbaum

Test Start: 2012.03.16 @ 12:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:02:30

Time Test Ended: 18:40:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-GB-20

Interval: 3605.00 ft (KB) To 3615.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3615.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8524

Press @ RunDepth: 32.91 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.03.16

End Date: 2012.03.16

Last Calib.: 2012.03.16

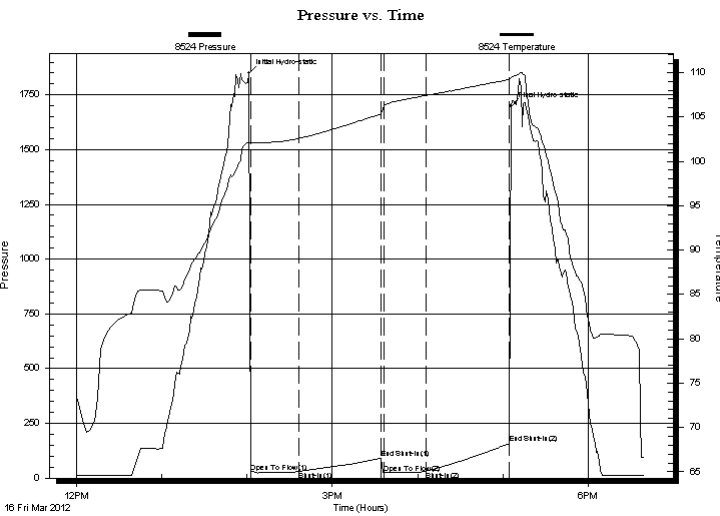
Start Time: 12:00:00

End Time: 18:40:00

Time On Btm: 2012.03.16 @ 14:01:30

Time Off Btm: 2012.03.16 @ 17:05:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 3 inches into water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Weak blow built 2 inches into water in 30 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1849.27	102.12	Initial Hydro-static
1	28.79	101.95	Open To Flow (1)
35	30.85	102.57	Shut-In(1)
93	91.89	105.32	End Shut-In(1)
95	24.24	106.15	Open To Flow (2)
125	32.91	107.42	Shut-In(2)
183	158.07	109.24	End Shut-In(2)
184	1698.46	109.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.00

Gas Rates

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



DRILL STEM TEST REPORT

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

ATTN: Ryan Greenbaum

Job Ticket: 17128

DST#: 5

Test Start: 2012.03.16 @ 12:00:00

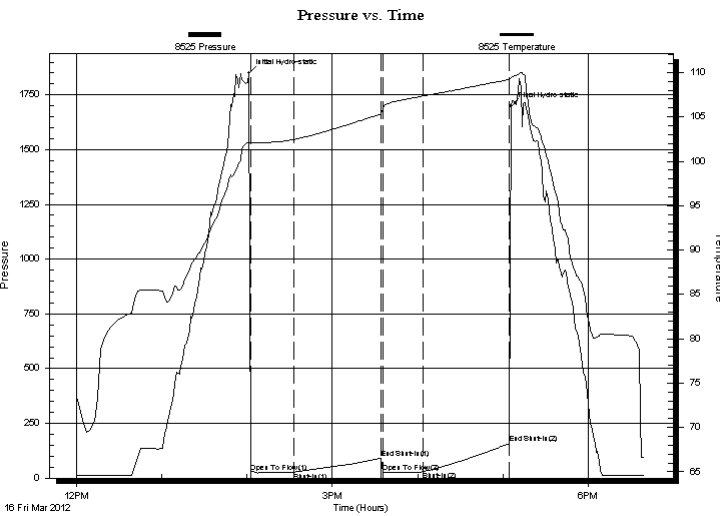
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:02:30
 Time Test Ended: 18:40:00
 Interval: **3605.00 ft (KB) To 3615.00 ft (KB) (TVD)**
 Total Depth: 3615.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-GB-20
 Reference Elevations: 1934.00 ft (KB)
 1926.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8525

Press @ RunDepth: 158.07 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.03.16 End Date: 2012.03.16 Last Calib.: 2012.03.16
 Start Time: 12:00:00 End Time: 18:40:00 Time On Btm: 2012.03.16 @ 14:01:30
 Time Off Btm: 2012.03.16 @ 17:05:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 3 inches into water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Weak blow built 2 inches into water in 30 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1849.27	102.12	Initial Hydro-static
1	28.79	101.95	Open To Flow (1)
32	27.32	102.45	Shut-In(1)
93	91.89	105.32	End Shut-In(1)
94	26.64	105.97	Open To Flow (2)
123	29.52	107.36	Shut-In(2)
183	158.07	109.24	End Shut-In(2)
184	1698.46	109.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 17128

DST#: 5

ATTN: Ryan Greenbaum

Test Start: 2012.03.16 @ 12:00:00

Tool Information

Drill Pipe:	Length: 3612.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 0.00 bbl	Tool Chased ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3605.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	5.00 ft			
Tool Length:	20.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

SHut-InTool	5.00		Inside	3595.00	
Hydraulic Tool	5.00			3600.00	
Packer	5.00			3605.00	15.00 Bottom Of Top Packer
Anchor	0.00			3605.00	
Recorder	1.00	8524	Inside	3606.00	
Recorder	1.00	8525	Outside	3607.00	
Bullnose	3.00			3610.00	5.00 Anchor Tool

Total Tool Length: 20.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G. Holl Company L.L.C

22-19s-15w Baton

9431 E Central STE 100 Wichita KS 67206+2563

Deines #1-22

Job Ticket: 17128

DST#: 5

ATTN: Ryan Greenbaum

Test Start: 2012.03.16 @ 12:00:00

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 49.00 sec/qt
 Water Loss: 8.80 in³
 Resistivity: ohm.m
 Salinity: 6400.00 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
10.00	Mud	0.000

Total Length: 10.00 ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

