



Confidentiality Requested:

Yes No

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: _____



1243309

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 <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 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
<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

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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	DEMEL UNIT 1-36
Doc ID	1243309

All Electric Logs Run

DIL
CNL/CDL
BHCS
Microresistivity
fracfinder
Sector bond log

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	DEMEL UNIT 1-36
Doc ID	1243309

Tops

Name	Top	Datum
Herrington	1957	+60
Winfield	2005	+12
Towanda	2075	-58
Fort Riley	2117	-100
B/Florence	2211	-194
Kinney ls	2227	-210
Wrefold	2257	-240
Council Grove	2277	-260
Crouse	2316	-299
Cottonwood	2388	-371
Neva	2454	-437
Red Eagle	2518	-501
Onaga Shale	2668	-651
Wabaunsee	2687	-670
Root Shale	2753	-736
Stotler	2809	-792
Tarkio	2867	-850
Howard	3007	-990
Severy Shale	3075	-1058
Topeka	3086	-1069
Heebner	3343	-1326
Toronto	3360	-1343
Douglas Shale	3369	-1352
Brown Lime	3434	-1417

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	DEMEL UNIT 1-36
Doc ID	1243309

Tops

Name	Top	Datum
LKC	3444	-1427
BKC	3682	-1665
Arbuckle	3772	-1755
RTD	3950	-1933

Summary of Changes

Lease Name and Number: DEMEL UNIT 1-36

API/Permit #: 15-145-21682-00-00

Doc ID: 1243309

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	11/14/2012	02/20/2015
Fracturing Question 1		No
LocationInfoLink	https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=36&t.../kcc/detail/operatorEditDetail.cfm?docID=1098607	https://kolar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=36&t.../kcc/detail/operatorEditDetail.cfm?docID=1243309
Save Link		
Tubing Record - Set At		0
Well Type	GAS	OG



CONFIDENTIAL

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
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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

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: _____

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 <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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	DEMEL UNIT 1-36
Doc ID	1098607

All Electric Logs Run

DIL
CNL/CDL
BHCS
Microresistivity
fracfinder
Sector bond log

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	DEMEL UNIT 1-36
Doc ID	1098607

Tops

Name	Top	Datum
Herrington	1957	+60
Winfield	2005	+12
Towanda	2075	-58
Fort Riley	2117	-100
B/Florence	2211	-194
Kinney ls	2227	-210
Wrefold	2257	-240
Council Grove	2277	-260
Crouse	2316	-299
Cottonwood	2388	-371
Neva	2454	-437
Red Eagle	2518	-501
Onaga Shale	2668	-651
Wabaunsee	2687	-670
Root Shale	2753	-736
Stotler	2809	-792
Tarkio	2867	-850
Howard	3007	-990
Severy Shale	3075	-1058
Topeka	3086	-1069
Heebner	3343	-1326
Toronto	3360	-1343
Douglas Shale	3369	-1352
Brown Lime	3434	-1417

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	DEMEL UNIT 1-36
Doc ID	1098607

Tops

Name	Top	Datum
LKC	3444	-1427
BKC	3682	-1665
Arbuckle	3772	-1755
RTD	3950	-1933

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	DEMEL UNIT 1-36
Doc ID	1098607

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3774' - 3776' Arbuckle	200 gal 15% DSFE acid	

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
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 24, 2012

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

Re: ACO1
API 15-145-21682-00-00
DEMEL UNIT 1-36
SW/4 Sec.36-20S-16W
Pawnee 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 Pawnee State Kansas Pump 6 X 14 X 60 SPM Casing Program 8 5/8" @ 1023 ft.
 Well Demel #1-36 Location 2011 EGL GPM 7.75 BPM " @ _____ ft.
 Contractor Duke #8 Sec 36 TWP 20S RNG 16W D.P. 4.5 in. 61.5 FT/MIN R.A. " @ _____ ft.
 Stockpoint Pratt, Ks. Date 8/20/2012 Engineer Rick Hughes Collar 6.25 in. 495 ft. 71.9 FT/MIN R.A. Total Depth 3950 ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY			GELS 10 sec / 10 min.	pH Strip _ Meter _	FILTRATION/ILTRATION ANALYSIS					SAND %	RETORT			L.C.M.	Pump Press. PSI	CUMULATIVE COST	REMARKS AND TREATMENT						
			Sec API @_F	PV @_F	Yp			ml API	Cake 32nds	Pres. #/BBL	Cl ppm	Ca ppm		Solids %	Oil %	Water %										
8/20	0	8.9	33																		1			Drg.		
8/21	1023																								WOC	
8/22	1173	8.6	28				7.0	N/C				2,700	Hvy	2.1		97.9									Drg.	
8/23	2177	9.4	45	12	16	9/35	7.0	16.0	2			42m	2,440	5.4		94.6									Drg. Displ w/starch @ 1700'	
8/24	2837	8.7	48	12	10	12/25	11.5	8.4	1			2,500	20	2.7		97.3									Trip f/pump repair Displ w/chem @ 2710	
8/25	3276	9.3	44	12	10	11/57	10.0	10.4	1			7,700	40	6.7		93.3									Drg. Heavy rain on 8-25	
8/26	3750	9.1	68	13	13	16/103	10.0	10.2	1			7,800	40	5.3		94.7									CCH DST #1 @ 3777	
8/27	3785	9.2	58	14	11	23/85	10.5	10.4	1			8,100	60	6.0		94.0									DST #2	
8/28	3950	9.3	52	13	10	13/56	10.0	9.2	1			7,500	40	6.7		93.3									Logging	
8/29	3950																									Final: LTD - 3951'. 2 DST's. Logs Ok. Run Casing.
																										Reserve Pit, Chl content ppm: 22000
																										Estimated Volume: 1000 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	53		X-CIDE 102W	2	670.00	
CAUSTIC SODA	17					
DESCO	3					
DRILL PAK	6					
MIL-GUARD	2					
PREMIUM GEL	340					
SAPP	1					
SODA ASH	30					
STARCH	56					
SUPER LIG	12					
						Total Mud Cost
						Trucking Cost
						Trucking Surcharge
						Taxes
						TOTAL COST



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 06747 A

36-205-16W

DATE _____ TICKET NO. _____

DATE OF JOB: 8-21-12	DISTRICT: Pratt, Kansas	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 Company, LLC	LEASE: Demel Unit	WELL NO.: 1-36							
ADDRESS:	COUNTY: Pawnee	STATE: Kansas							
CITY:	STATE:	SERVICE CREW: C. Messick, M. Mattal, B. Reed							
AUTHORIZED BY:	JOB TYPE: C.N.W. - Surface								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
37216	1						8-21-12	AM	8:00
						ARRIVED AT JOB		AM	10:00
19903-19905	1					START OPERATION		AM	2:00
						FINISH OPERATION		AM	3:00
19831-19862	1					RELEASED	8-21-12	AM	3:15
						MILES FROM STATION TO WELL			65

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
P CP101	ACon Blend Cement	st	200		
P CP100C	Common Cement	st	200		
P CC102	Cell Plate	Lb	100		
P CC109	Calcium Chloride	Lb	940		
P CF105	Top Rubber Plug, 8 5/8"	ea	1		
P CF1753	Centralizer, 8 5/8"	ea	3		
P E100	Pickup Mileage	mi	65		
P E101	Heavy Equipment Mileage	mi	130		
P E113	Bulk Delivery	tm	1.222		
P CE202	Cement Pump: 1001 Feet To 2,000 Feet	hrs	4		
P CE240	Blending and Mixing Service	st	400		
P CE504	Plug Container	Job	1		
P S003	Service Supervisor	hrs	8		

CHEMICAL / ACID DATA:			

SUB TOT	DLS
SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOT

SERVICE REPRESENTATIVE: *[Signature]*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer F.G. Holl Company, LLC	Lease No.	Date 8-21-12
Lease Demel Unit	Well # 1-36	
Field Order # 6747	Station Pratt, Kansas	Casing 8 7/8 23Lb
Type Job C.N.W - Surface	Depth 1023 Feet	County Pawnee
	Formation	State Kansas
		Legal Description 36-205-16W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME	
Casing Size 8 7/8 23Lb/ft	Tubing Size 6 5/8 16 1/2	Shots/Ft	200 sacks	A-CON Blend	RATE	PRESS	ISIP
Depth 1023	Depth	From	To 38	Calcium Chloride	Max	25 Lb./sk	5 Min.
Volume 65.5 Bbl.	Volume	From	To 200	sacks Common Cement	Min	with	10 Min.
Max Press 400 PSI	Max Press	From	To 28	Calcium Chloride	Avg	25 Lb./sk cellflake	15 Min.
Well Connection Plug Container	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 1008 Feet	Packer Depth	From	To	Flush	64.5 Bbl.	Water	Total Load

Customer Representative Steve Stephens	Station Manager David Scott	Treater Clarence R. Messick
---	--------------------------------	--------------------------------

Service Units	37,216	19,903	19,905	19,831	19,862
Driver Names	Messick	Mattal	Reed		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00					Trucks on location and hold safety meeting.
12:30					Dute Drilling start to run in 20 th joints new 23Lb/ft. 8 7/8" casing A centralizer was installed on collars # 1, 11, 243
1:45					Casing in well Circulate for 10 minutes
2:00	400		10	5	Start Fresh water Pre-Flush.
			98	5	Start mixing 200 sacks A-con cement.
			141		Start mixing 200 sacks commencement.
					Stop pumping. Shut in well. Release Top Rubber Plug. Open well.
2:26	100			5	Start Fresh water Displacement.
2:40	300		64.5		Plug down. Shut in well. Circulated 15 sacks cement to the pit. Wash up pump truck.
3:15					Job Complete. Thank You. Clarence, Mike, Brett



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 06562 A

DATE _____ TICKET NO. _____

DATE OF JOB 8-28-12	DISTRICT Kansas	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. Hall Co. LLC	LEASE Demol Unit # 1-36		WELL NO.						
ADDRESS		COUNTY Barton 36-20-16		STATE Ks					
CITY		STATE		SERVICE CREW Allen, Eric, Tessie					
AUTHORIZED BY		JOB TYPE: 5 1/2" 1.5							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28443 Pu	3						8-28-12	PM	900
33708-20920	3					ARRIVED AT JOB	8-28-12	PM	1200
19831-19862	3					START OPERATION	8-28-12	PM	230
						FINISH OPERATION	8-28-12	PM	530
						RELEASED	8-28-12	PM	630
						MILES FROM STATION TO WELL	65 miles		

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
CP105	AA2 cement	SK	125		
CP103	60/40 Poz	SK	75		
CC102	Cell FLAKE	lb	32		
CC105	C-41P Defoamer	lb	30		
CC111	salt	lb	522		
CC115	C-44	lb	118		
CC129	FIA-322	lb	118		
CC201	Gilsonite	lb	1625		
CF607	Latch Down Plug & Baffle 5 1/2" Blue	EA	1		
CF1251	Auto Fill Float Shoe 5 1/2" Blue	EA	1		
CF1651	Turbolizer	EA	8		
CF1901	5 1/2" Bucket Blue	EA	1		
CF2402	Cement Scratchers Rotating Type	EA	40		
CC154	Super flush	gal	500		

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u>
--	---

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



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 ~~06563~~ A

Continuation of

DATE _____ TICKET NO. 06563A

DATE OF JOB <u>8-28-12</u> DISTRICT <u>Ks</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>F.G. Hall Co. LLC</u>		LEASE <u>Demel Unit #1-36</u>		WELL NO.						
ADDRESS		COUNTY <u>Barton 36-20-16</u>		STATE <u>Ks</u>						
CITY		STATE		SERVICE CREW <u>Allen, Eric, Jessie</u>						
AUTHORIZED BY		JOB TYPE: <u>5 1/2" L.S.</u> <u>(CNU)</u>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<u># 24443 P.U.</u>	<u>3</u>						<u>8-28-12</u>			<u>900</u>
<u>73705-20920</u>	<u>3</u>						<u>8-28-12</u>			<u>1200</u>
<u>19831-19862</u>	<u>3</u>						<u>8-28-12</u>			<u>230</u>
							<u>8-28-12</u>			<u>0530</u>
							<u>8-28-12</u>			<u>0630</u>
										<u>65 miles</u>

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

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

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<u>E100</u>	<u>Unit mileage chg. P.U.</u>	<u>mi</u>	<u>65</u>		
<u>E101</u>	<u>Heavy Equip mileage</u>	<u>mi</u>	<u>130</u>		
<u>E113</u>	<u>Bulk Del. Chg</u>	<u>tan</u>	<u>595</u>		
<u>CE 244</u>	<u>Depth Chg 3801-4000</u>	<u>4-hr</u>	<u>1</u>		
<u>CE 240</u>	<u>Blending & mixing Service chg</u>	<u>SK</u>	<u>200</u>		
<u>CE 501</u>	<u>Casing Swivel Rental</u>	<u>EA</u>	<u>1</u>		
<u>CE 509</u>	<u>Plug container Utilization chg</u>	<u>Job</u>	<u>1</u>		
<u>5002</u>	<u>Service Supervisor First Shrs</u>	<u>EA</u>	<u>1</u>		

CHEMICAL / ACID DATA:			

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

DLS

SERVICE REPRESENTATIVE: Joe L. Weard
 THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____
 (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer F.G. Holl Co. LLC	Lease No.	Date
Lease Demol Unit	Well # 1-36	8-28-12
Field Order # #06562A	Station Pratt	Casing 5 1/2"
Type Job 5 1/2" L.S.	Formation C.N.W.	Depth 3940'
		County Barton
		State KS
		Legal Description 36-20-16

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
3940	Depth	From	To	Pre Pad	Max		5 Min.	
96 1/2	Volume	From	To	Pad	Min		10 Min.	
1500	Max Press	From	To	Frac	Avg		15 Min.	
PL	Annulus Vol.	From	To	Flush	HHP Used		Annulus Pressure	
3927	Packer Depth	From	To		Gas Volume		Total Load	

Customer Representative Ruben "Adam"	Station Manager scotty	Treater Allen
---	---------------------------	------------------

Service Units	28443	33708	20920	19831	19862
Driver Names	Allen	Eric	Wright	Jessie	Pierce

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
1200	2m				onloc. Discuss Safety, Setup, Plan Job
					Laying down Kelly - Rig up To
					Run 5 1/2" casing 14 1/2' /ft
1254					Start casing, shoe joint + 13.62
					w/ float shoe & latch down Baffle
					in collar cen 7-8, Basket #5
245					TAG Bottom @ 3951 CIR @ 3940
					+ Rotate pipe.
445			5	5	Pump 5 BBI H2O spacer
			12	5	Pump 12 BBI super flush
			5	5	Pump 5 BBL H2O spacer
			5	5	mix + pump 25 sks 60/40 scavenger @ 14'
					mix + pump 125 sks AA2 @ 15'
			32		Finish mix cnt + wash out Pump Line
500				16	Drop Latch Down Plug, Start Disp
	500+			5 1/2	caught lift PSI @ 68 BBI out
520	1500+		9 1/2	4	Plug down
	0+				Release PSI To TRUCK 0'
			7		Plug R.H. w/ 30 sks 60/40
			5		Plug M.H. w/ 20 sks 60/40
					washup + RACKUP
630					Job complete. Thank you Allen, Eric, Jessie



DRILL STEM TEST REPORT

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

9431 East Central Suited 100
Wichita, Kansas 67206

ATTN: Ryan Greenbaum

Demel Unit #1-36

30-20s-16w

Start Date: 2012.08.26 @ 00:00:00

End Date: 2012.08.26 @ 00:00:00

Job Ticket #: 17788 DST #: 1

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

Printed: 2012.08.26 @ 19:42:03

F.G.Holl Company L.L.C. 30-20s-16w Demel Unit #1-36 DST # 1 Arbuckle 2012.08.26



DRILL STEM TEST REPORT

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

30-20s-16w

9431 East Central Suited 100
Wichita, Kansas 67206

Demel Unit #1-36

Job Ticket: 17788

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.08.26 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335-50

Interval: 3765.00 ft (KB) To 3777.00 ft (KB) (TVD)

Reference Elevations: 2017.00 ft (KB)

Total Depth: 3777.00 ft (KB) (TVD)

2009.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6839 Outside

Press @ Run Depth: 1222.17 psia @ 3769.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.08.26

End Date: 2012.08.26

Last Calib.: 2012.08.26

Start Time: 13:15:00

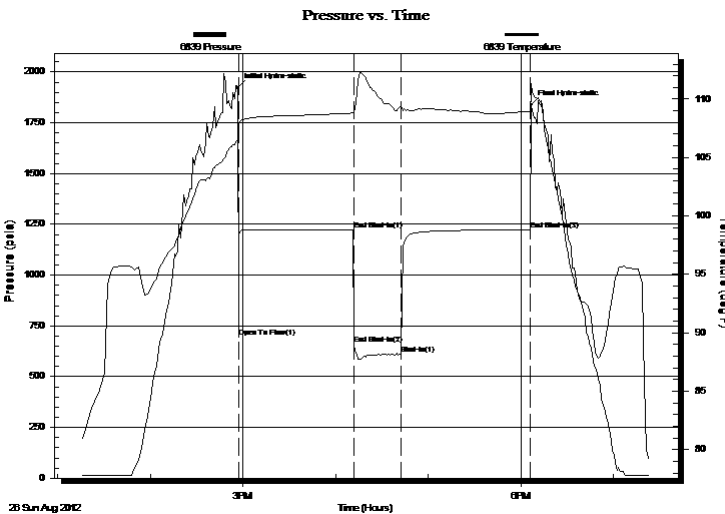
End Time: 19:23:30

Time On Btm: 2012.08.26 @ 14:56:30

Time Off Btm: 2012.08.26 @ 18:07:00

TEST COMMENT: 1st Opening 1 Minute-Strong blow with gas to surface
 1st Shut-In 60 Minutes-Weak blow back
 2nd Opening 30 Minutes Strong blow see gas flow report
 2nd Shut-In 90 Minutes-Weak blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1923.37	106.41	Initial Hydro-static
1	696.06	106.90	Open To Flow (1)
75	1224.48	108.81	End Shut-In(1)
76	660.06	108.82	End Shut-In(2)
106	612.31	109.46	Shut-In(1)
190	1222.17	108.97	End Shut-In(3)
191	1838.55	111.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Oil and gas cut muddy w ater	0.70
0.00	20%Gas 35%Oil 15%Mud 30%Water	0.00
45.00	Slightly oil and gas cut w ater	0.63
0.00	1%Oil 2%Mud 97%Water	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	38.00	1092.45
Last Gas Rate	1.00	91.00	2616.14
Max. Gas Rate	1.00	91.00	2616.14



DRILL STEM TEST REPORT

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

30-20s-16w

9431 East Central Suited 100
Wichita, Kansas 67206

Demel Unit #1-36

Job Ticket: 17788

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.08.26 @ 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: 3335-50
 Interval: **3765.00 ft (KB) To 3777.00 ft (KB) (TVD)**
 Reference Elevations: 2017.00 ft (KB)
 Total Depth: 3777.00 ft (KB) (TVD)
 2009.00 ft (CF)
 Hole Diameter: 7.80 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

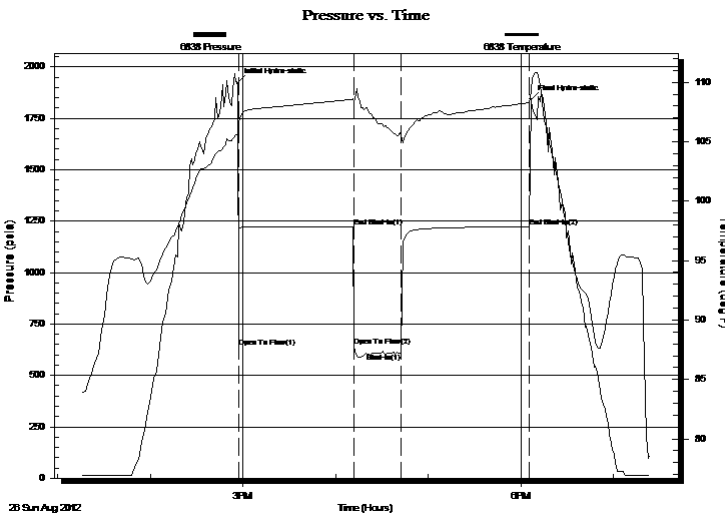
Serial #: 6838

Inside

Press @ Run Depth: 1221.53 psia @ 3768.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.08.26 End Date: 2012.08.26 Last Calib.: 2012.08.26
 Start Time: 13:15:00 End Time: 19:24:00 Time On Btm: 2012.08.26 @ 14:56:30
 Time Off Btm: 2012.08.26 @ 18:06:30

TEST COMMENT: 1st Opening 1 Minute-Strong blow with gas to surface
 1st Shut-In 60 Minutes-Weak blow back
 2nd Opening 30 Minutes Strong blow see gas flow report
 2nd Shut-In 90 Minutes-Weak blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1922.64	105.62	Initial Hydro-static
1	639.71	105.97	Open To Flow (1)
75	1223.94	108.59	End Shut-In(1)
76	644.69	108.37	Open To Flow (2)
107	607.08	105.58	Shut-In(1)
189	1221.53	108.30	End Shut-In(2)
190	1841.82	109.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Oil and gas cut muddy w ater	0.70
0.00	20%Gas 35%Oil 15%Mud 30%Water	0.00
45.00	Slightly oil and gas cut w ater	0.63
0.00	1%Oil 2%Mud 97%Water	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	1.00	38.00	1092.45
Last Gas Rate	1.00	91.00	2616.14
Max. Gas Rate	1.00	91.00	2616.14



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

30-20s-16w

9431 East Central Suited 100
Wichita, Kansas 67206

Demel Unit #1-36

Job Ticket: 17788

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.08.26 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3752.00 ft	Diameter: 3.80 inches	Volume: 52.63 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 52.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3760.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	40.00 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			3737.00	
Hydraulic Tool	5.00			3742.00	
Jars	6.00			3748.00	
Safety Joint	2.00			3750.00	
Packer	5.00			3755.00	28.00 Bottom Of Top Packer
Packer	5.00			3760.00	
Perforations	7.00			3767.00	
Recorder	1.00	6838	Inside	3768.00	
Recorder	1.00	6839	Outside	3769.00	
Bull Plug	3.00			3772.00	12.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

30-20s-16w

9431 East Central Suited 100
Wichita, Kansas 67206

Demel Unit #1-36

Job Ticket: 17788

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.08.26 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 68.00 sec/qt
Water Loss: 10.19 in³
Resistivity: ohm.m
Salinity: 6800.00 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
50.00	Oil and gas cut muddy w ater	0.701
0.00	20%Gas 35%Oil 15%Mud 30%Water	0.000
45.00	Slightly oil and gas cut w ater	0.631
0.00	1%Oil 2%Mud 97%Water	0.000

Total Length: 95.00 ft Total Volume: 1.332 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.

30-20s-16w

9431 East Central Suited 100
Wichita, Kansas 67206

Demel Unit #1-36

Job Ticket: 17788

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.08.26 @ 00:00:00

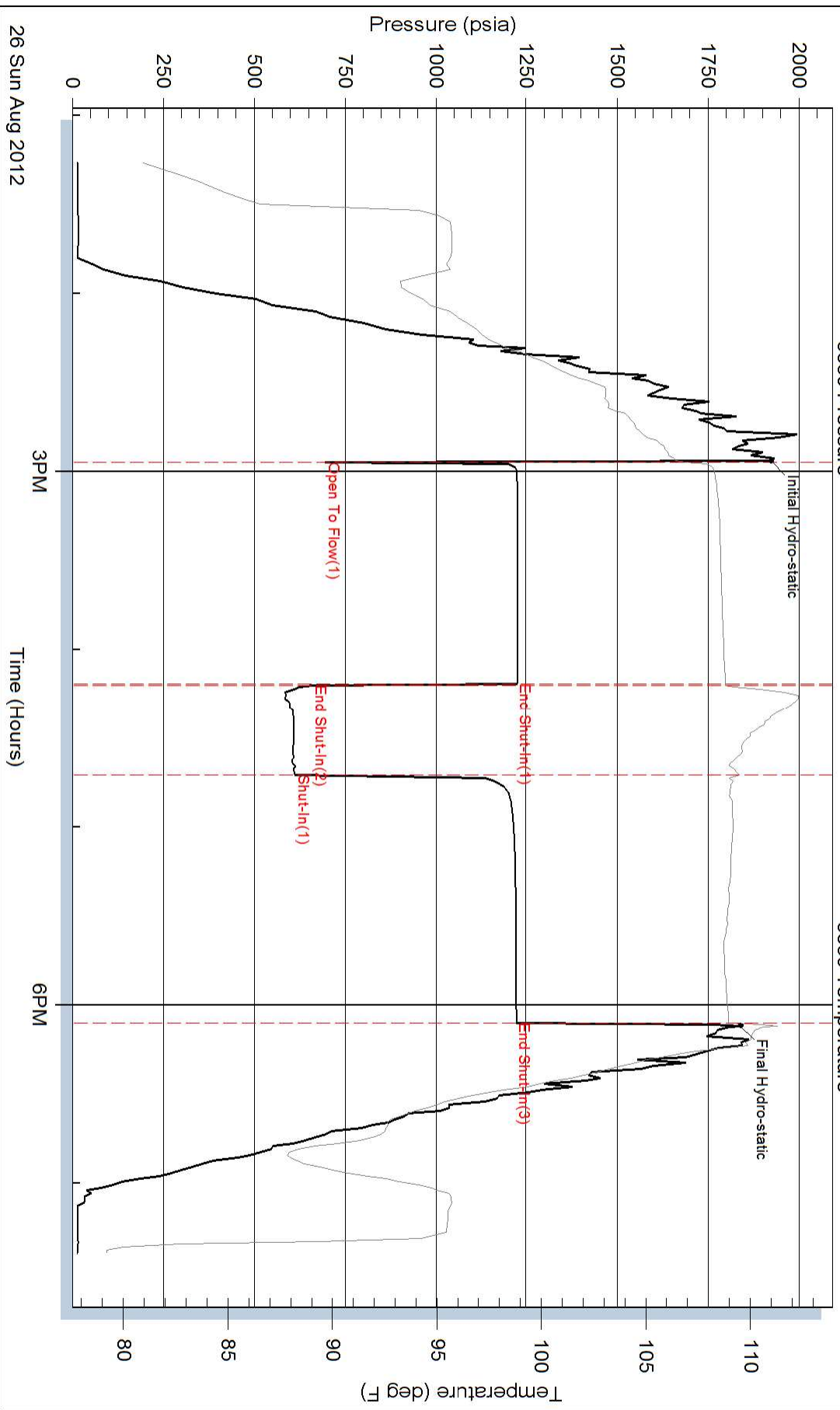
Gas Rates Information

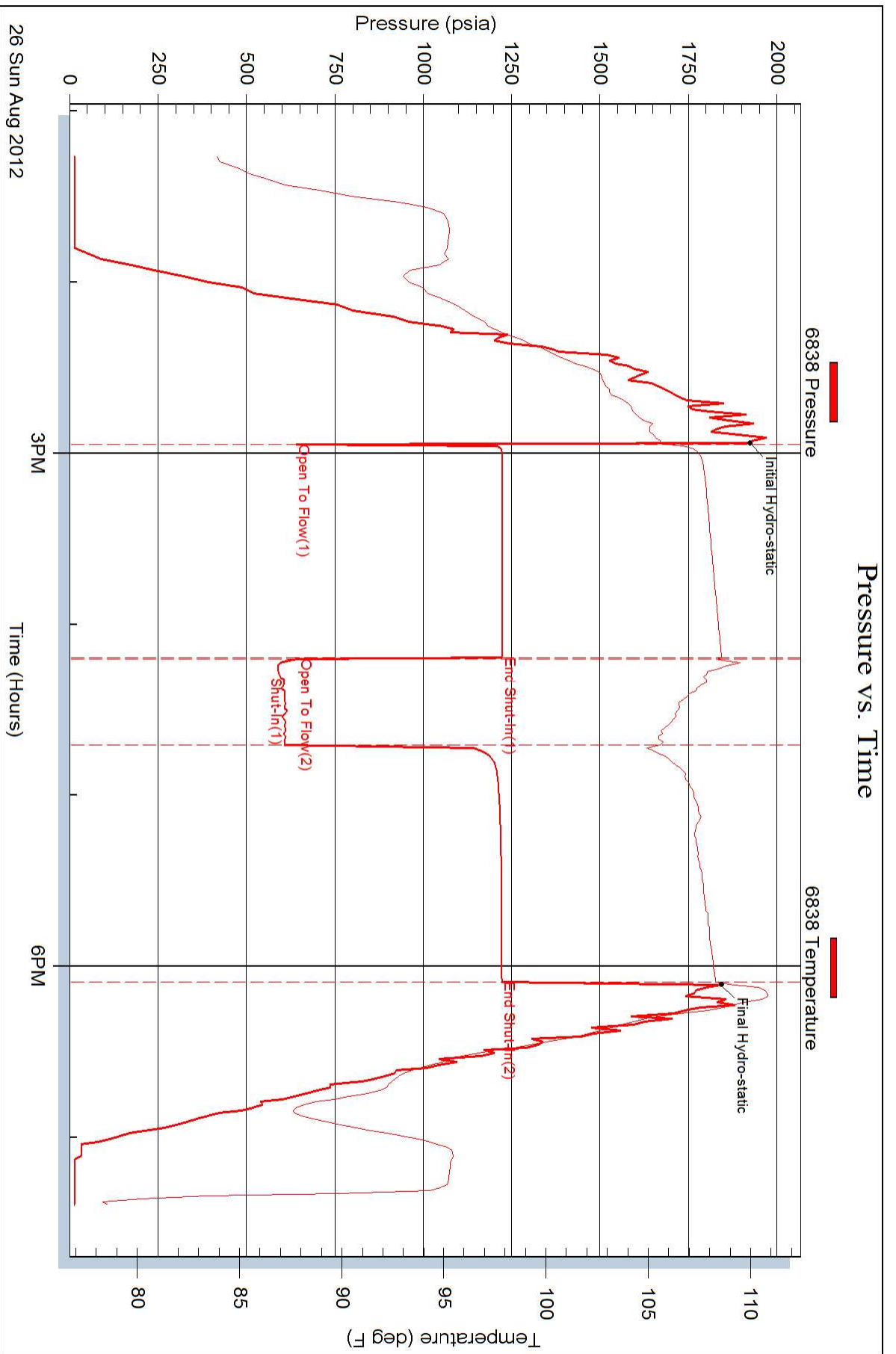
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	5	1.00	38.00	1092.45
2	10	1.00	83.00	2386.15
2	20	1.00	88.00	2529.90
2	30	1.00	91.00	2616.14

Pressure vs. Time







DRILL STEM TEST REPORT

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

9431 East Central Suited 100
Wichita, Kansas 67206

ATTN: Ryan Greenbaum

Demel Unit #1-36

30-20s-16w

Start Date: 2012.08.27 @ 00:00:00

End Date: 2012.08.27 @ 00:00:00

Job Ticket #: 17789 DST #: 2

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

Printed: 2012.08.27 @ 09:39:19



DRILL STEM TEST REPORT

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

30-20s-16w

9431 East Central Suited 100
Wichita, Kansas 67206

Demel Unit #1-36

Job Ticket: 17789

DST#: 2

ATTN: Ryan Greenbaum

Test Start: 2012.08.27 @ 00:00:00

GENERAL INFORMATION:

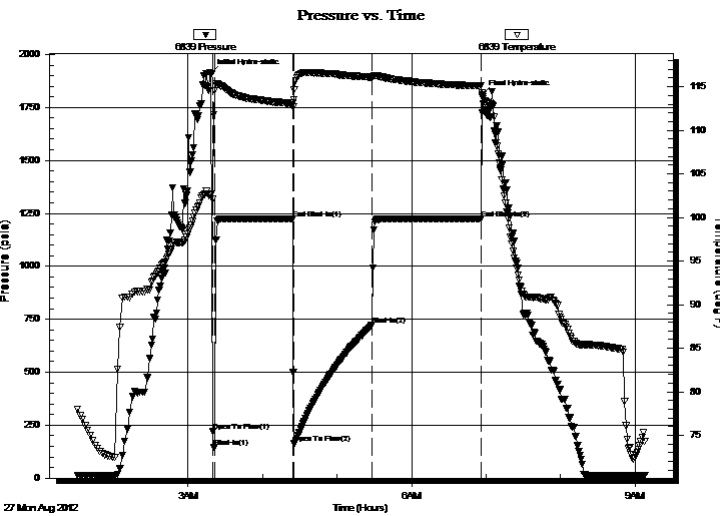
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:00:00
 Tester: Gene Budig
 Time Test Ended: 00:00:00
 Unit No: 3335
 Interval: **3777.00 ft (KB) To 3785.00 ft (KB) (TVD)**
 Reference Elevations: 2017.00 ft (KB)
 Total Depth: 3785.00 ft (KB) (TVD)
 2009.00 ft (CF)
 Hole Diameter: 7.80 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6839

Outside

Press @ RunDepth: 1225.10 psia @ 3782.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.08.27 End Date: 2012.08.27 Last Calib.: 1899.12.30
 Start Time: 01:30:00 End Time: 09:08:00 Time On Btm: 2012.08.27 @ 03:18:00
 Time Off Btm: 2012.08.27 @ 06:57:00

TEST COMMENT: 1st Opening 2 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 1 minute
 1st Shut-In 60 Minutes-No low back
 2nd Opening 60 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 2 minutes gas in 25 minutes
 2nd Shut-In 90 Minutes-Weak blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1910.60	102.62	Initial Hydro-static
2	219.13	102.11	Open To Flow (1)
4	145.42	114.58	Shut-In(1)
66	1225.41	113.12	End Shut-In(1)
67	164.75	113.52	Open To Flow (2)
130	722.22	116.10	Shut-In(2)
218	1225.10	115.10	End Shut-In(2)
219	1808.26	113.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Oil and gas cut muddy water	2.52
0.00	30%Gas 10%Oil 20%Mud 40%Water	0.00
180.00	Oil Gas and Mud cut water	2.52
0.00	2%Gas 1%Oil 2%Mud 95%Water	0.00
1165.00	Water Chlorides	16.34

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	4.92	33.19
Last Gas Rate	0.50	5.22	35.21
Max. Gas Rate	0.50	5.28	35.62



DRILL STEM TEST REPORT

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

30-20s-16w

9431 East Central Suited 100
Wichita, Kansas 67206

Demel Unit #1-36

Job Ticket: 17789

DST#: 2

ATTN: Ryan Greenbaum

Test Start: 2012.08.27 @ 00:00:00

GENERAL INFORMATION:

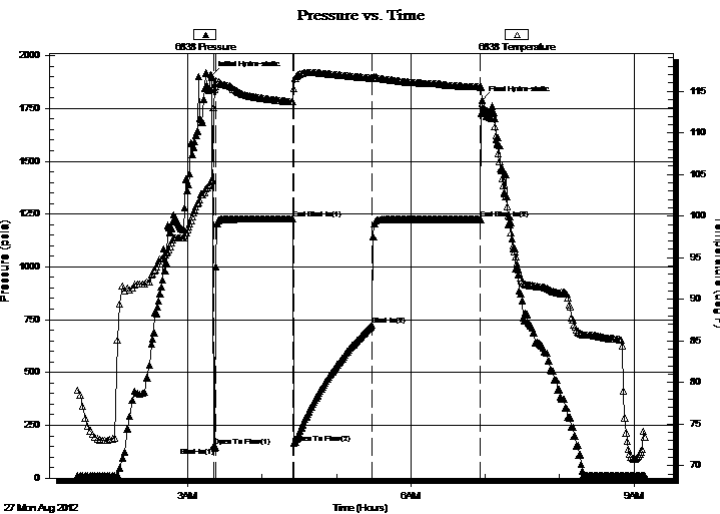
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:00:00
 Tester: Gene Budig
 Time Test Ended: 00:00:00
 Unit No: 3335
 Interval: **3777.00 ft (KB) To 3785.00 ft (KB) (TVD)**
 Reference Elevations: 2017.00 ft (KB)
 Total Depth: 3785.00 ft (KB) (TVD) 2009.00 ft (CF)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6838

Inside

Press @ Run Depth: 1225.74 psia @ 3781.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.08.27 End Date: 2012.08.27 Last Calib.: 2012.08.27
 Start Time: 01:30:00 End Time: 09:09:00 Time On Btm: 2012.08.27 @ 03:19:00
 Time Off Btm: 2012.08.27 @ 06:57:30

TEST COMMENT: 1st Opening 2 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 1 minute
 1st Shut-In 60 Minutes-No low back
 2nd Opening 60 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 2 minutes gas in 25 minutes
 2nd Shut-In 90 Minutes-Weak blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1905.30	104.29	Initial Hydro-static
2	149.54	113.07	Open To Flow (1)
3	147.13	115.60	Shut-In(1)
66	1226.08	113.77	End Shut-In(1)
67	164.30	115.34	Open To Flow (2)
130	724.20	116.57	Shut-In(2)
217	1225.74	115.52	End Shut-In(2)
219	1789.18	113.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Oil and gas cut muddy water	2.52
0.00	30%Gas 10%Oil 20%Mud 40%Water	0.00
180.00	Oil Gas and Mud cut water	2.52
0.00	2%Gas 1%Oil 2%Mud 95%Water	0.00
1165.00	Water Chlorides	16.34

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	4.92	33.19
Last Gas Rate	0.50	5.22	35.21
Max. Gas Rate	0.50	5.28	35.62



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

30-20s-16w

9431 East Central Suited 100
Wichita, Kansas 67206

Demel Unit #1-36

Job Ticket: 17789

DST#: 2

ATTN: Ryan Greenbaum

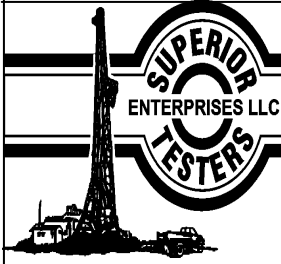
Test Start: 2012.08.27 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3757.00 ft	Diameter: 3.80 inches	Volume: 52.70 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 52.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3777.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	31.00 ft			
Number of Packers:	1	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			3759.00	
Hydraulic Tool	5.00			3764.00	
Jars	6.00			3770.00	
Safety Joint	2.00			3772.00	
Packer	5.00			3777.00	23.00 Bottom Of Top Packer
Perforations	3.00			3780.00	
Recorder	1.00	6838	Inside	3781.00	
Recorder	1.00	6839	Outside	3782.00	
Bull Plug	3.00			3785.00	8.00 Anchor Tool
Total Tool Length:	31.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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

30-20s-16w

9431 East Central Suited 100
Wichita, Kansas 67206

Demel Unit #1-36

Job Ticket: 17789

DST#: 2

ATTN: Ryan Greenbaum

Test Start: 2012.08.27 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 10.40 in³
Resistivity: ohm.m
Salinity: 8100.00 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

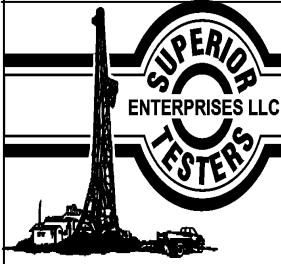
Length ft	Description	Volume bbl
180.00	Oil and gas cut muddy w ater	2.525
0.00	30%Gas 10%Oil 20%Mud 40%Water	0.000
180.00	Oil Gas and Mud cut w ater	2.525
0.00	2%Gas 1%Oil 2%Mud 95%Water	0.000
1165.00	Water Chlorides	16.342

Total Length: 1525.00 ft Total Volume: 21.392 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.

30-20s-16w

9431 East Central Suited 100
Wichita, Kansas 67206

Demel Unit #1-36

Job Ticket: 17789

DST#: 2

ATTN: Ryan Greenbaum

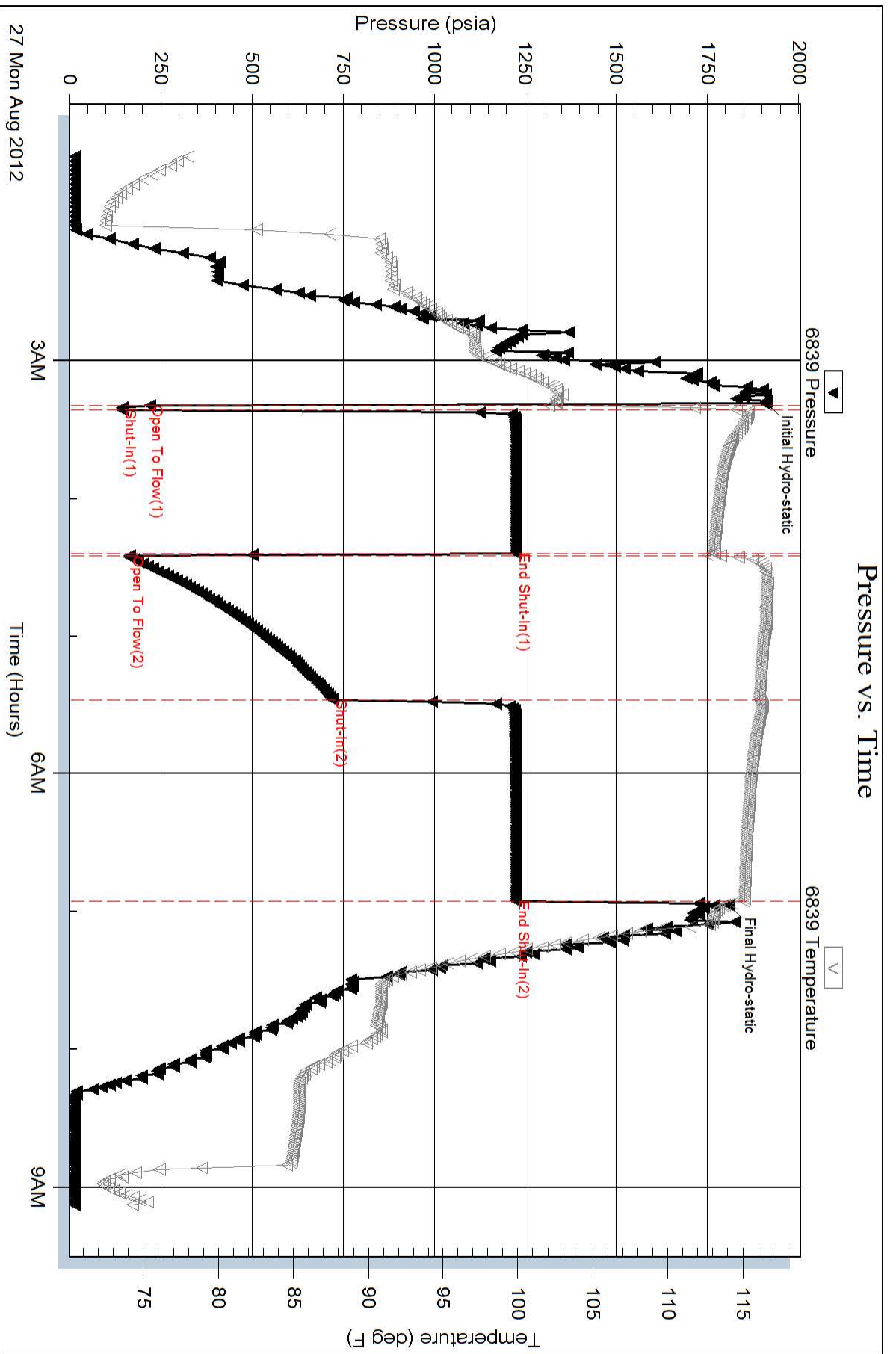
Test Start: 2012.08.27 @ 00:00:00

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	30	0.50	4.92	33.19
2	40	0.50	5.28	35.62
2	50	0.50	5.27	35.55
2	60	0.50	5.22	35.21



Pressure vs. Time

