

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs 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) (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	LEROY FARMING TRUST 2-30
Doc ID	1483137

All Electric Logs Run

BHCS
CDL/CNL/ML
DIL
Fracfinder
Microresistivity log
Directional Log

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	LEROY FARMING TRUST 2-30
Doc ID	1483137

Tops

Name	Top	Datum
Herrington	1756	+159
Winfield	1807	+108
Towanda	1872	+43
Fort Riley	1905	+10
B/Florence	2003	-88
Kinney Ls	2025	-110
Council Grove	2076	-161
Neva	2251	-336
Red Eagle	2310	-395
Stotler	2597	-682
Tarkio	2658	-743
Howard	2794	-879
Topeka	2870	-955
Queen Hill Shale	2964	-1049
King Hill Shale	3030	-1115
Heebner	3125	-1210
Toronto	3140	-1225
Douglas Shale	3156	-1241
Brown Lime	3207	-1292
Lansing	3220	-1305
Drum	3360	-1445
BKC	3446	-1531
Granite	3554	-1639
Wrefold	2055	-140

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	LEROY FARMING TRUST 2-30
Doc ID	1483137

Tops

Name	Top	Datum
RTD	3625	-1710
Reagan Sand	3535	-1620



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 18425 A

DATE _____ TICKET NO. _____

DATE OF JOB: 11-14-19 DISTRICT: _____		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.: _____								
CUSTOMER: FG Hall		LEASE: LEROY FARMING TRUST WELL NO: 280								
ADDRESS: _____		COUNTY: BARTON STATE: KS								
CITY: _____ STATE: _____		SERVICE CREW: _____								
AUTHORIZED BY: _____		JOB TYPE: 747 4 1/2 LONG STRING								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
21111111	1.5		2.0				11-13-19			1:00
						ARRIVED AT JOB				3:00
						START OPERATION				12:00
						FINISH OPERATION				11:30
						RELEASED				11:30
						MILES FROM STATION TO WELL				

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
IC 152	60111111	SK	75		
IC 115	11111111	SK	150		
CC 102	CEMENT	CB	30		
CC 105	C-411	CB	43		
CC 111	SALT	CB	150		
CC 152	C-77	CB	25		
CC 301	BES: C-11111111	CB	123		
CC 151	SUPER FLUSH	CB	50	1350	
ME 101	LIGHT VEHICLE MILEAGE	ME	65		
ME 102	HEAVY EQUIPMENT MILEAGE	ME	130		
FE 501	WATER CHARGE	FA	1		
CC 4	DEPT. CHARGE	CB	1		
CE 210	WELL RIG SERVICE	SK	285		
CE 501	CROWDING WEL RENTAL	FA	1		
F 1150	WATER TO FILL FLAT TIRE 1/4"	FA	1		
F 100	LAT. HOLE W. RIG W/FL. 4 1/2"	FA	1		
F 1100	LASKET W/	FA	1		
F 1150	WATER PER 400	FA	10		
F 100	CEMENT SCRATCHERS	FA	10		
CC 193	SERVICE SUPERVISOR	FA	1		
					SUB TOTAL
CHEMICAL / ACID DATA					
SERVICE & EQUIPMENT					% TAX ON \$
MATERIALS					% TAX ON \$
					TOTAL

SERVICE REPRESENTATIVE: _____

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____

FIELD SERVICE ORDER NO. _____

(WELL OWNER OPERATOR CONTRACTOR OF _____)

Customer EG HOLD	Lease No. E11111	Date 11-14-2019
Lease LEWIS FARMING TRUST	Well # 2-301	
Field Order # 18925	Station PRATT, KS	Casing 4 1/2"
Type Job 4 1/2" I.S.	Depth 3625'	County BARTON
	Formation	State KS
		Legal Description 30-19K-14W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2" x 10.5	Tubing Size 5 7/8" x 10.5	Shots/Ft PMT-150 SK	Acid AA2	Pre Pad @ 1.43 cuft	Rate	Press	ISIP	
Depth 3620	Depth	From	To	Pad	Max		5 Min.	
Volume 57.5 BBL	Volume	From	To	Frac	Min		10 Min.	
Max Press 1400	Max Press	From	To	Flush 57.3 BBL	Avg		15 Min.	
Well Connection P.L.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3620	Packer Depth	From	To		Gas Volume		Total Load	

Customer Representative BOB LONG	Station Manager J. WESTERMAN	Treater K. LESLEY
Service Units 916807 77686 96779 19959 19862		
Driver Names LESLEY MCGRAW	LARENCO (R.H.)	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5:00 PM	11-13-19				ON LOCATION - SAFETY MEETING
5:00 AM					RUN 100' ITS. 4 1/2" X
					TURBO - 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
					BASKET - BOTTOM OF # 3
7:00 AM					CSG. ON BOTTOM/BREAK CIRC. W/ RIG
9:10 AM	200		10	6	H2O AHEAD
9:11 AM	200		12	6	SUPER FLUSH
9:14 AM	200		5	6	H2O SPACER
9:21 AM	100		38	6	MIX 150 SKS AA2 @ 15.0 PPG
9:30 AM					SHUT DOWN - CLEAR LINES - DROP PLUG
9:40 AM	0		0	5	START DISPLACEMENT
9:46 AM	150		39	4	LIFT PRESSURE
9:47 AM	500		45	3	SLOW RATE
10:50 AM	1200		57	2	PLUG DOWN - HELD
					CIRC. THRU WBS
			7.5	2	PLUG R.H. & M.H.
					JOB COMPLETE,
					THANKS -
					KEVIN LESLEY

Mud-Co / Service Mud Inc.

Operator FG Holl **County** Barton **State** Kansas **Pump** 6 X 15 X 60 SPM **Casing Program** 8 5/8" @ 844'
Well Leroy Farming Trust #2-30 **Location** **Sec** 30 **TWP** 19S **RNG** 14W **D.P.** 4.5 in. **GPM** 8,76 BPM **"** @ **"** ft.
Contractor Duke Drilling **Date** 11/4/2019 **Engineer** Jason Whiting **Collar** 6.25 in. **ft.** 450 **PSI** 354 FT/MIN R.A. **"** @ **"** ft.
Stockpoint Hays, Kansas **Total Depth** 844' ft.

DATE	DEPTH	WEIGHT	VISCOSITY	GELS	pH	FILTRATION	IRRADIATION ANALYSIS	CI	Ca	SAND	RETORT	L.C.M.	Pump	CUMULATIVE	REMARKS AND TREATMENT
	feet	lb/gal	Sec API @ F @ F	PV @ F Yp	10 sec/ 10 min.	Shp. Meter API	ml Cake 32nds Pres. #BBL	ppm	ppm	% Solids % Oil % Water %		Press PSI	COST		
11/1	0			W	Make up Water	T	E	R						0	RURT
11/5	844														NOC
11/6	1798	8.8	42	9	10/22	8.5	12.8	2	24M	1,120	2.2				Displaced w/ Starch @ 1685'. Drig. Displaced w/ Chemical @ short Trip. 2602'. OH w/ DST #1 @ 3277'. DST #2 @ 3290'. Drig. DST #3 @ 3380'. SFS DST #4 @ 3400'. OH ft/logs DST #5 @ 3541'. Logs hit bridge at approx. 3210' TIH to condition hole. Logs went well second attempt.
11/7	2604	8.6	52	16	9/27	11.0	7.6	1	2,800	20	2.1				INAL: Ran 5 DST's. Logged. Ran 4 1/2 csg
11/8	3207	9.2	50	15	8/29	10.5	8.0	1	4,700	40	6.2				
11/9	3277	9.3	49	16	8/31	10.5	8.0	1	5,400	20	6.8				
11/10	3380	9.3	51	16	8/33	10.0	8.0	1	8,100	20	6.7				
11/11	3478	9.2	51	16	8/31	10.5	7.6	1	6,700	20	6.1				Reserve Pit, Chl content ppm: 71,000 Estimated Volume: 700 bbls
11/12	3551	9.1	51	17	9/34	10.5	7.2	1	6,200	20	5.4				
11/13	3625	9.3	55	17	8/38	10.5	8.4	1	5,900	10	6.8				
11/14	3625														

MUD-CO / SERVICE MUD INC.

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

Materials	Sacks	Amount
C/S HULLS	33	
CAUSTIC SODA	14	
DESCO	2	
DRILL PAK	6	
LIME	2	
MIL-GUARD	1	
PREMIUM GEL	312	
SALT CLAY	10	
SODA ASH	22	
STARCH	49	

Materials	Sacks	Amount	Amount
SUPER LIG	11	292.60	
Total Mud Cost			
Trucking Cost			
Trucking Surcharge			
Taxes			
TOTAL COST			

247746



PAGE 1 of 1	CUST NO 1001376	YARD # 1718	INVOICE DATE 11/15/2019
INVOICE NUMBER 93088888			

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

J LEASE NAME Leroy Farming Trust 2-30
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41195486	86779		Net - 30 days	12/15/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 11/14/2019 to 11/14/2019				
0041195486				
171818425A Cement-New Well Casing/Pi 11/14/2019 Cement Longstring				
60/40 Poz	75.00	SK	14.31	1,073.25 T
AA2 Premium Cement	150.00	SK	10.07	1,510.50 T
Celloflake	38.00	LB	2.12	80.56 T
C-41P	43.00	LB	2.12	91.16 T
Salt	654.00	LB	0.27	173.31 T
C-17	85.00	LB	12.72	1,081.20 T
BES: C-MagChem 10 CR	423.00	LB	1.59	672.57
Gilsonite	1,864.00	LB	0.53	987.92 T
Super Flush	500.00	GAL	1.33	662.50 T
Light Vehicle Mileage	65.00	MI	2.65	172.25
Heavy Equipment Mileage	130.00	MI	4.24	551.20
Plug Container Utilization Charge	1.00	EA	132.50	132.50
Depth Charge, 3001-4000'	1.00	HR	1,166.00	1,166.00
Blending & Mixing Service Charge	225.00	SK	0.74	166.95
Casing Swivel Rental	1.00	EA	106.00	106.00
Auto Fill Float Shoe 4 1/2" (Blue)	1.00	EA	174.90	174.90
Latch Down Plug & Baffle, 4 1/2" (Blue)	1.00	EA	196.10	196.10
4 1/2" Basket (Blue)	1.00	EA	143.10	143.10
Turbolizer, 4 1/2" (Blue)	10.00	EA	45.05	450.50
Cement Scratchers Rotating Type	60.00	EA	26.50	1,590.00
Service Supervisor Charge	1.00	EA	75.00	75.00
Driver Charge	3.00	EA	35.00	105.00

NOV 21 2019
 ROB LONG

FAIT
 DEC 23 2019
 BY: 81453

405-1050 CEMENT 4-1/2" PROD CSG

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	11,362.47
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	424.53
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	11,787.00
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



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 18425 A

TMH-600

DATE _____ TICKET NO. _____

DATE OF JOB: 11-14-2019		DISTRICT		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD. <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER: FGI HOLL		LEASE: CEROY FARMING TRUST		WELL NO. 2-30						
ADDRESS		COUNTY: BARTON		STATE: KS						
CITY		STATE		SERVICE CREW: LESLEY, McBRAW, CLARENCE (R.H.)						
AUTHORIZED BY		JOB TYPE: 242 - 4 1/2" LONG STRING								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
71686/86779	1.5						11-13-19			4:00
19959/19862	1.5									5:00
										9:00
										10:30
										11:30
MILES FROM STATION TO WELL										

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
BC 132	60/40 POZ	SK	75		2,025.00
BC 145	AA2 PREMIUM CEMENT	SK	150		2,850.00
CC 102	CELL FLAKE	LB	38		152.00
CC 105	C-41P	LB	43		172.00
CC 111	SALT	LB	1054		372.00
CC 187	C-17	LB	85		2,040.00
CC 201	BES:C-MAGCHEM 10CR	LB	423		1,269.00
CC 154	SUPER FLUSH	GAL	500	1,250.00	625,000.00
ME 101	LIGHT VEHICLE MILEAGE	MI	65		325.00
ME 102	HEAVY EQUIPMENT MILEAGE	MI	130		1,040.00
CE 504	PLUG CONTAINER CHARGE	EA	1		250.00
CC 4	DEPTH CHARGE, 3001'-4000'	HR	1		2,200.00
CE 240	BLEND & MIX SERVICE	SK	225		315.00
CE 501	CASING SWIVEL RENTAL	EA	1		200.00
CF 1250	AUTO FILL FLOAT SHOE 4 1/2"	EA	1		330.00
CF 606	CATCH DOWN PLUG & BAFFLE, 4 1/2"	EA	1		370.00
CF 1900	BASKET, 4 1/2"	EA	1		270.00
CF 11650	TURBOLIZER, 4 1/2"	EA	10		850.00
CF 2002	CEMENT SCRATCHERS - ROTATING	EA	60		3,000.00
BE 193	SERVICE SUPERVISOR	EA	1	750.00	750.00
BE 144	CHEMICAL / ACID DATA CHARGE	EA	3	105.00	315.00
MC 301	SILICATE				
				SUB TOTAL	21,279.00
				SERVICE & EQUIPMENT	% TAX ON \$
				MATERIALS	% TAX ON \$
				TOTAL	11,362.42

SERVICE REPRESENTATIVE: <i>[Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
FIELD SERVICE ORDER NO. _____	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

247420



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1001376	1718	11/06/2019
INVOICE NUMBER			
93082786			

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

J LEASE NAME Leroy Farming Trust 2-30
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41194825	27463		Net - 30 days	12/06/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 11/05/2019 to 11/05/2019</i>				
0041194825				
171818491A Cement-New Well Casing/Pi 11/05/2019 Cement Surface				
A-Con Blend	175.00	EA	19.50	3,412.50 T
Class A Cement	175.00	SK	12.09	2,115.75 T
Celloflake	88.00	LB	1.56	137.28 T
Calcium Chloride	825.00	LB	0.39	321.75 T
Light Vehicle Mileage	65.00	MI	1.95	126.75
Heavy Equipment Mileage	130.00	MI	3.12	405.60
Plug Container Utilization Charge	1.00	EA	97.50	97.50
Depth Charge, 0'-1000'	1.00	HR	468.00	468.00
Blending & Mixing Service Charge	350.00	SK	0.55	191.10
Top Rubber Cement Plug, 8 5/8"	1.00	EA	87.75	87.75
Baffle Plate Aluminum, 8 5/8" (Blue)	1.00	EA	66.30	66.30
Centralizer 8 5/8 x 12 1/4	3.00	EA	56.55	169.65
Service Supervisor Charge	1.00	EA	75.00	75.00
Driver Charge	3.00	EA	35.00	105.00

NOV 11 2019
 ROB LONG

FAI
 DEC 10 2019
 BY: 81778

405-1050 CEMENT 8-5/8" SURF CSG

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	7,779.93
BASIC ENERGY SERVICES,LP	BASIC ENERGY SERVICES,LP	TAX	449.05
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	8,228.98
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



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 18491 A

DATE _____ TICKET NO. 18491

DATE OF JOB <u>11-5-2019</u>	DISTRICT <u>Pratt, KS 1718</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>FB Hill Co LLC</u>	LEASE <u>Leroy Farming Trust</u>	WELL NO. <u>230</u>					
ADDRESS	COUNTY <u>Barton</u>	STATE <u>KS.</u>					
CITY	STATE	SERVICE CREW <u>Carl B Pon 6 Charge 6</u>					
AUTHORIZED BY	JOB TYPE: <u>Surface 2-42</u>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>11-4-19</u>	DATE <u>11-4-19</u> AM/PM <u>9:15</u> TIME
<u>27463</u>	<u>1</u>					ARRIVED AT JOB <u>11-4-19</u>	AM/PM <u>11:00</u>
<u>19960-21010</u>	<u>.75</u>					START OPERATION <u>11-5-19</u>	AM/PM <u>1:30</u>
						FINISH OPERATION	AM/PM <u>2:20</u>
						RELEASED	AM/PM <u>3:00</u>
						MILES FROM STATION TO WELL <u>65</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: Dean Vasquez
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
BE 118	A-CON Blend	SX	175		8750 -
BE 100	Class A Cement	SX	175		5425 -
CE 102	Calciflake	lb	88		352 -
CE 109	Calcium chloride	lb	825		825 -
ME 101	Light Vehicle Mileage	mi	65		325 -
ME 102	Heavy Equipment Mileage	mi	130		1040 -
CE 504	Plug Continuity Utilization Charge	ea	1		250 -
CC 1	Depth Charge 0-1000'	HR	1		1200 -
CE 240	Blending & Mixing Service Charge	SX	350		490 -
CF 105	8 5/8 Ton Rubber Plug	ea	1		225 -
CF 753	Baffle Plate Aluminum	ea	1		170 -
CF 1773	Centralizers	ea	3		435 -
BE 143	Service Supervisor Charge	ea	1		75 -
BE 144	Driver Charge	ea	3		105 -

SUB TOTAL 19,667

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<u>19,667</u>

SERVICE REPRESENTATIVE <u>Carl B. Pon</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Dean Vasquez</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO.	



DRILL STEM TEST REPORT

Prepared For: **F G Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Renee Husted

Leroy Farm #2-30

30-19s-14w Barton

Start Date: 2019.11.09 @ 01:08:00

End Date: 2019.11.09 @ 08:46:00

Job Ticket #: 01388 DST #: 1

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2019.11.09 @ 22:18:44



DRILL STEM TEST REPORT

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

ATTN: Renee Husted

Job Ticket: 01388

DST#: 1

Test Start: 2019.11.09 @ 01:08:00

GENERAL INFORMATION:

Formation: **Kansas City"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:03:00

Time Test Ended: 08:46:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 1

Interval: 3208.00 ft (KB) To 3277.00 ft (KB) (TVD)

Reference Elevations: 1915.00 ft (KB)

Total Depth: 3277.00 ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 9119

Inside

Press@RunDepth: 1012.19 psig @ 3271.86 ft (KB)

Capacity: 5000.00 psig

Start Date: 2019.11.09

End Date: 2019.11.09

Last Calib.: 2019.11.09

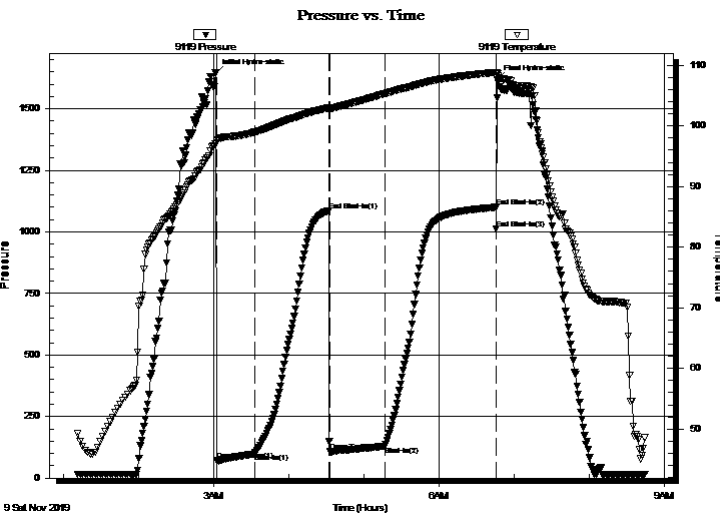
Start Time: 01:11:00

End Time: 08:44:30

Time On Btm: 2019.11.09 @ 03:01:00

Time Off Btm: 2019.11.09 @ 06:46:30

TEST COMMENT: 1st Opening 30 Minutes fair blow built to the bottom of the bucket in 6 minutes
1st Shut-In 60 Minutes no blow back
2nd Opening 45 Minutes built to the bottom of the bucket in 2 minutes
2nd Shut-In 90 Minutes good blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.73	97.01	Initial Hydro-static
1	71.19	97.46	Open To Flow (1)
32	99.38	98.98	Shut-In(1)
91	1086.58	103.01	End Shut-In(1)
92	107.77	102.82	Open To Flow (2)
136	130.01	105.34	Shut-In(2)
224	1099.98	108.84	End Shut-In(2)
225	1012.19	108.80	End Shut-In(3)
226	1618.36	108.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1100 feet of gas in the pipe	0.00
15.00	Oil cut mud 80% Mud 20% Oil	0.21
60.00	Muddy oil 60% Mud 40 % Oil	0.84
60.00	Muddy Oil 30% Mud 70% Oil	0.84

Gas Rates

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



DRILL STEM TEST REPORT

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

ATTN: Renee Hustead

Job Ticket: 01388

DST#: 1

Test Start: 2019.11.09 @ 01:08:00

GENERAL INFORMATION:

Formation: **Kansas City"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:03:00

Time Test Ended: 08:46:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 1

Interval: 3208.00 ft (KB) To 3277.00 ft (KB) (TVD)

Reference Elevations: 1915.00 ft (KB)

Total Depth: 3277.00 ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 9139 Outside

Press@RunDepth: 1105.72 psig @ 3271.86 ft (KB)

Capacity: 5000.00 psig

Start Date: 2019.11.09

End Date: 2019.11.09

Last Calib.: 2019.11.09

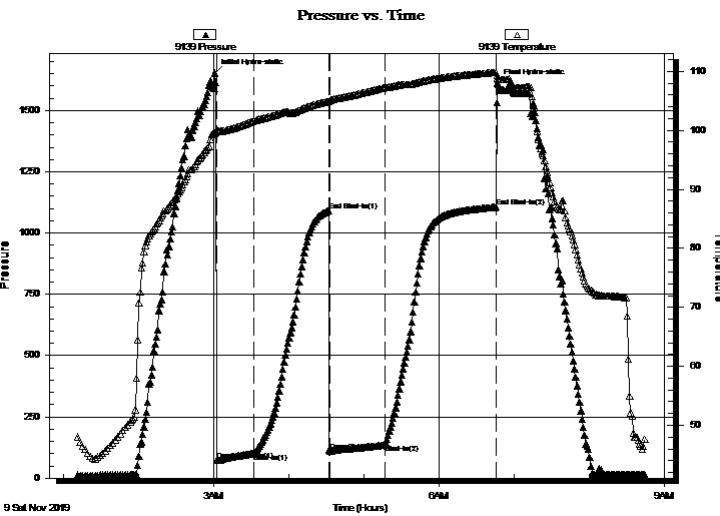
Start Time: 01:11:00

End Time: 08:44:30

Time On Btm: 2019.11.09 @ 03:00:30

Time Off Btm: 2019.11.09 @ 06:46:30

TEST COMMENT: 1st Opening 30 Minutes fair blow built to the bottom of the bucket in 6 minutes
1st Shut-In 60 Minutes no blow back
2nd Opening 45 Minutes built to the bottom of the bucket in 2 minutes
2nd Shut-In 90 Minutes good blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.07	99.56	Initial Hydro-static
2	73.53	99.79	Open To Flow (1)
32	101.04	101.59	Shut-In(1)
91	1091.02	104.91	End Shut-In(1)
92	108.69	105.04	Open To Flow (2)
136	137.64	107.24	Shut-In(2)
225	1105.72	109.83	End Shut-In(2)
226	1609.83	108.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1100 feet of gas in the pipe	0.00
15.00	Oil cut mud 80% Mud 20% Oil	0.21
60.00	Muddy oil 60% Mud 40 % Oil	0.84
60.00	Muddy Oil 30% Mud 70% Oil	0.84

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

Job Ticket: 01388

DST#: 1

ATTN: Renee Husted

Test Start: 2019.11.09 @ 01:08:00

Tool Information

Drill Pipe:	Length: 3188.00 ft	Diameter: 3.80 inches	Volume: 44.72 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: 56000.00 lb
			<u>Total Volume: 44.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3208.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.86 ft			
Tool Length:	98.86 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			3183.00	
Hydraulic tool	5.00			3188.00	
Jars	5.00			3193.00	
Safety Joint	5.00			3198.00	
Packer	5.00			3203.00	30.00 Bottom Of Top Packer
Packer	5.00		Fluid	3208.00	
Anchor	5.00			3213.00	
Change Over Sub	0.75			3213.75	
Drill Pipe	31.36			3245.11	
Change Over Sub	0.75		Inside	3245.86	
Anchor	26.00			3271.86	
Recorder	0.00	9119	Inside	3271.86	
Recorder	0.00	9139	Outside	3271.86	
Bullnose	5.00			3276.86	68.86 Bottom Packers & Anchor

Total Tool Length: 98.86



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

Job Ticket: 01388

DST#: 1

ATTN: Renee Husted

Test Start: 2019.11.09 @ 01:08:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.99 in³
Resistivity: ohm.m
Salinity: 4700.00 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
0.00	1100 feet of gas in the pipe	0.000
15.00	Oil cut mud 80% Mud 20% Oil	0.210
60.00	Muddy oil 60% Mud 40 % Oil	0.842
60.00	Muddy Oil 30% Mud 70% Oil	0.842

Total Length: 135.00 ft Total Volume: 1.894 bbl

Num Fluid Samples: 0

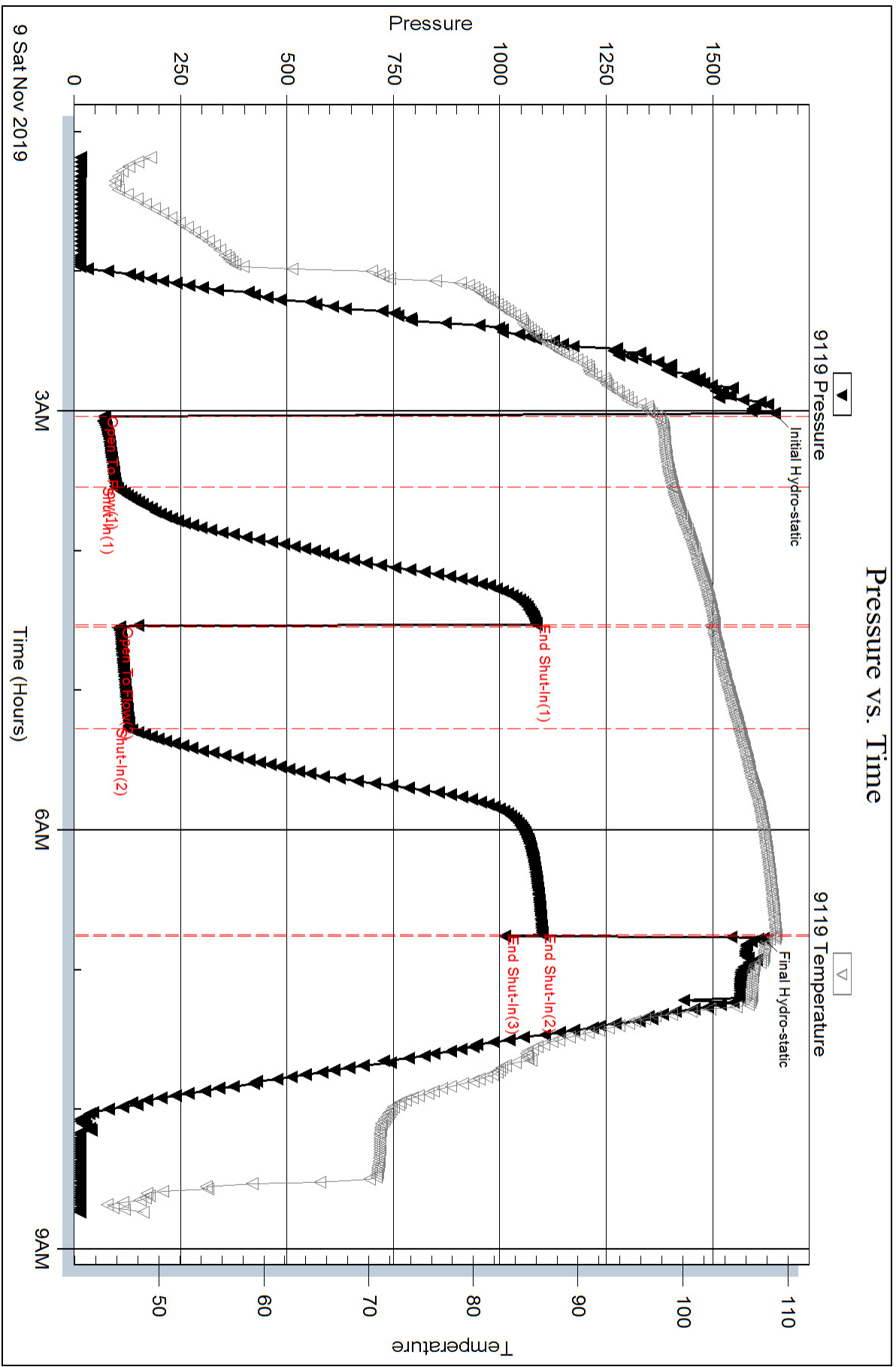
Num Gas Bombs: 0

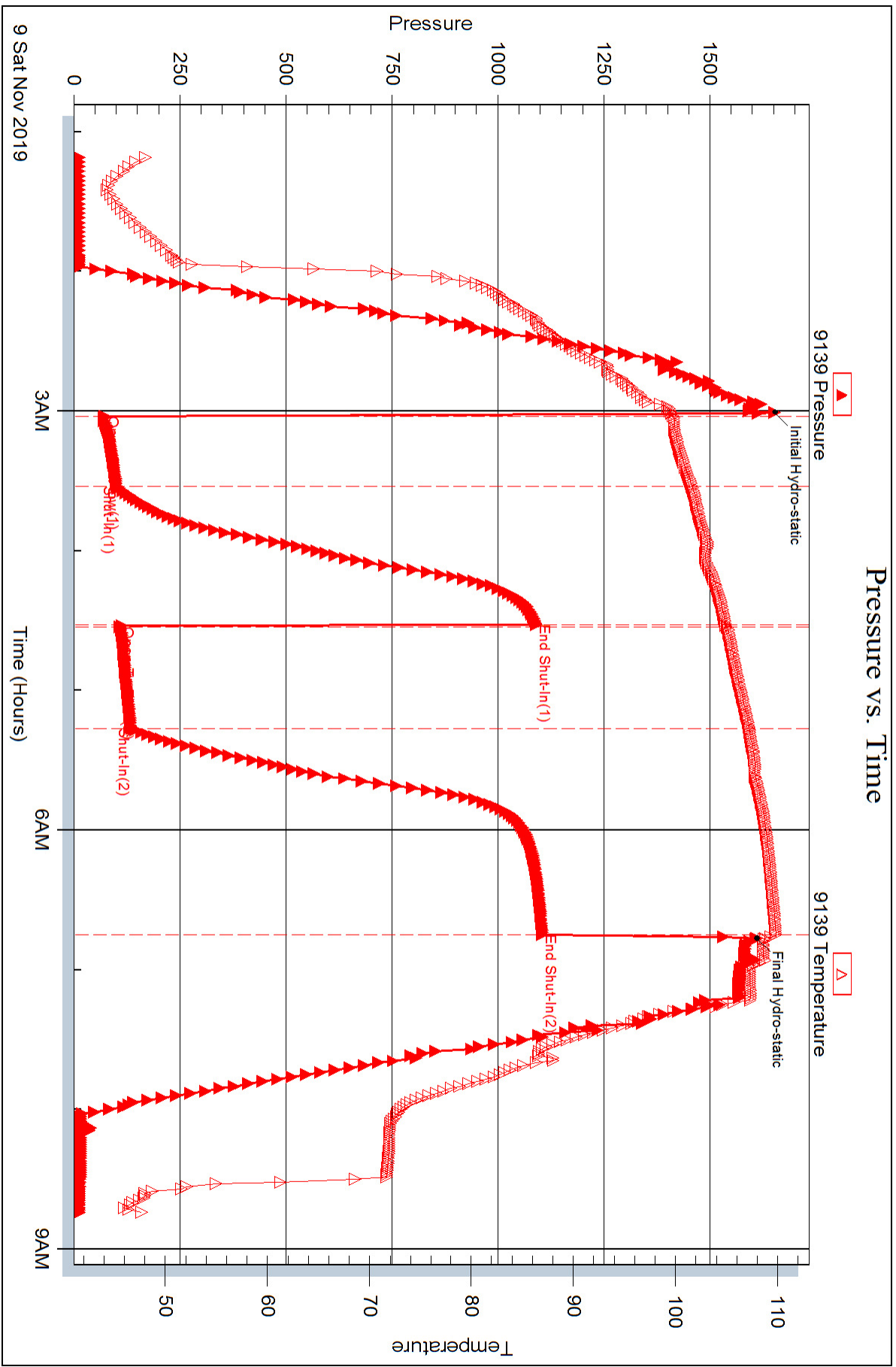
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Renee Husted

Leroy Farm #2-30

30-19s-14w Barton

Start Date: 2019.11.09 @ 15:32:00

End Date: 2019.11.09 @ 22:00:00

Job Ticket #: 01389 DST #: 2

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2019.11.09 @ 22:16:08



DRILL STEM TEST REPORT

F G Holl Company LLC
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Renee Husted

30-19s-14w Barton
Leroy Farm #2-30
 Job Ticket: 01389 **DST#:2**
 Test Start: 2019.11.09 @ 15:32:00

GENERAL INFORMATION:

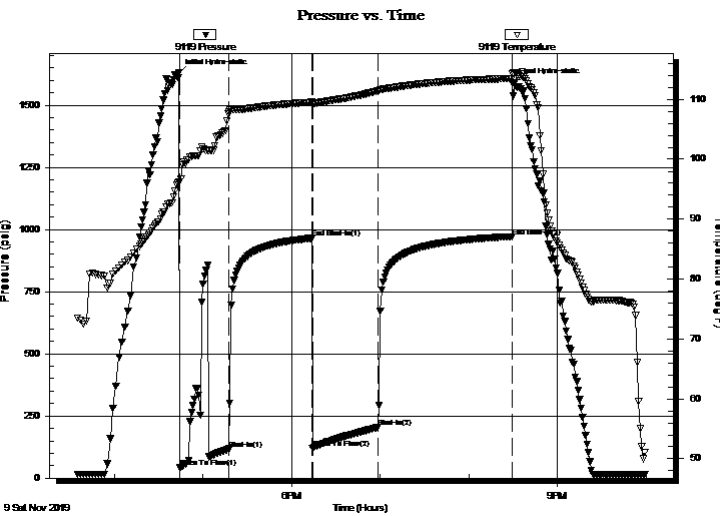
Formation: **Kansas City "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:44:00
 Time Test Ended: 22:00:00
 Interval: **3278.00 ft (KB) To 3290.00 ft (KB) (TVD)**
 Total Depth: 3290.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 1
 Reference Elevations: 1915.00 ft (KB)
 1907.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 9119

Inside

Press@RunDepth: 971.63 psig @ 3285.00 ft (KB) Capacity: psig
 Start Date: 2019.11.09 End Date: 2019.11.09 Last Calib.: 1899.12.30
 Start Time: 15:32:00 End Time: 21:59:29 Time On Btm: 2019.11.09 @ 16:43:30
 Time Off Btm: 2019.11.09 @ 20:29:30

TEST COMMENT: 1st Opening 30 Minutes weak building blow built to the bottom of the bucket in 12 minutes
 1st Shut-In 60 Minutes no blow back
 2nd Opening 45 built to the bottom of the bucket in 29 minutes
 2nd Shut-In 90 Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.05	96.24	Initial Hydro-static
1	42.10	96.25	Open To Flow (1)
34	117.58	107.97	Shut-In(1)
90	965.19	109.52	End Shut-In(1)
91	120.92	109.26	Open To Flow (2)
135	204.93	111.43	Shut-In(2)
226	971.63	113.46	End Shut-In(2)
226	1589.06	114.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
425.00	Water Chlorides 58000	5.96

Gas Rates

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



DRILL STEM TEST REPORT

F G Holl Company LLC
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Renee Husted

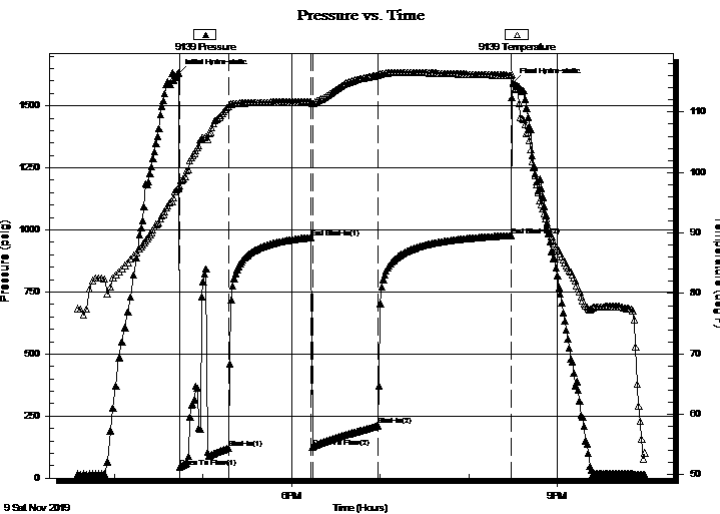
30-19s-14w Barton
Leroy Farm #2-30
 Job Ticket: 01389 **DST#: 2**
 Test Start: 2019.11.09 @ 15:32:00

GENERAL INFORMATION:

Formation: **Kansas City "G"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 16:44:00 Tester: Gene Budig
 Time Test Ended: 22:00:00 Unit No: 1
 Interval: **3278.00 ft (KB) To 3290.00 ft (KB) (TVD)** Reference Elevations: 1915.00 ft (KB)
 Total Depth: 3290.00 ft (KB) (TVD) 1907.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 9139 Outside
 Press@RunDepth: 977.63 psig @ 3285.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2019.11.09 End Date: 2019.11.09 Last Calib.: 2019.11.09
 Start Time: 15:32:00 End Time: 21:59:29 Time On Btm: 2019.11.09 @ 16:43:30
 Time Off Btm: 2019.11.09 @ 20:30:00

TEST COMMENT: 1st Opening 30 Minutes weak building blow built to the bottom of the bucket in 12 minutes
 1st Shut-In 60 Minutes no blow back
 2nd Opening 45 built to the bottom of the bucket in 29 minutes
 2nd Shut-In 90 Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1631.70	97.55	Initial Hydro-static
1	45.12	97.83	Open To Flow (1)
34	121.23	110.94	Shut-In(1)
90	969.69	111.69	End Shut-In(1)
91	126.33	111.37	Open To Flow (2)
135	211.56	116.09	Shut-In(2)
225	977.63	116.07	End Shut-In(2)
227	1595.07	114.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
425.00	Water Chlorides 58000	5.96

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

Job Ticket: 01389

DST#: 2

ATTN: Renee Husted

Test Start: 2019.11.09 @ 15:32:00

Tool Information

Drill Pipe:	Length: 3251.00 ft	Diameter: 3.80 inches	Volume: 45.60 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 45.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3278.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3253.00	
Hydraulic tool	5.00			3258.00	
Jars	5.00			3263.00	
Safety Joint	5.00			3268.00	
Packer	5.00			3273.00	30.00 Bottom Of Top Packer
Packer	5.00		Fluid	3278.00	
Anchor	7.00			3285.00	
Recorder	0.00	9119	Inside	3285.00	
Recorder	0.00	9139	Outside	3285.00	
Bullnose	5.00			3290.00	12.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

Job Ticket: 01389

DST#: 2

ATTN: Renee Husted

Test Start: 2019.11.09 @ 15:32:00

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: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4700.00 ppm

Filter Cake: 0.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
425.00	Water Chlorides 58000	5.962

Total Length: 425.00 ft Total Volume: 5.962 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

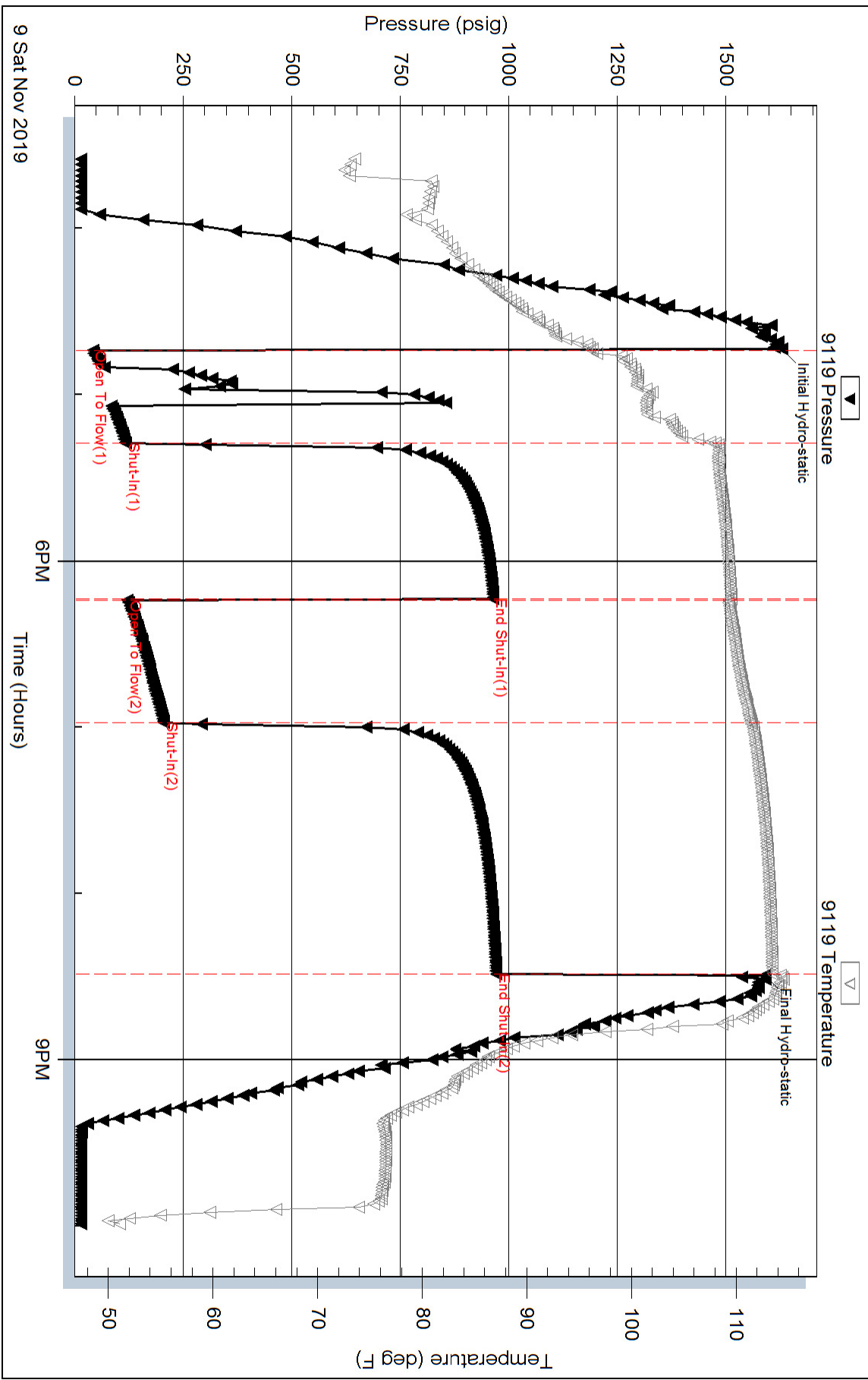
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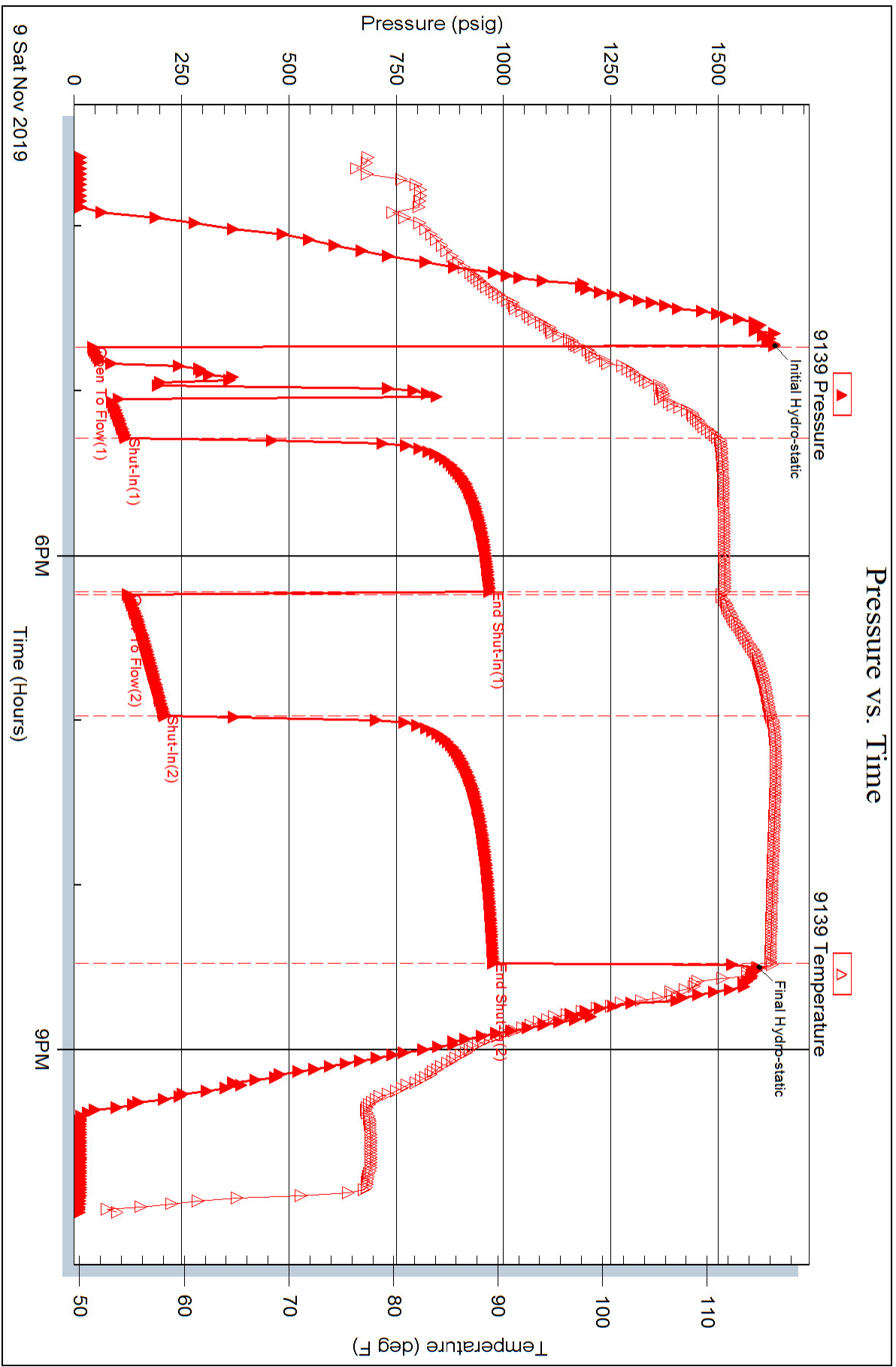
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Renee Husted

Leroy Farm #2-30

30-19s-14w Barton

Start Date: 2019.11.10 @ 06:45:00

End Date: 2019.11.10 @ 11:42:00

Job Ticket #: 01390 DST #: 3

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2019.11.10 @ 11:44:12



DRILL STEM TEST REPORT

F G Holl Company LLC
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Renee Hustead

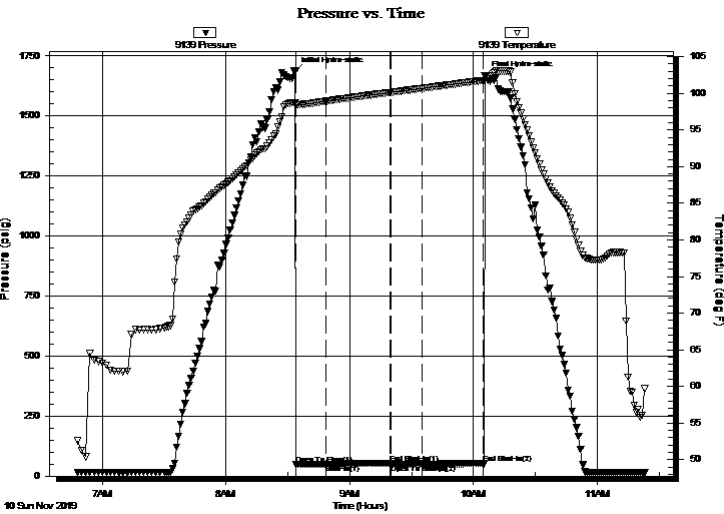
30-19s-14w Barton
Leroy Farm #2-30
 Job Ticket: 01390 **DST#: 3**
 Test Start: 2019.11.10 @ 06:45:00

GENERAL INFORMATION:

Formation: **Kansas City "H & I"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:34:00
 Time Test Ended: 11:42:00
 Interval: **3346.00 ft (KB) To 3380.00 ft (KB) (TVD)**
 Total Depth: 3380.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Biudig
 Unit No: 1
 Reference Elevations: 1915.00 ft (KB)
 1907.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 9139 Outside
 Press@RunDepth: 52.85 psig @ 3375.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2019.11.10 End Date: 2019.11.10 Last Calib.: 2019.11.10
 Start Time: 06:45:00 End Time: 11:23:30 Time On Btm: 2019.11.10 @ 08:33:30
 Time Off Btm: 2019.11.10 @ 10:05:30

TEST COMMENT: 1st Opening 15 Weak blow for 6minutes and died
 1st Shut-In 30 Minutes
 2nd Opening 15 Minutes no blow
 2nd Shut-In 30 Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1684.05	98.75	Initial Hydro-static
1	49.01	98.40	Open To Flow (1)
15	49.96	98.94	Shut-In(1)
46	54.34	100.11	End Shut-In(1)
47	49.71	100.13	Open To Flow (2)
62	49.63	100.68	Shut-In(2)
91	52.85	101.77	End Shut-In(2)
92	1669.55	102.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.07

Gas Rates

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



DRILL STEM TEST REPORT

F G Holl Company LLC
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Renee Hustead

30-19s-14w Barton
Leroy Farm #2-30
 Job Ticket: 01390 **DST#: 3**
 Test Start: 2019.11.10 @ 06:45:00

GENERAL INFORMATION:

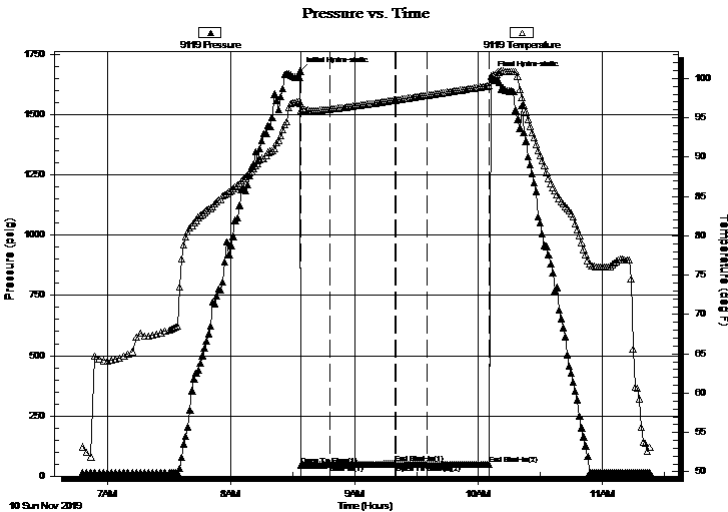
Formation: **Kansas City "H & I"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:34:00
 Time Test Ended: 11:42:00
 Interval: **3346.00 ft (KB) To 3380.00 ft (KB) (TVD)**
 Total Depth: 3380.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Biudig
 Unit No: 1
 Reference Elevations: 1915.00 ft (KB)
 1907.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 9119

Press@RunDepth: 49.44 psig @ ft (KB) Capacity: psig
 Start Date: 2019.11.10 End Date: 2019.11.10 Last Calib.: 1899.12.30
 Start Time: 06:45:00 End Time: 11:23:30 Time On Btm: 2019.11.10 @ 08:33:30
 Time Off Btm: 2019.11.10 @ 10:06:00

TEST COMMENT: 1st Opening 15 Weak blow for 6minutes and died
 1st Shut-In 30 Minutes
 2nd Opening 15 Minutes no blow
 2nd Shut-In 30 Minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1680.84	96.76	Initial Hydro-static
1	46.68	95.87	Open To Flow (1)
15	47.55	96.11	Shut-In(1)
46	51.38	97.25	End Shut-In(1)
47	47.54	97.26	Open To Flow (2)
62	47.67	97.86	Shut-In(2)
92	49.44	99.05	End Shut-In(2)
93	1660.71	100.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.07

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

Job Ticket: 01390

DST#: 3

ATTN: Renee Husted

Test Start: 2019.11.10 @ 06:45:00

Tool Information

Drill Pipe:	Length: 3343.00 ft	Diameter: 3.80 inches	Volume: 46.89 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: 58000.00 lb
			<u>Total Volume: 46.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3346.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3321.00	
Hydraulic tool	5.00			3326.00	
Jars	5.00			3331.00	
Safety Joint	5.00			3336.00	
Packer	5.00			3341.00	30.00 Bottom Of Top Packer
Packer	5.00		Fluid	3346.00	
Anchor	5.00			3351.00	
Recorder	0.00	9119	Inside	3351.00	
Recorder	24.00	9139	Outside	3375.00	
Bullnose	5.00			3380.00	34.00 Bottom Packers & Anchor
Total Tool Length:	64.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

Job Ticket: 01390

DST#: 3

ATTN: Renee Husted

Test Start: 2019.11.10 @ 06:45:00

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:

bbbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

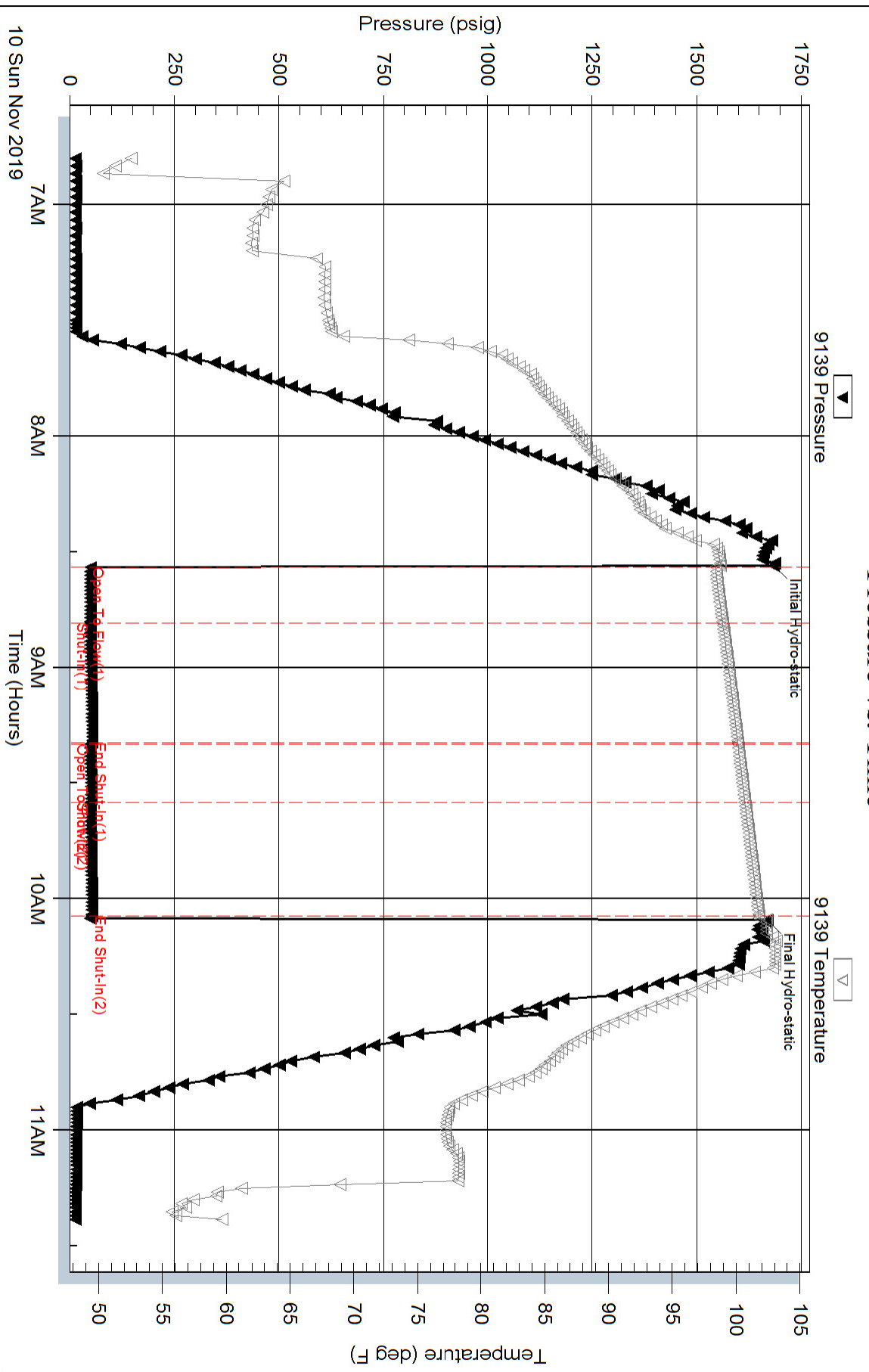
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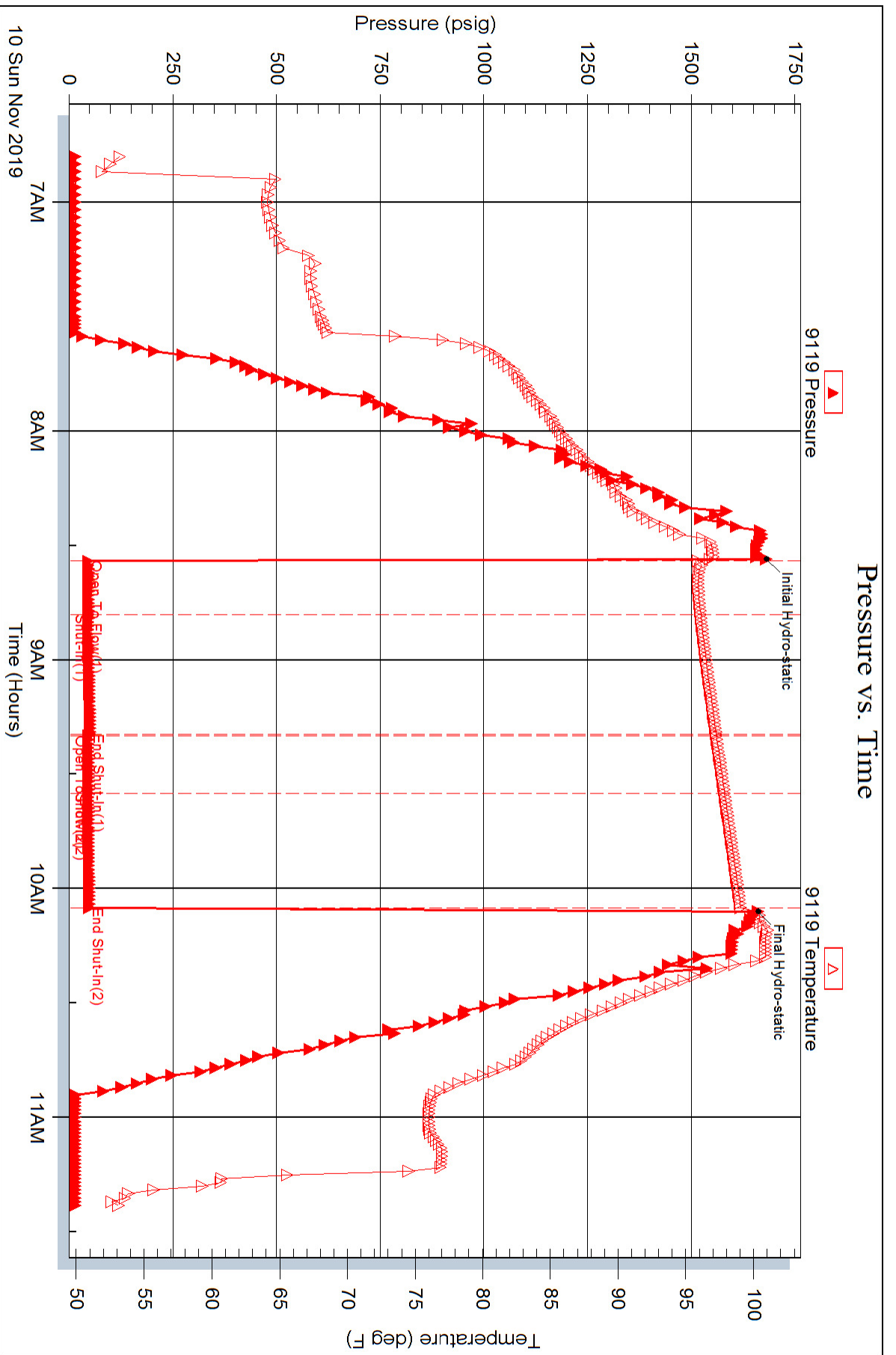
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Renee Husted

Leroy Farm #2-30

30-19s-14w Barton

Start Date: 2019.11.10 @ 17:54:00

End Date: 2019.11.10 @ 22:18:00

Job Ticket #: 01391 DST #: 4

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2019.11.10 @ 22:35:30



DRILL STEM TEST REPORT

F G Holl Company LLC
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Renee Hustead

30-19s-14w Barton
Leroy Farm #2-30
 Job Ticket: 01391 **DST#: 4**
 Test Start: 2019.11.10 @ 17:54:00

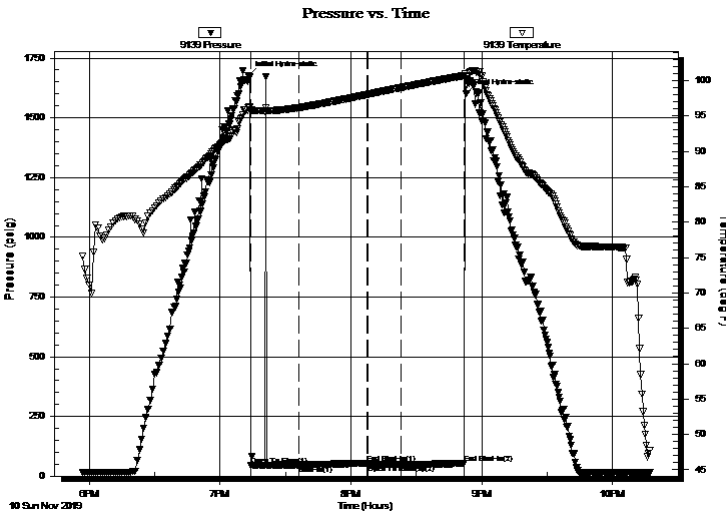
GENERAL INFORMATION:

Formation: **Kansas City J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 19:24:00 Tester: Gene Budig
 Time Test Ended: 22:18:00 Unit No:
 Interval: **3374.00 ft (KB) To 3400.00 ft (KB) (TVD)** Reference Elevations: 1915.00 ft (KB)
 Total Depth: 3400.00 ft (KB) (TVD) 1907.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 9139 Outside
 Press@RunDepth: 52.70 psig @ 3395.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2019.11.10 End Date: 2019.11.10 Last Calib.: 2019.11.10
 Start Time: 17:54:00 End Time: 22:17:00 Time On Btm: 2019.11.10 @ 19:13:00
 Time Off Btm: 2019.11.10 @ 20:53:00

TEST COMMENT: 1st Opew nig 15 Minutes weak blow for 4 minutes and died
 1st Shut-In 30 Minutes
 2nd Opening 15 Minutes no blow
 2nd Shut-In 30 Minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1677.87	96.16	Initial Hydro-static
1	44.87	95.84	Open To Flow (1)
23	46.86	96.15	Shut-In(1)
55	53.55	98.01	End Shut-In(1)
55	47.52	98.04	Open To Flow (2)
70	47.69	98.99	Shut-In(2)
99	52.70	100.69	End Shut-In(2)
100	1601.48	100.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.07

Gas Rates

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



DRILL STEM TEST REPORT

F G Holl Company LLC
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Renee Hustead

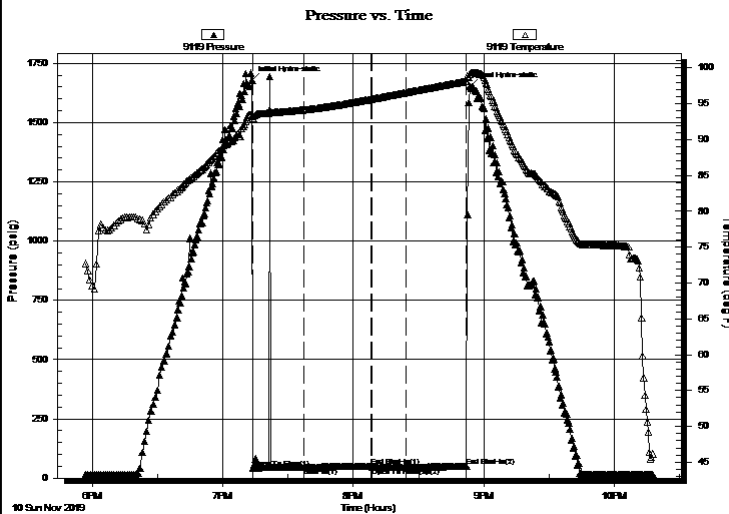
30-19s-14w Barton
Leroy Farm #2-30
 Job Ticket: 01391 **DST#: 4**
 Test Start: 2019.11.10 @ 17:54:00

GENERAL INFORMATION:

Formation: **Kansas City J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:24:00
 Time Test Ended: 22:18:00
 Interval: **3374.00 ft (KB) To 3400.00 ft (KB) (TVD)**
 Total Depth: 3400.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No:
 Reference Elevations: 1915.00 ft (KB)
 1907.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 9119 Inside
 Press@RunDepth: 49.52 psig @ 3395.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2019.11.10 End Date: 2019.11.10 Last Calib.: 2019.11.10
 Start Time: 17:54:00 End Time: 22:17:30 Time On Btm: 2019.11.10 @ 19:13:30
 Time Off Btm: 2019.11.10 @ 20:53:30

TEST COMMENT: 1st Opew nig 15 Minutes weak blow for 4 minutes and died
 1st Shut-In 30 Minutes
 2nd Opening 15 Minutes no blow
 2nd Shut-In 30 Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.08	93.28	Initial Hydro-static
1	43.10	92.93	Open To Flow (1)
24	45.23	94.14	Shut-In(1)
55	51.28	95.63	End Shut-In(1)
55	45.13	95.66	Open To Flow (2)
71	44.81	96.56	Shut-In(2)
99	49.52	98.16	End Shut-In(2)
100	1651.22	99.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.07

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

ATTN: Renee Husted

Job Ticket: 01391

DST#: 4

Test Start: 2019.11.10 @ 17:54:00

Tool Information

Drill Pipe:	Length: 3375.00 ft	Diameter: 3.80 inches	Volume: 47.34 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: 58000.00 lb
			<u>Total Volume: 47.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3374.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3349.00	
Hydraulic tool	5.00			3354.00	
Jars	5.00			3359.00	
Safety Joint	5.00			3364.00	
Packer	5.00			3369.00	30.00 Bottom Of Top Packer
Packer	5.00		Fluid	3374.00	
Anchor	21.00			3395.00	
Recorder	0.00	9119	Inside	3395.00	
Recorder	0.00	9139	Outside	3395.00	
Bullnose	5.00			3400.00	26.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

Job Ticket: 01391

DST#: 4

ATTN: Renee Husted

Test Start: 2019.11.10 @ 17:54:00

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: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 8100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

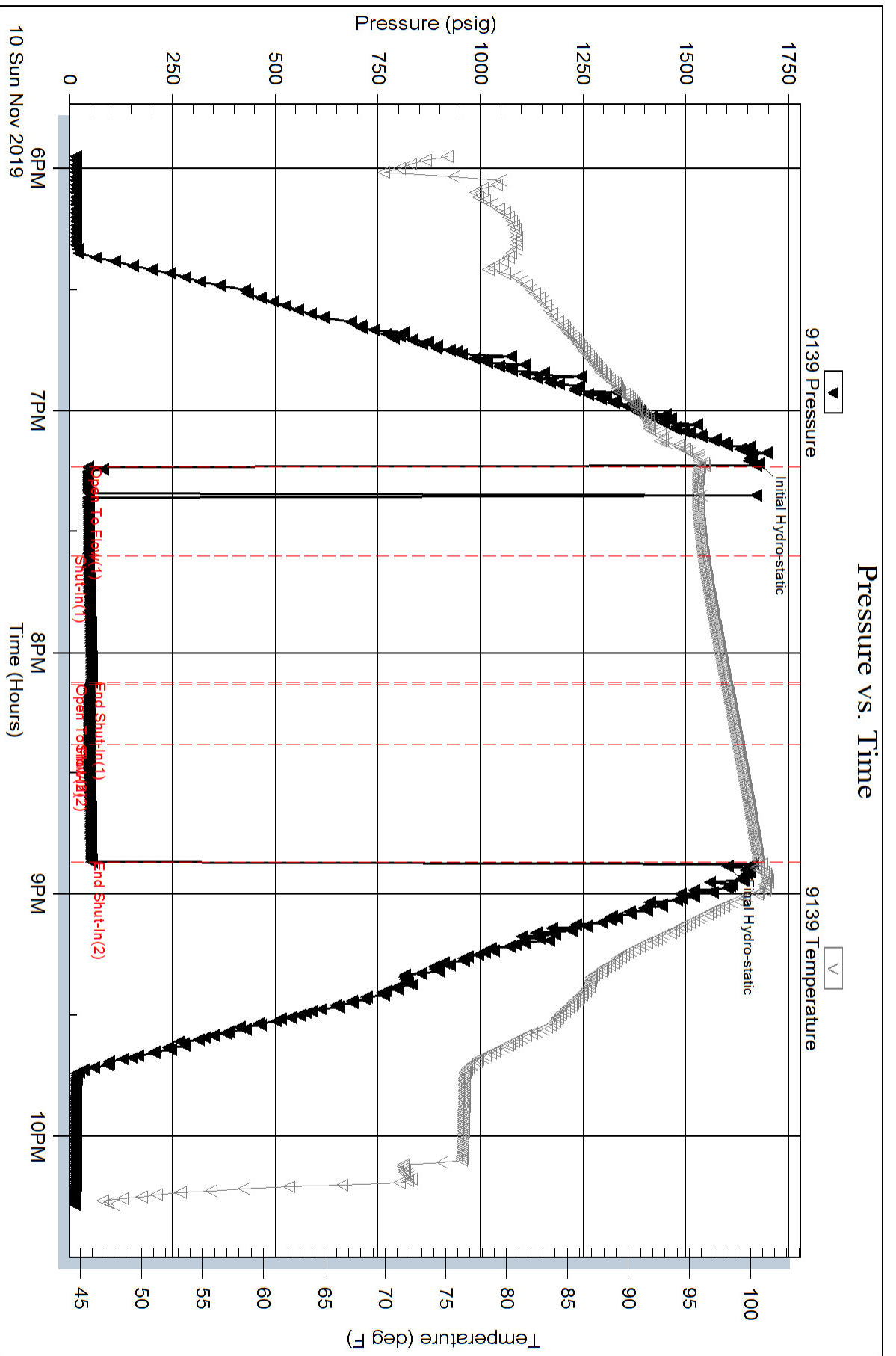
Num Gas Bombs: 0

Serial #:

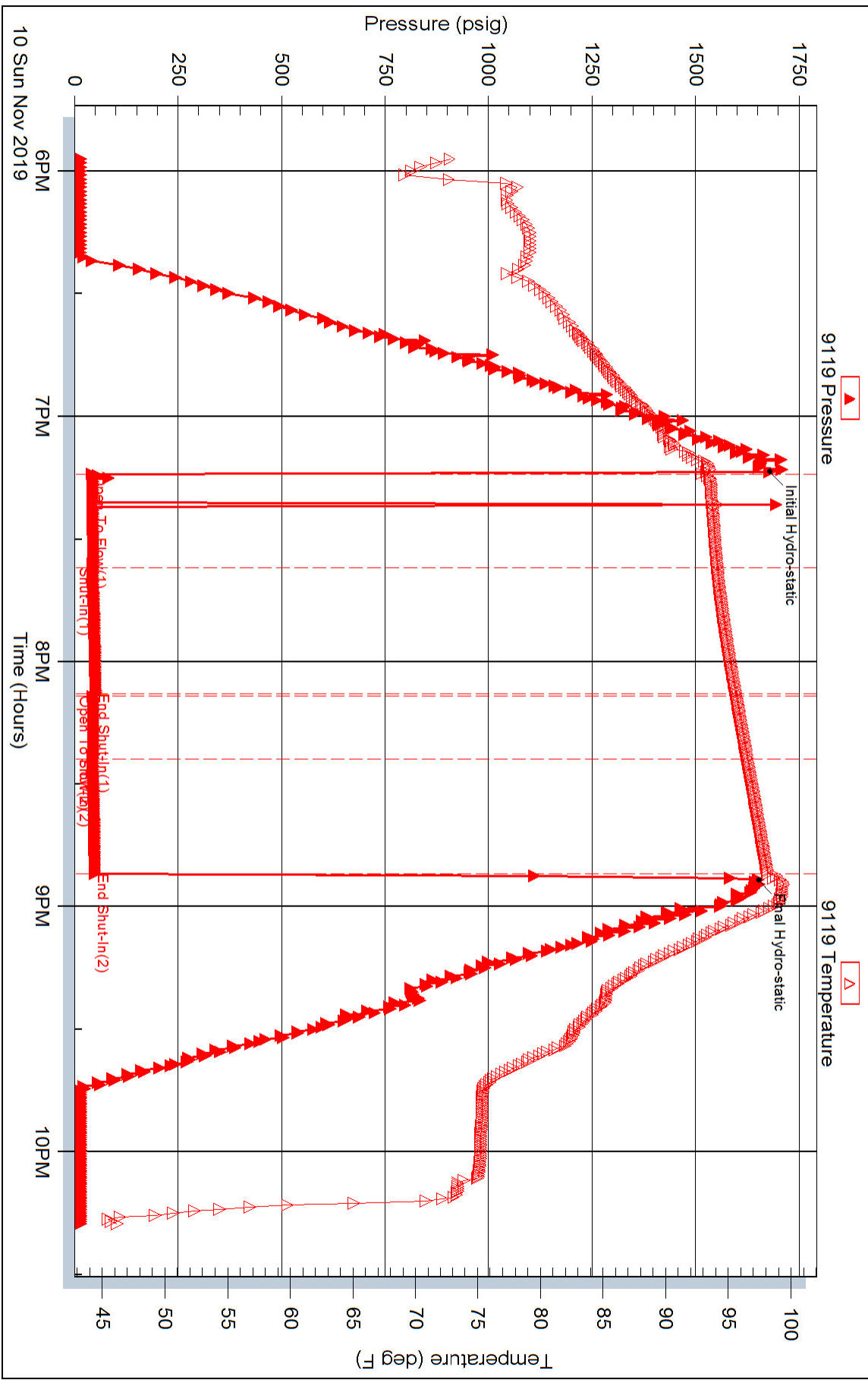
Laboratory Name:

Laboratory Location:

Recovery Comments:



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **F G Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Renee Husted

Leroy Farm #2-30

30-19s-14w Barton

Start Date: 2019.11.12 @ 20:20:00

End Date: 2019.11.12 @ 03:55:00

Job Ticket #: 01392 DST #: 5

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2019.11.12 @ 04:18:41



DRILL STEM TEST REPORT

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

ATTN: Renee Husted

Job Ticket: 01392

DST#: 5

Test Start: 2019.11.12 @ 20:20:00

GENERAL INFORMATION:

Formation: **Arbuckle Sand**
Deviated: No **Whipstock:** ft (KB)
Time Tool Opened: 22:18:00
Time Test Ended: 03:55:00
Interval: **3438.00 ft (KB) To 3541.00 ft (KB) (TVD)**
Total Depth: 3541.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches **Hole Condition:** Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: 1
Reference Elevations: 1915.00 ft (KB)
 1907.00 ft (CF)
KB to GR/CF: 8.00 ft

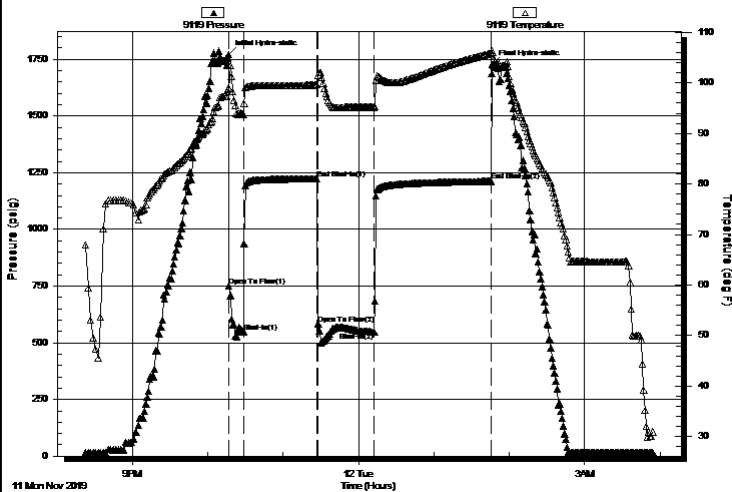
Serial #: 9139

Outside

Press@RunDepth: 1214.63 psig @ 3536.06 ft (KB) **Capacity:** 5000.00 psig
Start Date: 2019.11.11 **End Date:** 2019.11.12 **Last Calib.:** 2019.11.12
Start Time: 20:20:00 **End Time:** 03:54:30 **Time On Btm:** 2019.11.11 @ 22:16:30
Time Off Btm: 2019.11.12 @ 01:46:30

TEST COMMENT: 1st Opening 10 Minutes strong blow Gas to surface in 2 minutes
 1st Shut-In 60 Minutes good blow back
 2nd Opening 45 Minutes strong blow see gas flow report
 2nd Shut-In 90 Minutes good blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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First Gas Rate
 Last Gas Rate
 Max. Gas Rate



DRILL STEM TEST REPORT

F G Holl Company LLC
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Renee Hustead

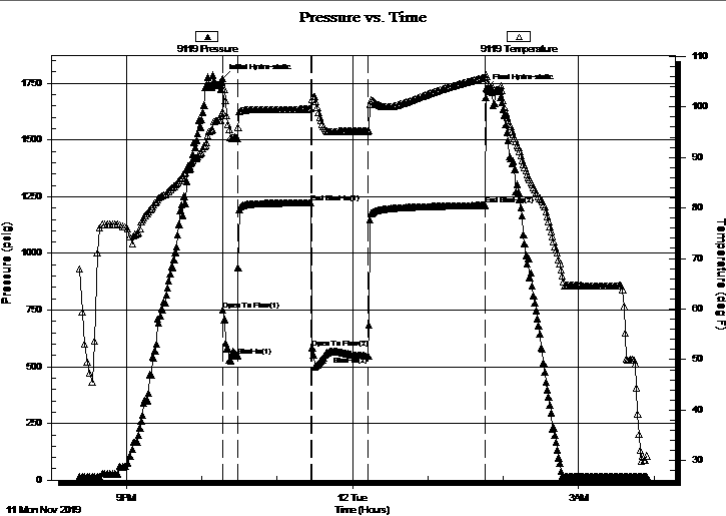
30-19s-14w Barton
Leroy Farm #2-30
 Job Ticket: 01392 **DST#: 5**
 Test Start: 2019.11.12 @ 20:20:00

GENERAL INFORMATION:

Formation: **Arbuckle Sand**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 22:18:00
 Tester: Gene Budig
 Time Test Ended: 03:55:00
 Unit No: 1
 Interval: **3438.00 ft (KB) To 3541.00 ft (KB) (TVD)**
 Reference Elevations: 1915.00 ft (KB)
 Total Depth: 3541.00 ft (KB) (TVD) 1907.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 9119 Inside
 Press@RunDepth: 1212.46 psig @ 3536.06 ft (KB) Capacity: 5000.00 psig
 Start Date: 2019.11.11 End Date: 2019.11.12 Last Calib.: 2019.11.12
 Start Time: 20:20:00 End Time: 03:54:30 Time On Btm: 2019.11.11 @ 22:16:30
 Time Off Btm: 2019.11.12 @ 01:46:30

TEST COMMENT: 1st Opening 10 Minutes Strong blow Gas to surface in 2 minutes
 1st Shut-In 60 Minutes good blow back
 2nd Opening 45 Minutes strong blow see gas flow report
 2nd Shut-In 90 Minutes good blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

First Gas Rate
 Last Gas Rate
 Max. Gas Rate



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

ATTN: Renee Husted

Job Ticket: 01392

DST#: 5

Test Start: 2019.11.12 @ 20:20:00

Tool Information

Drill Pipe:	Length: 3439.00 ft	Diameter: 3.80 inches	Volume: 48.24 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: 62000.00 lb
			<u>Total Volume: 48.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3438.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	103.06 ft			
Tool Length:	133.06 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			3413.00	-999999.00
Hydraulic tool	5.00			3418.00	-999999.00
Jars	5.00			3423.00	-999999.00
Safety Joint	5.00			3428.00	-999999.00
Packer	5.00			3433.00	30.00 Bottom Of Top Packer
Packer	5.00		Fluid	3438.00	-999999.00
Anchor	5.00			3443.00	-999999.00
Change Over Sub	0.75			3443.75	-999999.00
Drill Pipe	63.56			3507.31	-999999.00
Change Over Sub	0.75		Inside	3508.06	-999999.00
Anchor	28.00			3536.06	-999999.00
Recorder	0.00	9119	Inside	3536.06	-999999.00
Recorder	0.00	9139	Outside	3536.06	-999999.00
Bullnose	5.00			3541.06	103.06 Bottom Packers & Anchor

Total Tool Length: 133.06



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

Job Ticket: 01392

DST#: 5

ATTN: Renee Husted

Test Start: 2019.11.12 @ 20:20:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 6700.00 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
135.00	Drilling Mud	1.894

Total Length: 135.00 ft Total Volume: 1.894 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 LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

Job Ticket: 01392

DST#: 5

ATTN: Renee Husted

Test Start: 2019.11.12 @ 20:20:00

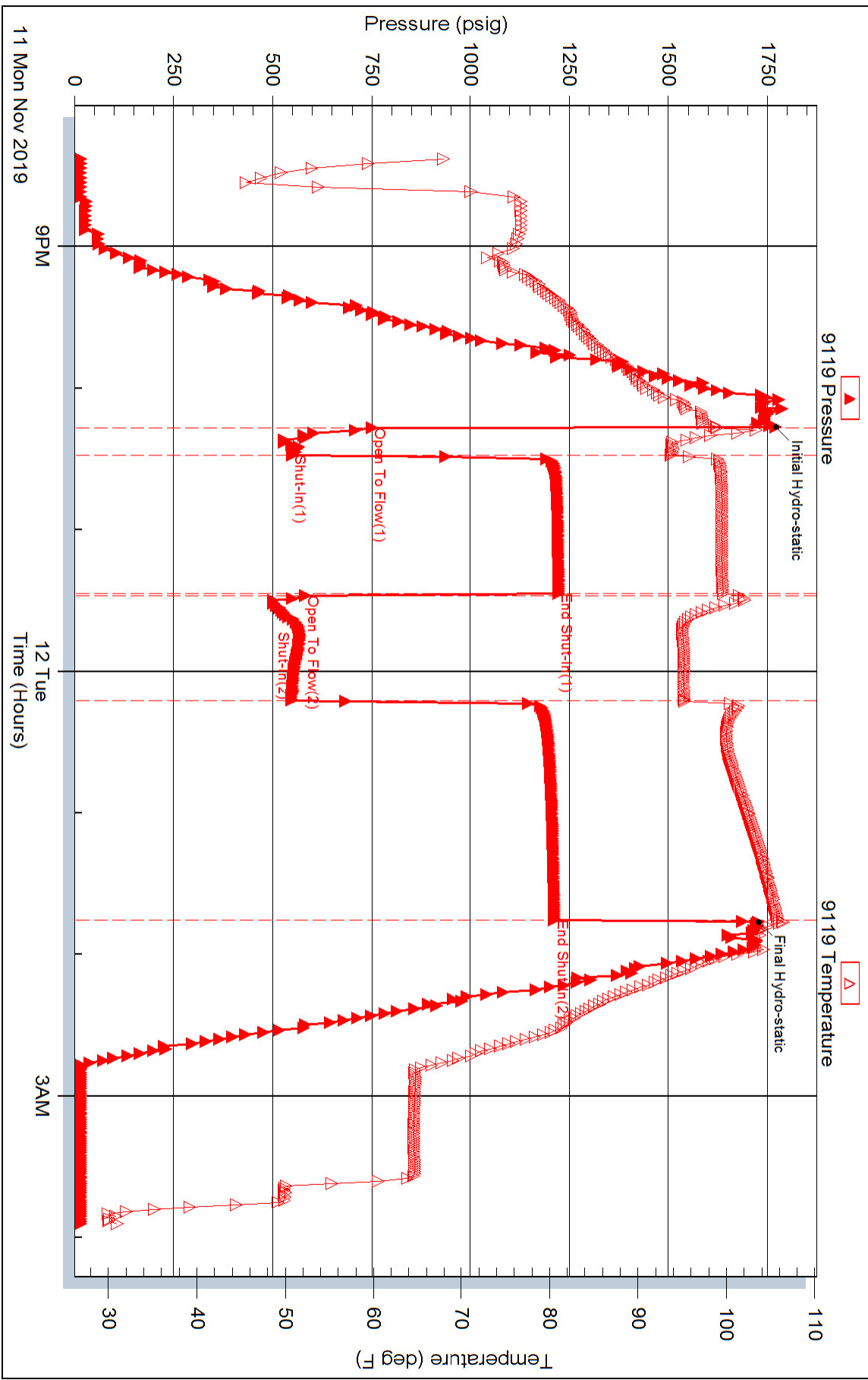
Gas Rates Information

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

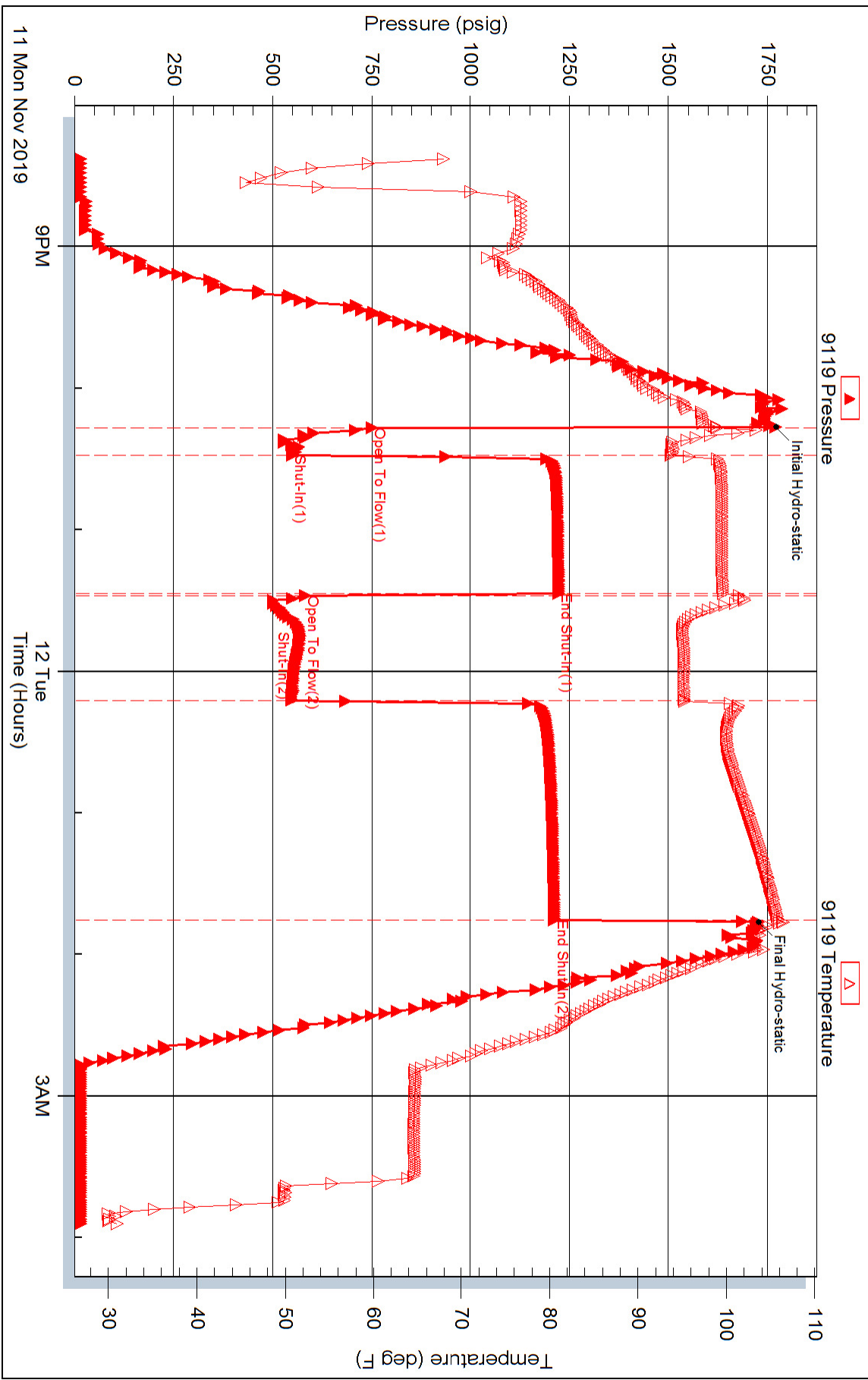
Gas Rates Table

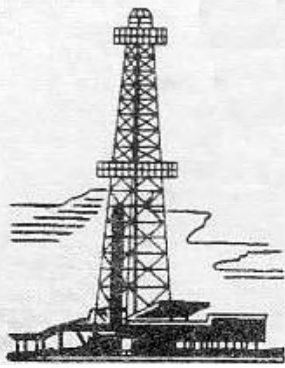
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	5	1.00	22.61	1064.14
2	15	1.50	17.50	1950.32
2	25	1.50	17.50	1950.32
2	35	1.50	17.50	1950.32
2	45	1.50	17.50	1950.32

Pressure vs. Time



Pressure vs. Time





WELLSITE GEOLOGIST'S REPORT

RENE HUSTEAD
CONSULTANT GEOLOGIST



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

Well Name: LEROY FARMING TRUST NO. 2-30
Well Id:
Location: SEC 30-19S-14W
License Number: 15-009-26-279-0000
Spud Date: NOV 4-2019
Surface Coordinates: 1400' FWL, 945' FNL, 80' E,45' N. OF S/2 N/2 NW
Region: Barton Co
Drilling Completed: NOV. -13 -2019
Bottom Hole VERTICAL
Coordinates:
Ground Elevation (ft): 1907' K.B. Elevation (ft): 1915'
Logged Interval (ft): 1700' To: 3625' Total Depth (ft): 3625'
Formation:
Type of Drilling Fluid: STARCH/CHEMICAL

Printed by WellSight LogViewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR:

Company: F.G. Holl Company LLC
Address: 9431 E. Central, Suite 100
Wichita, Kansas 67206

DRILLING CONTRACTOR:

DUKE RIG #2

Double derrick; drill pipe 4.5' X H (16.25#); collars 6.25 x2.25 x 444'; Bit 1; 12.25,PRO-LOGIC PL 616 #504488, BIT #2 7 7/8,J2 RX23 #50409,3-15'S BIT 3,7 7/8, J2- HA20 #1802272, 3-15's;BIT 3, 7 7/8 J2 RX30 #10004 ,3-15'S BIT #4 7 7/8 J2 F47HY RJ2072 ,3-15'S Reference datum 8 ft above ground level. Poor Boy's (Martin- Decker) mechanical geolograph. Toolpusher -Dion Vasquez

SURFACE CASING:

SURFACE CASING SET 8 5/8 INCHES 24 LBS AT 833' WITH 350 SAXS OF CEMENT
PRODUCTION CASING SET 4.5 INCHES AT 3620' WITH 150 SAXS OF CEMENT

CIRCULATION SYSTEM:

Pump Make:IDECO,Pump model: MM 550, liner size 6 ,stroke 15.
Displace Starch to Mud at 2580'
Mud/Co/Service Mud, Inc.-JASON WHITING-Great Bend, Ks-620-282-0556

GAS DETECTION SYSTEM:

MBC Well Logging and Leasing -Analog Gas Detection.

OPEN HOLE LOGS:

Detail 1700'. Run CNL/CDL, DIL/MEL, BHCS, Gamma Ray up to grass roots, Drop filters, Hi Res RTD to Heebner 3120', Run Frac finder RTD to LKC at 3180' ; Pioneer Energy Services, Hays, KS, Recorded by Justin Henrickson; Log total depth (3626') was to rotary total depth (3625').

COMPLETION:

PRODUCTION CASING SET ON LANSING/ KC

DRILL STEM TEST #1:

EAGLE TESTERS

1309 PATTON
GREAT BEND, KANSAS 67530
GENE BUDIG

DST #1

INTERVAL - 3208'-3277'

**IBLW-FR BLW BLT BOB IN 6 MINUTES
FBLW-GD BLW BLT BOB IN 2 MINUTES**

**REC-1100FT GIP, 15 FT OIL CUT MUD (80% OIL + 20% MUD)
60 FT OIL CUT MUD (60% OIL + 40% MUD), 60 FT (30%OIL + 70% MUD)**

30/60/45/90

**SIP- 1086.58 - 1012.19
IFP- 71.19 - 99.38
FFP- 107.77 - 130.01
HP-1644.73-1618.36**

DRILL STEM TEST #2:

DST #2

3278-3290'

**REC-425 FT WATER CHLORIDES 58,000
IBLW-WL BLW BLT BOB IN 12 MINUTES
FBLW-WK BLW BLT BOB IN 29 MINUTES**

30/60/45/90

**SIP-965.19-971.63
IFP-42.10-117.58
FFP-120.92-204.93
HP-1629.05-1589.06**

DRILL STEM TEST#3

3346'-3380'
REC-5 FT DRILLING MUD
IBLW-WK BLW DIED IN 6 MINUTES
FBLW-NO BLW
15/30/15/30
SIP-51.38-49.44
IFP-95.87-96.11
FFP-97.26-97.86
HP-1680.84-1660.71

DRILL STEM TEST #4

DST #4
INTERVAL -3374'-3400'
IBLW-WL BLW FOR 4 MINUTES AND DIED
FBLW-NO BLW
REC-5 FT DRILLING MUD
15/30/15/30
SIP-51.28-49.52
IFP-45.23-51.28
FFP-45.13-44.81
HP-1678.08-1651.22

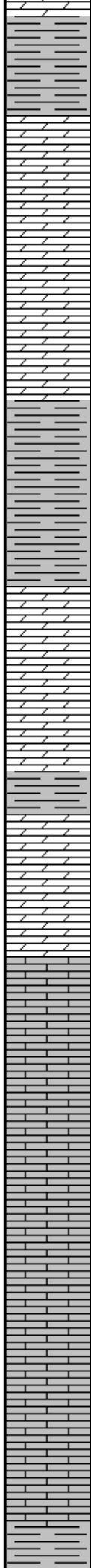
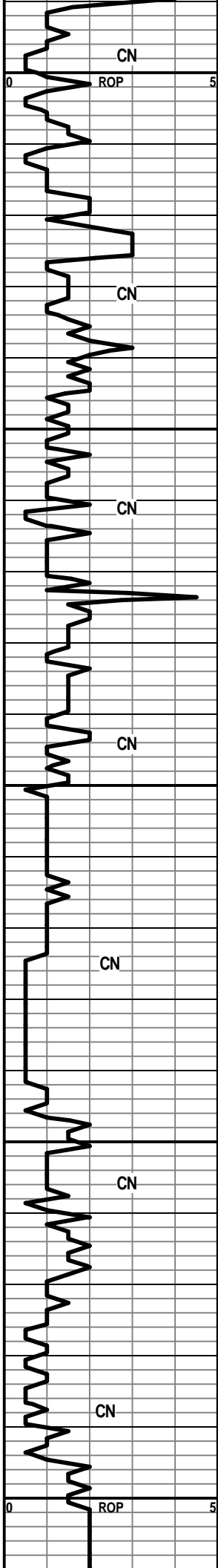
DRILL STEM TEST #5

DST #5
INTERVAL-3438-3541
IBLW-STRNG BLW -GAS TO SURF IN 2 MINUTES
FBLW-STRNG BLW
REC-GAS- MAX GAS RATE AT 1950.32 MCF/D PLUS 135' OF DRILLING MUD
10/60/45/90
SIP-1223.36-1212.46
IFP-750.61-548.82
FFP-582.02-548.3
HP-1770.47-1727.26

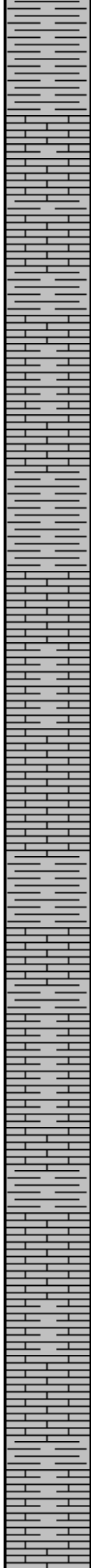
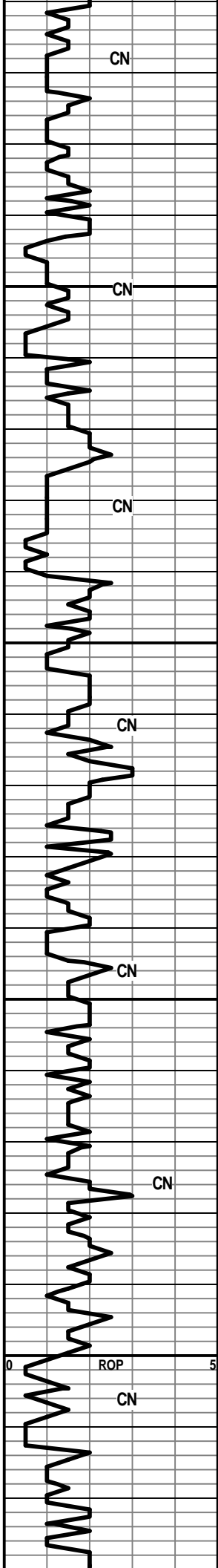
GAS RATES:	CHOKE(IN)	PSIG	GAS RATE MCF/D
	1.0	22.61	1064.14
	1.5	17.50	1950.32
	1.0	22.61	1064.14

WELLSITE GEOLOGIST:

RENE HUSTEAD
4714 N. PORTWEST CIRCLE
WICHITA, KANSAS 67204
PHONE (913) 208-3390



1800 DOLO-GRY-F-GRN-V-FOSS-BRIT-TR INTER-GRN POR
 SH-RED/GRY-SFT-GUMMY
WINFIELD 1807' (+108')
 DOLO-GRY/TN-F-GRN-V-FOSS-GD-INTER-GRN/FOSS VUG POR
 DOLO A.A.
 DOLO-DK GRY-F-GRN-HD-DNS
 DOLO-CRM W/BLK FOSS FRAGS-F-GRN -FR-INTER-GRN/FOSS VUG POR
 DOLO-GRY/TN-F-GRN-HD-DNS
 SH-GRY-FRM-DOLO
 1850 SH-RED-SFT-GUMMY
TOWANDA 1872' (+43')
 DOLO-GRY/TN-F-GRN-HD-DNS
 DOLO-TN-F-GRN V-OOL-FOSS-FR-INTER-PRT/TR OOL-MOLDIC POR
 DOLO-OFF WHT-F-GRN-TR FOSS-FR INTER-GRN POR
 DOLO-GRY-F-XLN-FOSS-TR FOSS VUG W/ CHRT-TN-FOSS-OPQ-FRSH
 SH-GRY-FOSS
 1900 **FT RILEY 1904' (+11)**
 DOLO-TN/GRY-M-GRN-FOSS-FR INTER-GRN/SM VUG POR-CHRT-GRY-OPQ-SM PYR XLS IMBD
 DOLO-TN W/BLK SPECS-F-GRN-FOSS-OOL-FR INTER-GRN POR
 LS-TN-F-GRN-OOL-GD-SM OOL-MOLDIC POR
 1950 LS-TN-F-GRN-OOL-HD-DNS
 POOR SAMPLES
 POOR SAMPLES
 LS-TN-M-GRN-OOL-FOSS-GD-INTER-GRN/FOSS VUG-SM OOL-MOLDIC POR
 LS-CRM-F-GRN-FOSS-OOL-FR INTER-GRN POR
 2000 SH-GRY-BLKY-LMY



B/FLORENCE 2016' (-101')

SH-GRY-SFT-GUMMY

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

POOR SAMPLE

LS-OFF WHT W/BLK FOSS FRAGS-BRIT-VFOSS-FR INTER-GRN POR

2050 SH-GRY/RED-GUMMY

LS-TN-F-GRN-OOL-F-SM OOL-MOLDIC POR

COUNCIL GROVE 2075' (-160')

SH-GRY/GRN-FRM-BLKY-FOSS

SH-DK GRY-SFT-GUMMY

POOR SAMPLE

2100 SH-RED-SFT-GUMMY

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

LS-OFF WHT-VF-XLN-BRIT-FOSS-FR INTER-XLN POR

SH-GRY-FRM-SILTY-BLKY-HEM

LS-GRY-F-GRN-BLK OOL-BRIT-FR INTER-PRT POR

2150 SH-GRY-BLKY-LMY

LS-GRY-V-F-XLN-FOSS-TR PYR XLS IMBD-SHLY-HD-DNS

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

SH-LT GRY-BLKY-WAXEY

SH-RED-GRY-SFT-GUMMY

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

LS-GRY-F-GRN-SHLY-FOSS-HD-DNS

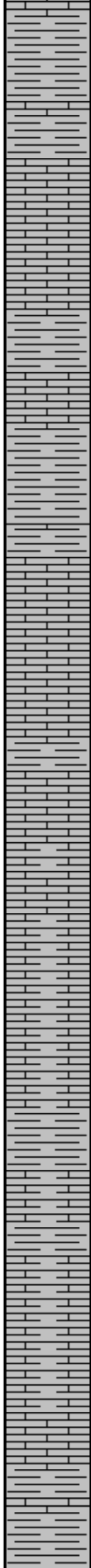
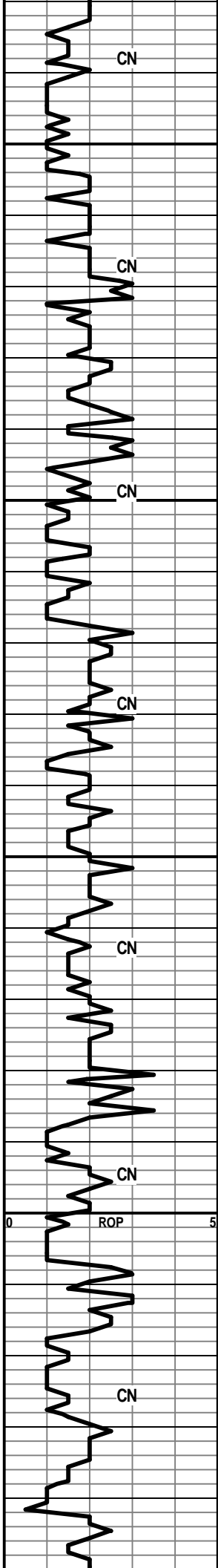
2200 LS-OFF WHT-F-XLN-OOL-FR OOL-MOLDIC POR

SH-GRY-BLKY-WAXEY/LMY

LS-GRY-F-GRN-V-SHLY-FOSS

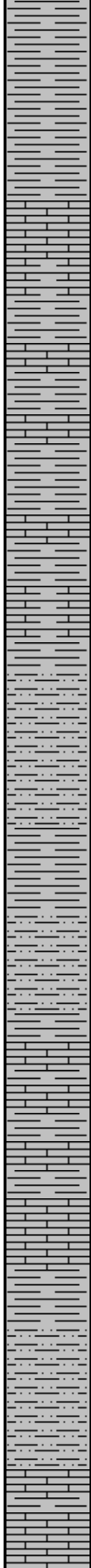
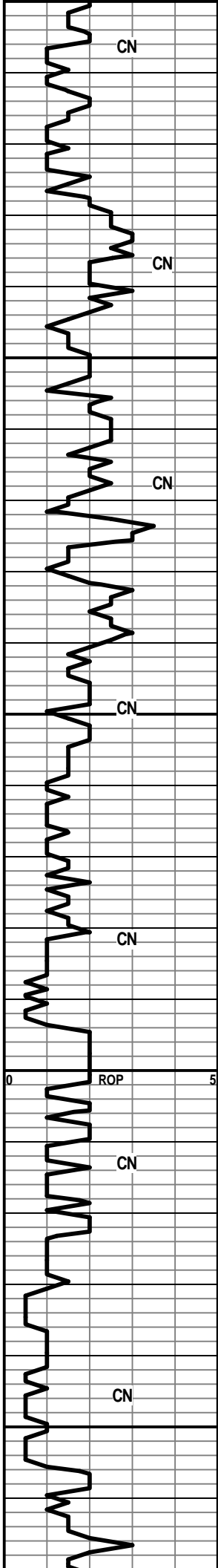
LS-TN/GRY-F-XLN-HD-DNS

GEOLOGIST ON LOCATION



LS-GRY-F-GRN-FOSS-FRAGS-BRIT-SHLY
 SH-RED-SFT-GUMMY
NEVA 2251' (-336')
 2250 LS-OFF WHT-F-GRN-BRIT-TR PP POR TO NO VIS POR
 LS-OFF WHT-F-XLN-TR FOSS-HD-DNS
 LS.A.A.
 SH-GRY-BLKY-LMY
 LS-OFF WHT W/BLK SPECS-F-GRN-FOSS-BRIT-DNS
 SH-RED-SFT-GUMMY
 2300 **RED EAGLE 2308' (-393')**
 LS-CRM-F-XLN-FOSS-OOL-PR TO FR INTER-XLN POR-NO VIS GAS INCRS
 LS-TN-F-GRN-FOSS-SHLY-HD-DNS
 SH-BLK-BLKY
 LS-TN-F-GRN-FOSS-TR OOL-SHLY IP-HD-TR PP POR-NO VIS GAS INCRS
 2350 SH-GRY-LMY-BLKY
 LS-BRN-F-XLN-V-FOSS-HD-DNS
 LS-TN-V-F-GRN-BRIT-TR PP POR-HD-DNS
 SH-GRY-FOSS-LMY-BLKY
 LS-CRM-V-F-GRN-HD-DNS
 LS-OFF WHT W/BLK FOSS FRAGS-F-GRN-CHLKY IP-V-FOSS-SM BLK OOL-FR INTER-GRN POR-NO VIS GAS INCRS
 2400 LS-GRY-F-GRN-FOSS-BRIT-DNS
 SH-GRY-SFT-GUMMY
 LS-BRNISH RED-F-XLN-HD-DNS
 LS-GRY-F-XLN-FOSS-HD-DNS
 SH-GRY/GRN-FOSS-BLKY
 LS-LT BRN-F-XLN-FOSS-HD-DNS
 SH-GRY-GUMMY
 LS-TN-F-XLN-FOSS-HD-DNS
 50

HOTWIRE-40 UNIT GAS INCRS.



24
2500
2550
2600
2650

SH-GRY-SFT-GUMMY W/SH-DK GRY-FRM-FOSS-BLKY

SHALE-GRY-BLK-GRN-RED-BLKY-SILTY-FOSS

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

LS-OFF WHT-F-XLN-V-OL-BRIT-DNS

SH-GRY-SPLNTY-FOSS

SH-RED-SFT-GUMMY

LS-TN-F-GRN-HD-DNS

SH-GRY-BLKY-LMY-FOSS

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

SH-GRY-SFT-SILTY-FOSS

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

SH-GRY-SFT-GUMMY-SILTY

SH A.A.

SLTSS-FRSTY WHT-F-GRN-TR SH IMBD-HEM-MICA

STOTLER 2596' (-681')

LS-LT BRN-M-GRN-FOSS-TR SH IMBD-HD-TR INTER-GRN
POR TO NO VIS POR

SH-DK GRY-BLKY-WAXEY

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

LS-OFF WHT-F-GRN-FOSS-SILTY-HD-DNS W/TR GLAU
IMBD

SH-GRY-SFT-SILTY

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

TARKIO 2656' (-741')

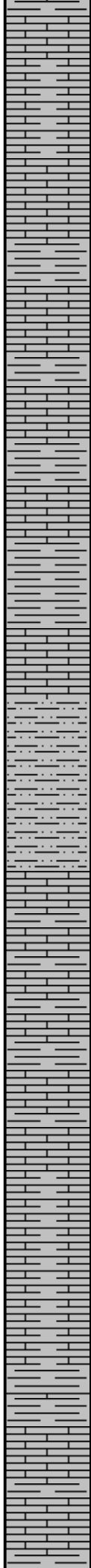
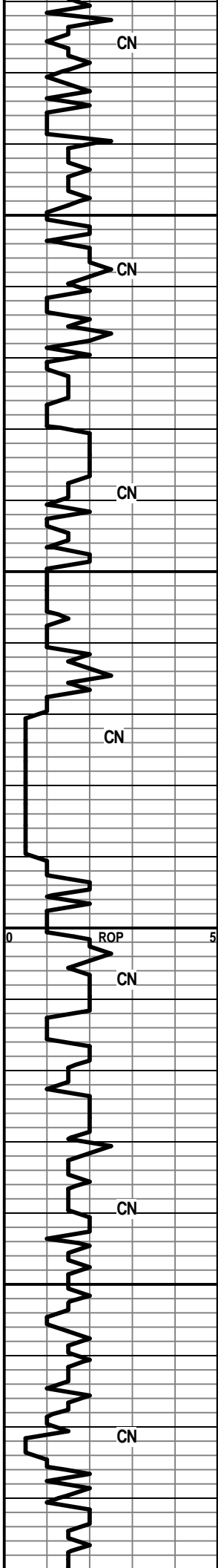
LS-TN-F-XLN-TR FOSS-HD-DNS

LS-CRM-F-GRN-FOSS-HD-DNS W/TR SH-LT GRY-IMBD

DIS-PLACE @2580' STARCH TO CHEMICAL MUD

MUD DATA @2604'
WT. 8.6
VIS 52
FIL-7.6
LCM=0

25 UNIT GAS INCRS



SH-GRY-BLKY-WAXEY-LMY

LS-GRY-F-GRN-FOSS-BRIT-DNS
SH-GRY-FRM-SPLNTY

2700 LS-TN-F-XLN-FOSS FRAGS-HD-DNS

SH-GRY-BLKY-FOSS-LMY

LS-TN-F-XLN-HD-DNS

SH-GRY-FOSS-LMY

LS-GRY-F-XLN-FOSS-SHLY

POOR SAMPLE

2750 SH-GRY-SILTY-BLKY

LS-CRM-F-XLN-FOSS-HD-DNS

SLTSS-FRSTY GRY-F-GRN-FRI-SHLY-HEM-MICA

SLTSS A.A.

HOWARD 2794' (-879')

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

2800 SH-LT GRY-BLKY

LS-CRM-F-GRN-PYR IMBD-HD-DNS

LS-TN-F-XLN-FOSS FRAGS-SH-LT GRY-IMBD

LS A.A.

LS-GRY-F-XLN-FOSS-SHLY W/ SH-GRY-FOSS-BLKY

2850 LS-DK BRN-F-XLN-HD-DNS W/ TR FOSS AND SH IMBD

TOPEKA 2870' (-955')

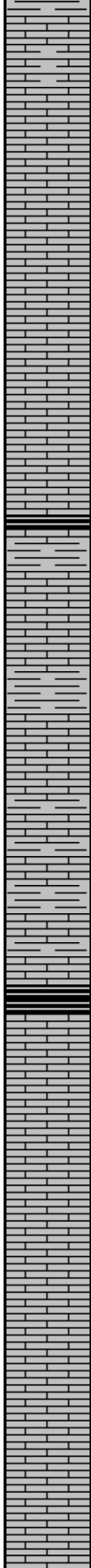
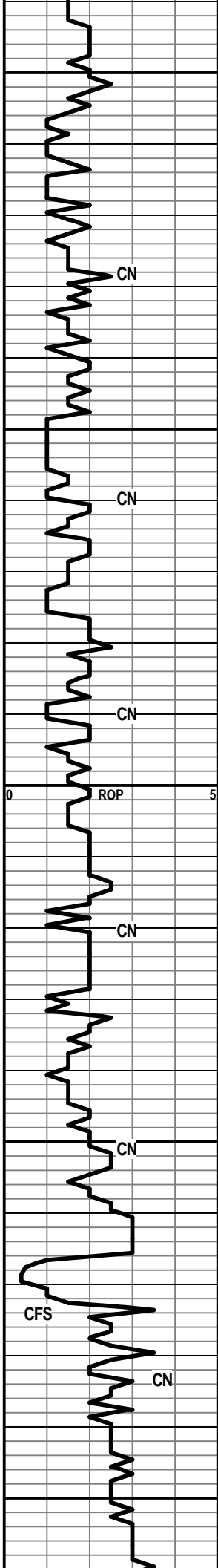
LS-CRM-F-GRN-FOSS-V-SM OOL-FR TO GD PP POR W/ TR
SM OOL-MOLDIC POR-GAS INCRS

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

SH-GRY-BLKY-WAXEY

HOTWIRE 20 UNIT GAS INCRS

HOTWIRE 30 UNITS



2900 LS-GRY-F-XLN-HD-TR FOSS-SHLY-DNS

LS-GRY-F-XLN-FOSS-BRACH-HD-DNS W/CHRT-VARIG BLK AND WHT-OPQ-FRSH

LS.A.A.

LS-TN-F-GRN-CHLKY IP-FOSS-FUS-BRIT-DNS

LS-TN-F-GRN-V-FOSS-OOL-TR FR INTER-GRN POR-NO VIS SHOW

LS-REDDISH BRN-F-GRN-FOSS-FUS-HD-DNS

2950 LS-TN-F-XLN-FOSS-CHLKY IP-TR INTER-XLN POR BUT MSTLY DNS-NO VIS SHOW

QUEEN

SH-BLK-CARB

LSCRM-F-XLN-FOSS-CHLKY IP-DNS-NO VIS SHOW

LS.A.A.

SH-GRY-BLKY-LMY-FOSS

LS-TN/BRN-V-F-XLN-HD-DNS

3000 LS-CRM-F-GRN-FOSS FRAGS-HD-DNS

SH-GRY-BLKY-LMY-FOSS FUS

LS-TN-F-GRN-FOSS-OOL-HD-DNS

KING

SH-BLK-CARB

LS-CRM-F-GRN-FOSS-OOL-FR VUG POR-NO VIS STN-TR PP WHT FLOR-NO VIS CUT

LS-CRM-F-XLN-OOL-FOSS-GD VUG/OOL-MOLDIC POR-LT BRN STN-NO VIS FLOR-GD STRM CUT-FREE OIL

3050 LS-CRM-F-GRN-FOSS-GD-VUG/OOL-MOLDIC POR-LT BRN STN-NO VIS FLOR-GD STRM CUT-FO

LS-CRM-F-XLN-OOL-V-GD OOL-MOLDIC POR-TR LT BRN STN-NO VIS FLOR-TR LT STRM CUT

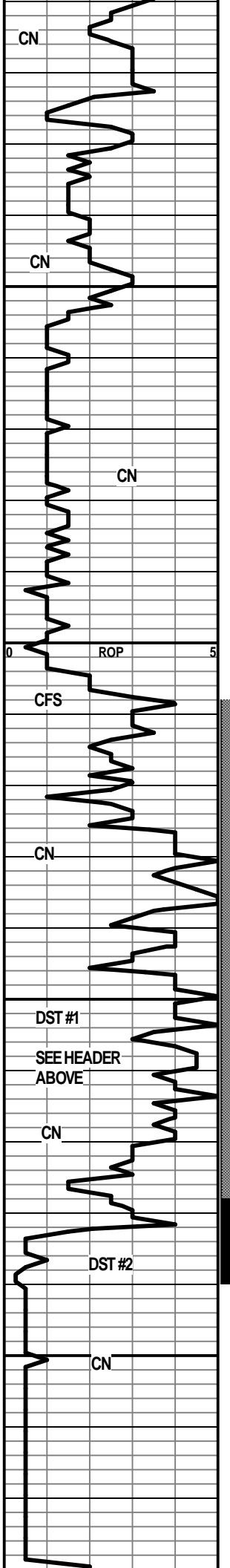
LS-CRM-F-XLN-FOSS-HD-DNS W/CHRT-GRY-OPQ-FOSS

SH-GRY-SPLNTY

LS-CRM-F-XLN-HD-DNS W/TR OF EDGE STN-LT BRN STN ON EDGE/SM VUG-NO VIS FLOR-GD STRM CUT-FO

3100 LS-TN-F-XLN-FOSS-OOL-HD-PR SM VUG POR IP-LT BRN STN-NO VIS FLOR-GD STRM CUT-FREE OIL (1 PC) M-XL'S W/ DK BRN STN

HOTWIRE-10 UNIT GAS INCRS



LS-OFF WHT-OPQ-VF-XLN-HD-DNS TR DK BLK STN-NO VIS FLOR-NO VIS CUT

HEEBNER 3123' (-1208')

SH-BLK-CARB

TORONTO 3136' (-1221')

LS-CRM-F-XLN-GD-INTER-GRN/XLN AND LG VUG POR-LT BRN STN-SCATT WHT FLOR-GD STRM CUT-GD ODOR-FREE OIL

3150 SH-DK GRY-FRM-BLKY

SH-GRY/GRN-BLKY TR PYRIN TRAY

SH-DK GRY-SFT-SILTY
SLTSS-FRSTY GRY-F-GRN-SHLY-MICA-HEM

SH-DK GRY-BLKY-SILTY TR PYR IN TRAY

SLSS-FRSTY GRY-F-GRN-SHLY-MICA-HEM

3200 **BROWN LS. 3207' (-1292')**

LS-TN-F-XLN-HD-DNS-TR FOSS

LANSING/KC 3220' (-1305')

LS-OFF WHT-F-GRN-GD INTER-GRN/PPOR-LT BRN STN-NO VIS FLOR-IMMED GD CUT-FNT ODOR

LS-OFF WHT-F-XLN-HD-DNS W/CHRT-OFF WHT-OPQ-FRSH

LS-TN-F-XLN-HD-DNS W/TR LS-OFF WHT-F-XLN-FR PPOR-LT BRN STN-NO VIS FLOR-FR STRM CUT-FNT ODOR

LS-OFF WHT-F-XLN-HD-DNS W/CHRT-OFF WHT-QOP-FRSH-TR PPPOR-DK BLK STN-NO VIS FLOR-GD STRM CUT-FNT ODOR

LS-TN-F-XLN-FOSS-OOL-HD-DNS W/TR OF FREE OIL AND GOOD ODOR W/CHRT-CLR-FOSS-FRSH

LS-REDDISH BRN-G-XLN-FOSS-OOL-FR TO GD INTER/GRN/PPOR-LT BRN STN-DULL WHT FLOR-GD STRM CUT-GD ODOR-FO

LS-BRN-F-GRN-OOL-DK BRN STN-GD INTER-GRN/PP/VUG POR-DULL WHT FLOR-EX STRM CUT-GD ODOR-FREE OIL

LS-CRM-F-XLN-OOL-GD-OOL-MOLDIC POR-LT BRN STN-SCATT YEL/GLD FLOR-EX STRM CUT-STRNG ODOR-FREE OIL

3300 LS-TN-F-XLN-OOL-GD-OOL-MOLDIC POR-LT BRN STN-YEL/GLD FLOR-GD STRM CUT-STRNG ODOR-FREE OIL

LS A.A.

LS-TN-F-XLN-OOL-GD-OOL-MOLDIC POR-SCATT LT BRN STN BUT MSTLY BARREN

HOTWIRE 75 UNIT GAS INCRS

HOTWIRE 40 UNIT GAS INCRS

MUD DATA @ 3207'
WT. 9.2
VIS 50
FIL 8.0
LCM 0

STRAP=3300.19
BOARD=3301.66
SHORT=1.47

HOTWIRE 34 UNIT GAS INCRS

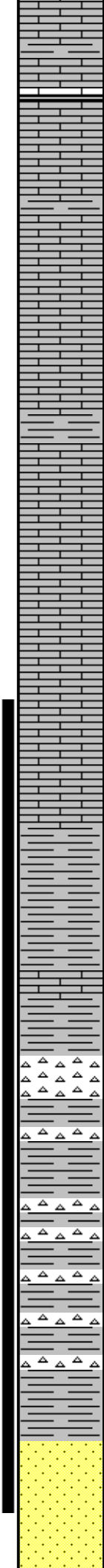
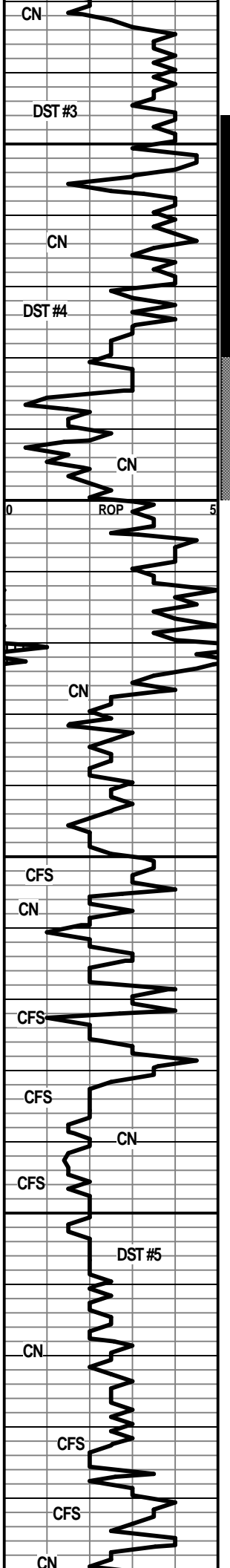
HOTWIRE 10 UNIT GAS INCRS

HOTWIRE 30 UNIT GAS INCRS

HOTWIRE 100 UNIT GAS INCRS

GAS DETECTOR NOT WORKING

MUD DATA @ 3277'
WT. 9.3
VIS 49
FIL 8.0
LCM 0



3350
 LS-TN-F-XLN-HD-DNS W/PYR IN TRAY

3350
 LS-CRM-F-XLN-OOL-FR INTER-PRT POR-LT BRN
 STN-DULL WHT FLOR-FR STRM CUT-GD ODOR-SSFO

LS-CRM-F-XLN-OOL-W/LT BRN EDGE STN

LS-OFF WHT-F-XLN-V-OOL-TR INTER-PRT POR-W/LT BRN
 STN-NO VIS FLOR-GD STRM CUT W/CHLK IN TRAY

SH-GRY-SPLNTY

LS-CRM-F-GRN- OOL-FR TO GD INTER-GRN/OOL-MOLDIC
 POR-LT BRN STN-BRITE WHT FLOR-GD STRM CUT-GD
 ODOR

3400
 LS-TN-F-XLN-OOL-HD-DNS

LS-OFFWHT/BLUISH TINT-F-XLN-HD-DNS

LS-TN-F-XLN-HD-DNS W/CHRT IN TRAY

LS-CRM-F-XLN-OOL-TR INTER-PRT POR-NO VIS SHOW

LS-CRM-F-XLN-BRIT-CHLKY-TR GLAU IMBD-DNS

SH-RED-SFT-GUMMY

3450
 SH-RED/GRN-FRI-SNDY W/CHRT-TN-OPQ-FRSH

SH-GRY-RED-SFT-SNDY W/CHRT-TN/GRY-OPQ-FRSH

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

BASE/KC 3470' (-1555')

SH-GRY-RED-FRM-BLKY W/TR CHRT-TN-OPQ-FRSH

SHALES-RED-GRY-FRM-SNDY W/1 PC SS-FRTY
 WHT-TT-RNDED-WELL SRTEG-SHLY-HEM-

CHRT-OFF WHT-OPQ-TRIP-W/SH RED IMBD AND SND
 GRNS-NO VIS FLOR-NO VIS SHOW

3500
 SH-GRY-RED-FRM-BLKY-SNDY IPW/
 CHRT-CLR-FOSS-FRSH

SH-RED-FRM-SNDY W/CHRT-RED-OPQ-FRSH

SH-RED-FRM-BLKY-SNDYIP-W/CHRT-TN-OPQ-FRSH

SH-RED-GRY-DK GRY-SPLNTY W/CHRT-VARIG-OPQ-FRSH-TR
 DOLO-TNF-GRN-SNDY-NO VIS FLOR-NO VIS SHOW

SH-RED-GRY-SPLNTY-SNDY IP-PYR XLS-W/CHRT-TN-OPQ-FRSH

REGAN 3532' (-1617')

SS-FRSTY GRN-FRI-ANG TO SUB-ANG-PR SRTEG-GLAUFR INTER-GRN
 POR-GAS INCRS-ABUNDT SND GRNS IN TRAY

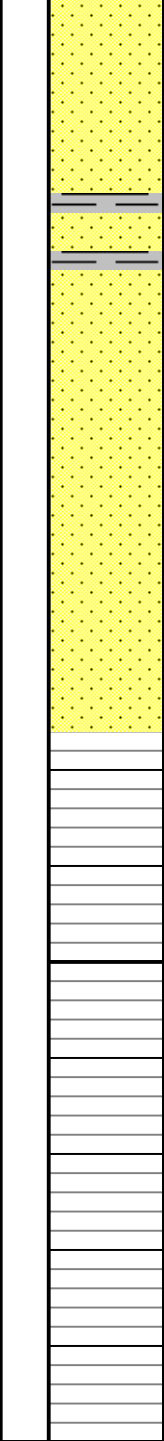
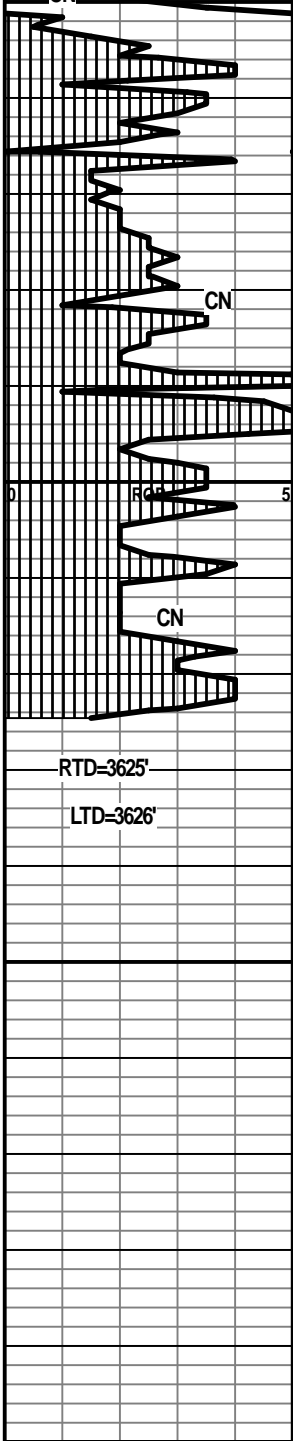
SS-FRSTY CLR-FRI-ANG TO SUB-ANG-PR SRTEG-QTZ CMT-FR INTER-GRN
 POR-NO VIS FLOR-NO VIS CUT -NO ODOR

MUD DATA @ 3380'
 WT. 9.25
 VIS 51
 FIL 8.0
 LCM 0

MUD DATA @ 3478'
 WT. 9.2
 VIS 51
 FIL-7.6
 LCM-0

HOTWIRE -45 UNIT GAS INCRS
 GAS DETECTOR OFF CHART

MUD DATA @ 3551'



35

SS-A.A. TR DK BLK EDGE STN-BRITE WHT FLOR-NO VIS CUT

SS-CLR FRSTY-FRI TO TT-RNDED TO SUBANG-PR STRTED-PR TO GD INTER-GRN POR-TR BRN STN-NO VIS FLOR-NO VIS CUT W/CHRT-TN-OPQ-FRSH-SH-RED/GRY-BLKY-V-FRM-SND GRNS IN BOTTOM OF TRAY

SH-GRY/GRN-BLKY-CHRT-RED-OPQ-FRSH-CHRT-OFF WHT-TRIP-BRIT W/DK BRN STN-NO VIS CUT-SS.A.A.

SH-GRY-SPLNTY-SH-RED-FRM-BLKY-SNDY-CHRT-TN-OPQ-FRSH-CHRT-OFF WHT-TRIPW/DK STN-BRITE WHT FLOR-NO VIS CUT

SS-SH-CHRT A.A.

SH-GRY/GRN-SPLNTY W TR SS.A.A. IN TRAY

3600

SH-GRY-SPLNTY-W/SS-FRSTY CLR-FRI-ANG-SUBANG-PR SRTEQ-QRTZ CMT-PYR IMBD-NO VIS SHOW

SH-RED-GRY-FRM-SNDY IP-W/SS-FRSTY CLR-FRI TO TT-ANG TO SUB ANG-PR SRTEQ-QRTZ CMT-NO VIS STN-NO VIS CUT NO ODOR

3650

00

WT. 9.1
VIS 51
FIL-7.2
LCM TR

MUD DATA @ 3644'
WT. 9.3
VIS 55
FIL.8.4
LCM 1