



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1091419
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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

1091419

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

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

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

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	PANNING 2-13
Doc ID	1091419

All Electric Logs Run

DIL
CNL/CDL
BHCS
Microresistivity
Sector Bond
CPI
Sector Bond/Gamma Ray/CCL

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	PANNING 2-13
Doc ID	1091419

Tops

Name	Top	Datum
Anhydrite	789	+1106
Herrington	1750	+145
Krider	1772	+123
Winfield	1802	+93
Towanda	1868	+27
Fort Riley	1910	-15
B/Florence	2000	-105
Kinney LS	2022	-127
Wrefold	2052	-157
Council Grove	2076	-181
Crouse	2110	-215
Neva	2247	-352
Red Eagle	2307	-412
Wabaunsee	2489	-594
Root Shale	2540	-645
Stotler	2606	-711
Tarkio	2668	-773
Howard	2807	-912
Topeka	2878	-983
Heebner	3147	-1252
Toronto	3158	-1263
Douglas Shale	3177	-1282
Brown Lime	3248	-1353
LKC	3258	-1363

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	PANNING 2-13
Doc ID	1091419

Tops

Name	Top	Datum
BKC	3477	-1582
Cherty Conglomerate	3485	-1590
Arbuckle	3532	-1637
RTD	3750	-1855

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



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 22, 2012

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

Re: ACO1
API 15-009-25702-00-00
PANNING 2-13
SW/4 Sec.13-20S-14W
Barton County, Kansas

Dear Production Department:

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

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

Respectfully,
Franklin R. Greenbaum

Mud-Co / Service Mud Inc.

Operator **FG Holl** County **Barton** State **Kansas** Pump **6** X **14** X **60** SPM Casing Program **8 5/8** " @ **785** ft.
 Well **Panning #2-13** Location _____ GPM **7.75** BPM _____ " @ _____ ft.
 Contractor **Duke #8** Sec **13** TWP **20S** RNG **14W** D.P. **4.5** in. **191** FT/MIN R.A. _____ " @ _____ ft.
 Stockpoint **Pratt, Ks.** Date **6/11/2012** Engineer **Rick Hughes** Collar **6.25** in. **495** ft. **348** FT/MIN R.A. Total Depth **3750'** ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY			GELS 10 sec / 10 min.	pH	FILTRATION/FILTRATION 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 %					
6/11	0																			RURT	
6/11	1383	9.4	28	2	1	0/0	7.0	N/C	-		58m	Hvy		4.4		95.6				Drig. Starch displacement 1600'	
6/14	2099	9.1	38	5	17	19/23	7.0	16.4	4		21m	Hvy		4.5		95.5				Drig.	
6/15	2725	8.9	45	12	10	9/32	10.5	7.2	1		3,800	20		4.1		95.9				Drig. Displace @ 2466/Chem	
6/16	3182	9.2	50	14	14	9/37	9.5	8.8	1		6,700	20		6.0		94.0				Drig. DST #1 @ 3306'	
6/17	3348	9.4	47	15	12	8/36	8.5	11.2	1		7,300	80		7.4		92.6	1			TIH w/ DST 2 DST #2 @ 3348'	
6/18	3406	9.2	47	13	11	8/33	9.5	9.2	1		6,100	20		6.1		93.9				TIH w/ DST 4 DST #3 @ 3392'	
6/19	3462	9.2	48	12	9	7/32	10.0	8.8	1		8,300	20		6.0		94.0				Drig. DST #4 @ 3406'	
6/20	3586	8.8	47	13	8	14/48	10.5	9.6	1		8,500	40		3.1		96.9				Drig. DST #5 @ 3430	
6/21	3750																			LDDP DST #6 @ 355	
																					FINAL: Ran 6 DST's, Logs OK, Ran 4 1/2 csg
																					Reserve Pit, Chl content ppm: 64000
																					Estimated Volume: 400 bbls

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	44					
CAUSTIC SODA	21					
DESCO	2					
DRILL PAK	7					
MIL-GUARD	3					
PREMIUM GEL	444					
SALT CLAY	5					
SODA ASH	27					
STARCH	62					
SUPER LIG	19					
						Total Mud Cost
						Trucking Cost
						Trucking Surcharge
						Taxes
						TOTAL COST



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 06414 A

DATE _____ TICKET NO. _____

DATE OF JOB 6-12-12 DISTRICT Pratt		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER F.G HOLL CO. LLC		LEASE Panning 273 WELL NO.							
ADDRESS		COUNTY Barton STATE 155							
CITY STATE		SERVICE CREW Mitchell Lawrence Melson							
AUTHORIZED BY		JOB TYPE: CNW 8 5/8 Surface							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
27467							6-12	AM	8:15
19959-19860	3/4						6-12	PM	9:55
27906	3/4						6-12	PM	12:45
							6-12	AM	1:30
							6-12	AM	3:30
						MILES FROM STATION TO WELL			55

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: *Albert Melson*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 101	A-CON Blend	SK	175		3,150 00
CP 100L	common cement	SK	175		2,800 00
CL 102	celloflake	lb	88		325 60
CL 109	calcium chloride	lb	825		866 25
CF 105	TOP Robber Plug	eq	1		225 00
CF 1753	centralizer	eq	3		270 00
E 100	Pickup mile	mi	55		233 75
E 101	Heavy Mileage	mi	101		770 00
E 113	Bulk Delivery	TM			1,452 00
CE 201	Depth charge	4hr	1		1,200 00
CE 240	mixing charge	SK	350		490 00
CE 50M	Plug container	JOB	1		250 00
5003	supervisor	eq	1		175 00
SUB TOTAL					9,766 08

DLS

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE *Albert Melson* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Albert Melson*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



ASIC Energy Services, L.P.

TREATMENT REPORT

Customer **F.G. HOLL** Lease No. _____ Date **6.12.12**
 Lease **Panning** Well # **2-13**
 Field Order # **6414** Station **Pratt** Casing **8 5/8** Depth **785** County **Barton** State **ISS**
 Type Job **CNW 8 5/8 Surface** Formation _____ Legal Description **13-20.14**

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
8 5/8							
Depth 770	Depth	From	To	Pre Pad	Max		5 Min.
Volume 49	Volume	From	To	Pad	Min		10 Min.
Max Press 500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP.Used		Annulus Pressure
Plug Depth 770	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative **Steve** Station Manager **SCOTTY** Treater **JOE MELSON**

Service Units	27403	19960-19860	27900				
Driver Names	Mitchell	Lawrence	Melson				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:55					on loc safety meeting
					Run 18 JTS casing 8 5/8 23 # casing
					centralizer 1 19.17
					casing on bottom
					Break circ. with Big
12:45	150		77	4.5	Mix 175 sls A-CON 12 # / gal
			37	4.5	Mix 175 sls COMMON 15.6 # / gal
13:22					shut down
					Release Plug
13:25			0	4.5	Start H2O Disp
			20	2	Cement 0.543 gal
13:30	250		49	2	Plug Down and Hold
					JOB COMPLETE
					Thank you
					Adl



DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene Husted

Panning #2-13

13-20s-14w Barton

Start Date: 2012.06.16 @ 00:00:00

End Date: 2012.06.16 @ 00:00:00

Job Ticket #: 15873 DST #: 1

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

Printed: 2012.06.16 @ 22:29:36



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15873

DST#: 1

ATTN: Rene Husted

Test Start: 2012.06.16 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "A-B & C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3250.00 ft (KB) To 3306.00 ft (KB) (TVD)

Reference Elevations: 1895.00 ft (KB)

Total Depth: 3306.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 93335 Inside

Press @ Run Depth: 145.58 psia @ 3301.69 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.16 End Date: 2012.06.17

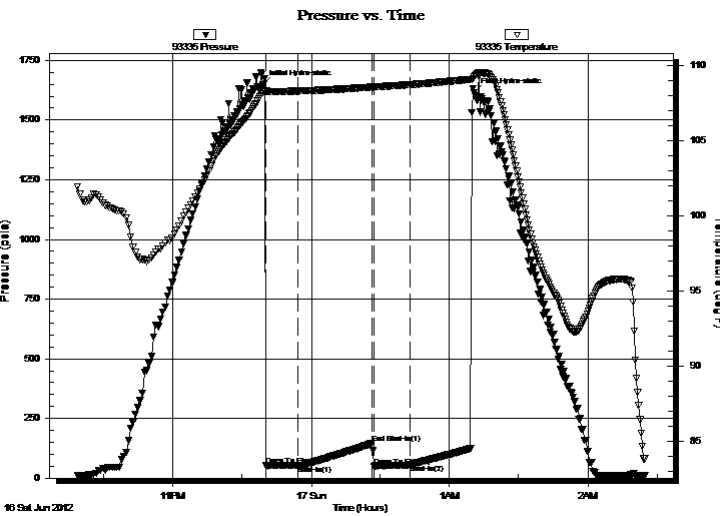
Last Calib.: 2012.06.16

Start Time: 22:17:07 End Time: 02:24:37

Time On Btm: 2012.06.16 @ 23:39:07

Time Off Btm: 2012.06.17 @ 01:10:37

TEST COMMENT: 1sr Opening 15 Minutes Very weak surface blow through out
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-Good surge 3i inches bleed it off very weak surface blow 9 minutes and died
2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1648.52	108.22	Initial Hydro-static
1	51.84	108.30	Open To Flow (1)
15	52.97	108.30	Shut-In(1)
47	145.58	108.57	End Shut-In(1)
48	50.79	108.58	Open To Flow (2)
64	55.81	108.72	Shut-In(2)
92	1614.96	109.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith a very slight show	0.14
0.00	of oil	0.00

Gas Rates

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



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15873

DST#: 1

ATTN: Rene Husted

Test Start: 2012.06.16 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "A-B & C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3250.00 ft (KB) To 3306.00 ft (KB) (TVD)

Reference Elevations: 1895.00 ft (KB)

Total Depth: 3306.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press @ Run Depth: 124.20 psia @ 3302.69 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.16 End Date: 2012.06.17

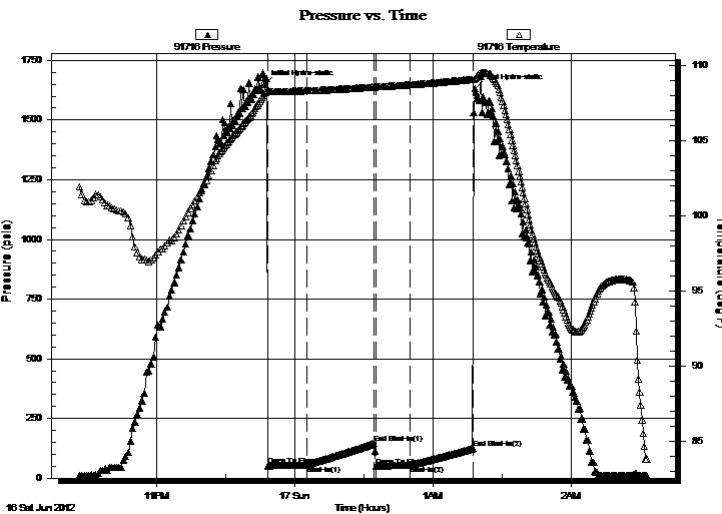
Last Calib.: 2012.06.16

Start Time: 22:25:13 End Time: 02:32:43

Time On Btm: 2012.06.16 @ 23:47:13

Time Off Btm: 2012.06.17 @ 01:18:13

TEST COMMENT: 1sr Opening 15 Minutes Very weak surfce blow through out
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-Good surge 3i inches bleed it off very weak surface blow 9 minutes and died
2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1648.52	108.22	Initial Hydro-static
1	51.84	108.30	Open To Flow (1)
18	55.51	108.32	Shut-In(1)
47	145.58	108.57	End Shut-In(1)
48	50.79	108.58	Open To Flow (2)
63	54.25	108.72	Shut-In(2)
91	124.20	109.07	End Shut-In(2)
91	1630.46	109.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith a very slight show	0.14
0.00	of oil	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.

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15873

DST#: 1

ATTN: Rene Husted

Test Start: 2012.06.16 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.76 inches	Volume: - 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:	42000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
				String Weight: Initial	35000.00 lb
Drill Pipe Above KB:	8.00 ft			Final	35000.00 lb
Depth to Top Packer:	3250.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	55.69 ft				
Tool Length:	83.69 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

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

Shut-In Tool	5.00			3227.00	
Hydraulic Tool	5.00			3232.00	
Jars	6.00			3238.00	
Safety Joint	2.00			3240.00	
Packer	5.00			3245.00	28.00 Bottom Of Top Packer
Packer	5.00			3250.00	
Perforations	5.00			3255.00	
Change Over Sub	0.75			3255.75	
Drill Pipe	29.19			3284.94	
Change Over Sub	0.75			3285.69	
Perforations	15.00			3300.69	
Recorder	1.00	93335	Inside	3301.69	
Recorder	1.00	91716	Outside	3302.69	
Bull Plug	3.00			3305.69	55.69 Bottom Packers & Anchor

Total Tool Length: 83.69



DRILL STEM TEST REPORT

FLUID SUMMARY

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15873

DST#: 1

ATTN: Rene Husted

Test Start: 2012.06.16 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 8.80 in³
Resistivity: ohm.m
Salinity: 67000.00 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 with a very slight show	0.140
0.00	of oil	0.000

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

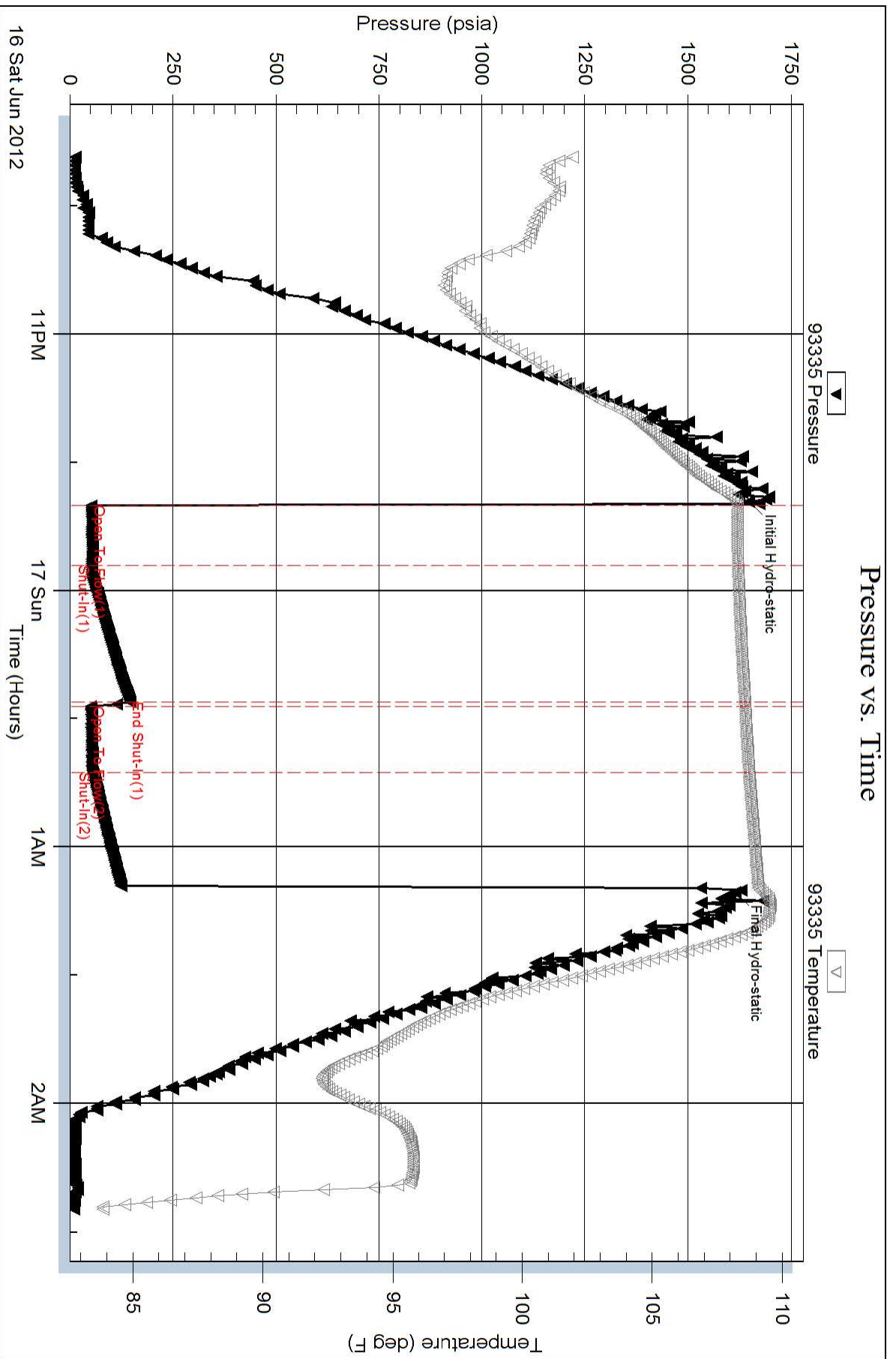
Serial #: 93335

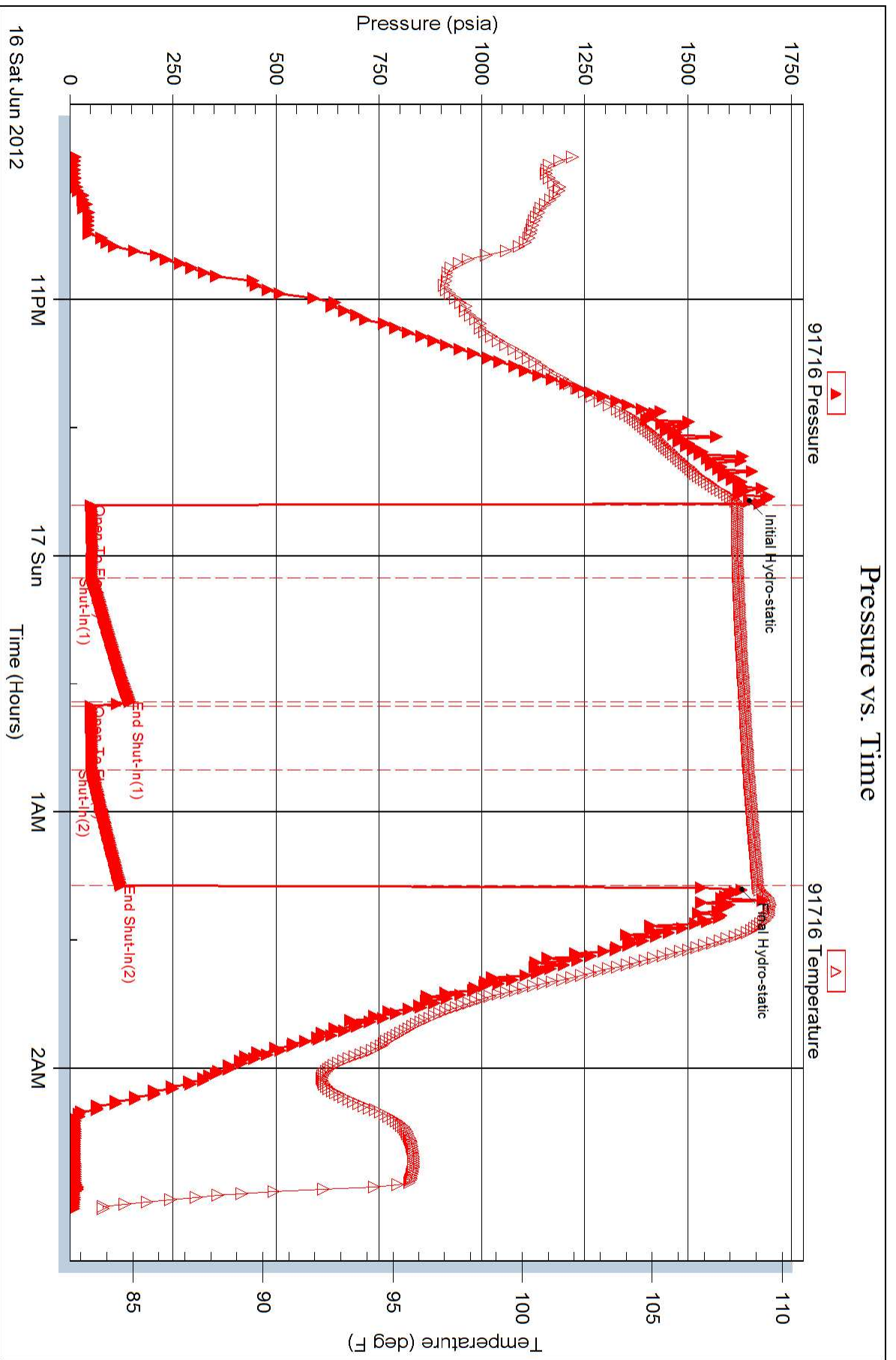
Inside

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

Panning #2-13

DST Test Number: 1







DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene Husted

Panning #2-13

13-20s-14w Barton

Start Date: 2012.06.17 @ 00:00:00

End Date: 2012.06.17 @ 00:00:00

Job Ticket #: 15874 DST #: 2

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

Printed: 2012.06.17 @ 14:02:40

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

13-20s-14w Barton

Panning #2-13

DST # 2

Kansas City "E-F & G"

2012.06.17



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15874

DST#: 2

ATTN: Rene Husted

Test Start: 2012.06.17 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "E-F & G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig F & G"

Unit No: 3335

Interval: 3306.00 ft (KB) To 3348.00 ft (KB) (TVD)

Reference Elevations: 1895.00 ft (KB)

Total Depth: 3348.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press @ Run Depth: 1135.28 psia @ 3345.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.17

End Date: 2012.06.17

Last Calib.: 2012.06.17

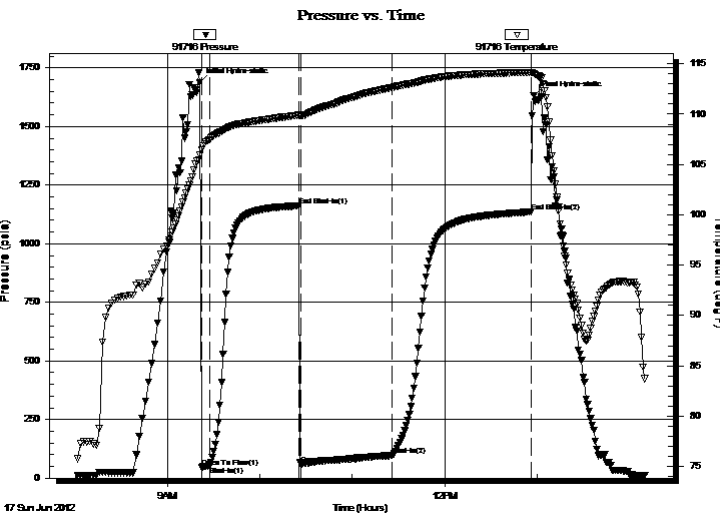
Start Time: 08:00:00

End Time: 14:10:00

Time On Btm: 2012.06.17 @ 09:21:00

Time Off Btm: 2012.06.17 @ 12:58:00

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1687.51	105.93	Initial Hydro-static
1	47.07	106.48	Open To Flow (1)
6	51.98	107.48	Shut-In(1)
64	1161.53	109.91	End Shut-In(1)
66	60.02	109.88	Open To Flow (2)
125	96.71	112.66	Shut-In(2)
215	1135.28	114.14	End Shut-In(2)
217	1632.06	114.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	750 feet of gas in the pipe	0.00
130.00	oil and gas cut mud 20 oil %Gas 75%Mud	1.82
0.00	Poor grind out oil w as very low gravity	0.00

Gas Rates

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



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15874

DST#: 2

ATTN: Rene Husted

Test Start: 2012.06.17 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "E-F & G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Interval: 3306.00 ft (KB) To 3348.00 ft (KB) (TVD)

Total Depth: 3348.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig F & G"

Unit No: 3335

Reference Elevations: 1895.00 ft (KB)

1887.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 93335 Inside

Press @ Run Depth: 1134.89 psia @ 3344.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.17

End Date: 2012.06.17

Last Calib.: 2012.06.17

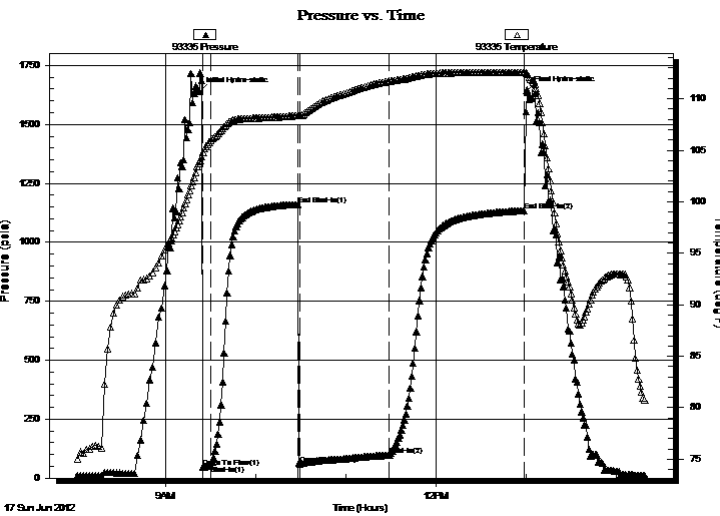
Start Time: 08:00:00

End Time: 14:19:00

Time On Btm: 2012.06.17 @ 09:22:30

Time Off Btm: 2012.06.17 @ 13:00:30

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1638.76	103.87	Initial Hydro-static
3	46.94	104.82	Open To Flow (1)
8	53.25	105.98	Shut-In(1)
66	1161.05	108.38	End Shut-In(1)
67	60.04	108.34	Open To Flow (2)
127	97.87	111.70	Shut-In(2)
217	1134.89	112.56	End Shut-In(2)
218	1645.24	112.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	750 feet of gas in the pipe	0.00
130.00	oil and gas cut mud 20 oil %Gas 75%Mud	1.82
0.00	Poor grind out oil w as very low gravity	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.

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15874

DST#: 2

ATTN: Rene Husted

Test Start: 2012.06.17 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3289.00 ft	Diameter: 3.80 inches	Volume: 46.14 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 46.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3306.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3283.00	
Hydraulic Tool	5.00			3288.00	
Jars	6.00			3294.00	
Safety Joint	2.00			3296.00	
Packer	5.00			3301.00	28.00 Bottom Of Top Packer
Packer	5.00			3306.00	
Perforations	37.00			3343.00	
Recorder	1.00	93335	Inside	3344.00	
Recorder	1.00	91716	Outside	3345.00	
Bull Plug	3.00			3348.00	42.00 Bottom Packers & Anchor
Total Tool Length:	70.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15874

DST#: 2

ATTN: Rene Husted

Test Start: 2012.06.17 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 22.19 in³
Resistivity: ohm.m
Salinity: 7300.00 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
0.00	750 feet of gas in the pipe	0.000
130.00	oil and gas cut mud 20 oil %Gas 75%Mud	1.824
0.00	Poor grind out oil w as very low gravity	0.000

Total Length: 130.00 ft Total Volume: 1.824 bbl

Num Fluid Samples: 0

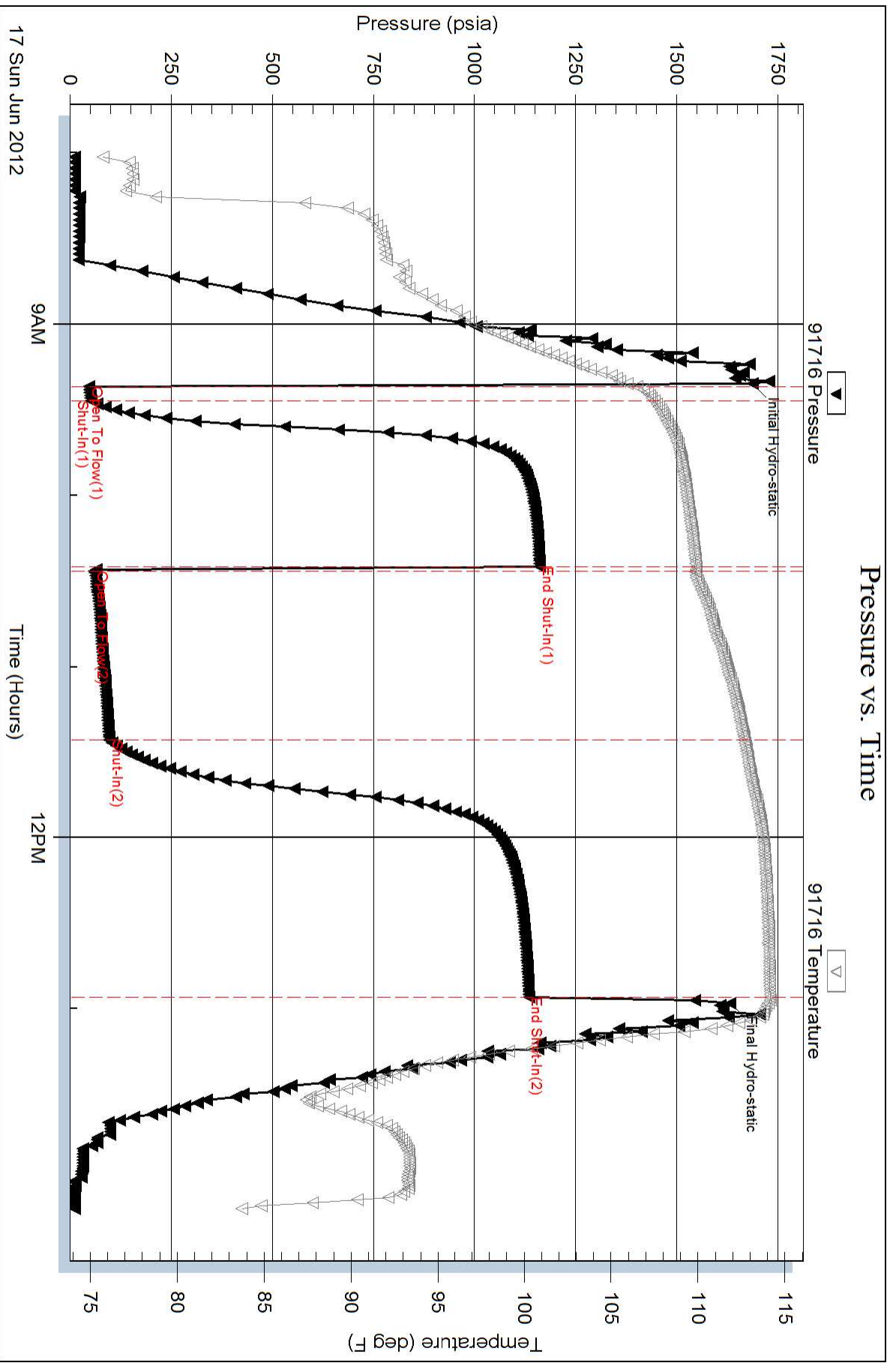
Num Gas Bombs: 0

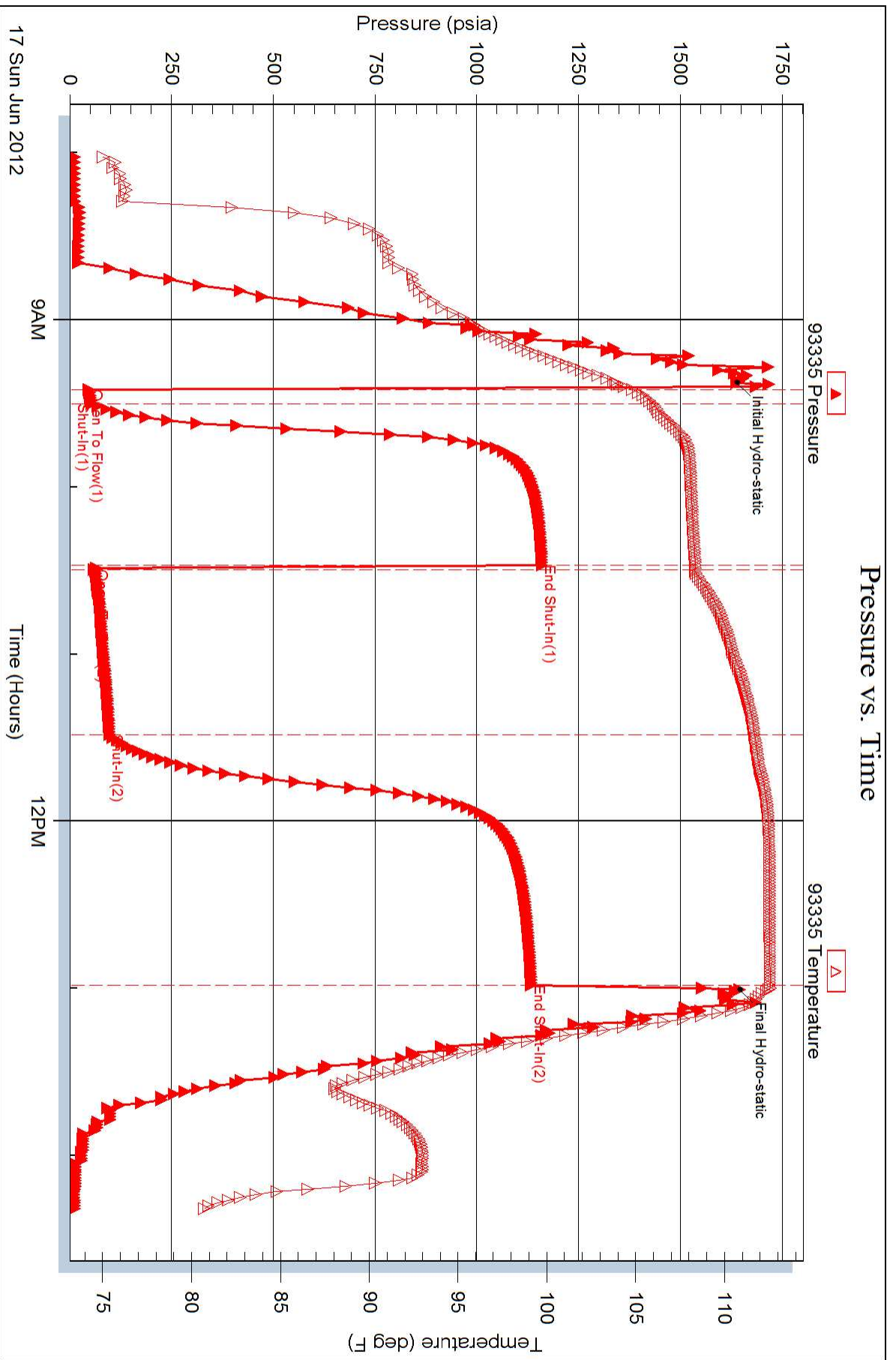
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene Husted

Panning #2-13

13-20s-14w Barton

Start Date: 2012.06.17 @ 00:00:00

End Date: 2012.06.17 @ 00:00:00

Job Ticket #: 15875 DST #: 3

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

Printed: 2012.06.18 @ 01:34:40



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15875

DST#: 3

ATTN: Rene Husted

Test Start: 2012.06.17 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3366.00 ft (KB) To 3392.00 ft (KB) (TVD)

Reference Elevations: 1895.00 ft (KB)

Total Depth: 3392.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 93335 Inside

Press @ RunDepth: 40.90 psia @ 3388.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.18 End Date: 2012.06.18

Last Calib.: 2012.06.18

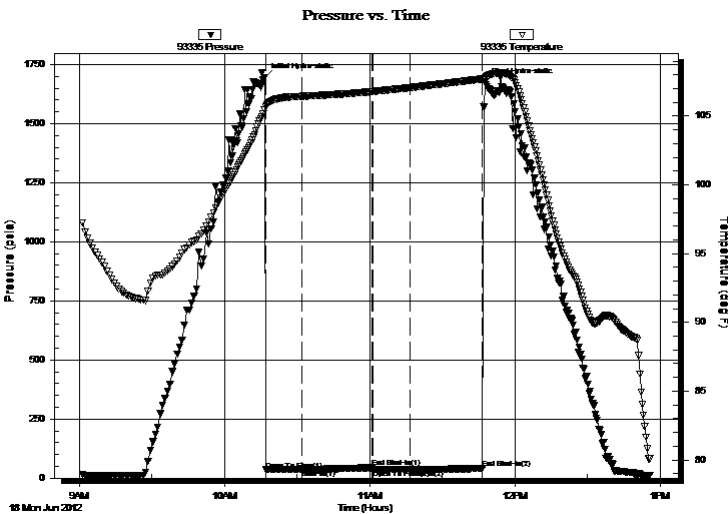
Start Time: 09:00:00 End Time: 12:55:30

Time On Btm: 2012.06.18 @ 10:16:30

Time Off Btm: 2012.06.18 @ 11:47:30

TEST COMMENT: 1st Opening 15 minutes weak blow for 3 minutes and died
1st Shut-In 30 Minutes- No blow back
2nd Opening 15 Minutes- No blow
2nd Shut-In 30 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1693.46	105.47	Initial Hydro-static
1	35.38	105.67	Open To Flow (1)
16	36.83	106.44	Shut-In(1)
45	43.93	106.79	End Shut-In(1)
45	36.79	106.80	Open To Flow (2)
60	36.87	107.07	Shut-In(2)
90	40.90	107.71	End Shut-In(2)
91	1672.63	107.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling Mud	0.03

Gas Rates

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



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15875

DST#: 3

ATTN: Rene Husted

Test Start: 2012.06.17 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3366.00 ft (KB) To 3392.00 ft (KB) (TVD)

Reference Elevations: 1895.00 ft (KB)

Total Depth: 3392.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press @ RunDepth: 40.38 psia @ 3389.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.18 End Date: 2012.06.18

Last Calib.: 2012.06.18

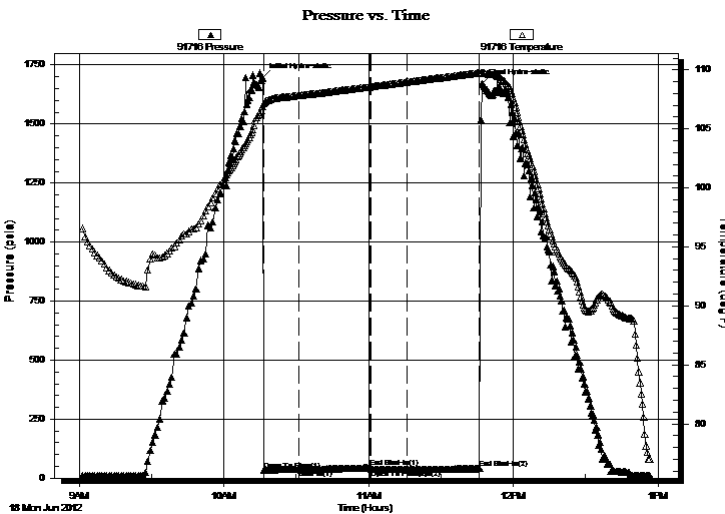
Start Time: 09:00:00 End Time: 12:56:30

Time On Btm: 2012.06.18 @ 10:16:00

Time Off Btm: 2012.06.18 @ 11:47:00

TEST COMMENT: 1st Opening 15 minutes weak blow for 3 minutes and died
1st Shut-In 30 Minutes- No blow back
2nd Opening 15 Minutes- No blow
2nd Shut-In 30 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1694.80	106.91	Initial Hydro-static
1	35.39	107.14	Open To Flow (1)
15	36.48	107.83	Shut-In(1)
45	43.75	108.56	End Shut-In(1)
45	36.31	108.58	Open To Flow (2)
60	36.04	108.98	Shut-In(2)
90	40.38	109.76	End Shut-In(2)
91	1670.72	109.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling Mud	0.03

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15875

DST#: 3

ATTN: Rene Husted

Test Start: 2012.06.17 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3352.00 ft	Diameter: 3.80 inches	Volume: 47.02 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 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: 44000.00 lb
			<u>Total Volume: 47.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3366.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3343.00	
Hydraulic Tool	5.00			3348.00	
Jars	6.00			3354.00	
Safety Joint	2.00			3356.00	
Packer	5.00			3361.00	28.00 Bottom Of Top Packer
Packer	5.00			3366.00	
Perforations	21.00			3387.00	
Recorder	1.00	93335	Inside	3388.00	
Recorder	1.00	91716	Outside	3389.00	
Bull Plug	3.00			3392.00	26.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15875

DST#: 3

ATTN: Rene Husted

Test Start: 2012.06.17 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 11.20 in³
Resistivity: ohm.m
Salinity: 7300.00 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
2.00	Drilling Mud	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

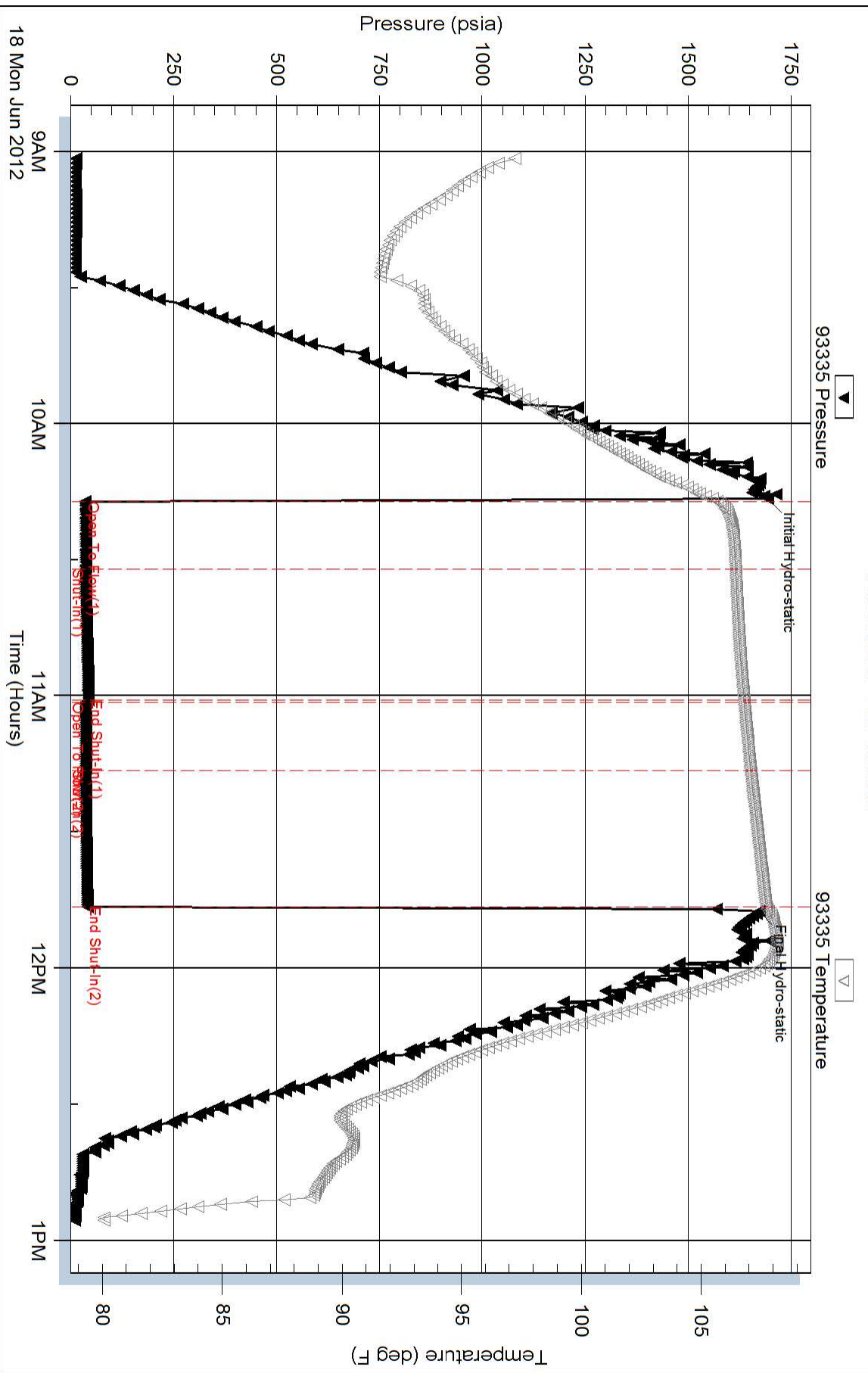
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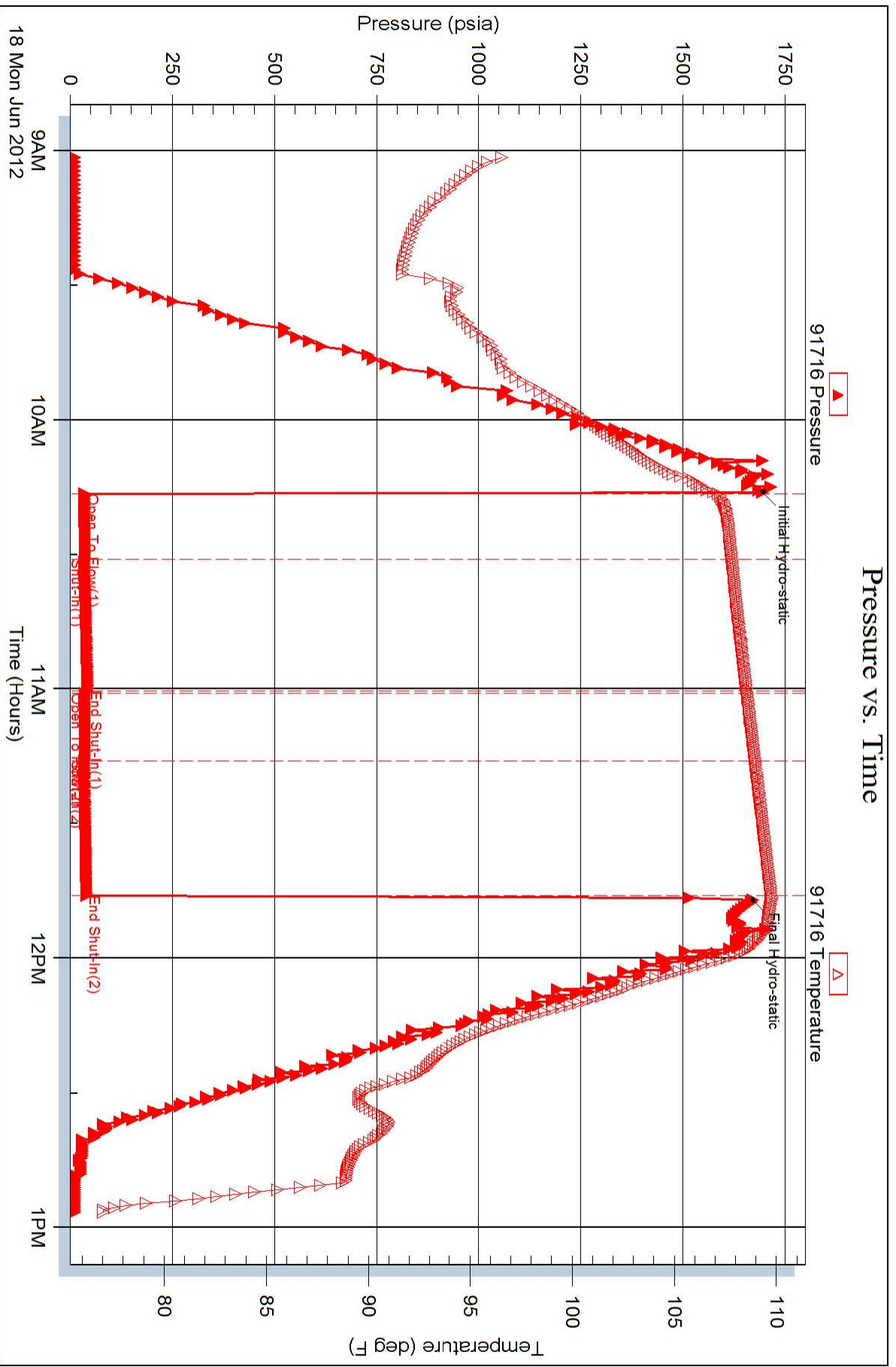
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene Husted

Panning #2-13

13-20s-14w Barton

Start Date: 2012.06.18 @ 08:15:00

End Date: 2012.06.18 @ 00:00:00

Job Ticket #: 15876 DST #: 4

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

Printed: 2012.06.18 @ 14:38:11



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15876

DST#: 4

ATTN: Rene Husted

Test Start: 2012.06.18 @ 08:15:00

GENERAL INFORMATION:

Formation: **Kansas City "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3392.00 ft (KB) To 3406.00 ft (KB) (TVD)

Reference Elevations: 1895.00 ft (KB)

Total Depth: 3406.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press @ RunDepth: 601.12 psia @ 3403.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.18

End Date: 2012.06.18

Last Calib.: 2012.06.18

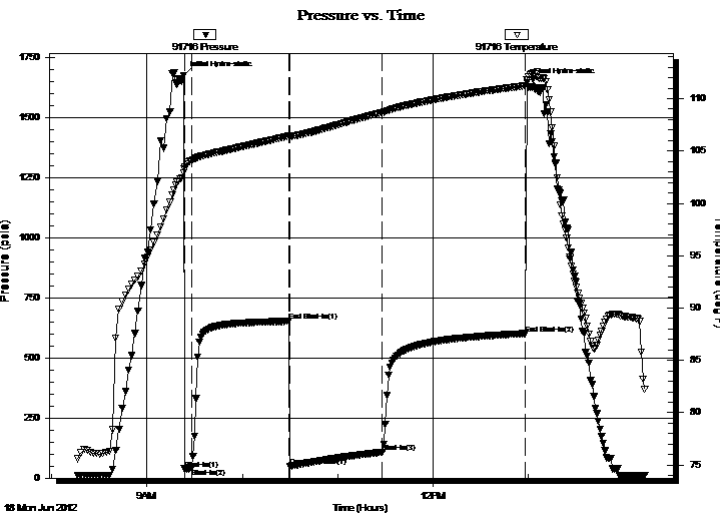
Start Time: 08:16:30

End Time: 14:13:00

Time On Btm: 2012.06.18 @ 09:23:00

Time Off Btm: 2012.06.18 @ 12:59:00

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1674.53	102.92	Initial Hydro-static
1	38.40	103.25	Shut-In(1)
5	41.17	104.09	Shut-In(2)
66	652.34	106.43	End Shut-In(1)
67	48.07	106.41	Open To Flow (1)
125	108.34	108.68	Shut-In(3)
215	601.12	111.24	End Shut-In(2)
216	1643.93	111.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Gas in the pipe	5.05
50.00	Oil cut mud	0.70
0.00	6%Gas 40%oil 24%w ater 30% Mud	0.00
60.00	oil cut muddy w ater	0.84
0.00	10% Oil 10% Mud 80% Water	0.00
0.00	Trace of oil 5% Mud 95% Water	0.00

Gas Rates

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



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15876

DST#: 4

ATTN: Rene Husted

Test Start: 2012.06.18 @ 08:15:00

GENERAL INFORMATION:

Formation: **Kansas City "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Interval: 3392.00 ft (KB) To 3406.00 ft (KB) (TVD)

Total Depth: 3406.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Reference Elevations: 1895.00 ft (KB)

1887.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 93336 Inside

Press @ RunDepth: 601.12 psia @ 3402.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.18

End Date: 2012.06.18

Last Calib.: 2012.06.18

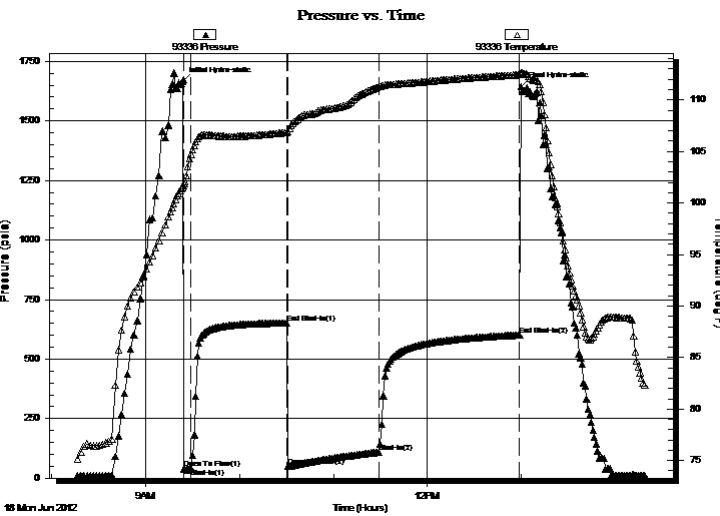
Start Time: 08:16:30

End Time: 14:19:00

Time On Btm: 2012.06.18 @ 09:23:30

Time Off Btm: 2012.06.18 @ 13:00:00

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1667.10	101.51	Initial Hydro-static
1	39.18	101.89	Open To Flow (1)
6	42.32	104.72	Shut-In(1)
67	652.06	106.84	End Shut-In(1)
68	48.74	106.93	Open To Flow (2)
126	109.42	111.27	Shut-In(2)
216	601.12	112.43	End Shut-In(2)
217	1643.17	112.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Gas in the pipe	5.05
50.00	Oil cut mud	0.70
0.00	6%Gas 40%oil 24%w ater 30% Mud	0.00
60.00	oil cut muddy w ater	0.84
0.00	10% Oil 10% Mud 80% Water	0.00
0.00	Trace of oil 5% Mud 95% Water	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.

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15876

DST#: 4

ATTN: Rene Husted

Test Start: 2012.06.18 @ 08:15:00

Tool Information

Drill Pipe:	Length: 3379.00 ft	Diameter: 3.80 inches	Volume: 47.40 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight to Pull Loose: 39000.00 lb
			<u>Total Volume: 47.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3392.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

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

Shut-In Tool	5.00			3369.00	
Hydraulic Tool	5.00			3374.00	
Jars	6.00			3380.00	
Safety Joint	2.00			3382.00	
Packer	5.00			3387.00	28.00 Bottom Of Top Packer
Packer	5.00			3392.00	
Perforations	9.00			3401.00	
Recorder	1.00	93336	Inside	3402.00	
Recorder	1.00	91716	Outside	3403.00	
Bull Plug	3.00			3406.00	14.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 15876

DST#: 4

ATTN: Rene Husted

Test Start: 2012.06.18 @ 08:15:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6100.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	Gas in the pipe	5.050
50.00	Oil cut mud	0.701
0.00	6%Gas 40%oil 24%water 30% Mud	0.000
60.00	oil cut muddy water	0.842
0.00	10% Oil 10% Mud 80% Water	0.000
0.00	Trace of oil 5% Mud 95% Water	0.000
0.00	chlorides 73000	0.000

Total Length: 470.00 ft Total Volume: 6.593 bbl

Num Fluid Samples: 0

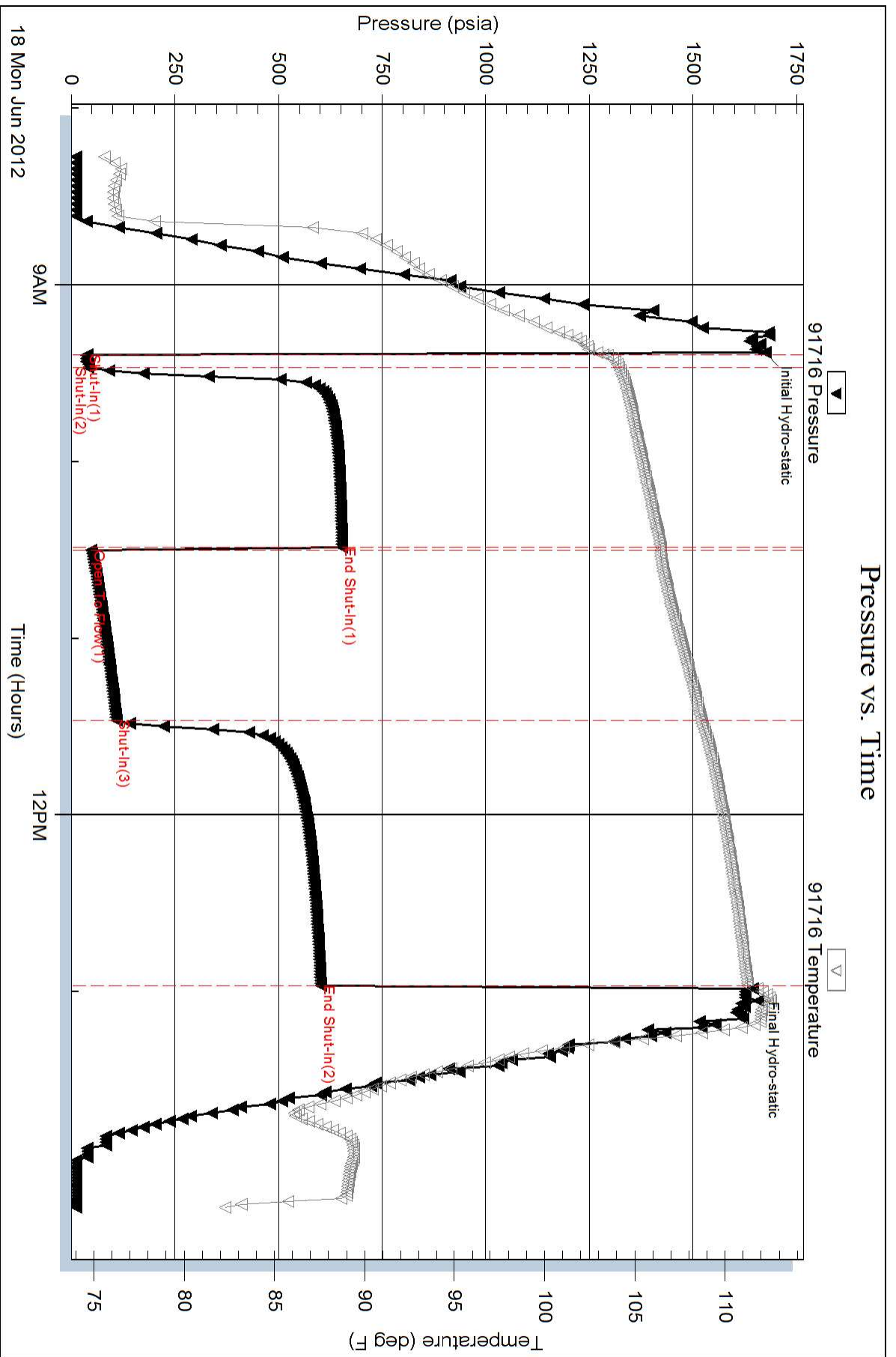
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 93336

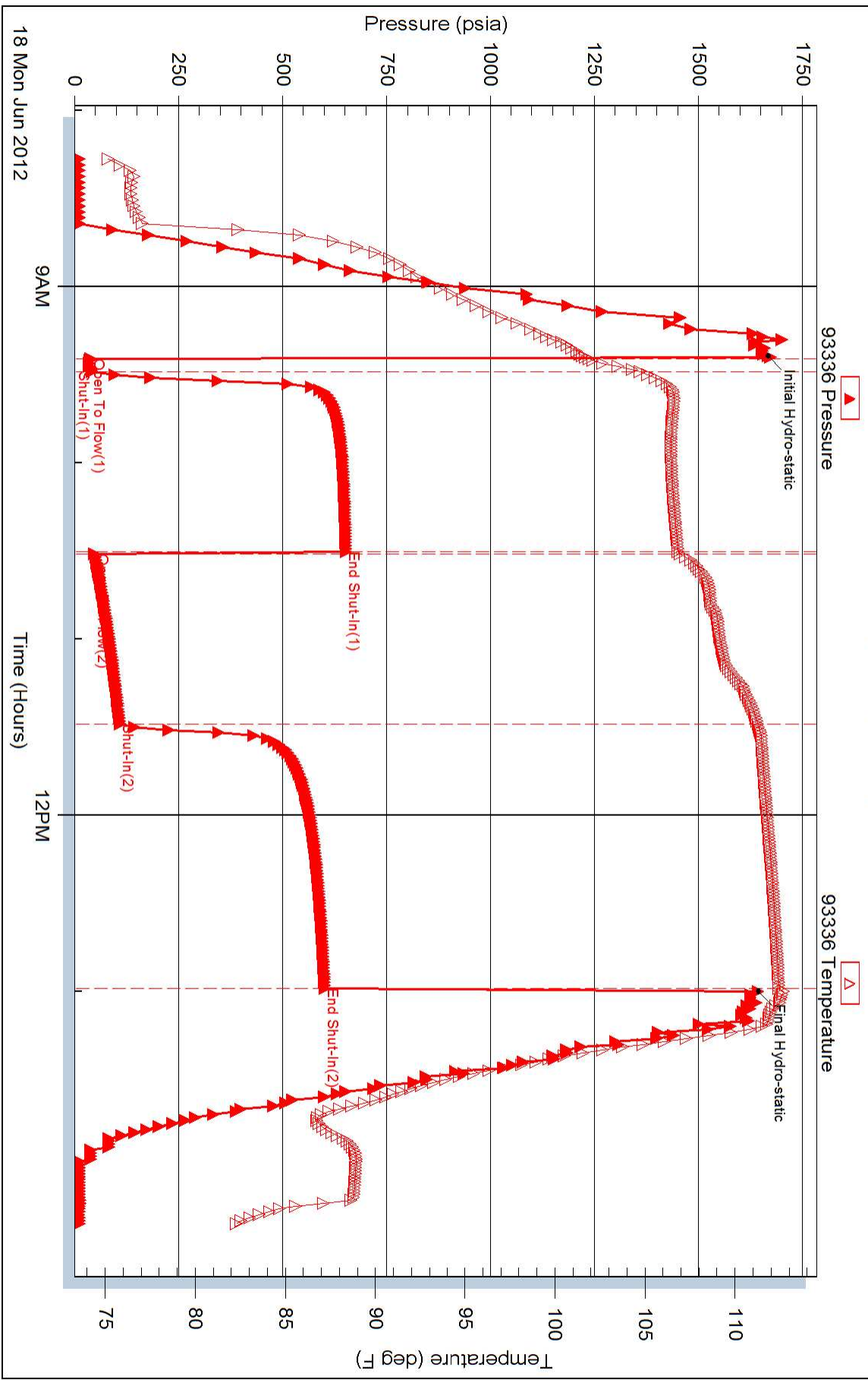
Inside

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

Panning #2-13

DST Test Number: 4

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 15876

Printed: 2012.06.18 @ 14:38:13



DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene Husted

Panning #2-13

13-20s-14w Barton

Start Date: 2012.06.18 @ 00:00:00

End Date: 2012.06.18 @ 00:00:00

Job Ticket #: 17777 DST #: 5

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

Printed: 2012.06.19 @ 01:46:14



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 17777

DST#: 5

ATTN: Rene Husted

Test Start: 2012.06.18 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3412.00 ft (KB) To 3430.00 ft (KB) (TVD)

Reference Elevations: 1895.00 ft (KB)

Total Depth: 3430.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 93335 Inside

Press @ Run Depth: 281.76 psia @ 3426.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.19

End Date: 2012.06.19

Last Calib.: 2012.06.19

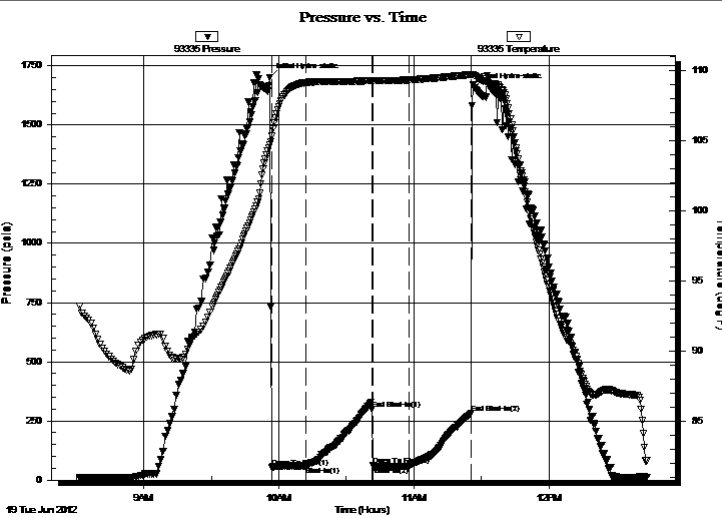
Start Time: 08:30:00

End Time: 12:43:30

Time On Btm: 2012.06.19 @ 09:56:00

Time Off Btm: 2012.06.19 @ 11:27:00

TEST COMMENT: 1st Opening 15 Minutes-Slid tool 12 feet to bottom picked up some mud bled it off no blow
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 15 Minutes No blow
 2nd shut-In 30 Minutes- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1699.35	104.73	Initial Hydro-static
1	54.13	105.33	Open To Flow (1)
16	60.13	109.15	Shut-In(1)
46	298.78	109.30	End Shut-In(1)
46	61.54	109.30	Open To Flow (2)
62	57.27	109.35	Shut-In(2)
90	281.76	109.73	End Shut-In(2)
91	1658.73	109.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	Drilling Mud	0.49

Gas Rates

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



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 17777

DST#: 5

ATTN: Rene Husted

Test Start: 2012.06.18 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3412.00 ft (KB) To 3430.00 ft (KB) (TVD)

Reference Elevations: 1895.00 ft (KB)

Total Depth: 3430.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press @ RunDepth: 284.90 psia @ 3427.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.19

End Date: 2012.06.19

Last Calib.: 2012.06.19

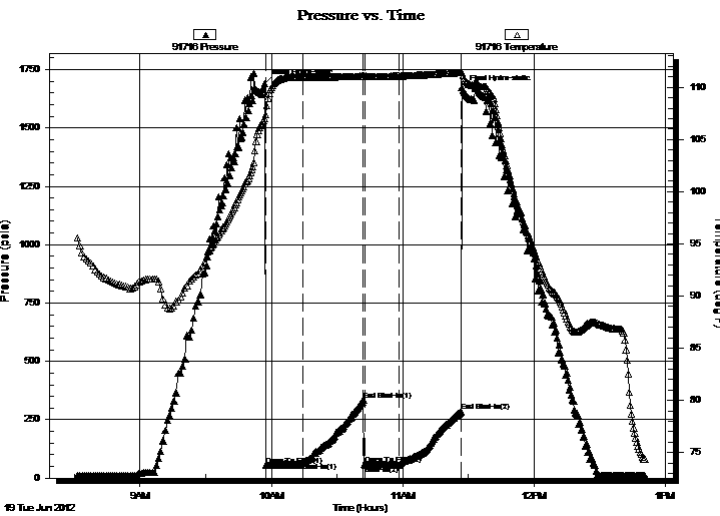
Start Time: 08:30:00

End Time: 12:50:30

Time On Btm: 2012.06.19 @ 09:57:00

Time Off Btm: 2012.06.19 @ 11:27:30

TEST COMMENT: 1st Opening 15 Minutes-Slid tool 12 feet to bottom picked up some mud bled it off no blow
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 15 Minutes No blow
 2nd shut-In 30 Minutes- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1690.18	106.97	Initial Hydro-static
1	55.06	107.36	Open To Flow (1)
18	68.80	111.01	Shut-In(1)
45	334.14	111.07	End Shut-In(1)
46	59.41	111.07	Open To Flow (2)
62	56.38	111.09	Shut-In(2)
90	284.90	111.43	End Shut-In(2)
91	1662.66	111.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	Drilling Mud	0.49

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 17777

DST#: 5

ATTN: Rene Husted

Test Start: 2012.06.18 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3409.00 ft	Diameter: 3.80 inches	Volume: 47.82 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 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: 44000.00 lb
			<u>Total Volume: 47.82 bbl</u>	Tool Chased 12.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3412.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3389.00	
Hydraulic Tool	5.00			3394.00	
Jars	6.00			3400.00	
Safety Joint	2.00			3402.00	
Packer	5.00			3407.00	28.00 Bottom Of Top Packer
Packer	5.00			3412.00	
Perforations	13.00			3425.00	
Recorder	1.00	93335	Inside	3426.00	
Recorder	1.00	91716	Outside	3427.00	
Bull Plug	3.00			3430.00	18.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 17777

DST#: 5

ATTN: Rene Husted

Test Start: 2012.06.18 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 9.20 in³
Resistivity: ohm.m
Salinity: 6100.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	Drilling Mud	0.491

Total Length: 35.00 ft Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

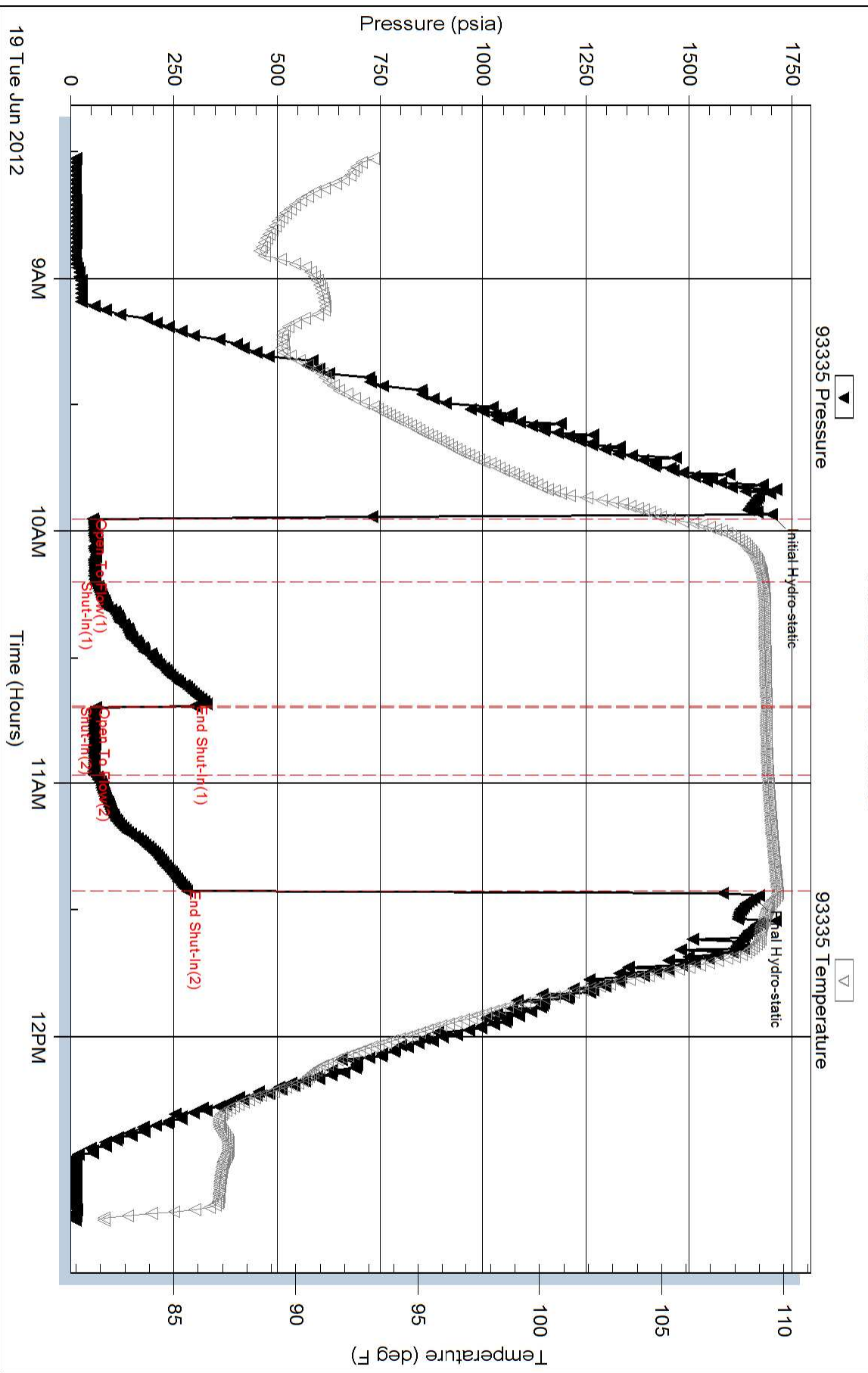
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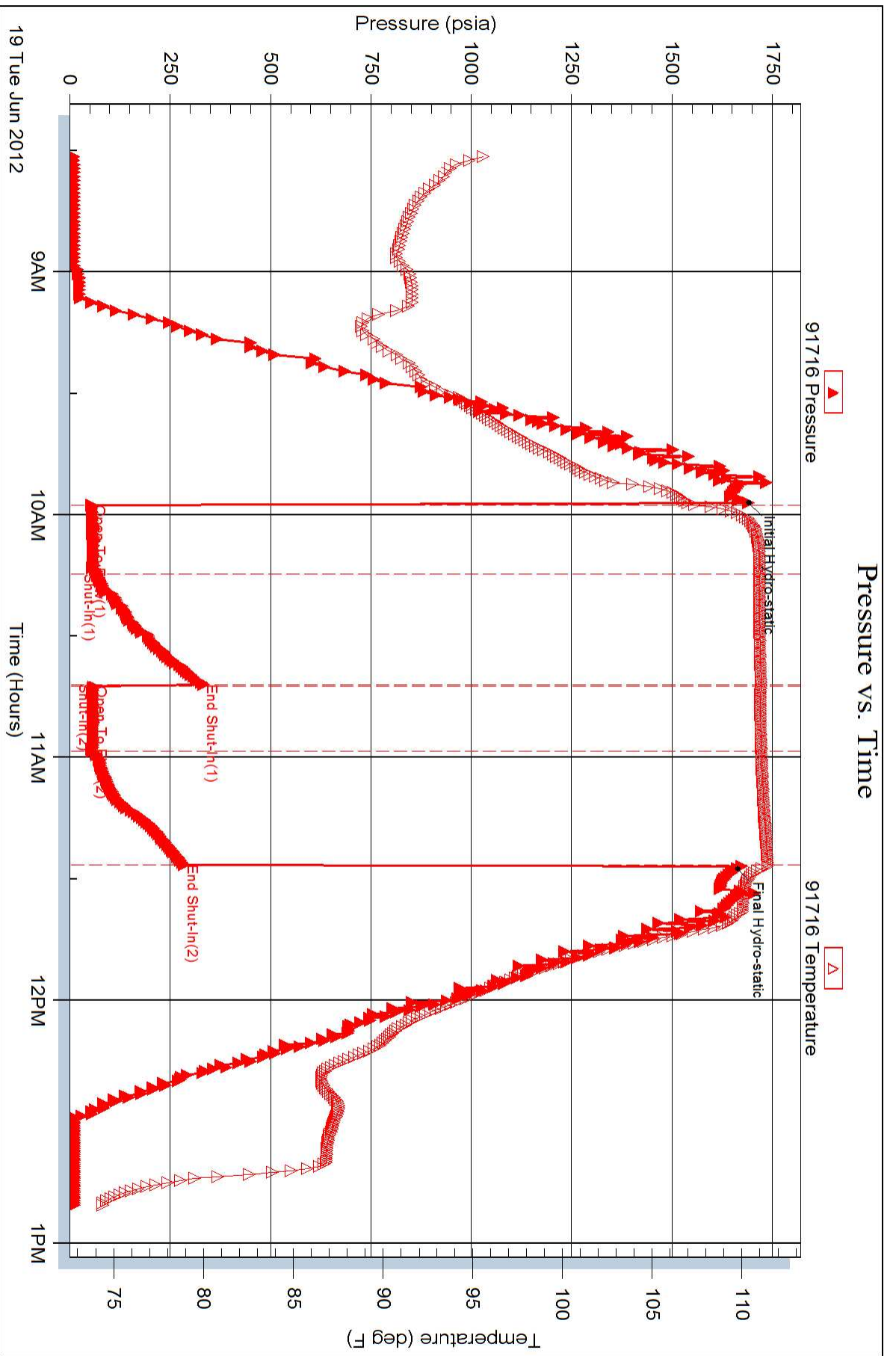
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene Husted

Panning #2-13

13-20s-14w Barton

Start Date: 2012.06.19 @ 00:00:00

End Date: 2012.06.19 @ 00:00:00

Job Ticket #: 17779 DST #: 6

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

Printed: 2012.06.20 @ 00:49:14



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 17779

DST#: 6

ATTN: Rene Husted

Test Start: 2012.06.19 @ 00:00:00

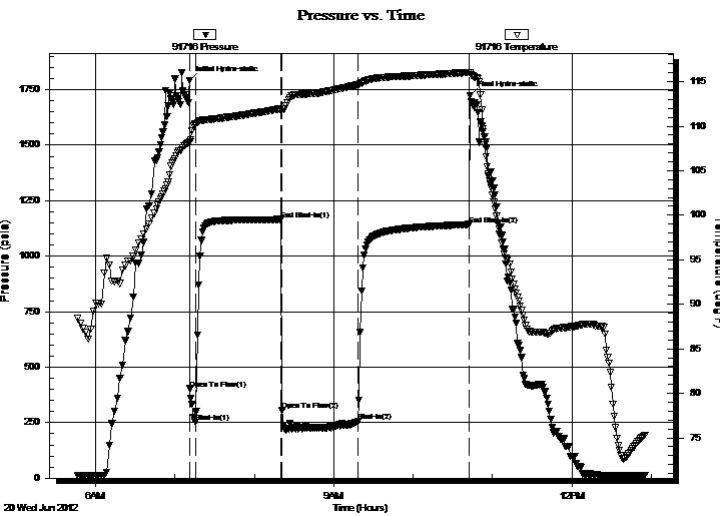
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:00:00
 Tester: Gene Budig
 Time Test Ended: 00:00:00
 Unit No: 3335
 Interval: **3472.00 ft (KB) To 3555.00 ft (KB) (TVD)**
 Reference Elevations: 1895.00 ft (KB)
 Total Depth: 3555.00 ft (KB) (TVD)
 1887.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press @ Run Depth: 1142.82 psia @ 3551.84 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.06.20 End Date: 2012.06.20 Last Calib.: 2012.06.20
 Start Time: 05:45:00 End Time: 12:55:00 Time On Btm: 2012.06.20 @ 07:11:00
 Time Off Btm: 2012.06.20 @ 10:43:00

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1791.25	108.15	Initial Hydro-static
1	402.72	108.27	Open To Flow (1)
5	251.32	110.22	Shut-In(1)
69	1165.40	111.95	End Shut-In(1)
70	307.30	111.95	Open To Flow (2)
128	254.95	114.67	Shut-In(2)
211	1142.82	116.04	End Shut-In(2)
212	1722.92	115.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud	1.68
60.00	slightly oil cut mud 2% Oil 98 %Mud	0.84
60.00	heavy oil cut mud 55% Oil 45% Mud	0.84
60.00	heavy oil and gas cut mud	0.84
0.00	5% Gas 80%Oil 15%Mud	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	16.43	472.34
Last Gas Rate	1.00	18.30	526.10
Max. Gas Rate	1.00	18.30	526.10



DRILL STEM TEST REPORT

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 17779

DST#: 6

ATTN: Rene Husted

Test Start: 2012.06.19 @ 00:00:00

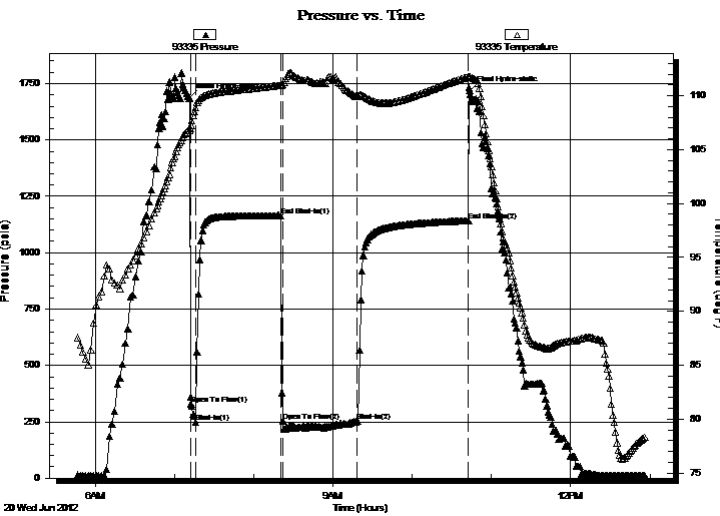
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Interval: **3472.00 ft (KB) To 3555.00 ft (KB) (TVD)**
 Total Depth: 3555.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3335
 Reference Elevations: 1895.00 ft (KB)
 1887.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 93335 Inside

Press @ Run Depth: 1142.42 psia @ 3550.84 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.06.20 End Date: 2012.06.20 Last Calib.: 2012.06.20
 Start Time: 05:45:00 End Time: 12:55:59 Time On Btm: 2012.06.20 @ 07:11:00
 Time Off Btm: 2012.06.20 @ 10:43:30

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1685.76	106.81	Initial Hydro-static
2	328.24	107.28	Open To Flow (1)
5	248.03	108.90	Shut-In(1)
70	1165.01	110.99	End Shut-In(1)
71	253.91	111.04	Open To Flow (2)
127	251.94	109.98	Shut-In(2)
212	1142.42	111.78	End Shut-In(2)
213	1717.90	111.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud	1.68
60.00	slightly oil cut mud 2% Oil 98 %Mud	0.84
60.00	heavy oil cut mud 55% Oil 45% Mud	0.84
60.00	heavy oil and gas cut mud	0.84
0.00	5% Gas 80%Oil 15%Mud	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	16.43	472.34
Last Gas Rate	1.00	18.30	526.10
Max. Gas Rate	1.00	18.30	526.10



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 17779

DST#: 6

ATTN: Rene Husted

Test Start: 2012.06.19 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3471.00 ft	Diameter: 3.80 inches	Volume: 48.69 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 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:	42000.00 lb
			<u>Total Volume: 48.69 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3472.00 ft			Final	37000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	82.84 ft				
Tool Length:	110.84 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Shut-In Tool	5.00			3449.00	
Hydraulic Tool	5.00			3454.00	
Jars	6.00			3460.00	
Safety Joint	2.00			3462.00	
Packer	5.00			3467.00	28.00 Bottom Of Top Packer
Packer	5.00			3472.00	
Perforations	5.00			3477.00	
Change Over Sub	0.75			3477.75	
Drill Pipe	62.34			3540.09	
Change Over Sub	0.75			3540.84	
Perforations	9.00			3549.84	
Recorder	1.00	93335	Inside	3550.84	
Recorder	1.00	91716	Outside	3551.84	
Bull Plug	3.00			3554.84	82.84 Bottom Packers & Anchor

Total Tool Length: 110.84



DRILL STEM TEST REPORT

FLUID SUMMARY

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 17779

DST#: 6

ATTN: Rene Husted

Test Start: 2012.06.19 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 8.80 in³
Resistivity: ohm.m
Salinity: 8300.00 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
120.00	mud	1.683
60.00	slightly oil cut mud 2% Oil 98 %Mud	0.842
60.00	heavy oil cut mud 55% Oil 45% Mud	0.842
60.00	heavy oil and gas cut mud	0.842
0.00	5% Gas 80%Oil 15%Mud	0.000

Total Length: 300.00 ft Total Volume: 4.209 bbl

Num Fluid Samples: 0

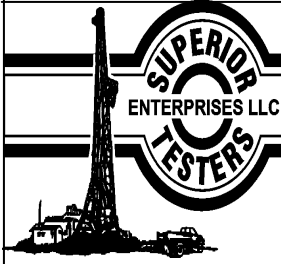
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

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

13-20s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Panning #2-13

Job Ticket: 17779

DST#: 6

ATTN: Rene Husted

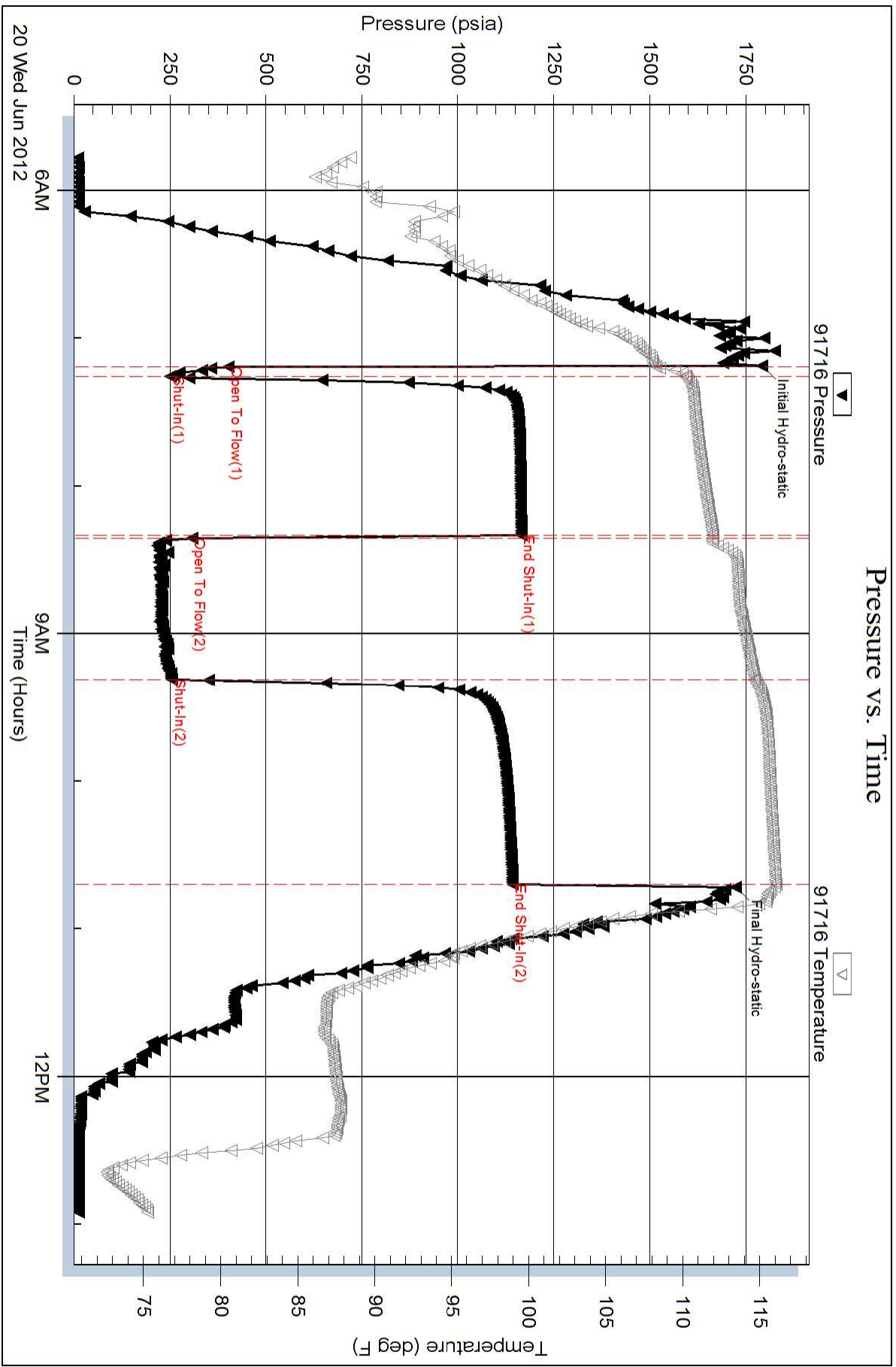
Test Start: 2012.06.19 @ 00:00:00

Gas Rates Information

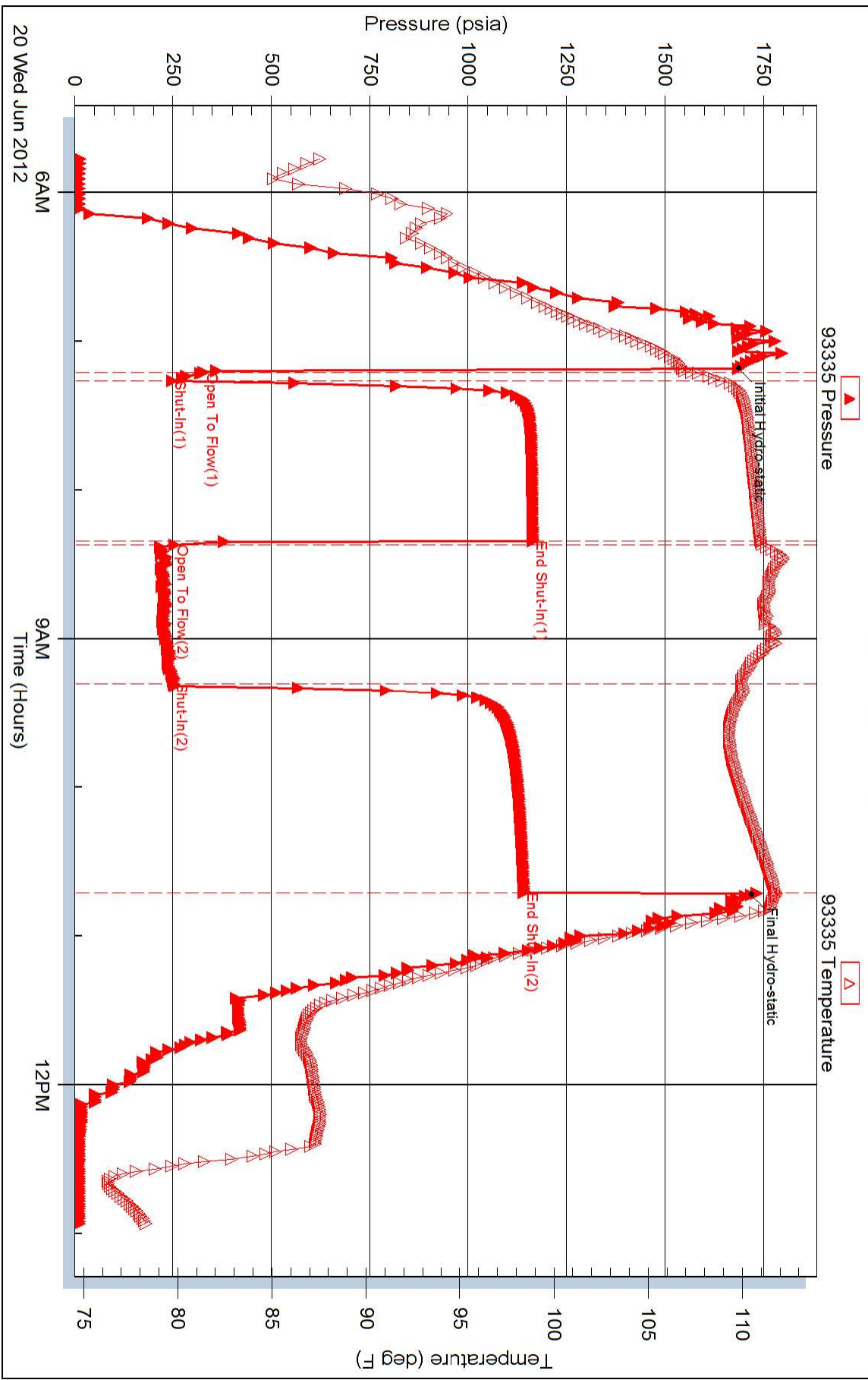
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	5	1.00	16.43	472.34
2	15	1.00	18.30	526.10
2	25	1.00	18.30	526.10
2	35	1.00	18.30	526.10
2	45	1.00	18.30	526.10
2	55	1.00	18.30	526.10



Pressure vs. Time





PAGE 1 of 1	CUST NO 1001376	INVOICE DATE 06/22/2012
INVOICE NUMBER 1718 - 90935546		

Pratt (620) 672-1201
 B F.G. HOLL COMPANY LLC
 I PO Box: 308
 L ELLINWOOD
 L KS US 67526
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Panning 2-13
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40478350	27463		Net - 30 days	07/22/2012	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 06/21/2012 to 06/21/2012					
0040478350					
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> PAID JUL 18 2012 63787 </div>					
171805929A Cement-New Well Casing/Pi 06/21/2012					
Cement 4 1/2" Longstring					
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <i>Received</i> JUN 20 2012 ROB LONG </div>					
AA2-Cement		175.00	EA	13.60	
60/40 POZ		75.00	EA	9.60	
Celloflaka		44.00	EA	2.96	
C-41L		42.00	EA	3.20	
Salt		786.00	EA	0.40	
C-44		165.00	EA	4.12	
FLA-322		165.00	EA	6.00	
Super Flush		500.00	EA	1.96	
Gilsonite		2,125.00	EA	0.54	
"Latch Down Plug & Baffle, 4 1/2" (Blue)		1.00	EA	295.99	
"Auto Fill Float Shoe 4 1/2" (Blue)"		1.00	EA	263.99	
"Turbolizer, 4 1/2" (Blue)"		10.00	EA	68.00	
Cement Scratchers Rotating Type		50.00	EA	40.00	
4 1/2" Basket(Blue)		1.00	EA	215.99	
"Unit Mileage Chg (PU, cars one way)"		55.00	MI	3.40	
Heavy Equipment Mileage		110.00	MI	5.60	
"Proppant & Bulk Del. Chgs., per ton mil		633.00	EA	1.28	
Depth Charge; 3001-4000'		1.00	EA	1,727.93	
Blending & Mixing Service Charge		250.00	BAG	1.12	
Casing Swivel Rental		1.00	EA	159.99	
Plug Container Util. Chg.		1.00	EA	199.99	
"Service Supervisor, first 8 hrs on loc.		1.00	EA	139.99	

ENT'D JUL 08 2012

PLEASE REMIT TO:

BASIC ENERGY SERVICES, LP
 PO BOX 841903
 DALLAS, TX 75284-1903

SEND OTHER CORRESPONDENCE TO:

BASIC ENERGY SERVICES, LP
 PO BOX 10460
 MIDLAND, TX 79702

SUB TOTAL

TAX

INVOICE TOTAL

MAY-29-2004 18:43 From: BASIC ENERGY SERVICE 620 672 7019 To: 316 684 0594 P.3/3



TREATMENT REPORT

Customer: FG Hall Co LLC Lease No. _____ Date: _____
 Well #: 2-13
 Field Order #: 05929A Station: Pratt Casing: 4 1/2" Depth: 3749' County: Barton State: Kc
 Type Job: 4 1/2" L.S. Formation: TD 3750 Legal Description: 13-20-14

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size: <u>4 1/2"</u>	Tubing Size: _____	Shots/Ft: _____	_____	Acid: <u>12 BBL super Flush</u>	_____	RATE: _____	PRESS: _____	ISIP: _____
Depth: <u>3749'</u>	Depth: _____	From: _____	To: <u>255'</u>	Pre Pad: <u>25 Sks 60/40 Per</u>	_____	Max: <u>Scavenger @ 14 1/2 gal</u>	_____	5 Min. _____
Volume: <u>57</u>	Volume: _____	From: _____	To: <u>175'</u>	Post: <u>5 Sks AA2 @</u>	_____	Mix: <u>15 #/gal</u>	_____	10 Min. _____
Max Press: <u>1500'</u>	Max Press: _____	From: _____	To: _____	Frac: _____	_____	Avg: _____	_____	15 Min. _____
Well Connection: <u>P.C.</u>	Annulus Vol: _____	From: _____	To: _____	_____	_____	HHP Used: _____	_____	Annulus Pressure _____
Plug Depth: <u>3717'</u>	Packer Depth: _____	From: _____	To: _____	Flush: <u>Disp H2O</u>	_____	Gas Volume: _____	_____	Total Load _____

Customer Representative: Rob Lutz Station Manager: scotty Trainer: Allen

Service Units: <u>23443</u>	<u>27463</u>	<u>19831</u>	<u>19862</u>	_____	_____	_____	_____
Driver Names: <u>Allen</u>	<u>Eric</u>	<u>Jessie</u>	<u>Pearson</u>	_____	_____	_____	_____

Time	Casing Pressure	Tubing Pressure	Bble. Pumped	Rate	Service Log
10:00 AM					on loc. Discuss Safety Setup Plan Job
					Laying down Kelly - Rig up to
					Run 4 1/2" casing 10.5 #/ft
11:00					Start 4 1/2" csg. Shoe Joint 31.69'
					w/ float shoe, + L.O. Baffle in collar.
					cent-2-3-4-5-6-7-8-9-10-11 Basket #7
1:00 PM					Tac Bottom pickup to 3749' + circ.
3:00	200'		5	5	Pump 5 BBL H2O
			10	5	Pump 12 BBL super Flush
			5	5	Pump 5 BBL H2O
			6	5	mix 25 Sks 60/40 scavenger 14 1/2
					mix 17.5 Sks AA2 @ 15 #
			4 1/2		Finish mix, wash out pump + line
				6	Drop L.O. Plug, Start Disp.
	500		28	5	Caught lift 30 BBL
3:30	1500'		59	4	Plug down - Release PST - OK
			7		Plug RH w/ 30 Sks 60/40
			5		Plug MH w/ 20 Sks 60/40
					wash up Equip + Rack up.
					Job complete.
					thanks Allen, Eric, Jessie