



WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Confidentiality Requested:  
 Yes  No

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: \_\_\_\_\_

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
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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				

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	REECE UNIT 1-32
Doc ID	1071837

All Electric Logs Run

DIL
CDL/CNL
BHCS
CPI
Microresistivity
Fracfinder

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	REECE UNIT 1-32
Doc ID	1071837

Tops

Name	Top	Datum
Herrington	2393	-153
Winfield	2442	-202
Towanda	2512	-272
Ft Riley	2564	-324
B/Florence	2633	-393
Kinney Ls	2656	-416
Wrefold	2696.5	-456.5
Council Grove	2726	-486
Crouse	2770	-530
Neva	2899	-659
Red Eagle	2969	-729
Heebner	3834	-1594
Toronto	3849	-1609
Douglas Sh	3859	-1619
Brown Lime	3906	-1666
LKC	3921	-1681
BKC	4270	-2030
Marmaton	4278	-2038
Pawnee	4352	-2112
Ft Scott	4424	-2184
Cherokee Shale	4446	-2206
Mississippi	4494.5	-2254.5
RTD	4581	-2341

## Summary of Changes

Lease Name and Number: REECE UNIT 1-32

API/Permit #: 15-083-21725-00-00

Doc ID: 1071837

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved By	Deanna Garrison	NAOMI JAMES
Approved Date	01/06/2012	01/19/2012
Production - Barrels Oil		33
Production - Barrels of Water		25
Save Link	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1067625">../..kcc/detail/operatorEditDetail.cfm?docID=1067625</a>	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1071837">../..kcc/detail/operatorEditDetail.cfm?docID=1071837</a>



**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 #: \_\_\_\_\_
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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

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feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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(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.

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**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: \_\_\_\_\_



1067625

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
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_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	REECE UNIT 1-32
Doc ID	1067625

All Electric Logs Run

DIL
CDL/CNL
BHCS
CPI
Microresistivity
Fracfinder



Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	REECE UNIT 1-32
Doc ID	1067625

Tops

Name	Top	Datum
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Winfield	2442	-202
Towanda	2512	-272
Ft Riley	2564	-324
B/Florence	2633	-393
Kinney Ls	2656	-416
Wrefold	2696.5	-456.5
Council Grove	2726	-486
Crouse	2770	-530
Neva	2899	-659
Red Eagle	2969	-729
Heebner	3834	-1594
Toronto	3849	-1609
Douglas Sh	3859	-1619
Brown Lime	3906	-1666
LKC	3921	-1681
Mississippi	4494.5	-2254.5



**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 04471 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <u>10-15-11</u> DISTRICT <u>KANSAS</u>				NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:					
CUSTOMER <u>FG Holl Co LLC</u>				LEASE <u>Recc Unit #1-32</u> WELL NO.:					
ADDRESS				COUNTY <u>Hodgeman 32-27</u> STATE <u>KANSAS</u>					
CITY STATE				SERVICE CREW <u>Allen, TJ, Dale</u>					
AUTHORIZED BY				JOB TYPE: <u>8 5/8" surface</u> <u>CNW</u>					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>28443 PU</u>	<u>1</u>					<u>10-15-11</u>	<u>10-15-11</u>	<u>AM</u>	<u>1000</u>
<u>19889-19892</u>	<u>1</u>					<u>ARRIVED AT JOB</u>	<u>10-15-11</u>	<u>AM</u>	<u>1120</u>
<u>19960-19918</u>	<u>1</u>					<u>START OPERATION</u>	<u>10-16-11</u>	<u>AM</u>	<u>400</u>
						<u>FINISH OPERATION</u>	<u>10-16-11</u>	<u>PM</u>	<u>500</u>
						<u>RELEASED</u>	<u>10-16-11</u>	<u>AM</u>	<u>600</u>
						<u>MILES FROM STATION TO WELL 90-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
CP106	A-seru Lite	SK	150		
CP100	Common	SK	130		
CC102	cell FLAKE	lb	70		
CC109	calcium chloride	lb	753		
CC200	Cement Gel	lb	248	\$ 61.50	
CF105	Top Rubber cement Plug 8 5/8"	EA	1		
E100	unit mileage charge Pickup	mi	90		
E101	Heavy Equip mileage	mi	180		
E113	Bulk Delivery Charge	TM	1143		
CE200	Depth Charge 0-500'	4-hr	1		
CE240	Blending & mixing service chg	SK	280		
CE504	Plug container Utilization chg	Job	1		
5003	service Supervisor First 8hrs on Loc.	EA	1		

SUB TOTAL  
DL5 -

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Allen & Ward

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]  
(WELL OWNER OPERATOR CONTRACTOR OF

FIELD SERVICE ORDER NO.

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer FG Hall Co LLC	Lease No.	Date 10-15-11	
Lease Reece Unit	Well # 1-32		
Field Order # 04471A	Station Pratt KS	Casing 8 5/8"	Depth 522'
Type Job 8 5/8" Surface	Formation CNU	TD 524'	Legal Description 32-22-21
County Hodgeman		State Kansas	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 8 5/8"	Tubing Size	Shots/Ft	150	Apid SKs A-Serulite @ 133'	RATE 13.3 #	PRESS 300cc	ISIP 1/4" C.F.
Depth 522'	Depth	From	To	Pre Pad SKs Common	Max 2/10 gel	300cc	1/4" C.F. @ 15'
Volume 32	Volume	From	To	Pad	Mfn		10 Min.
Max Press # 500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection PC	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 502	Packer Depth	From	To	Flush DISP H2O	Gas Volume		Total Load

Customer Representative McGuire TP	Station Manager scotty	Treater Allen
---------------------------------------	---------------------------	------------------

Service Units	28443	19889	19842	19960	19918
Driver Names	Allen TJ	Gibson Dale	Phye		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:20 AM					on Loc. Discuss Safety, Setup, Plan Job Rig Drilling @ 502'
12:5 AM					BACK ON BOTTOM AFTER SHORT TRIP out of hole w/ bit, Rig up To Run 8 5/8" casing. 24"
3:00					START 8 5/8" CASING
4:10					CASING @ 522' CIR. w/ Rig.
4:30	200 #		44	5	START MIX 150 SKS A-SERULITE 133'
				5	START MIX 130 SKS COMMON w/ 2% gel, 3% ncc, 1/4" C.F. @ 15'
			31		Finish mix
					Drop Top Rubber Plug 8 5/8"
4:53	200 #			4	start Disp.
5:00	300 #		32	2	Plug down - Shut in @ well
	0 #				Release PSI. To TRK OK.
					Washup - Rack up Equip.
6:00					Job complete
					Cement CIR. To P.T.
					Thanks Allen, TJ, Dale.



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P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 05252 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 10-25-11		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 FG Holl Co. LLC				LEASE REECE #1-32				WELL NO.	
ADDRESS				COUNTY Hodgeman		STATE KANSAS		32-22-21	
CITY				STATE		SERVICE CREW Allen, T.J. Steve Young			
AUTHORIZED BY				JOB TYPE: 5 1/2" L.S. CNW					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28443	3 1/2						10-25-11	PM	9:20
33708-20920	3 1/2					ARRIVED AT JOB	10-25-11	AM	1:00
19826-19860	3 1/2					START OPERATION	10-25-11	AM	7:30
						FINISH OPERATION	10-25-11	AM	11:00
						RELEASED	10-25-11	AM	12:00
						MILES FROM STATION TO WELL	90-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: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AA-2 cement	SK	150		
CP103	60/40 Poz	SK	50		
CC102	cell FLAKE	lb	38		
CC105	Defoamer Powder	lb	35		
CC111	SALT Fine	lb	672		
CC115	GAS-Blok	lb	141		
CC129	FIA-322	lb	141		
CC201	Gilsonite	lb	1875		
CF607	Latch down Plug + Baffle 5/2	EA	1		
CF1251	Auto Fill Float Shoe 5/2 Blue	EA	1		
CF1651	Turbolizer 5/2 Blue	EA	8		
CF1901	5/2 Basket Blue	EA	1		
CF2002	Cement scratchers Rotating Type	EA	30		
CC154	super flush	gal	500		

SUB TOTAL  
PLS

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE *Allen F. Ward*

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

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

**FIELD SERVICE TICKET**

~~1718-05253-A~~

DATE \_\_\_\_\_ TICKET NO. 05252A

DATE OF JOB <u>10-25-11</u> DISTRICT <u>KANSA S</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:	
CUSTOMER <u>FG HOLL CO LLC</u>		LEASE <u>Reece #1-32</u> WELL NO.:	
ADDRESS		COUNTY <u>Hodgeman 32-22-2</u> STATE <u>Ks.</u>	
CITY STATE		SERVICE CREW <u>Allan T J, Steve Youngs</u>	
AUTHORIZED BY		JOB TYPE: <u>5 1/2" L.S.</u> <u>CNW</u>	

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<u>38443 P.U.</u>	<u>3 1/2</u>						<u>10-25-11</u>			<u>920</u>
<u>33708-20920</u>	<u>3 1/2</u>						<u>10-25-11</u>			<u>100</u>
<u>19820-19860</u>	<u>3 1/2</u>						<u>10-25-11</u>			<u>730</u>
							<u>10-25-11</u>			<u>1100</u>
							<u>10-25-11</u>			<u>1200</u>
										<u>90-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
E100	<u>unit mileage charge pickup</u>	<u>mi</u>	<u>90</u>		
E104	<u>Heavy Equip mileage chg.</u>	<u>mi</u>	<u>180</u>		
E113	<u>Bulk Delivery Chg.</u>	<u>Tm</u>	<u>927</u>		
CE205	<u>Depth Charge 9001-5000</u>	<u>4-hr</u>	<u>1</u>		
CE240	<u>Blending &amp; mixing Service chg.</u>	<u>SK</u>	<u>225</u>		
CE501	<u>CASING Swivel</u>	<u>EA</u>	<u>1</u>		
CE504	<u>Plug container wt. Lization chg.</u>	<u>sub</u>	<u>1</u>		
5003	<u>Service Supervisor first 8hrs.</u>	<u>EA</u>	<u>1</u>		

SUB TOTAL \$14,130.42  
DLS


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

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

Customer FGHoll Co LLC	Lease No.	Date 10-25-11	
Lease REECE	Well # H 1-32		
Field Order # 05252A	Station Pratt KS	Casing 5 1/2"	Depth 4563'
Type Job 5 1/2" Long string	Formation CWW	County Hodgeman	State KS
		Legal Description LTD 4580, LTD 4583	22-22-21

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size	Shots/Ft		Acid 25 SKS 60/40 Poz	RATE 5 SCAVENGER	PRESS 13.5	ISIP 13.5 gal	
Depth 4563'	Depth	From	To	Pre Pad 150 SKS AA-2 @	Max 15.5 gal		5 Min.	
Volume 108 1/2	Volume	From	To	Pad 12 BBL super Flush	Min		10 Min.	
Max Press 1200	Max Press	From	To	Frac 30 SKS 60/40 Poz	Avg RH		15 Min.	
Well Connection PC	Annulus Vol.	From	To	Flush 20 SKS 60/40 Poz MH	HHP Used		Annulus Pressure	
Plug Depth 4523'	Packer Depth	From	To	Flush Disp H2O	Gas Volume		Total Load	

Customer Representative Rob Long	Station Manager scotty	Treater Allen
-------------------------------------	---------------------------	------------------

Service Units	28433	33708	20920	19826	19860				
Driver Names	Allen TJ	Gibson	Steve	Young					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Notes
10:00 pm					O+S casing Service Log Duke #5 on loc. Discuss Safety, Setup Plan Job Laying Drill Pipe.
4:15					out of Hole w/ Bit Rig up to Run 5 1/2 casing 15.5#/ft + lay down Kelly
5:25					Start 5 1/2 casing. Shoe Jt. 9.67' w/ Shoe Float + L.D. Baffle in collar.
7:50					cent-1-Thru-8 - Basket 4" in Tag TD Pickup + CIR + Rotate @ 4563' "Good CIR"
10:00	200#		5	5	Pump 5 BBLs H2O spacer
			5	5	Pump 12 BBL super flush
			5	5	Pump 5 BBL H2O spacer
			7	5	mix 25 SKS 60/40 Poz - SCAVENGER @ 13#
			5	5	mix 150 SKS AA-2 cmt @ 15#
			38		Finish mix wash out Pump + Line.
10:23	500#			6	Drop L.D. Plug + Start Disp.
	1500#			5 1/2	caught Lift PSI w/ 82 BBLs out
10:45			108 1/2	4	Plug Down
					Release to TRK OK
11:00			7		Plug RH w/ 30 SKS 60/40
			5		Plug MH w/ 20 SKS 60/40
12:00					wash up + RACK UP. Job complete

# Mud-Co / Service Mud Inc.

Operator F.G. Holl Co. County Hodgeman State Kansas Pump 6 x 15 x 60 SPM Casing Program 8 5/8 \* @ 522 ft.  
 Well Reece Unit #1-32 Location \_\_\_\_\_ GPM \_\_\_\_\_ \* @ \_\_\_\_\_ ft.  
 Contractor Duke Drilling Co. #5 Sec 32 TWP 22S RNG 21W D.P. 4.5 in. 216 FT/MIN R.A. \_\_\_\_\_ \* @ \_\_\_\_\_ ft.  
 Stockpoint Pratt, Ks. Date 10/15/2011 Engineer Justin Whiting Collar 6.25 in. 450 ft. 393 FT/MIN R.A. Total Depth 4581' ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY			GELS 10 sec / 10 min	pH Strip Meter	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 %					
10/15	0																			RURT	
10/16	526																			Drig plug/cem	
10/18	3022	9.7	32			7.0	N/C				83M	Hvy	5.1		94.9	1				Drig. Mud up w/ Starch @ 2350' No Starch was	
10/19	3745	9.2	46	12	13	8/38	10.5	8.8	1		11.2M	40	5.7		94.3	2				Drig. added, large amount of shales recovered	
10/20	4249	9.4	47	12	16	8/37	10.0	8.0	1		8,600	20	7.4		92.6	1				Drig. in samples.	
10/21	4433	9.3	52	13	11	8/49	10.5	8.0	1		7,600	20	6.7		93.3	1				Drig. Displaced w/ chemical @ 3033'	
10/22	4506	9.2	51	13	10	7/40	10.5	11.2	1		8,200	40	6.0		94.0	2				TIH w/ DST 3 DST #1 @ 4337'	
10/23	4517	9.1	57	10	15	11/42	9.5	12.8	1		11.2M	60	5.0		95.0	1				TIH w/ bit DST #2 @ 4498'	
10/24	4581	8.7	69	13	22	17/44	9.0	16.8	2		13.4M	120	2.2		97.8	2				CTCH DST #3 @ 4506'	
10/24	4581	8.9	38	7	8	5/17	10.5	12.0	1		13.6M	20	3.5		96.5	1				CTCH DST #4 @ 4517'	
10/25	4581																			CTCH to LDDP	
																					*Vis dropped at RTD while circulating prior to TOH f/ Logs. Mix 2 premix's w/ no results, the mixed and spot pit mud w/ 10 Gel, 18 Starch... TOH f/ Logs
																					FINAL: Ran 4 DST's, Logs OK, Ran 5 1/2 csg
																					Reserve Pit, Chl content ppm: 12,000 ppm Estimated Volume: approx 800 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	101		SUPER LIG	8	228.80	
CAUSTIC SODA	27					
CO-POLY-L	5					
DESCO	2					
DRILL PAK	11					
LIME	5					
PREMIUM GEL	385					
SALT CLAY	26					
SODA ASH	37					
STARCH	18					
						Total Mud Cost
						Trucking Cost
						Trucking Surcharge
						Taxes
						<b>TOTAL COST</b>

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

December 20, 2011

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

Re: ACO1  
API 15-083-21725-00-00  
REECE UNIT 1-32  
NE/4 Sec.32-22S-21W  
Hodgeman County, Kansas

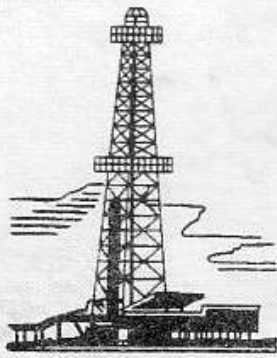
Dear Production Department:

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





# WELLSITE GEOLOGIST'S REPORT

J. R. Husted  
Consulting Geologist



Scale 1:240 (5"=100') Imperial

Well Name: REECE UNIT NO. 1-32  
Location: SEC 32-T22S-R21W  
Licence Number: 15-083-21,725-00-00  
Spud Date: OCT-15-2011  
Surface Coordinates: 2400' FNL,2000'FEL,90'S.,20' WEST OF C S/2 SW NE  
Region: HODGEMAN CO  
Drilling Completed: OCT-25-2011

Bottom Hole Vertical Hole  
Coordinates:  
Ground Elevation (ft): 2229' K.B. Elevation (ft): 2240'  
Logged Interval (ft): 2400' To: 4581' Total Depth (ft): 4581'  
Formation: MISSISSIPPI  
Type of Drilling Fluid: Starch, Chemical Premix (Displaced)

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

## OPERATOR:

Company: F.G. HOLL COMPANY LLC  
Address: 9431 E. CENTRAL STE 100  
WICHITA,KANSAS 67206-2563

## DRILLING CONTRACTOR:

DUKE RIG #5  
DRILL PIPE 4.5 X H; DRILL COLLARS 6.25 @ 575'; BIT #1 12 AND 1/4 JZ HA-1PGA @ 524';BIT #2 7 7/8 VAREL HE-2IMSV @ 4498';BIT #3 7 7/8 HE 29HGRV-JETS 14-14-15-ROTARY TD =4581' AND LTD = 4584'; MIRT 10-15-2011;KELLY BUSHING 11' ABOVE SEA LEVEL.

## SURFACE CASING:

SURFACE CASING SET AT 8 5/8 IN AT 522' CMT 280 SAXS; PRODUCTION SET AT 4563' TOTAL 175 SAXS

## CIRCULATION SYSTEM:

MUD PUMP-NATIONAL-K-500;6.0 X 15;SPM-54-PUMP PRESSURE 1000-STEELE PITS-MUD-CO-JASON WHITING-GREAT BEND

## GAS DETECTION SYSTEM:

MBC WELL LOGGING AND LEASING  
ANALOG HOTWIRE AND CHROMATOGRAPH

## OPEN HOLE LOGS:

DN (PE), DI (SP), ML: Sonic; . LogTech, Hays, KS, K Bange. Log total depth (4584') rotary depth (4581')

COMPLETION:

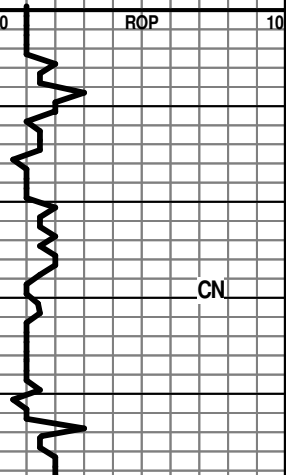
PRODUCTION CASING SET ON MISSISSIPPI

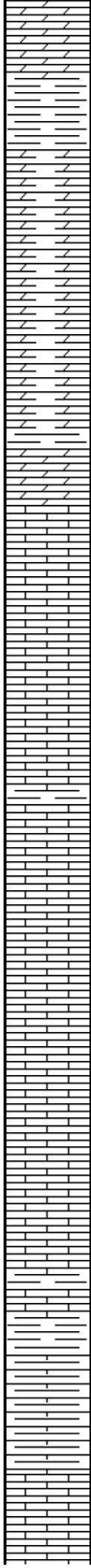
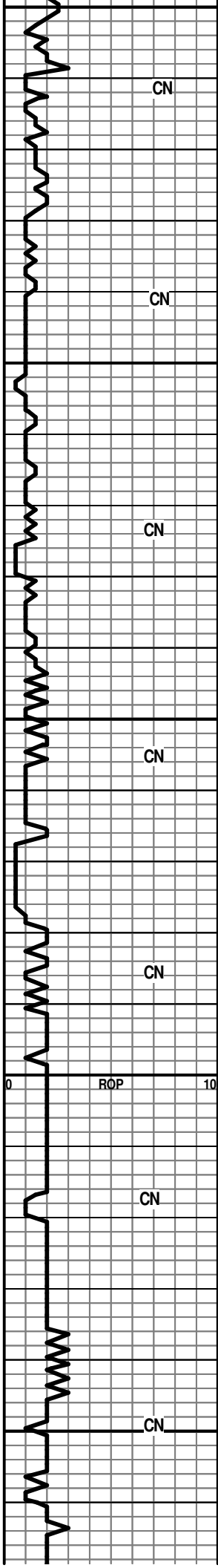
WELLSITE GEOLOGIST:

Rene Husted  
 600 N. WINWOOD ST  
 GARDNER, KS 66030  
 (913) 908-3390

ROP ROP (min/ft) —		DST	Lithology	Porosity and Show	Depth	Geological Descriptions	TG, C1-C4 / REMARKS
0	ROP	10			23	TOPS ROTARY LOG	
						HEEBNER 3830' 3831' (-1591')	
						TORONTO 3850' 3848' (-1608')	
						DOUGLAS 3859' (-1619')	
						BROWN LS 3904' 3906' (-1666')	
						LANSING 3920' (-1680')	SUPERIOR TESTERS KEN SWINNEY
					2350	B/KC 4272' (-2032')	
						MARMATON 4280' (-2040')	
						PAWNEE 4350' 4352' (-2112')	
						FT SCOTT 4423' (-2183')	
						L. CHEROKEE 4446' (-2206')	
						MISSISSIPPI 4496' 4494' (-2254')	SURVEYS 524' @ .44 DEG 4337' @ .57 DEG 4506' @ 1.08 DEG
					2400	DOLO-TN-F-GRN-SLI SUCRO-TR INTER-GRN POR-TO NO VIS POR-NO VIS GAS BUB W/ ANHY IN SAMPLE	
						DOLO-TN W/BLK SPECS-F-GRN-TR SH IMBD-SLI FOSS-NO VIS POR	WT. 9.6 VIS 35
						SH-GRY/RD-BLKY	
						WINFIELD 2442' (-202')	
					0	DOLO-CRM-F-XLN-BRIT-SLI CHLKY-FOSS-NO VIS POR	

GEOLOGIST  
ON SITE AT  
2400'





245  
2500  
2550  
2600  
2650

DOLO A.A.

DOLO-TN-F-XLN-HD-DNS TR SH IMBD

DOLO-TN-M-XLN-BRIT-TR FOSS-TR SH-NO VIS POR

**TOWANDA 2512' (-272')**

DOLO-CRM-F-XLN-BRIT-FOSS-OOL-TR PP POR-TO NO VIS POR

WT. 9.6  
VIS 33

LS-CRM-F-XLN-OOL-FR TO GD OOL-MOLDIC POR-NO VIS SHOW

LS-OFF WHT-F-XLN-TR CHLK-TR SH-NO VIS POR

LS A.A.

LS-OFF WHT-F-XLN-OOL-FR TO GD OOL-MOLDIC POR-NO VIS GAS BUB

HW -4 UNIT GAS INCRS  
@ 2586'

LS-OFF WHT-F-XLN-FOSS-HD-DNS

LS-OFF WHT/GRY-F-XLN-SHLY-NO VIS POR

LS-A.A.

LS-OFF WHT-F-XLN-OOL-SLI CHLKY-TR INTER-GRN /PP POR-NO VIS SHOW

**B/FLORENCE 2636' (-396')**

POOR SAMPLES

POOR SAMPLES

CN

CN

CN

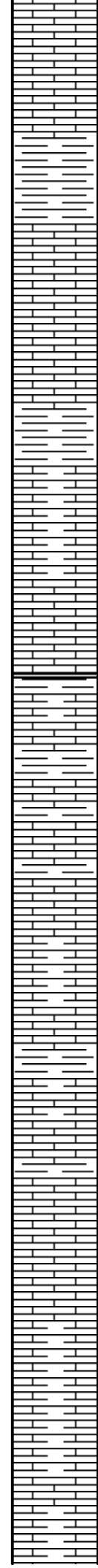
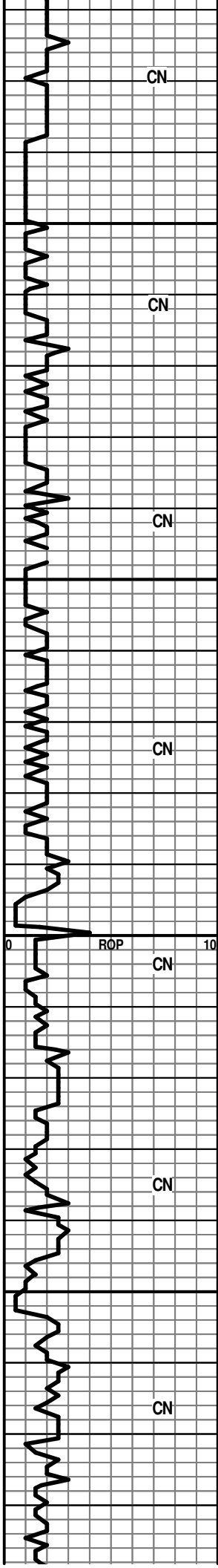
CN

CN

CN

CN

ROP



**COUNCIL GROVE 2682' (-442')**

POOR SAMPLES

2700 SH-GRY-SFT-WAXY/SLTY

LS-GRY-F-XLN-SH-LT GRY-TR FOSS-NO VIS POR

LS-TN/GRY-M-XLN-FOSS-TR SH-PR INTER-XLN POR-NO VIS GAS BUB

LS-GRY-F-XLN-SHLY-TR FOSS-DNS

2750 LS-A.A.

LS/SH PYR XLS IN TRAY

LS-GRY-F-XLN-SHLY

LS-TN-F-XLN-OOL-HD-DNS

LS-TN-F-XLN-OOL-FR TO GD-OOL-MOLDIC POR-NO VIS SHOW

2800

SH-GRY-BLKY-LMY

LS-GRY-M-XLN-HD-SHLY

SH-GRY-BLKY-LMY-FOSS

**COTTONWOOD 2840' (-600')**

LS-OFF WHT-F-XLN-OOL-FOSS-FR TO GD OOL-MOLDIC -W TR INTER-XLN POR-NO VIS SHOW

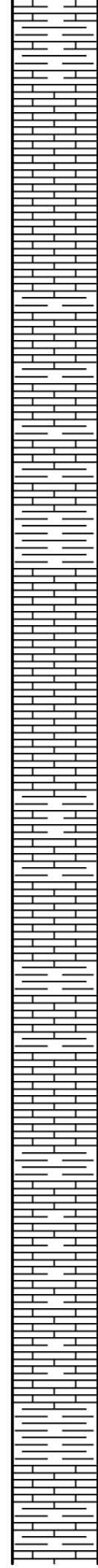
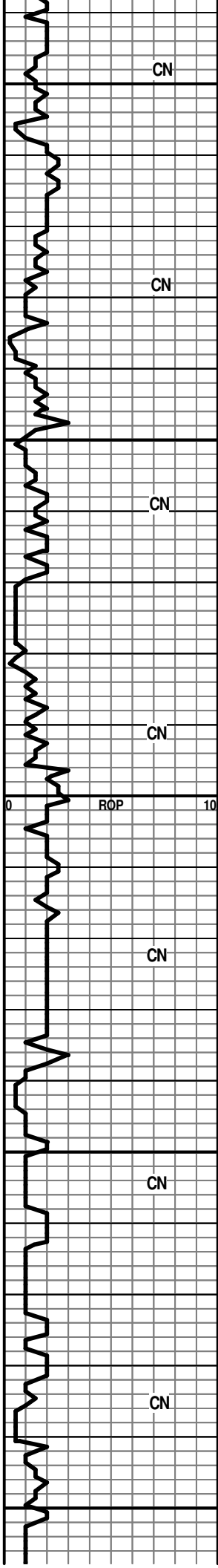
2850 LS-GRY-F-XLN-FOSS-HD-DNS

SH-GRY-LMY-BLKY

LS-GRY-F-XLN-FOSS-NO VIS POR W/ TR SH-RED-SFT-SLTY

LOST CIRCULATION

HW-8 UNIT GAS INCRS @ 2726'



2900  
2950  
3000  
3050  
3100

**NEVA 2900' (-660')**

LS-OFF WHT-F-XLN-CHLKY IP-FOSS-TR INTER-XLN  
POR-NO VIS SHOW

LS-OFF WHT-F-XLN-HD-DNS TR FOSS

LS/SH

LS-OFF WHT-GRY-F-XLN-FOSS/OOL-FR INTER-XLN/TR  
OOL-MOLDIC POR-NO VIS SHOW

SH-RED-SFT-SLTY

**RED EAGLE 2969' (-729')**

LS-GRY-F-XLN/GRN-FOSS FRAGS-PR TO FR  
INTER-GRN/FOSS POR-TR SH LT GRY IMBD-NO VIS  
GAS BUB

HW-9 UNIT GAS INCRS  
@ 3007

LS-GRY-F-XLN-SHLY-FOSS-HD-DNS W/ SH-LT  
GRY-V-SFT-GUMMY

LS-GRY-F-XLN-HD-DNS W/  
SH-GRY-SFT-V-FOSS-BRY-SPONGES AND TR SH BLK  
CARB

LS A.A.

LS-GRY-V-F-XLN-HD-DNS

DISPLACED @ 3033'

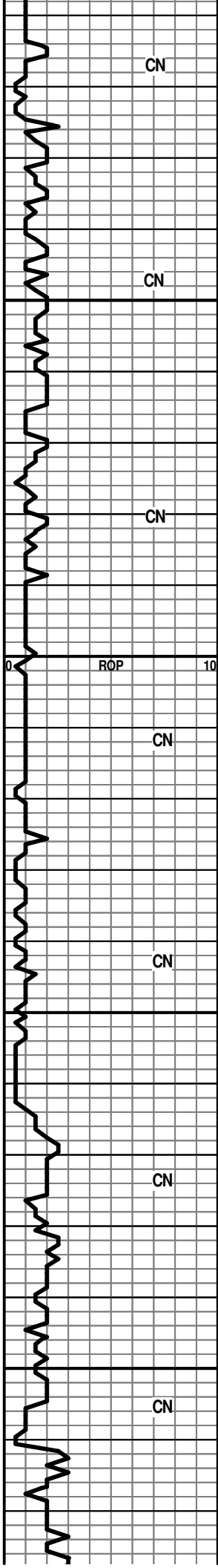
LS-OFF WHT/GRY-F-XLN-BRIT TO HD-CHLKY-NO VIS  
POR-NO VIS FLOR-NO VIS SHOW

LS-GRY-F-XLN-V-SHLY-FOSS-SHELLS-TR INTER-PRT  
POR TO NO VIS POR-NO VIS FLOR

SH-DK-GRY-LMY-FOSS

LS-OFF WHT-F-XLN-SNDYTEX-CHLKY-FOSS-OOL-TR  
INTER-XLN TO NO VIS POR-DULL WHT MIN FLOR-NO  
VIS SHOW

LS A.A.



3150

3200

3250

3300

**WABAUNSEE 3124' (-884')**

LS-OFF WHT-F-XLN-BRIT TO HD-TR FOSS-NO VIS  
POR-DULL WHT MIN FLOR-NO VIS SHOW

WT. 8.5  
VIS 60  
LCM #2

SH-GRY-BLKY-FOSS

LS-CRM-F-XLN-FOSS-HD-DNS TR  
CHRT-GRY-OPQ-FRSH IN TRAY

LS-OFF WHT/YEL-F-XLN-TR  
CHLK-BRIT-V-FOSS-OOL-(COQUINA)-TR  
INTER-XLN.PRT POR-DULL WHT FLOR-NO VIS SHOW

SH-LT GRY-BLKY-WAXY

SH-GRY-SPLNTY

SH-LT GRN-V-SFT-V-SLTY

SS-FRSTY WHT/GRN-V-F-GRN-V-FRI-RND-WELL  
SRTED-CHLKY-V-SM GLAU/HEM XLS IMBD THRU-PR  
INTER-GRN POR-NO VIS FLOR-NO VIS SHOW

WT. 8.5  
VIS 52  
LCM #3

SLTSS-FRSTY GRY-V-F-GRN-SHLY-MICA-GLAU-HEM

**STOTLER 3264' (-1024')**

LS-OFF WHT-F-XLN-HD-DNS

LS-YEL/GRY-F-XLN-FOSS-SHELLS-HD-DNS

WT. 8.6  
VIS 51  
LCM #3

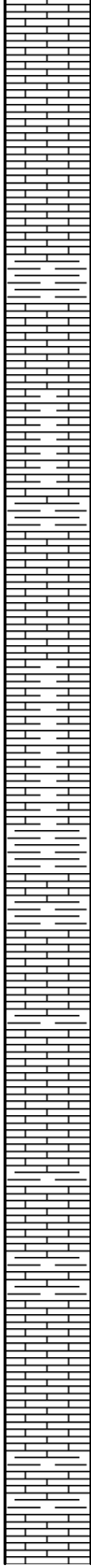
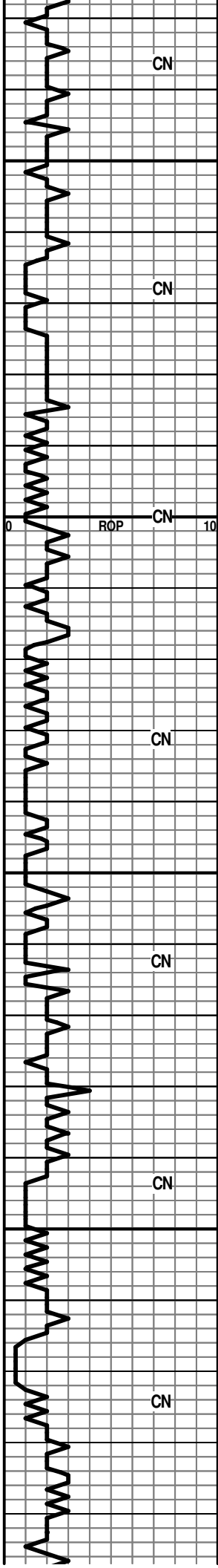
SH-GRN/GRY-BLKY-SLTY

SS-FRSTY WHT-M-GRN-TT TO FRI-RNED-WELL  
SRTED-CLEAN W/ MICA/GLAU/HEM IMBD-PR TO  
FR-INTER-GRN POR-NO VIS FLOR-NO VIS SHOW

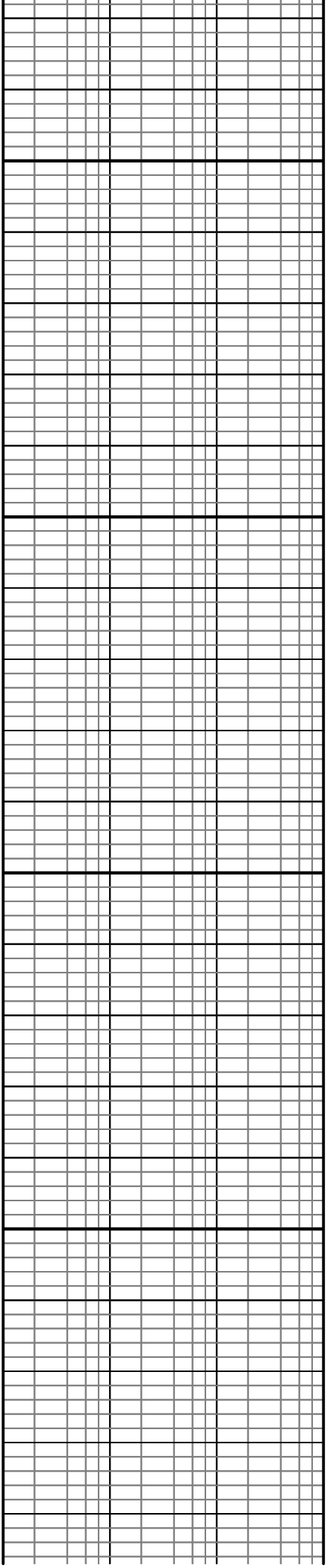
**TARKIO 3312' (-1072')**

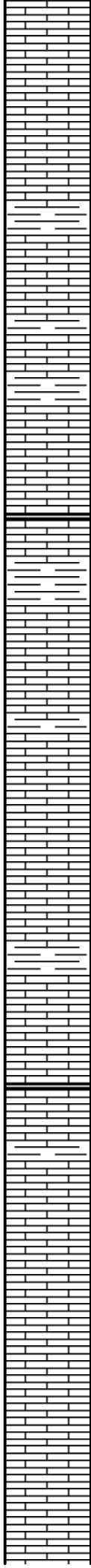
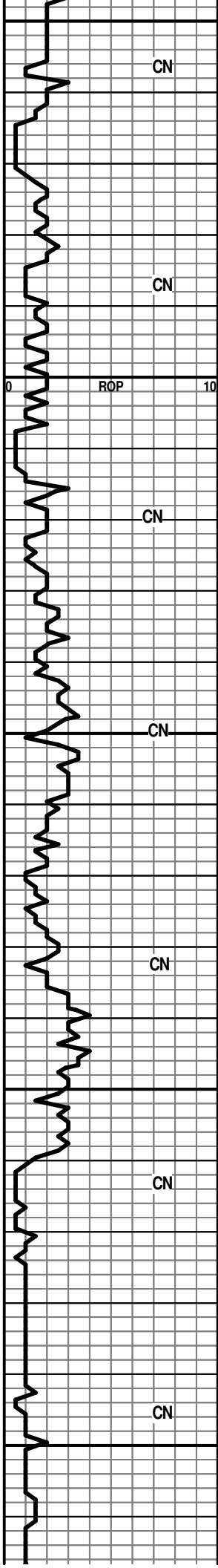
LS-GRY-F-XLN-FOSS-SHLY-PYR XLS IMBD-DNS

WT. 8.6  
VIS 51  
LCM #2



LS-BRN-V-F-XLN (LITHO)-FOSS-HD-DNS TR PYR XLS  
 IMBD  
 LS-LT BRN-F-XLN-HD-DNS  
 3350  
 LS-GRN/BRN-F-XLN-HD-DNS  
 LS A.A. W/ CHRT-BLK-OPQ-FRSH-FOSS  
 SH-GRY-BLKY-LMY-FOSS  
 SH-GRY-BLKY-LMY  
 3400 **HOWARD 3402' (-1162')**  
 LS-TN-F-XLN-SNDY TEX-BRIT TO HD-NO VIS POR-NO  
 VIS FLOR-NO VIS SHOW  
 SH-GRY/BLK-BLKY-LMY-FOSS-PYR XLS  
 LS-GRY/OFF WHT-V-F-XLN-FOSS FRAGS-HD-DNS  
 LS-GRY-F-XLN-OOL-HD-DNS  
 3450 **TOPEKA 3450' (-1210')**  
 LS-TN/GRY-F-XLN-FOSS FRAGS-OOL-HD-DNS  
 LS-GRY-V-F-XLN-HD-DNS  
 LS A.A.  
 LS-TN-F-XLN-FOSS-TR OOL IP-CHLK IP-DULL WHT MIN  
 FLOR-NO VIS SHOW  
 3500  
 LS-GRY-F-XLN-FOSS-SHELLS-TR SM PYR XLS  
 IMBD-DULL WHT MIN FLOR-NO VIS SHOW  
 LS-OFF WHT-F-XLN-BLOCKY-BRIT TO HD-DNS  
 LS A.A. CHLKY  
 LS-GRY-F-XLN-FOSS-SHLY-HD-DNS  
 LS-TN-F-XLN-BLOCKY-HD-DNS  
 LS-TN-F-XLN-HD-DNS





3550  
3600  
3650  
3700  
3750

LS-CRM-F-XLN-SNDY-FOSS-CHLKY-DNS

LS-CRM/OFF WHT-F-XLN-SNDY TEX-CHLKY-FOSS  
FRAGS-RARE GLAU XLS-TR PP POR TO NO VIS  
POR-NO VIS FLOR-NO VIS SHOW

LS-GRY-F-XLN-FOSS-GLAU-TR VUG POR TO NO VIS  
POR-NO VIS FLOR

LS-CRM-F-GRN-FOSS-OOL-BRIT-TR PP POR-NO VIS  
FLOR-NO VIS SHOW

LS-CRM-F-XLN-SNDY TEX-CHLKY-FOSS-V-BRIT-TR PP  
TO NO VIS POR-BRITE WHT FLOR-NO VIS CUT

LS-GRY-F-XLN-BLOCKY-HD-DNS W TR FOSS FRAGS

LS A.A. W/ CRS XLN EDGES -SCATT WHT/BLU  
FLOR-NO VIS CUT

LS-TN-V-F-XLN (LITHO) FOSS TRANSLUCENT-HD-DNS

LS-OFF WHT-F-GRN-FOSS-PR INTER-GRN POR-TR BRN  
STN-NO VIS FLOR-NO VIS CUT

LS A.A.

LS-TN-F-XLN-W/ SHELL FOSS-BLOCKY-HD-DNS

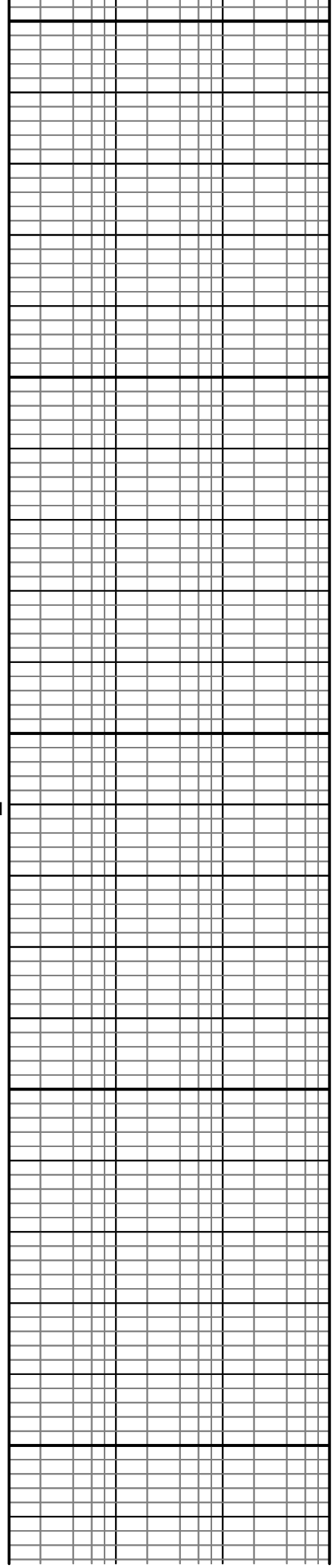
LS-TN-V-F-XLN-FOSS-FUS-HD-DNS

LS-TN-F-XLN-OOL-BRIT-DNS

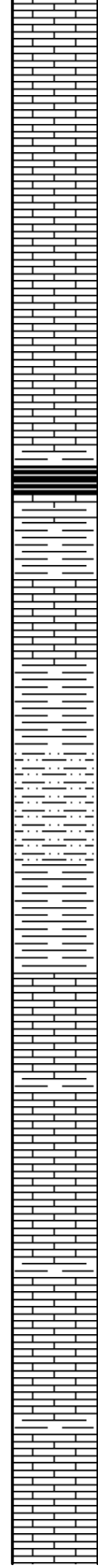
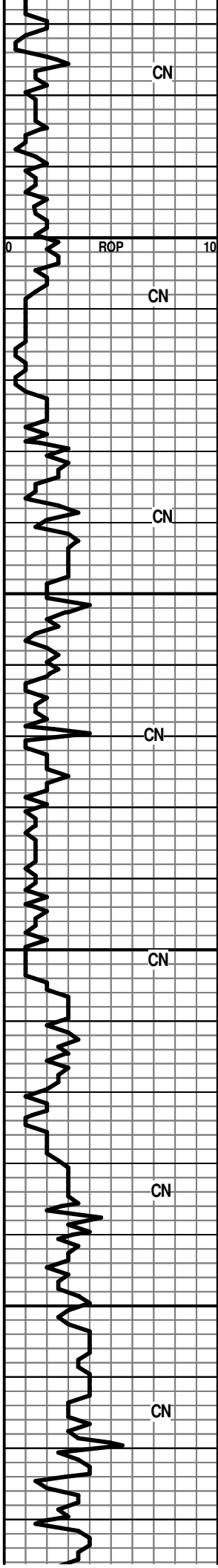
LS-TN-F-GRN-FOSS-TR PP POR-BRITE YEL FLOR- NO  
VIS CUT

LS-TN-F-XLN-HD-DNS W/CHRT-GRY-OPQ-FRSH W/  
CHLK IN TRAY

LS-OFF WHT-F-XLN-TR FOSS-HD-DNS W/ CHLK IN  
TRAY







3800

LS-TN-V-F-GRN-FOSSFRAGS-TR FRAC POR-NO VIS  
FLOR-NO VIS SHOW

LS-OFF WHT/GRY-F-GRN-FOSS-HD-DNS

LS-OFF WHT-F-XLN/GRN-CHLKY-FOSS FRAGS-NO VIS  
POR-NO VIS FLOR

LS A.A.

WT. 9.4  
VIS 51  
LCM#2

LS-TN-F-XLN/GRN-FOSS-BLOCKY-HD-DNS

HEEBNER 3830' (-1590')

SH-BLK-CARB

TORONTO 3850' (-1610')

3850

LS-GRY-F-XLN-FOSS-HD-DNS

DOUGLAS SH 3859' (-1619')

SH-GRY/GRN-SPLNTY

SH-GRN-WAXY

SH-GRY-SFT-SLTY

SLTSS-FRSTY GRY-M-GRN-SHLY-GLAU-TR INTER-GRN  
POR-NO VIS FLOR-NO VIS SHOW

3900

BROWN LS 3904' (-1664')

LS-GRY-F-XLN-HD-DNS W/ PYR XLS IMBD IP

LANSING/KC 3920' (-1680')

LS-GRY-F-XLN-SLI CHLKY-FOSS SHELLS-SHLY-NO  
VIS POR-NO VIS FLOR-NO VIS SHOW

LS-TN-V-F-GRN-FOSS FRAGS-SM OOL-HD-DNS

WT. 9.4  
VIS 46  
LCM #2

LS-TN-F-XLN-FOSS-HD-DNS W/  
CHRT-TN-OPQ-FOSS-FRSH

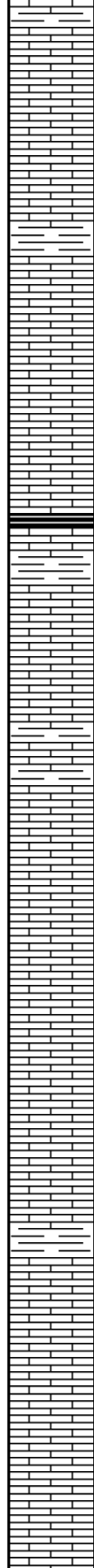
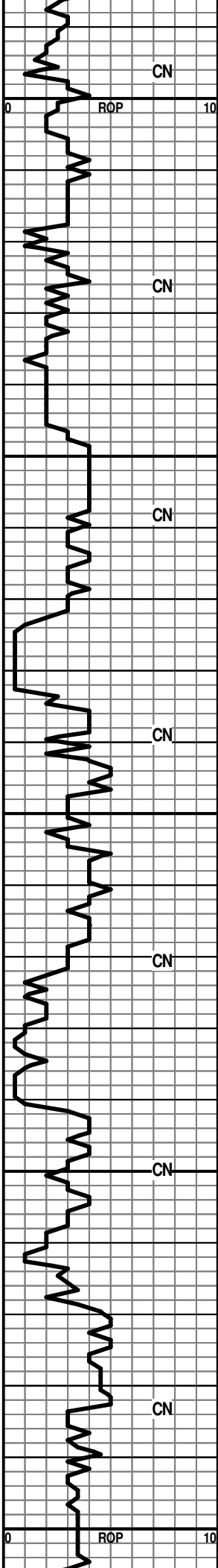
3950

LS A.A.

LS-TN/OFF WHT-F-XLN/GRN-FOSS FRAGS-TR  
ISOLATED VUG TO NO VIS POR -DNS W/ ABUNDT  
CHRT-VARIG-OPQ-FRSH IN TRAY

WT. 9.1  
VIS 53  
LCM #2

LS-GRY/BRN-F-GRN-HD-SHLY-FOSS-NO VIS POR-NO  
VIS FLOR



4000  
4050  
4100  
4150  
4200

LS A.A.

LS-TN-F-XLN/GRN-FOSS FRAGS-HD-DNS

SH-GRY-BLKY

LS-GRY-F-XLN-SHLY-FOSS FRAGS-HD-DNS

LS-TN-F-XLN-V-SM-FOSS FRAGS-BRIT-DNS

4050  
LS-TN-F-XLN-FOSS FRAGS-SM OOL-HD-DNS

SH-BLK-CARB W/ LS-TN-V-F-GRN-OOL-TR SM  
OOL-MOLDIC POR -NO VIS FLOR-NO VIS SHOW

LS-TN-F-XLN-OOL-FOSS FUS-GD-OOL-MOLDIC  
POR-NO VIS FLOR-NO VIS SHOW

LS-GRY-F-XLN-V-OOL-TR OOL-MOLDIC POR-NO VIS  
FLOR-NO VIS SHOW

4100  
LS A.A.

LS-TN/GRY-F-XLN-OOL-SHLY-HD-DNS

LS-TN-V-F-XLN (TRANSLUCENT)-OOL-TR OOL-MOLDIC  
POR-BRIT-NO VIS FLOR-NO VIS SHOW

WT. 9.3  
VIS 47  
LCM 1 1/2#

LS-TN-F-XLN-OOL-FR TO GD OOL-MOLDIC  
POR-BRIT-NO VIS FLOR-NO VIS SHOW W/  
CHRT-GRY-OPQ-FRSH IN TRAY

LS-TN/GRY-F-XLN-HD-DNS

4150  
LS-OFF WHT-F-XLN-OOL-TR GLAU-HD-DNS

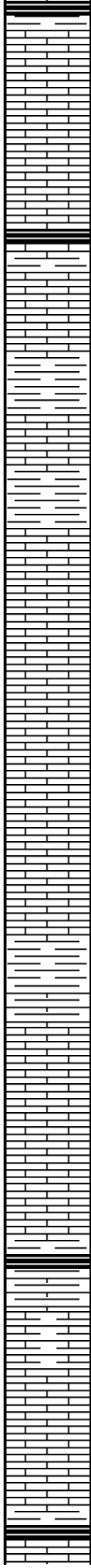
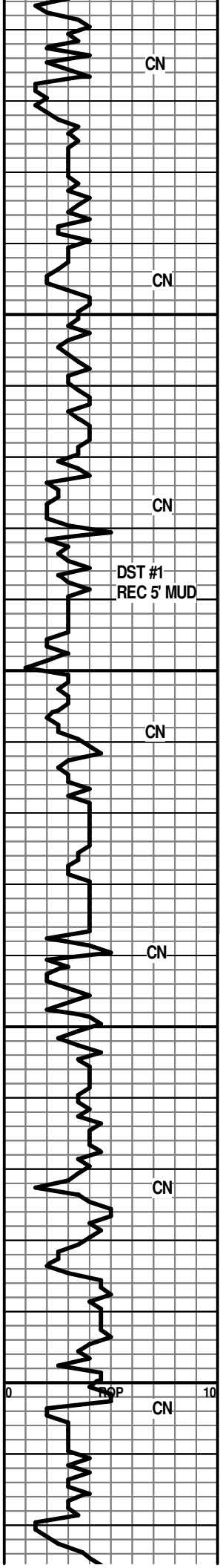
SH-GRY-SPLNTY

LS-GRY-F-XLN-BLOCKY-HD-DNS W/  
CHRT-OFFWHT-OPQ-FRSH

WT. 9.1  
VIS 47  
LCM #2

LS-OFF WHT-F-XLN-HD-DNS

LS A.A. CHLKY



SH-BLK-CARB

LS-TN/CRM-F-XLN-CHLKY-BLOCKY-TR PP AND SM VUG  
 POR-NO VIS FLOR-NO VIS CUT-TR GAS BUB

LS-TN-M-XLN-SLI CHLKY-TR FOSS-PR SHALLOW VUG  
 POR-DULL WHT MIN FLOR-NO VIS CUT

LS-TN-F-XLN-HD-DNS-DULL WHT FLOR-NO VIS SHOW

SH-GRN-GRY-SPLNTY

4250  
 LS-TN-F-GRN-BRIT-FOSS-PP POR AND SM VUG-DULL  
 WHT FLOR-NO VIS CUT

LS-GRY-V-F-XLN-TR FOSS SHELLS-HD-DNS

B/KC 4272' (-2032')

SH-DK GRY-SPLNTY

MARAMATON 4280' (-2040')

LS-TN W/ BLK STN-F-GRN-FOSS-DK BRN EDGE  
 STN-PP AND SM VUG POR-DULL WHT FLOR-GD STRM  
 CUT-NO ODOR-CHLK IN TRAY

4300  
 LS-OFF WHT-F-GRN-V-SM OOL-PR TO FR INTER-PRT  
 POR-TR FRAC-LT BRN STN-NO VIS FLOR-IMMED FLSH  
 AND STRM CUT-NO ODOR-NO VIS FREE OIL

LS-GRY-F-XLN-FOSS BRYZ-GD INTRA-PRT POR-BRN  
 OIL-DULL WHT FLOR-GD FLSH AND STRM CUT-NO  
 ODOR-GOOD SHOW OF FREE OIL IN FOSS AND TRAY

LS-GRY-F-XLN-HD-DNS W/ CHRT-YEL-TRANS-FRSH

SHALES-GRY/GRN-BLKY/W LS-GRY-F-XLN-HD-DNS  
 AND CHRT-OFF WHT-OPQ-FRSH

4350  
**PAWNEE 4350' (-2110')**  
**LOG 4352' (-2112')**

LS-OFFWHT/GRY-F-XLN-HD-DNS W/ CHRT (1PC PR PP  
 POR-LT BRN STN-NO VIS FLOR-FLSH CUT)

LS-OFF WHT-F-XLN-SLI CHLKY-HD-DNS

LS A.A. ABUNDT CHLK IN TRAY

LS-OFF WHT-F-XLN-FOSS FRAGS-HD-DNS W/ PYR XLS

SH-BLK-CARB

LS-OFF WHT-F-XLN-HD-DNS W/ CHRT(1 PC PR PP POR  
 W/ DK BLK STN-NO VIS FLOR-NO VIS CUT) TR CHLK IN  
 TRAY

4400  
 SH-GRY-GRN-SPLNTY

LS-OFF WHT-F-XLN-FOSS FUS-HD-DNS

SH-BLK-CARB

**FT. SCOTT 4423' (2183')**

WT. 9.4  
 VIS 51  
 LCM #2

9 unit gas incrs @ 4257'

STRAP  
 4343.8  
 4340.67  
 3.14 LONG TO THE  
 BOARD

SHORT-TRIP @ 4280'

CIRC 20-40-60  
 WT. 9.4  
 VIS 48  
 LCM #1

CIRC 20-40-60  
 WT. 9.4  
 VIS 47  
 LCM #1

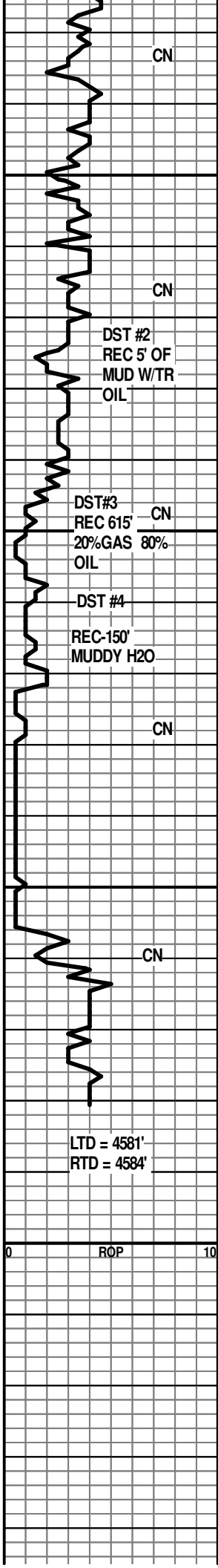
20 UNIT GAS INCRS @  
 4337'

CFS  
 DST #1  
 4268-4337'  
 REC-5' MUD  
 IBLW-WK BLW BUILT TO  
 1/2 IN  
 FBLWNO BLW  
 15/30/15/30  
 IFP-66.52-70.63  
 FFP-73.67-76.53  
 SIP-667.53-226.49  
 HP-2089-2060

WT. 9.1  
 VIS 60  
 LCM #3

HW-15 UNIT GAS INCRS  
 @ 4392'

WT. 9.3  
 VIS 56  
 LCM #2



4450  
4500  
4550  
4600

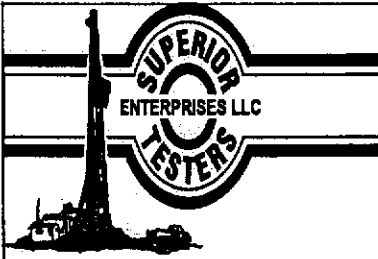
LS-GRY/BLU-V-F-XLN-LITHO-V-SM FOSS FRAGS-SM OOL-HD-DNS  
 LS-TN-F-XLN-TR FOSS FRAG-HD-DNS  
**LOWER CHEROKEE 4446' (-2206')**  
 SH-BLK-CARB  
 LS-GRY/TN-F-XLN-HD-DNS W/ TR SM PYR XLS  
 LS-TN-V-F-XLN-CHRTY-HD-DNS  
 SHALES-VARIG-SPLNTY-CHRT-OFF WHT-OPQ-FRSH W/ LT BRN STN-NO VIS FLOR-NO VIS CUT-TR SH-LT GRN-BLKY-SNDY  
**MISS 4496' (-2256') LOG 4494' (-2254')**  
 CHRT-OFF WHT-OPQ-FRSH TO TRIP-GD-PP PLUS VUG POR-LT BRN STN-FNT YEL/GLD FLOR-GD STRM CUT-GD ODOR-TR GAS BUB  
 CHRT-OFF WHT-OPQ-FRSH W/ SEVERAL PCS TRIP-GD EDGE STN-FNT YEL /GLD POR-GD STRM CUT-FNT ODOR-NO VIS GAS BUB  
 CHRT-OFF WHT-OPQ-FRSH-TR TRIP-W/ PP AND VUG POR-TR FNT YEL FLOR-TR FR STRM CUT-FNT ODOR  
 CHRT-OFF WHT-OPQ-FRSH-RARE PC TRIP A.A.  
 CHRT-A.A. NO VIS SHOW  
**GILMORE CITY 4556' (-2316')**  
 LS-TN-F-XLN-FOSS-HD-DNS  
 LS-TN/GRY-F-XLN-FOSS-HD-DNS

HW 15 UNIT GAS INCRS @ 4430'  
 DST #2 4468-4498' REC-5' MUD SHOW OF OIL  
 IBLW-WK BLW BUILT TO 1/2 IN  
 FBLW-NO BLW-FLSH TOOL -NO CHANGE 15/60/15/60  
 IFP-44.43-50.18  
 FFP-53.65-60.61  
 SIP-1418-1393  
 HP-2195-2177  
 HW 15 UNIT GAS INCRS @ 4496' 30 MIN CIRC  
 HW 20 UNIT GAS INCRS @ 4506-20 MIN CIRC  
 CFS  
 CFS  
 HW 15 UNIT GAS INCRS @ 4516' 20 MIN CIRC  
 CFS  
 DST #3 4498-4506' REC-615' CLEAN GASSY OIL-20% GAS-80% OIL-60'-WATER AND MUD CUT OIL-65% OIL-25% MUD-10% H2O  
 IBLW-GD BLW BOB IN 17 MIN-BLW BK TO 4 IN  
 FBLW-GD BLW BOB IN 17 MIN GAS TO SURF IN 37 MIN-GAS NOT ENOUGH TO GAUGE-30/60/60/90  
 IFP-60.22-161.85  
 FFP-191.91-288.22  
 SIP-1348.06-1282.15  
 HP-2176.29-2157.85  
 DST #4 4507-4517' REC-150' MUDDY H2O WITH SHOW OF OIL IN TOOL-20% MUD-80% H2O-IBLW-FR BLW BUILT TO 4 1/2 IN-FBLW-WK BLW-BUILT TO 1 1/2 IN-30-45-60-90  
 IFP-41.96-73.43  
 FFP-77.85-107.97  
 SIP-1248.22-1186.48  
 HP-2116.4-2091.96

LTD = 4581'  
 RTD = 4584'

ROP





# DRILL STEM TEST REPORT

FG Holl Company LLC  
 9431 East Central  
 Suite 100  
 Wichita, Kansas 67206+2563  
 ATTN: Renee Husted

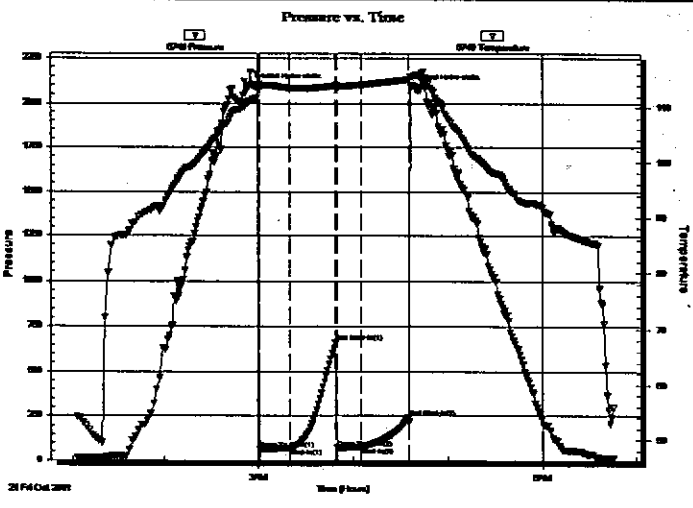
**Reece Unit #1-32**  
**32/22S/21W/Hodgeman**  
 Job Ticket: 18787      DST#: 1  
 Test Start: 2011.10.21 @ 01:02:00

### GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: **03:01:30**  
 Time Test Ended: **06:45:30**  
 Interval: **4268.00 ft (KB) To 4337.00 ft (KB) (TVD)**  
 Total Depth: **4337.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Ken Swinney**  
 Unit No: **3325 Great Bend/112**  
 Reference Elevations: **2234.00 ft (KB)**  
**2224.00 ft (CF)**  
 KB to GR/CF: **10.00 ft**

**Serial #: 6749**      **Outside**  
 Press@RunDepth: **73.51 psig @ 4333.99 ft (KB)**      Capacity: **5000.00 psig**  
 Start Date: **2011.10.21**      End Date: **2011.10.21**      Last Calib.: **2011.10.21**  
 Start Time: **01:03:00**      End Time: **06:45:30**      Time On Btm: **2011.10.21 @ 02:59:00**  
 Time Off Btm: **2011.10.21 @ 04:39:30**

**TEST COMMENT:** 1ST Open      15 Minutes/Weak blow /Blow built to 1/2 inch  
 1ST Shut In      30 Minutes/No blow back  
 2ND Open      15 Minutes/No blow  
 2ND Shut In      30 Minutes/No blow back



### PRESSURE SUMMARY

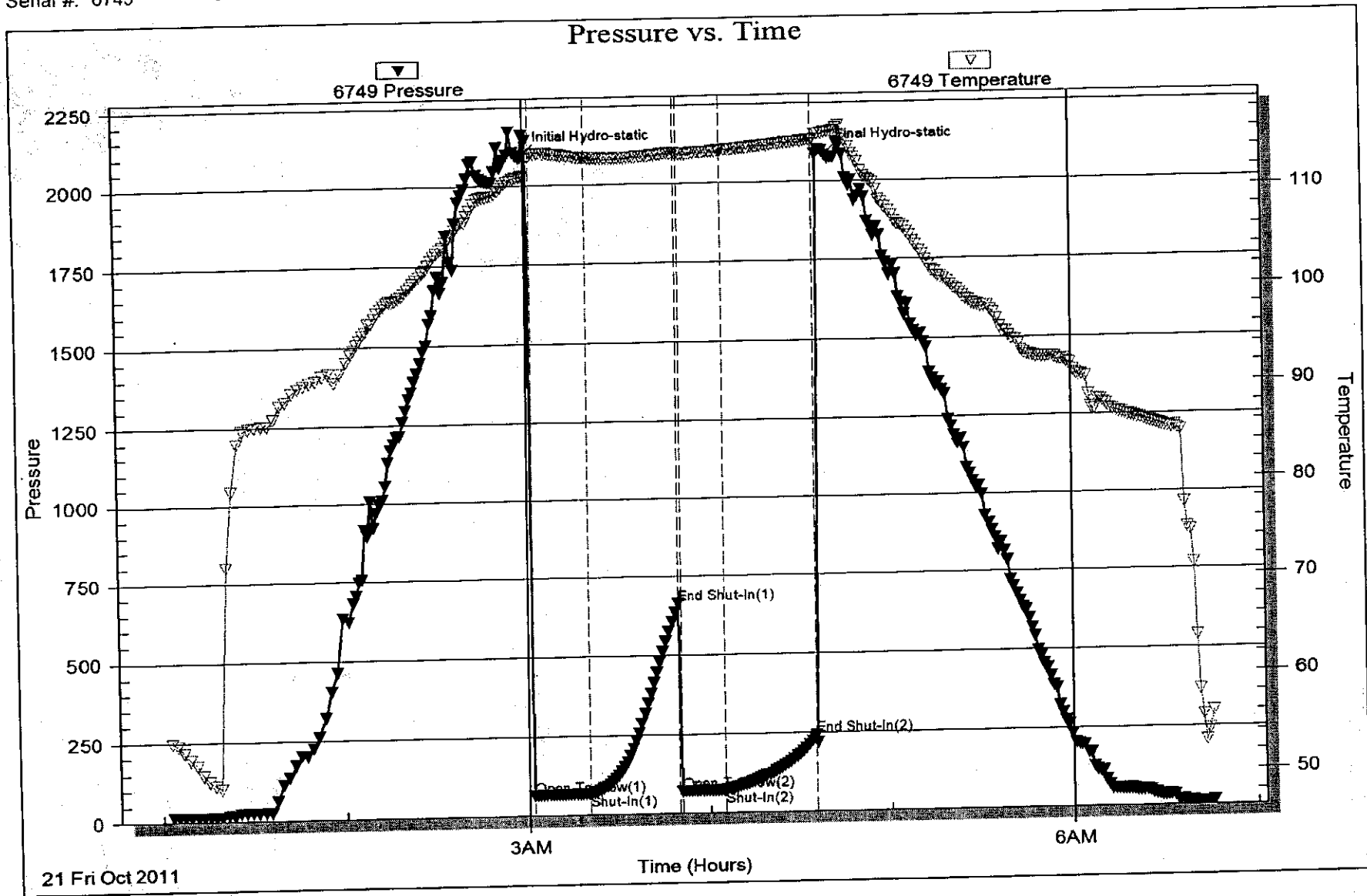
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2089.15	111.67	Initial Hydro-static
3	63.75	113.67	Open To Flow (1)
21	68.08	113.54	Shut-In(1)
51	662.99	113.91	End Shut-In(1)
52	71.10	113.77	Open To Flow (2)
66	73.51	114.08	Shut-In(2)
96	240.38	115.03	End Shut-In(2)
101	2081.99	115.80	Final Hydro-static

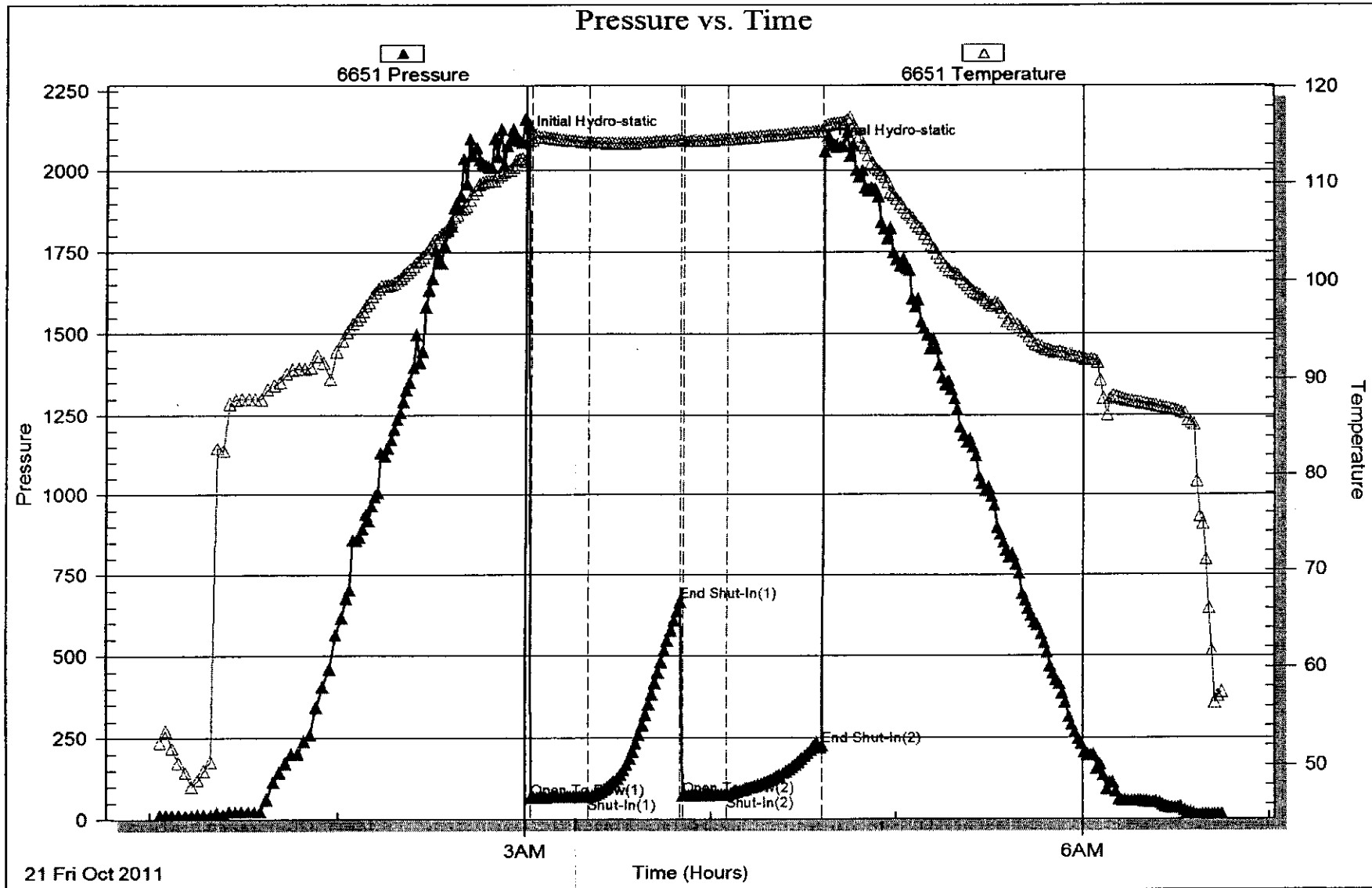
### Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

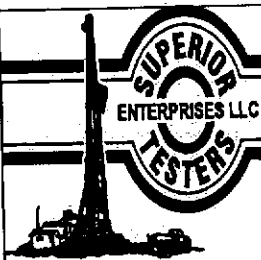
### Gas Rates

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









# DRILL STEM TEST REPORT

FG Holl Company LLC  
 9431 East Central  
 Suite 100  
 Wichita, Kansas 67206+2563  
 ATTN: Renee Husted

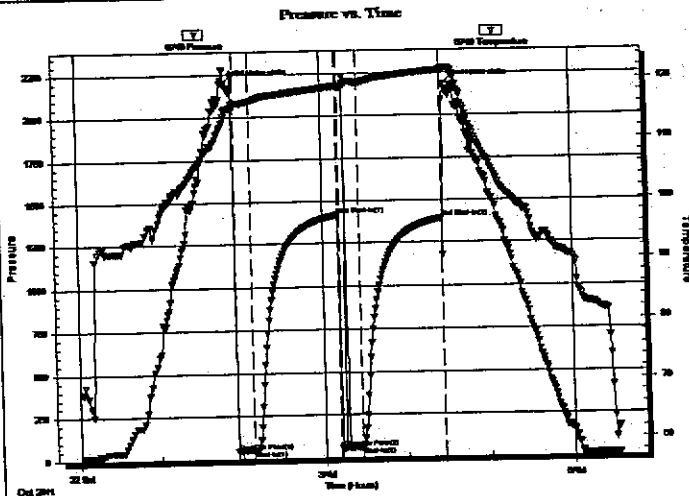
**Reece Unit #1-32**  
**32/22S/21W/Hodgeman**  
 Job Ticket: 18788 DST#: 2  
 Test Start: 2011.10.22 @ 00:01:00

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 01:56:30 Tester: Ken Swinney  
 Time Test Ended: 06:33:30 Unit No: 3325 Great Bend/112  
 Interval: **4468.00 ft (KB) To 4498.00 ft (KB) (TVD)**  
 Reference Elevations: 2234.00 ft (KB)  
 Total Depth: 4498.00 ft (KB) (TVD) 2224.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

**Serial #: 6749** Outside  
 Press@RunDepth: 60.61 psig @ 4495.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2011.10.22 End Date: 2011.10.22 Last Calib.: 2011.10.22  
 Start Time: 00:02:00 End Time: 06:33:30 Time On Btm: 2011.10.22 @ 01:50:00  
 Time Off Btm: 2011.10.22 @ 04:28:30

**TEST COMMENT:** 1ST Open 15 Minutes/Weak blow/Blow built to 1/2 inch  
 1ST Shut In 60 Minutes/No blow back  
 2ND Open 15 Minutes/No blow/Flush tool didn't help  
 2ND Shut In 60 Minutes/No blow back



## PRESSURE SUMMARY

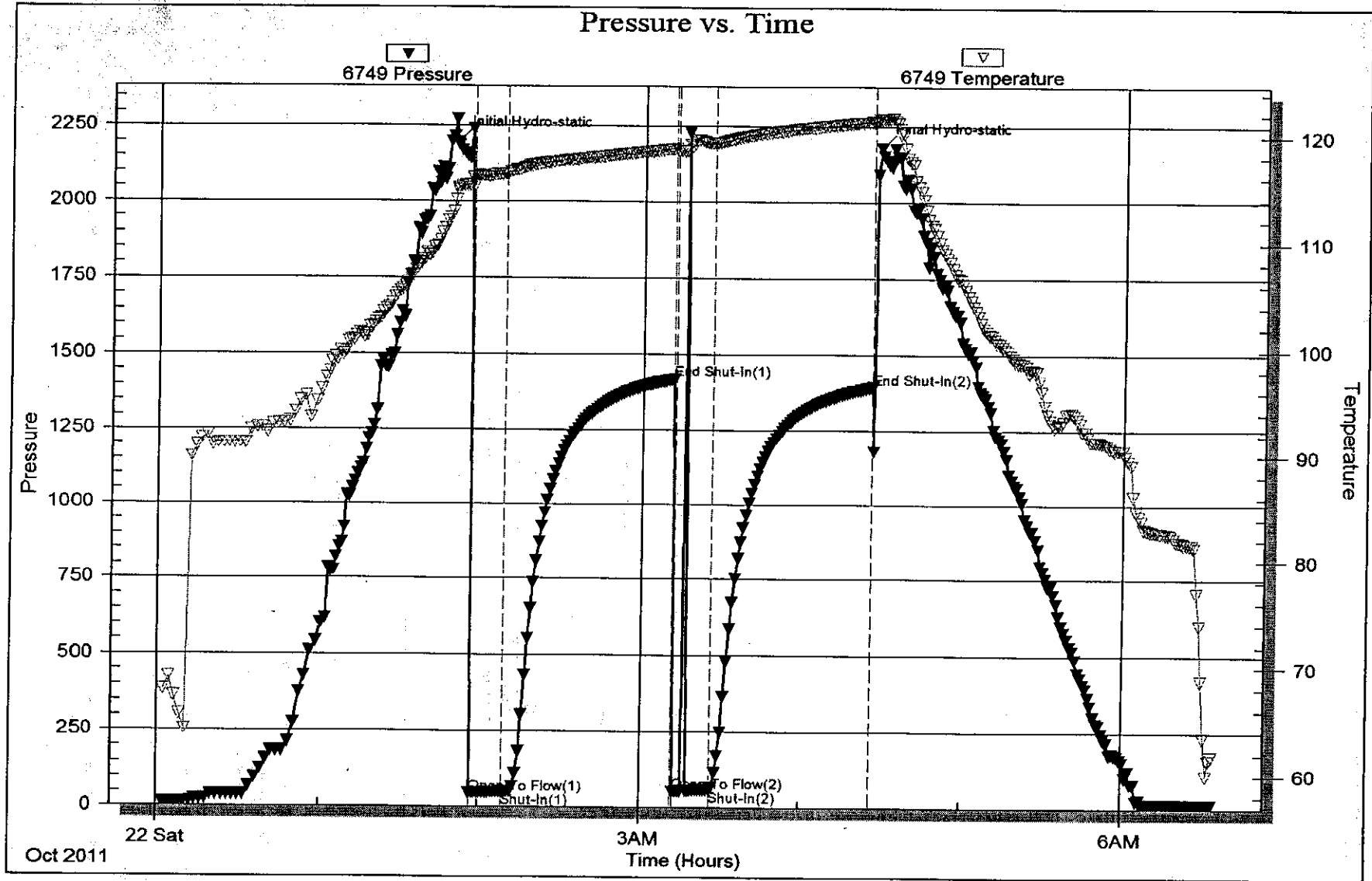
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.00	114.91	Initial Hydro-static
7	44.43	115.39	Open To Flow (1)
19	50.18	116.42	Shut-In(1)
82	1418.01	118.83	End Shut-In(1)
83	53.65	118.56	Open To Flow (2)
97	60.61	119.33	Shut-In(2)
156	1393.30	121.44	End Shut-In(2)
159	2177.94	121.60	Final Hydro-static

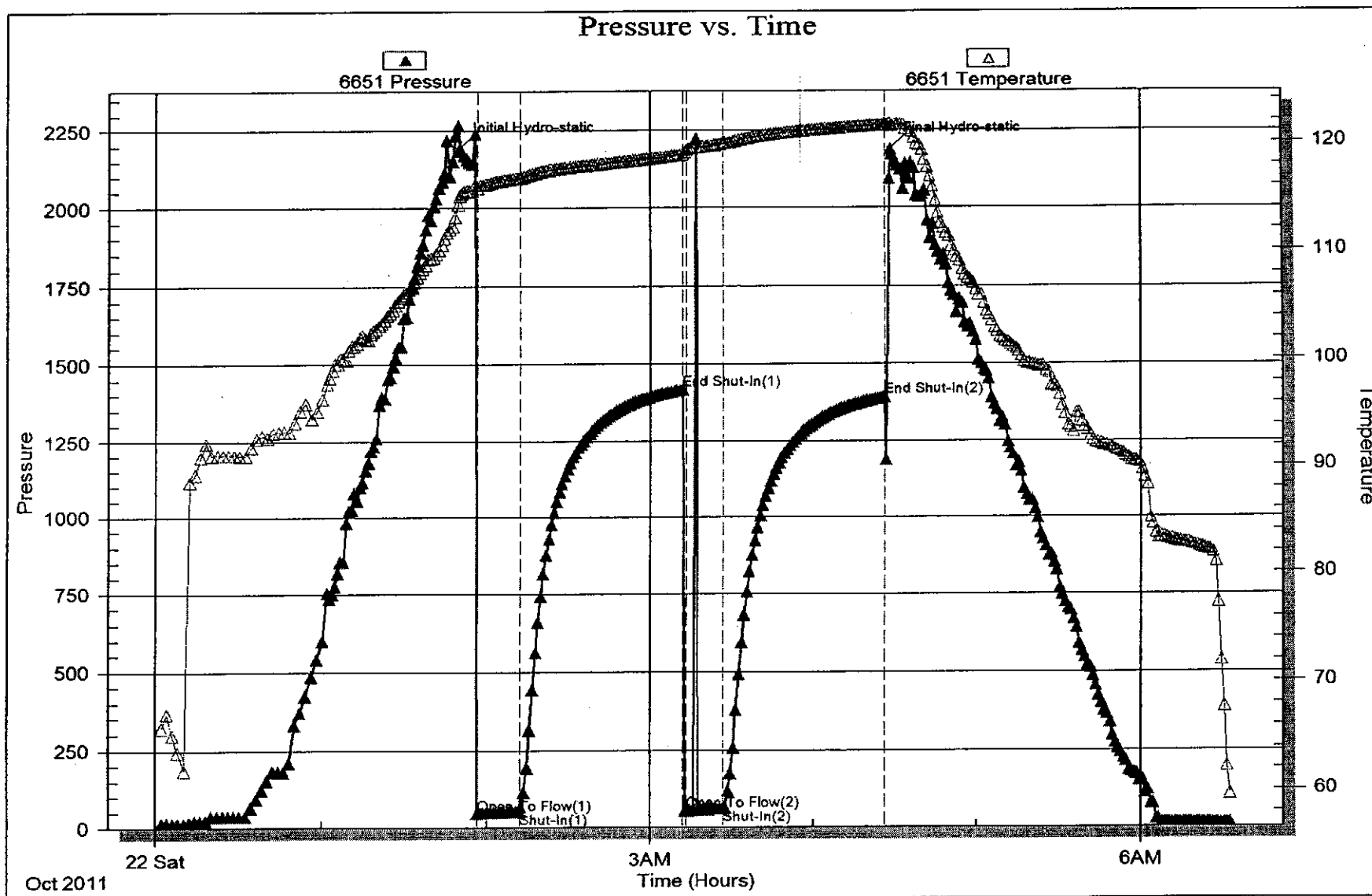
## Recovery

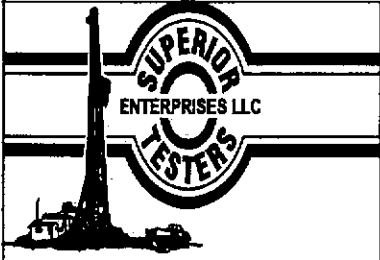
Length (ft)	Description	Volume (bbl)
5.00	Mud with show of oil	0.02

## Gas Rates

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







# DRILL STEM TEST REPORT

FG Holl Company LLC  
 9431 East Central  
 Suite 100  
 Wichita, Kansas 67206+2563  
 ATTN: Renee Husted

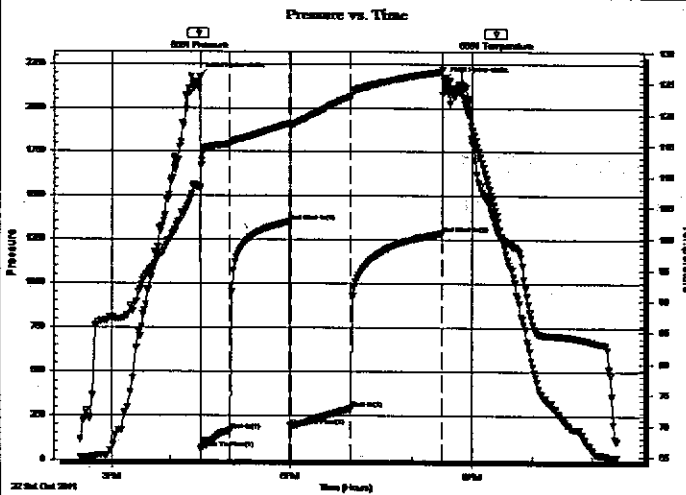
**Reece Unit #1-32**  
**32/22S/21W/Hodgeman**  
 Job Ticket: 18789 DST#: 3  
 Test Start: 2011.10.22 @ 14:27:00

### GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: **No Whipstock:** ft (KB)  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Time Tool Opened: 16:31:30  
 Tester: **Ken Sw inny**  
 Time Test Ended: 23:25:00  
 Unit No: **3325 Great Bend/112**  
 Interval: **4498.00 ft (KB) To 4506.00 ft (KB) (TVD)**  
 Reference Elevations: **2234.00 ft (KB)**  
**2224.00 ft (CF)**  
 Total Depth: **4506.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 KB to GR/CF: **10.00 ft**

**Serial #: 6651 Inside**  
 Press@RunDepth: **288.22 psig @ 4502.00 ft (KB)** Capacity: **5000.00 psig**  
 Start Date: **2011.10.22** End Date: **2011.10.22** Last Calib.: **2011.10.22**  
 Start Time: **14:28:00** End Time: **23:25:00** Time On Btm: **2011.10.22 @ 16:30:00**  
 Time Off Btm: **2011.10.22 @ 20:32:00**

**TEST COMMENT:** 1ST Open 30 Minutes/Good blow/Blow built to bottom of bucket in 17 minutes  
 1ST Shut In 60 Minutes/Blow back built to 4 inches  
 2ND Open 60 Minutes/Good blow/Blow built to bottom of bucket in 17 minutes/Gas to surface in 37 minutes  
 2ND Shut In 90 Minutes/Blow back built to 1 inch



### PRESSURE SUMMARY

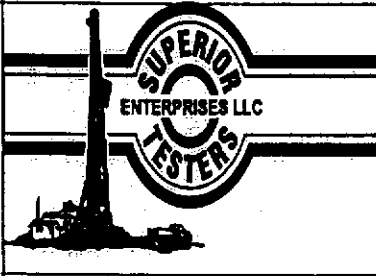
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.29	108.23	Initial Hydro-static
2	60.22	111.75	Open To Flow (1)
29	161.85	115.23	Shut-In(1)
90	1348.06	118.55	End Shut-In(1)
91	191.91	118.20	Open To Flow (2)
150	288.22	122.93	Shut-In(2)
240	1282.15	126.92	End Shut-In(2)
242	2157.85	125.90	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
615.00	Clean Gassy Oil	5.79
0.00	Gas 20% Oil 80%	0.00
60.00	Water and Mud cut Oil	0.88
0.00	Water 10% Mud 25% Oil 65%	0.00
0.00	Corrected gravity of oil 36	0.00

### Gas Rates

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



# DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company LLC

**Renee Unit #1-32**

9431 East Central  
Suite 100  
Wichita, Kansas 67206+2563  
ATTN: Renee Husted

**32/22S/21W/Hodgeman**  
Job Ticket: 18789      DST#: 3  
Test Start: 2011.10.22 @ 14:27:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 52.00 sec/qt  
Water Loss: 7.98 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 7600.00 ppm  
Filter Cake: 1.00 inches

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

Oil API:      deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
615.00	Clean Gassy Oil	5.791
0.00	Gas 20% Oil 80%	0.000
60.00	Water and Mud cut Oil	0.877
0.00	Water 10% Mud 25% Oil 65%	0.000
0.00	Corrected gravity of oil 36	0.000

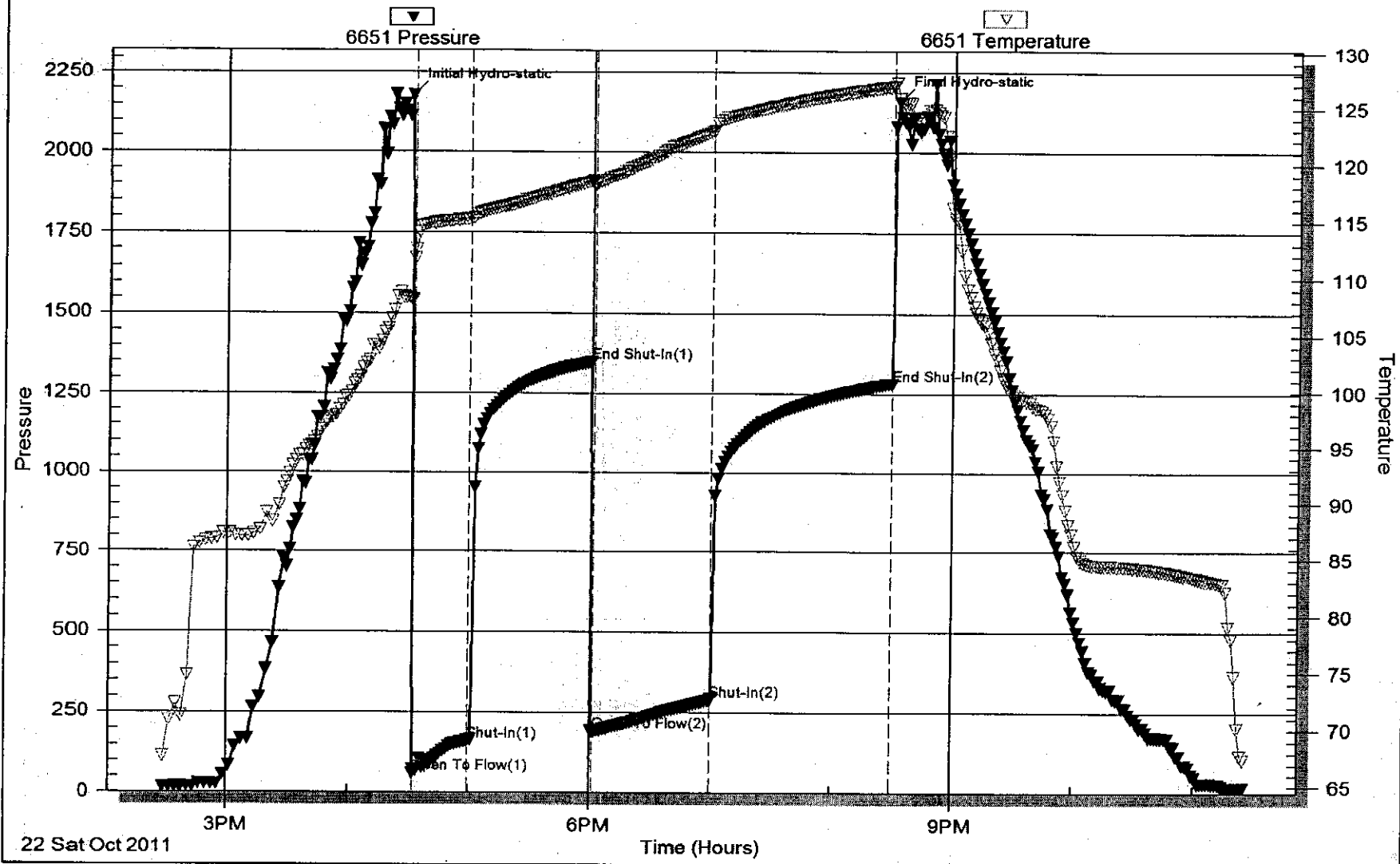
Total Length: 675.00 ft      Total Volume: 6.668 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

# Pressure vs. Time

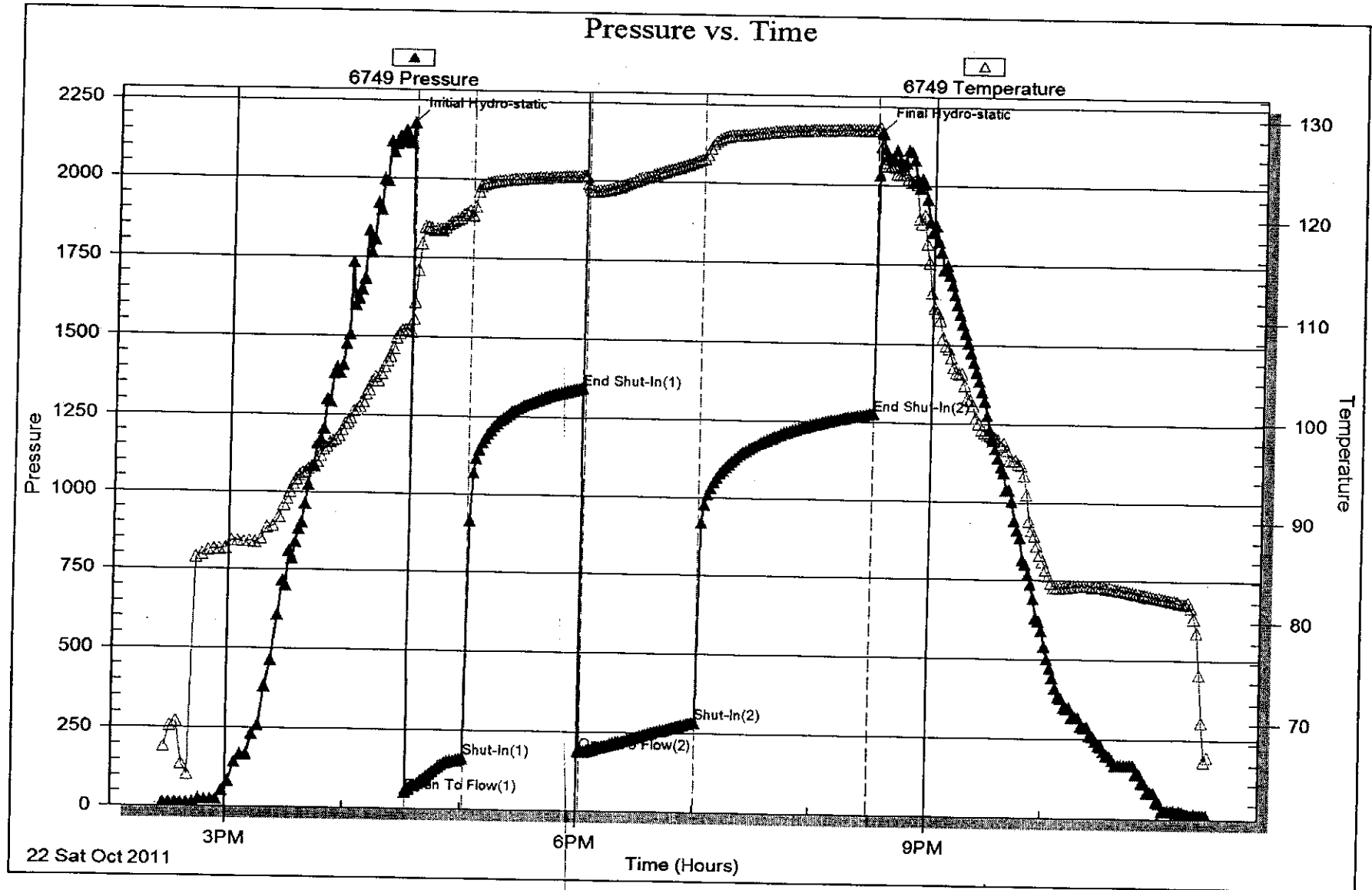


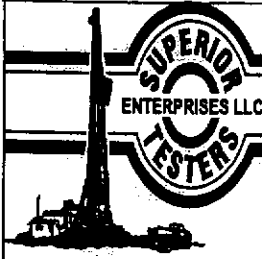
Serial #: 6749

Outside FG Holl Company LLC

32/22S/21W/Hodgeman

DST Test Number: 3





# DRILL STEM TEST REPORT

FG Holl Company LLC  
 9431 East Central  
 Suite 100  
 Wichita, Kansas 67206+2563  
 ATTN: Renee Husted

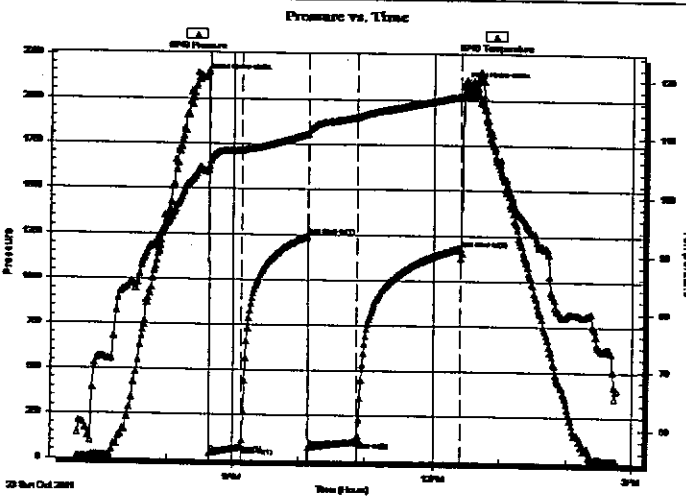
**Reece Unit #1-32**  
**32/22S/21W/Hodgeman**  
 Job Ticket: 18790      **DST#: 4**  
 Test Start: 2011.10.23 @ 06:35:00

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:38:30  
 Time Test Ended: 14:45:00  
 Interval: **4507.00 ft (KB) To 4517.00 ft (KB) (TVD)**  
 Total Depth: **4517.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Ken Swinney**  
 Unit No: **3325 Great Bend/112**  
 Reference Elevations: **2234.00 ft (KB)**  
    **2224.00 ft (CF)**  
    KB to GR/CF: **10.00 ft**

**Serial #: 6749**      **Outside**  
 Press@RunDepth: **1184.98 psig @ 4514.00 ft (KB)**      Capacity: **5000.00 psig**  
 Start Date: **2011.10.23**      End Date: **2011.10.23**      Last Calib.: **2011.10.23**  
 Start Time: **06:36:00**      End Time: **14:45:30**      Time On Btm: **2011.10.23 @ 08:34:30**  
    **14:26:30**      Time Off Btm: **2011.10.23 @ 12:26:30**

TEST COMMENT: 1ST Open      30 Minutes/Fair blow /Blow built to 4 1/2 inches  
 1ST Shut In      45 Minutes/No blow back  
 2ND Open      60 Minutes/Weak blow /Blow built to 1 1/2 inches  
 2ND Shut In      90 Minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.27	104.13	Initial Hydro-static
4	36.50	104.97	Open To Flow (1)
34	70.22	107.54	Shut-In(1)
94	1246.83	110.53	End Shut-In(1)
94	73.71	110.60	Open To Flow (2)
138	105.45	113.52	Shut-in(2)
230	1184.98	117.21	End Shut-In(2)
232	2080.67	117.46	Final Hydro-static

## Recovery

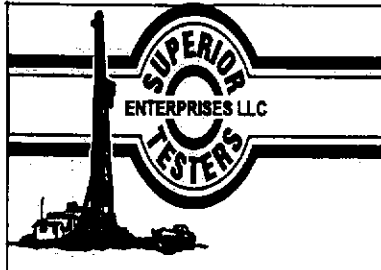
Length (ft)	Description	Volume (bbl)
150.00	Muddy water with show of oil in tool	0.74
0.00	Mud 20% Water 80%	0.00
0.00	Recovery Chlorides 20000 ppm	0.00
0.00	.30 ohms at 78 degrees	0.00

## Gas Rates

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



DIAGRAM



# DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company LLC

Reece Unit #1-32

9431 East Central  
 Suite 100  
 Wichita, Kansas 67206+2563  
 ATTN: Renee Husted

32/22S/21W/Hodgeman

Job Ticket: 18790

DST#: 4

Test Start: 2011.10.23 @ 06:35:00

## 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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8200.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	Muddy water with show of oil in tool	0.738
0.00	Mud 20% Water 80%	0.000
0.00	Recovery Chlorides 20000 ppm	0.000
0.00	.30 ohms at 78 degrees	0.000

Total Length: 150.00 ft      Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

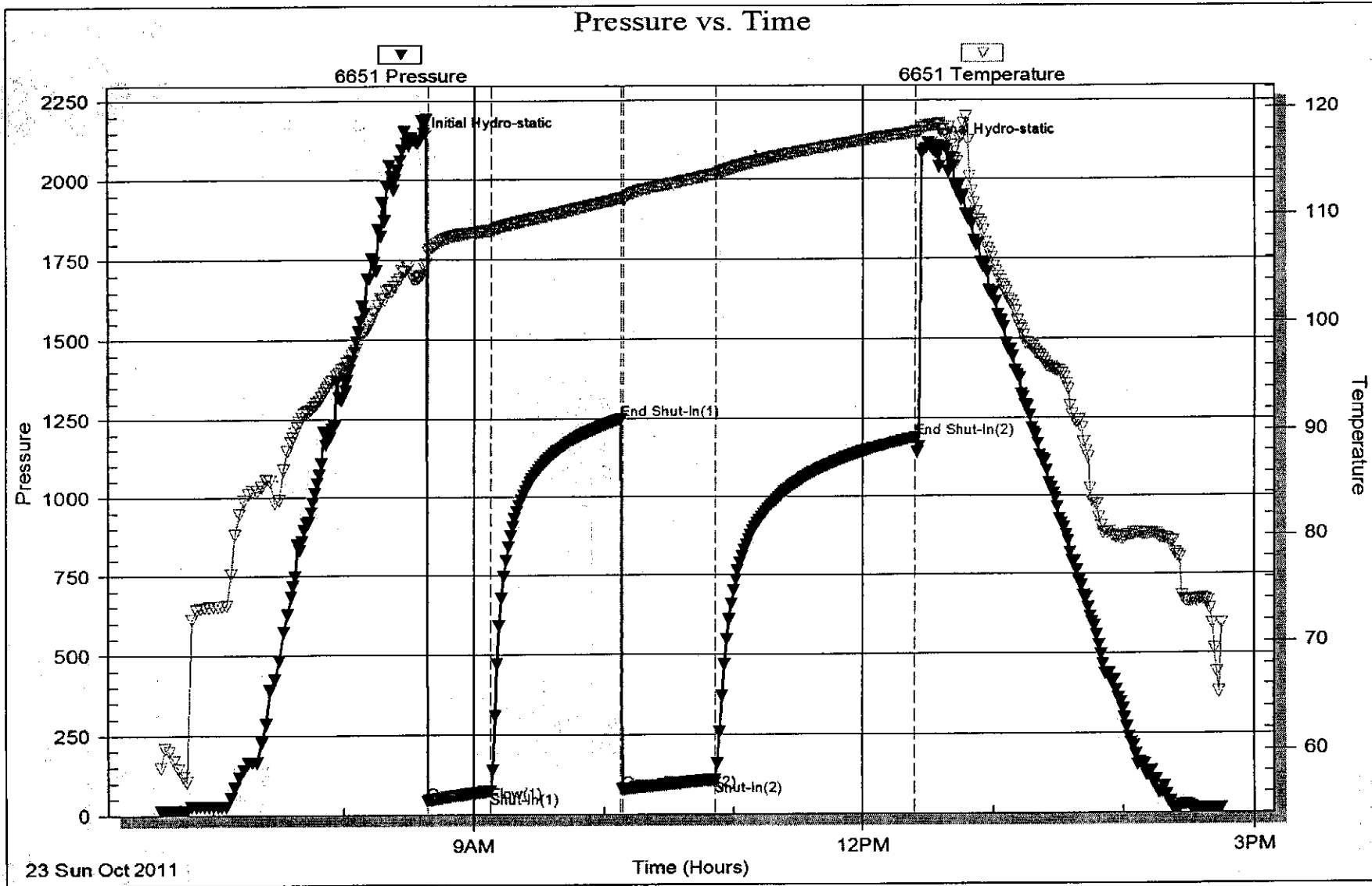
Laboratory Name:

Laboratory Location:

Recovery Comments:

icker

or



Serial #: 6749

Outside FG Holl Company LLC

32/22S/21W/Hodgeman

DST Test Number: 4

