



Confidentiality Requested:

 Yes No**WELL COMPLETION FORM**
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

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

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West_____ Feet from North / South Line of Section_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

 NE NW SE SWGPS 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 DistributionALT I II III Approved by: _____ Date: _____



1205981

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

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

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

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

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

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

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	MERMIS 'B' 1-31
Doc ID	1205981

All Electric Logs Run

CDL/CNL
BHCS
DIL
Microresistivity
Sonic Cement Bond Log
CPI
fracfinder

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	MERMIS 'B' 1-31
Doc ID	1205981

Tops

Name	Top	Datum
Herrington	1936	+67
Winfield	1988	+15
Towanda	2054	-51
Fort Riley	2097	-94
B/Florence	2194	-191
Kinney ls	2210	-207
Wrefold	2240	-237
Council Grove	2260	-257
Crouse	2300	-297
Neva	2437	-434
Red Eagle	2499	-496
Onaga Shale	2651	-648
Wabaunsee	2673	-670
Root Shale	2732	-729
Stotler	2798	-795
Tarkio	2856	-853
Howard	3001	-998
Severy Shale	3053	-1050
Topeka	3080	-1077
Heebner	3340	-1337
Toronto	3356	-1353
Douglas Shale	3370	-1367
Brown Lime	3434	-1431
LKC	3442	-1439

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	MERMIS 'B' 1-31
Doc ID	1205981

Tops

Name	Top	Datum
Drum	-3583	-1580
BKC	3681	-1678
Conglomerate	3694	-1691
Arbuckle	3785	-1782
RTD	3950	-1947

Summary of Changes

Lease Name and Number: MERMIS 'B' 1-31

API/Permit #: 15-009-25829-00-00

Doc ID: 1205981

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	06/20/2013	05/20/2014
Date of First or Resumed Production or SWD or Enhr Fracturing Question 1		09/28/2013 No
LocationInfoLink	https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=31&t	https://kolar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=31&t
Method Of Completion - Perf	No	Yes
Producing Method Pumping	No	Yes
Production - Barrels Oil		6.68
Save Link	../kcc/detail/operatorEditDetail.cfm?docID=1148648	../kcc/detail/operatorEditDetail.cfm?docID=1205981



CONFIDENTIAL

WELL COMPLETION FORM

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

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

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

API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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

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
--	---

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	MERMIS 'B' 1-31
Doc ID	1148648

All Electric Logs Run

CDL/CNL
BHCS
DIL
Microresistivity
Sonic Cement Bond Log
CPI
fracfinder

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	MERMIS 'B' 1-31
Doc ID	1148648

Tops

Name	Top	Datum
Herrington	1936	+67
Winfield	1988	+15
Towanda	2054	-51
Fort Riley	2097	-94
B/Florence	2194	-191
Kinney ls	2210	-207
Wrefold	2240	-237
Council Grove	2260	-257
Crouse	2300	-297
Neva	2437	-434
Red Eagle	2499	-496
Onaga Shale	2651	-648
Wabaunsee	2673	-670
Root Shale	2732	-729
Stotler	2798	-795
Tarkio	2856	-853
Howard	3001	-998
Severy Shale	3053	-1050
Topeka	3080	-1077
Heebner	3340	-1337
Toronto	3356	-1353
Douglas Shale	3370	-1367
Brown Lime	3434	-1431
LKC	3442	-1439

Form	ACO1 - Well Completion
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Well Name	MERMIS 'B' 1-31
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Tops

Name	Top	Datum
Drum	-3583	-1580
BKC	3681	-1678
Conglomerate	3694	-1691
Arbuckle	3785	-1782
RTD	3950	-1947

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	MERMIS 'B' 1-31
Doc ID	1148648

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3828' - 3833' Arbuckle	250 gal acid	
4	3830' - 3833' Arbuckle	150 gal 15% acid	
4	3834' - 3837' Arbuckle		
2	3828' - 3830'	250 gal 10% nefe & 750 gal 15% nefe	

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



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

June 19, 2013

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

Re: ACO1
API 15-009-25829-00-00
MERMIS 'B' 1-31
SE/4 Sec.31-20S-15W
Barton County, Kansas

Dear Production Department:

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

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

Respectfully,
Franklin R. Greenbaum

Mud-Co / Service Mud Inc.

Operator FG Holl County Pawnee State Kansas Pump 6 X 14 X 60 SPM Casing Program 8 5/8" @ 994 ft.
 Well Mermis B #1-31 Location _____ GPM 8.22 BPM _____ " @ _____ ft.
 Contractor Duke Drilling #8 Sec 31 TWP 21S RNG 15W D.P. 4.5 in. 203 FT/MIN R.A. _____ " @ _____ ft.
 Stockpoint Hays, Kansa Date 4/13/2013 Engineer Jason Whiting Collar 6.25 in. 450 ft. 369 FT/MIN R.A. Total Depth 3950 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 %				
4/11	0																			RURT
4/15	1237	8.9	29			32/43	7.0	N/C				4,000	Hvy	4.1		95.9				Repair. Displace w/starch @ 1610
4/16	2021	9.6	74	12	32	21/31	7.0	14.6	1			65m	Hvy	5.4		94.6				Drlg. Displace w/chem @ 2650
4/17	2505	9.5	44	11	16	13/32	11.0	6.4	1			51m	Hvy	5.6		94.4				Drlg. Hulls being used on
4/18	2935	8.8	52	15	13	10/36	10.5	8.0	1			3,200	20	3.4		96.6				Drlg. location
4/19	3592	9.2	43	13	10	10/36	10.5	8.0	1			5,300	20	6.1		93.9				Drlg. DST #1 @ 3784, possible
4/20	3784	9.2	55	17	13	14/53	10.5	8.0	1			3,800	20	5.8		94.2				CFS misrun, 10' mud
4/21	3786	9.2	51	17	10	11/32	10.0	8.0	1			4,800	40	6.1		93.9				Tl after DST 2 DST #2 3786, misrun,
4/22	3815	9.2	54	15	12	12/60	10.5	7.2	1			5,600	60	6.1		93.9				TO #DST #4 slid 7-10', recovered mud
4/22	3815	9.1	49	15	11	15/28	10.5	8.0	1			6,000	40	5.4		94.6				CCH after DST #4 and cuttings
4/23	3823	9.0	61	17	18	21/61	10.0	8.8	1			6,800	40	4.6		95.4				Brk circ at collars DST#3 @ 3791, did not
4/24	3844	8.9	54	16	13	23/46	11.5	8.0	1			7,300	40	3.8		96.2				Tl w DST #7 slide, valid test
4/25	3950	9.1	62	21	14	20/46	10.5	7.6	1			7,200	60	5.3		94.7	1/2			Final: DST #4 @ 3815
																				7 DST's. Slid 1', some plugging of
																				Logs Ok. tool - but got test
																				Run Casing. DST #5 @ 3823
																				DST #6 @ 3834
																				DST #7 @ 3844
																				Reserve Pit, Chl content ppm: 21,000
																				Estimated Volume: 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	70					
CAUSTIC SODA	24					
DESCO	3					
DRILL PAK	9					
MIL-GUARD	2					
PREMIUM GEL	424					
SODA ASH	15					
STARCH	60					
SUPER LIG	12					
X-CIDE 102W	2					
						Total Mud Cost
						Trucking Cost
						Trucking Surcharge
						Taxes
						TOTAL COST



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 08164 A

DATE _____ TICKET NO. _____

DATE OF JOB 4-14-13	DISTRICT Pratt	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER F. G. Hall	LEASE Mormis B		WELL NO. 131							
ADDRESS	COUNTY Barber	STATE KS								
CITY	STATE	SERVICE CREW Orlando, Melvin, Pison								
AUTHORIZED BY	JOB TYPE: C/W 8 3/8 Surface									
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
27283	1						4-17-13			9:00
27463	1									11:00
15831-15863	1									2:00
										3:00
										4:00
						MILES FROM STATION TO WELL 65				

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

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

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CE101	A-Con Blend Cement	SK	200		
CE100	Common Cement	SK	200		
CE102	Cellulose	Lb	100		
CE103	Calcium Chloride	Lb	940		
CE105	Top Rubber Cement plug 3 3/8	ea	1		
CE1753	Centralizer 2 3/4	ea	3		
E100	Pickup Mileage	Mi	65		
E101	Heavy Equipment Mileage	Mi	130		
E113	Bulk Material	Tm	1222		
CE201	Depth Charge 600-1000	ea	1		
CE210	Depth Charge 1000-1500	SK	400		
CE504	Plug Container	ea	1		
S003	Service Supervisor	ea	1		

SUB TOTAL

DLS

CHEMICAL / ACID DATA:			

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

TOTAL

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

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



energy services, L.P.

TREATMENT REPORT

Customer	F. B. Hall	Lease No.		Date	4-14-13
Lease	Mormis	Well #	B 1-31		
Field Order #	8164	Station	Pratt	Casing	8 5/8
				Depth	950
Type Job	CNDW - 8 5/8 Surface			County	Barton
				State	KS
		Formation		Legal Description	31-21-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	8 5/8	Tubing Size		Shots/Ft	2005	Acid	Conc	
Depth	994	Depth		From		Pre Pad	2.47	Max
Volume	63	Volume		To	2005	Pad	Common	Min
Max Press	1000	Max Press		From		Frac	1.20	Avg
Well Connection	P.C.	Annulus Vol.		To				HHP Used
Plug Depth	975	Packer Depth		From		Flush	6.2	Gas Volume
				To				Total Load

Customer Representative	Steve Sloper	Station Manager	Dave Scott	Treater	Steve Orlando
Service Units	27283	27463	19831/19862		
Driver Names	O. Webb	M. Brown	P. Wilson		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00 AM					Dr. Location - Safety Meeting
					Run 23 TB 8 5/8 casing
					Control valves @ 950-450-410
					Casing on Bottom Break Crew/Rig
	400		88	5	Mix 2005 AC @ 12#/60
	400		422	5	Mix 2005 AC @ 15.6#/60
					Release Rubber Plug
	0	0		5	Start H2O Displacement
	400		50	5	Connect TO Surface
2:45 PM	450		62	5	Plug Down
					Job Complete
					Circulation thru job
					Circulated 13 bbl Turb
					Thanks Steve



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 07727 A

DATE _____ TICKET NO. _____

DATE OF JOB 4-25-13	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 Hall Co. LLC	LEASE Mcminis B #1-51		WELL NO.						
ADDRESS	COUNTY Barton 31-2012	STATE KANSAS							
CITY	STATE	SERVICE CREW Allen Mike, Tom							
AUTHORIZED BY	JOB TYPE: 5 1/2" L.S. well								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
A 28443 P.U	3						4-25-13		12:15
19903-19605	3						4-25-13		4:15
19960-21012	3						4-25-13		2:00
							4-25-13		11:00
							4-25-13		11:50
							4-25-13		6:5-mile

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	125		
CP107	60/40 Poz	SK	75		
CC102	CELL FLAKE	lb	32		
CC105	C-41 Defoamer	lb	30		
CC111	SALT	lb	563		
CC113	C-44	lb	118		
CC129	FIA-322	lb	116		
CC201	Gilsewite	lb	1625		
CF607	Latch Driller Plug & Raffle 5/8"	EA	1		
CF1251	Auto Fill Float Shoe 5/8" Blue	EA	1		
CF1651	Turbolizer 5/8" Blue	EA	8		
CF2003	Cement Scratchers	EA	40		
CF1901	5/8" Basket Blue	EA	1		
CF154	Super Flush	gal	500		
SUB TOTAL					

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE *Alfred W. Weath* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



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

L 718 01120 A

ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

DATE TICKET NO. 07727

JOB # <u>4-25-13</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>Mermis 'B' #1-31</u> WELL NO.					
ADDRESS				COUNTY <u>Barton 30-20-15</u> STATE <u>Ks.</u>					
CITY STATE				SERVICE CREW <u>Allen, Mike, Tom</u>					
AUTHORIZED BY				JOB TYPE: <u>5 1/2" L.S. C.M.W.</u>					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>#28443 P10</u>	<u>3</u>						<u>4-25-13</u>	<u>PM</u>	<u>1215</u>
<u>#19903-19905</u>	<u>3</u>					ARRIVED AT JOB	<u>4-25-13</u>	<u>AM</u>	<u>415</u>
<u>#19960-21010</u>	<u>3</u>					START OPERATION	<u>4-25-13</u>	<u>AM</u>	<u>800</u>
						FINISH OPERATION	<u>4-25-13</u>	<u>AM</u>	<u>1100</u>
						RELEASED	<u>4-25-13</u>	<u>AM</u>	<u>1130</u>
						MILES FROM STATION TO WELL	<u>6.5-mile</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: Rob Lane
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E100	unit mileage charge P.H.	mi	6.5		
E101	Heavy Equip mileage	mi	130		
E113	Bulk Delivery Charge	TM	595		
CE204	Depth Charge 3001-4000'	4-hr	1		
CE240	Blending & mixing service chg	SK	200		
CE501	CASING SWIVEL RENTAL 5 1/2"	EA	1		
CE504	Plug Container 5 1/2"	Job	1		
8003	Service Supervisor first 8hrs	EA	1		

SUB TOTAL DLS

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Allen F. Wank
FIELD SERVICE ORDER NO.

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Rob Lane
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Holl Co. LLC Lease No. Date
 Mermis 'B' Well # 1-31 4-25-13
 Field Order # 57727 Station Pratt KS Casing 5 1/2' Depth 3949 County Barton State KS
 Type Job 5 1/2" Long String Formation CNW Legal Description 31-20-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size	Shots/Ft	12 BBL	Acid	Super Flush	RATE	PRESS	ISIP
Depth 3949'	Depth	From	To 255 SKS	Pre Pad	scavenger @ 14#			5 Min.
Volume 93.6 BB	Volume	From	To 125 SKS	Pad	AA2 @ 15#			10 Min.
Max Press 1500	Max Press	From	To RH	Frac	30 SKS 60/40			15 Min.
Well Connection PC	Annulus Vol.	From	To MH		20 SKS 60/40	HHP Used		Annulus Pressure
Plug Depth 3934.44'	Packer Depth	From	To	Flush	DISP. H2O.	Gas Volume		Total Load

Customer Representative Rob Long Station Manager Scotty Treater Allen

Service Units	28443	19903	19905	19960	21010
Driver Names	Allen	mike	matt	Tom	Mehlhorn

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
415pm	4-25-13				Duke #8 on Loc. Discuss Safety, Setup Plan Job Laying down Drill Collars out of Hole, Lay down Kelly + Mouse Hole Rig up To Run 5 1/2' csg. 15.5#/ft
610					Start csg. Shoe Jt. 14.56 w/ Auto Fill Float Shoe, L.D. Baffle in collar. cent. #1 Thru #8 - Basket #6
800#					Trg Bottom @ 3950' Pickup To 3949 CIR + Rotate csg.
1000	150#		5	5	Pump 5 BBL H2O spacer
			12	5	Pump 12 BBL Super flush 500gal
			5	5	Pump 5 BBL H2O spacer
			6	5	Mix 25 SKS 60/40 scavenger 14#
				5	Mix 125 SKS AA2 @ 15#
			32		Finish mixing, washout P.L.
				6 1/2	Drop L.D. Plug. Start Disp.
1045	500#				Caught Lift PST 62 BBL out
	1500#		93 1/2		Plug down
	0#		Ke		Release To TRK OK 5-BBL
1130			7		Plug RH w/ 30 SKS Mouse hole 20 SKS washup. Job complete



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 08432 A

DATE _____ TICKET NO. _____

DATE OF JOB 5-15-13	DISTRICT Pratt	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:		
CUSTOMER F. G. Hall, LLC	LEASE Main	WELL NO. 131							
ADDRESS	COUNTY Butler	STATE KS							
CITY	STATE	SERVICE CREW Orlando, Matthew							
AUTHORIZED BY	JOB TYPE: C New - Service Parts								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
							5-15-13		
						ARRIVED AT JOB		AM PM	
						START OPERATION		AM PM	
						FINISH OPERATION		AM PM	
						RELEASED		AM PM	11:30
						MILES FROM STATION TO WELL			65

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

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

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

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
AK325	1520 HCL II	gal	150		
C204	AMTB	lb	1		
CPI08	Chemical Pump Component	sq	25		
CE112	Energy Control Valve	lb	7		
E100	Energy Control Valve	mi	6		
E101	Energy Control Valve	mi	6		
CE209	Depositor	ea	1		
S003	Service Supervisor	ea	1		
CE500	Service Supervisor	ea	1		

CHEMICAL / ACID DATA:			

SUB TOTAL	6684.74
SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	

SERVICE REPRESENTATIVE Steve Albino	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]
--	--

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer F.G. Hall	Lease No.	Date 5-15-13	
Lease Mormis	Well # B1-31		
Field Order # 8432	Station Pratt	Casing 5 1/2"	Depth 5213
Type Job COW - Sequestrants	Formation	County Barton	State KS
Legal Description 31-20-15			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
5 1/2"	3 1/2"		1506	1520 HCL				
Depth	Depth	From	To	Pre Pad	Max			5 Min.
Volume	Volume	From	To	Pad	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative Robbly	Station Manager Dave Scott	Treater Steve O'Leary
-----------------------------------	-------------------------------	--------------------------

Service Units	27083	27463							
Driver Names	Alonzo	Walter							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00					On location Safety Meeting
					Start H2O To Load Hole
		200	0	1	Loaded Start Ann To Spot
		200	21	1	Acid To Pack
					Close bypass
		1500	0	2	Start H2O To Treat
		1100	6	2	Acid Charge
		1000	16		Over-Flow Tubing
					Met 25 lbs Fire pipe cement in Tub 1st
		500	0	3	Start Cement To Spot
		500	21.5	1	Cement To Packer
				1	Close bypass Start To Replace cement
		1000	3 1/2	1	Pressure up
		2000	4	1	Increase pressure
		2200	5	1	Release back to pressure to 2200
					No Reaction
	500	500		2	Release bypass - Pressure cut
	500	500	20 1/2	2	Cement
	500	500	23	2	Cement Clear Over-Flow 10 bbl
					Pull 5 JTs
					Pressure to 500# Close In
11:00					Job Complete



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 E. Central STE 100
Wichita Kansas, 67208-2563

ATTN: Frank Greenbaum

Mermis "B" #1-31

31-20s-15w-Barton

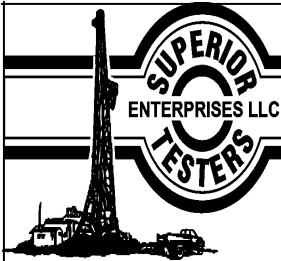
Start Date: 2013.04.20 @ 01:00:00

End Date: 2013.04.20 @ 06:41:30

Job Ticket #: 17570 DST #: 1

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

Printed: 2013.04.20 @ 19:02:53



DRILL STEM TEST REPORT

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

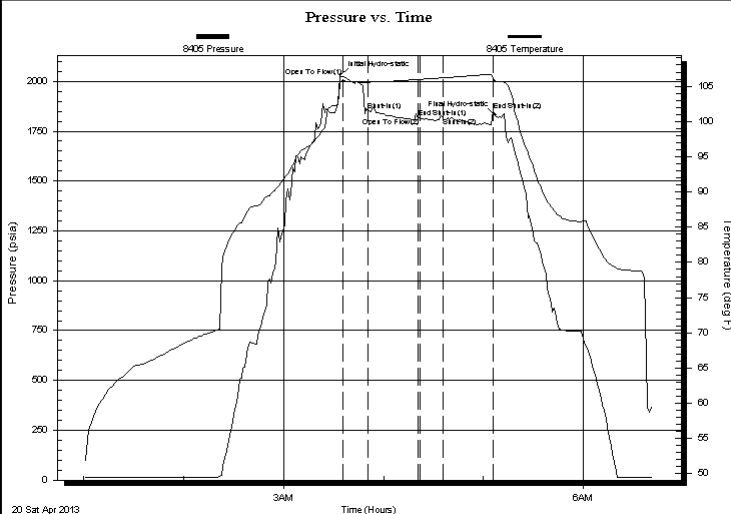
31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17570 **DST#: 1**
 Test Start: 2013.04.20 @ 01:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:35:30
 Time Test Ended: 06:41:30
Interval: 3778.00 ft (KB) To 3784.00 ft (KB) (TVD)
 Total Depth: 3784.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/50/Great Bend
 Reference Elevations: 2001.00 ft (KB)
 1993.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8405 Inside
 Press @ RunDepth: 1817.98 psia @ 3780.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.04.20 End Date: 2013.04.20 Last Calib.: 2013.04.20
 Start Time: 01:00:00 End Time: 06:41:30 Time On Btm: 2013.04.20 @ 03:34:00
 Time Off Btm: 2013.04.20 @ 05:07:00

TEST COMMENT: 1st Open/ 15 Minutes. Weak blow built to 1/2 inche in 5 gallon bucket.
 1st Shut In/ 30 Minutes. No blow back.
 2nd Open/ 15 Minutes. Weak surface blow .
 2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2031.07	105.61	Initial Hydro-static
2	2022.43	105.74	Open To Flow (1)
17	1852.67	105.58	Shut-In(1)
47	1817.56	105.94	End Shut-In(1)
48	1817.18	105.96	Open To Flow (2)
62	1817.98	106.19	Shut-In(2)
92	1854.92	106.19	End Shut-In(2)
93	1830.12	105.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% mud	0.14

Gas Rates

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



DRILL STEM TEST REPORT

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

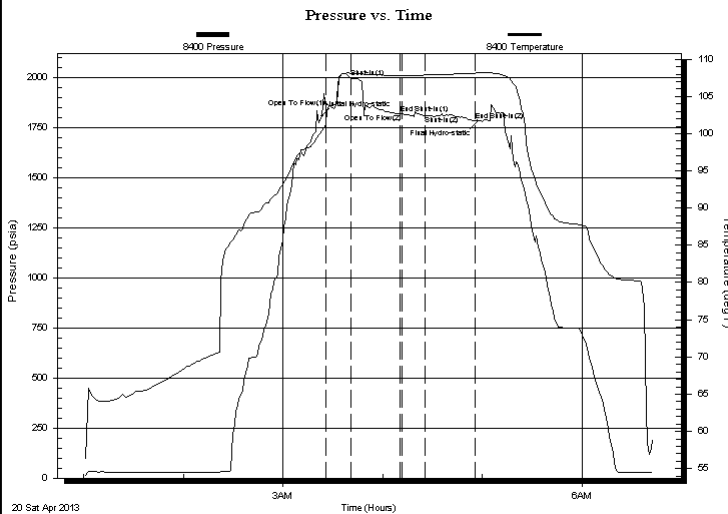
31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17570 **DST#: 1**
 Test Start: 2013.04.20 @ 01:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:35:30
 Time Test Ended: 06:41:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/50/Great Bend
 Interval: **3778.00 ft (KB) To 3784.00 ft (KB) (TVD)**
 Reference Elevations: 2001.00 ft (KB)
 Total Depth: 3784.00 ft (KB) (TVD) 1993.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 8.00 ft

Serial #: 8400 Outside
 Press @ Run Depth: 1784.97 psia @ 3781.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.04.20 End Date: 2013.04.20 Last Calib.: 2013.04.20
 Start Time: 01:00:00 End Time: 06:42:30 Time On Btm: 2013.04.20 @ 03:23:30
 Time Off Btm: 2013.04.20 @ 04:57:00

TEST COMMENT: 1st Open/ 15 Minutes. Weak blow built to 1/2 inche in 5 gallon bucket.
 1st Shut In/ 30 Minutes. No blow back.
 2nd Open/ 15 Minutes. Weak surface blow .
 2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1810.53	100.43	Initial Hydro-static
2	1850.12	101.25	Open To Flow (1)
17	2002.23	108.13	Shut-In(1)
47	1818.93	107.84	End Shut-In(1)
48	1818.86	107.83	Open To Flow (2)
62	1812.25	107.88	Shut-In(2)
92	1784.97	108.13	End Shut-In(2)
94	1783.32	108.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% mud	0.14

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17570 **DST#: 1**
 Test Start: 2013.04.20 @ 01:00:00

Tool Information

Drill Pipe:	Length: 3781.00 ft	Diameter: 3.80 inches	Volume: 53.04 bbl	Tool Weight: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 53.04 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3778.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3755.00	
Hydraulic Tool	5.00			3760.00	
Jars	6.00			3766.00	
Safety Joint	2.00			3768.00	
Packer	5.00			3773.00	28.00 Bottom Of Top Packer
Packer	5.00			3778.00	
Anchor	1.00			3779.00	
Recorder	1.00	8405	Inside	3780.00	
Recorder	1.00	8400	Outside	3781.00	
Bullnose	3.00			3784.00	6.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company LLC

31-20s-15w-Barton

9431 E. Central STE 100
Wichita Kansas, 67208-2563

Mermis "B" #1-31

Job Ticket: 17570

DST#: 1

ATTN: Frank Greenbaum

Test Start: 2013.04.20 @ 01:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 8.00 in³
Resistivity: ohm.m
Salinity: 3800.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

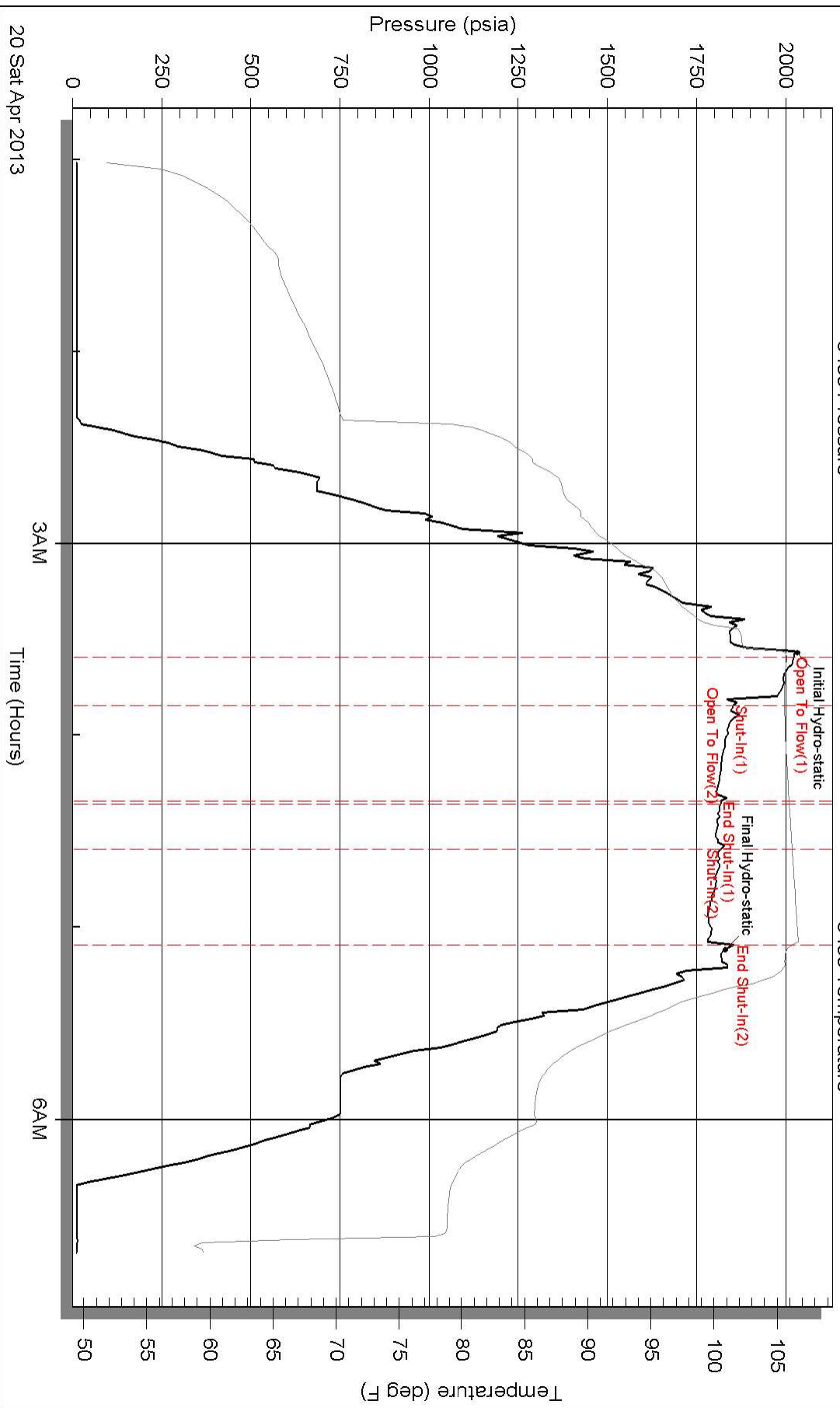
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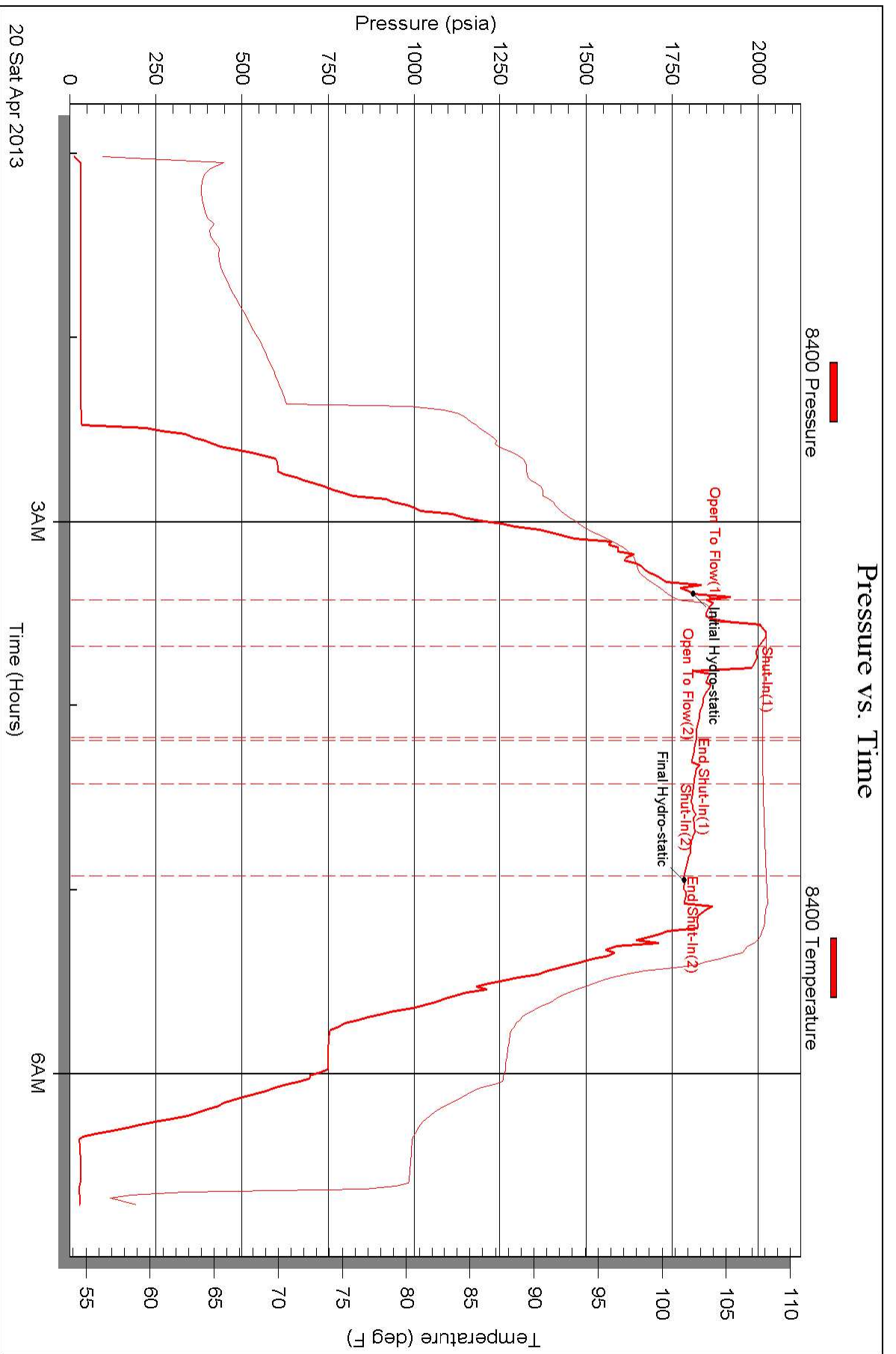
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 E. Central STE 100
Wichita Kansas, 67208-2563

ATTN: Frank Greenbaum

Mermis "B" #1-31

31-20s-15w-Barton

Start Date: 2013.04.21 @ 01:15:00

End Date: 2013.04.21 @ 07:44:30

Job Ticket #: 17571 DST #: 2

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

Printed: 2013.04.21 @ 08:04:51



DRILL STEM TEST REPORT

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17571 **DST#: 2**
 Test Start: 2013.04.21 @ 01:15:00

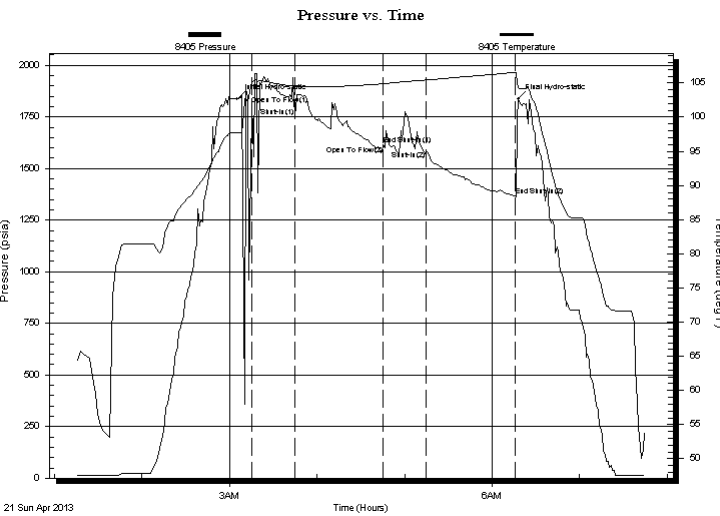
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:15:30
 Time Test Ended: 07:44:30
 Interval: **3779.00 ft (KB) To 3786.00 ft (KB) (TVD)**
 Total Depth: 3786.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/50/Great Bend
 Reference Elevations: 2001.00 ft (KB)
 1993.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8405

Press @ RunDepth: 1587.96 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.04.21 End Date: 2013.04.21 Last Calib.: 2013.04.21
 Start Time: 01:15:00 End Time: 07:44:30 Time On Btm: 2013.04.21 @ 03:05:30
 Time Off Btm: 2013.04.21 @ 06:18:00

TEST COMMENT: 1st Open/ 30 Minutes. Fair Blow built to 3 inches in 5 gallon bucket.
 1st Shut In/ 60 Minutes. No blow back
 2nd Open/ 30 Minutes. Weak blow built to 1.5 inches in 5 gallon bucket.
 2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1837.70	97.74	Initial Hydro-static
10	1808.80	105.08	Open To Flow (1)
40	1793.01	104.52	Shut-In(1)
100	1614.70	104.90	End Shut-In(1)
100	1612.98	104.91	Open To Flow (2)
130	1587.96	105.44	Shut-In(2)
190	1365.85	106.54	End Shut-In(2)
193	1836.80	104.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	100% mud	0.91

Gas Rates

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



DRILL STEM TEST REPORT

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17571 **DST#: 2**
 Test Start: 2013.04.21 @ 01:15:00

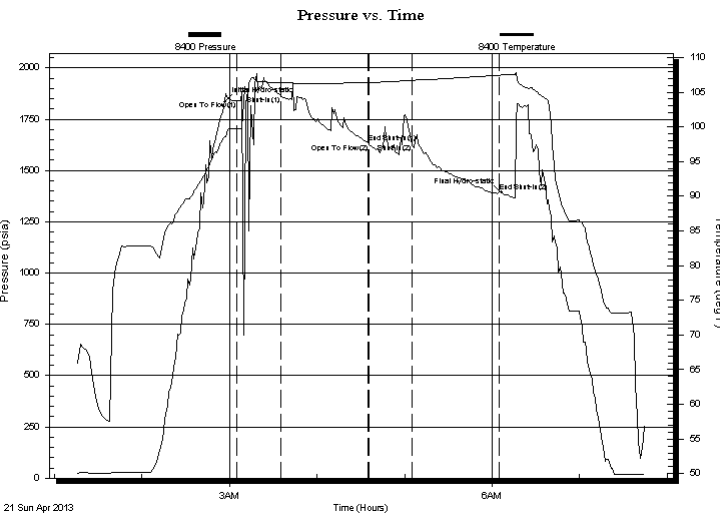
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 03:15:30
 Tester: Shane Konzem
 Time Test Ended: 07:44:30
 Unit No: 3330/50/Great Bend
 Interval: **3779.00 ft (KB) To 3786.00 ft (KB) (TVD)**
 Reference Elevations: 2001.00 ft (KB)
 Total Depth: 3786.00 ft (KB) (TVD) 1993.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8400

Press @ RunDepth: 1398.19 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.04.21 End Date: 2013.04.21 Last Calib.: 2013.04.21
 Start Time: 01:15:00 End Time: 07:44:30 Time On Btm: 2013.04.21 @ 02:57:00
 Time Off Btm: 2013.04.21 @ 06:06:30

TEST COMMENT: 1st Open/ 30 Minutes. Fair Blow built to 3 inches in 5 gallon bucket.
 1st Shut In/ 60 Minutes. No blow back
 2nd Open/ 30 Minutes. Weak blow built to 1.5 inches in 5 gallon bucket.
 2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1835.22	98.66	Initial Hydro-static
8	1840.24	99.79	Open To Flow (1)
38	1864.22	106.38	Shut-In(1)
98	1636.80	106.39	End Shut-In(1)
99	1632.23	106.39	Open To Flow (2)
128	1630.74	106.71	Shut-In(2)
188	1398.19	107.46	End Shut-In(2)
190	1392.48	107.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	100% mud	0.91

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17571 **DST#: 2**
 Test Start: 2013.04.21 @ 01:15:00

Tool Information

Drill Pipe:	Length: 3783.00 ft	Diameter: 3.80 inches	Volume: 53.07 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: 53.07 bbl</u>	Tool Chased	6.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	41000.00 lb
Depth to Top Packer:	3779.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	35.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: After test tool was full of very thick mud and a lot of large cuttings.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3756.00	
Hydraulic Tool	5.00			3761.00	
Jars	6.00			3767.00	
Safety Joint	2.00			3769.00	
Packer	5.00			3774.00	28.00 Bottom Of Top Packer
Packer	5.00			3779.00	
Anchor	2.00			3781.00	
Recorder	1.00	8405	Inside	3782.00	
Recorder	1.00	8400	Outside	3783.00	
Bullnose	3.00			3786.00	7.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company LLC

31-20s-15w-Barton

9431 E. Central STE 100
Wichita Kansas, 67208-2563

Mermis "B" #1-31

Job Ticket: 17571

DST#: 2

ATTN: Frank Greenbaum

Test Start: 2013.04.21 @ 01:15:00

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: 3800.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

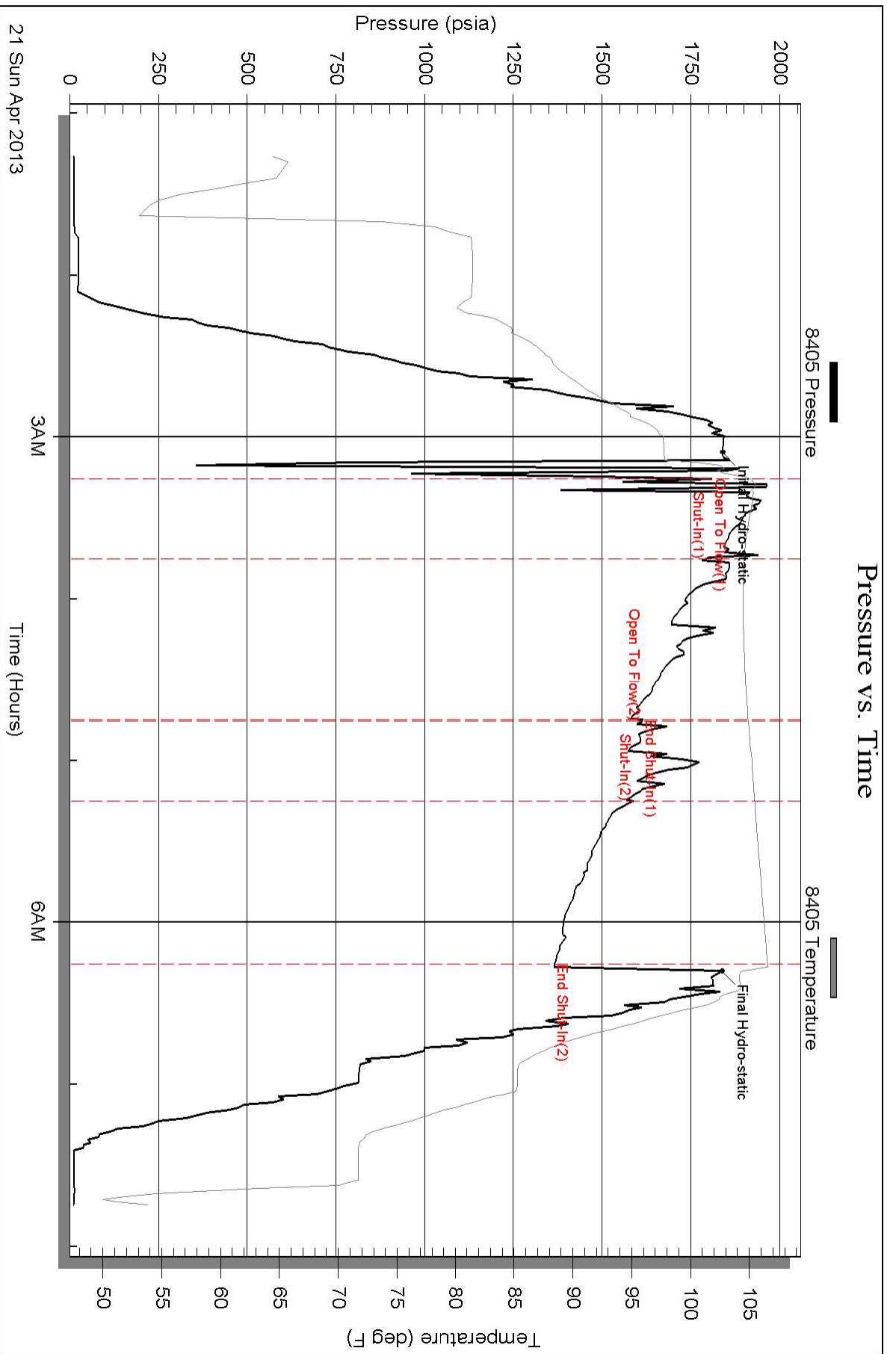
Length ft	Description	Volume bbl
65.00	100% mud	0.912

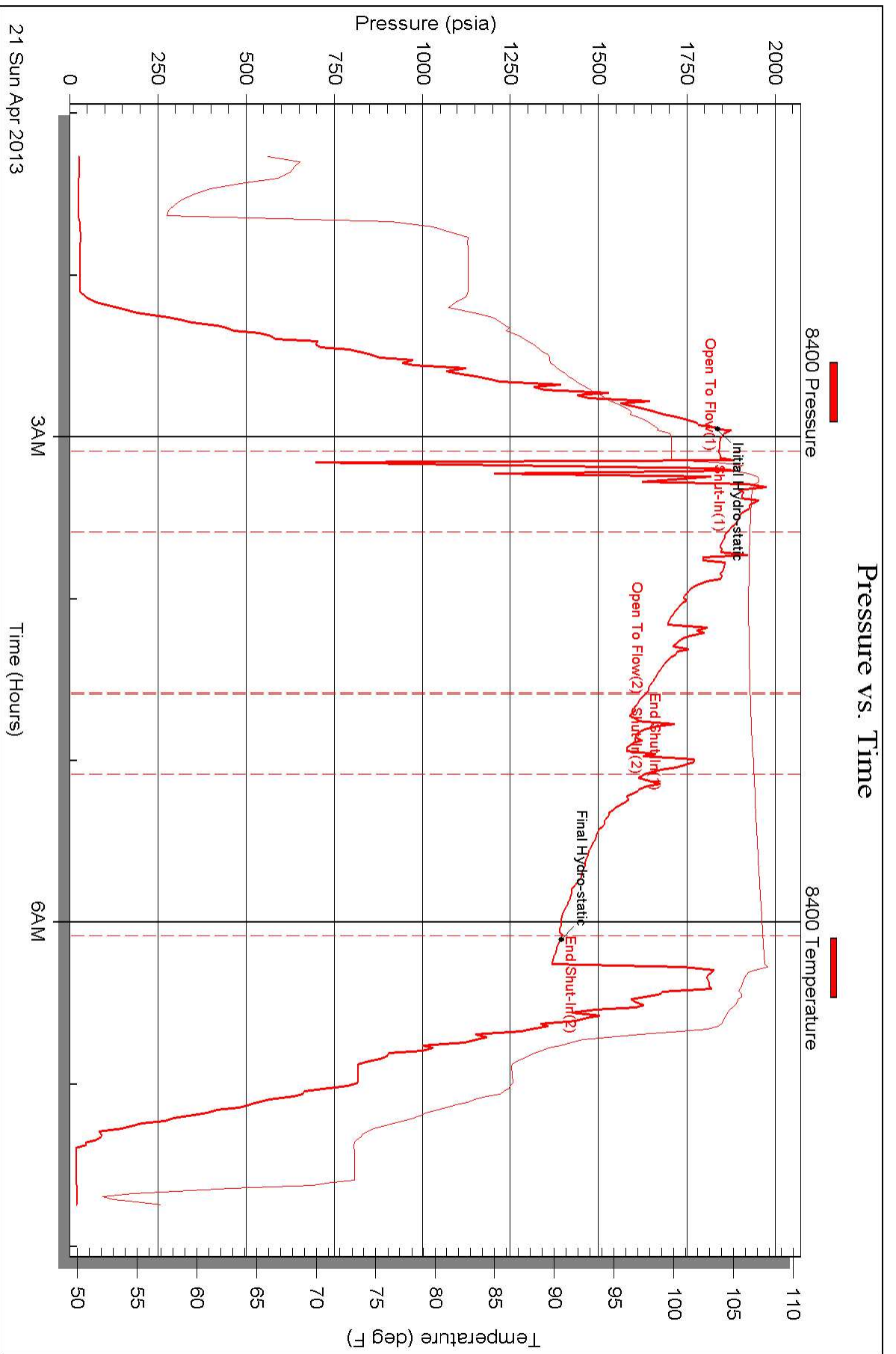
Total Length: 65.00 ft Total Volume: 0.912 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Mud w as very thick.







DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 E. Central STE 100
Wichita Kansas, 67208-2563

ATTN: Frank Greenbaum

Mermis "B" #1-31

31-20s-15w-Barton

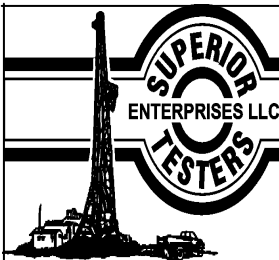
Start Date: 2013.04.21 @ 16:30:00

End Date: 2013.04.21 @ 22:53:00

Job Ticket #: 17572 DST #: 3

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

Printed: 2013.04.21 @ 23:12:27



DRILL STEM TEST REPORT

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

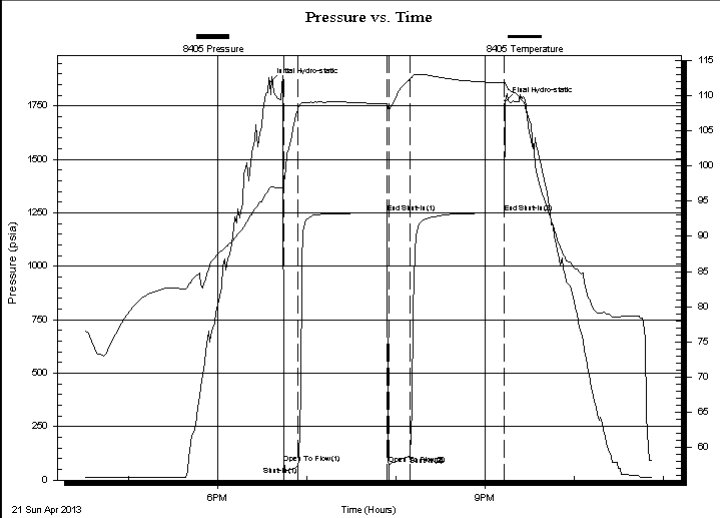
31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17572 **DST#: 3**
 Test Start: 2013.04.21 @ 16:30:00

GENERAL INFORMATION:

Formation: Arbuckle		
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 18:44:30		Tester: Shane Konzem
Time Test Ended: 22:53:00		Unit No: 3330/50/Great Bend
Interval: 3780.00 ft (KB) To 3791.00 ft (KB) (TVD)		Reference Elevations: 2001.00 ft (KB)
Total Depth: 3791.00 ft (KB) (TVD)		1993.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 8.00 ft

Serial #: 8405	Inside				
Press @ RunDepth: 112.58 psia @ 3787.00 ft (KB)		Capacity: 5000.00 psia			
Start Date: 2013.04.21	End Date: 2013.04.21	Last Calib.: 2013.04.21			
Start Time: 16:30:00	End Time: 22:53:00	Time On Btm: 2013.04.21 @ 18:35:00			
		Time Off Btm: 2013.04.21 @ 21:13:30			

TEST COMMENT: 1st Open/ 6 Minutes. Strong blow that built to the bottom of a 5 gallon bucket in 30 seconds.
 1st Shut In/ 60 Minutes. No blow back
 2nd Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 1 minute 30 seconds. No gas to surface.
 2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1860.58	96.92	Initial Hydro-static
10	77.27	97.59	Open To Flow (1)
19	63.98	108.23	Shut-In(1)
79	1249.61	108.84	End Shut-In(1)
80	73.78	108.03	Open To Flow (2)
95	112.58	112.42	Shut-In(2)
158	1248.79	111.82	End Shut-In(2)
159	1771.15	111.93	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	100% mud	0.84
120.00	100% water	1.68
0.00	chloride recov 32000 ppm,	0.00
0.00	resist recov .23 ohms at 40 degrees.	0.00

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



DRILL STEM TEST REPORT

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

31-20s-15w-Barton

Mermis "B" #1-31

Job Ticket: 17572

DST#: 3

Test Start: 2013.04.21 @ 16:30:00

GENERAL INFORMATION:

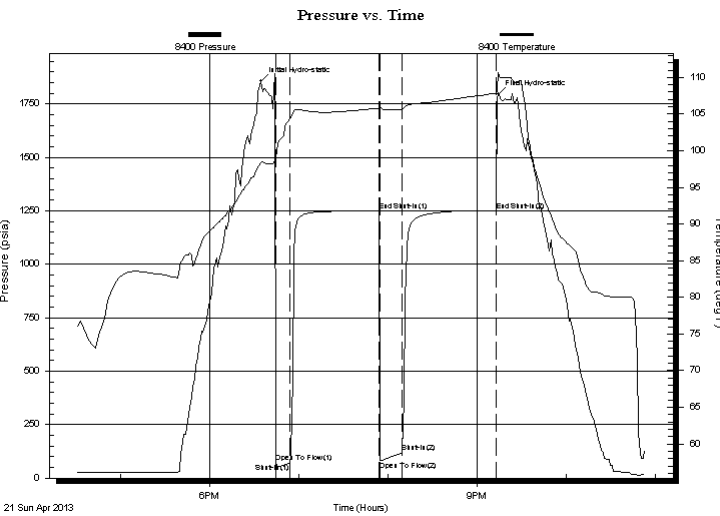
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:44:30
 Time Test Ended: 22:53:00
 Interval: **3780.00 ft (KB) To 3791.00 ft (KB) (TVD)**
 Total Depth: 3791.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/50/Great Bend
 Reference Elevations: 2001.00 ft (KB)
 1993.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8400

Outside

Press @ RunDepth: 1250.52 psia @ 3788.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.04.21 End Date: 2013.04.21 Last Calib.: 2013.04.21
 Start Time: 16:30:00 End Time: 22:52:30 Time On Btm: 2013.04.21 @ 18:34:30
 Time Off Btm: 2013.04.21 @ 21:14:00

TEST COMMENT: 1st Open/ 6 Minutes. Strong blow that built to the bottom of a 5 gallon bucket in 30 seconds.
 1st Shut In/ 60 Minutes. No blow back
 2nd Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 1 minute 30 seconds. No gas to surface.
 2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1856.96	98.34	Initial Hydro-static
10	74.80	99.03	Open To Flow (1)
20	71.70	104.39	Shut-In(1)
80	1251.04	105.80	End Shut-In(1)
80	80.94	105.89	Open To Flow (2)
95	120.79	105.66	Shut-In(2)
158	1250.52	107.82	End Shut-In(2)
160	1796.07	110.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% mud	0.84
120.00	100% water	1.68
0.00	chloride recov 32000 ppm,	0.00
0.00	resist recov .23 ohms at 40 degrees.	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17572 **DST#: 3**
 Test Start: 2013.04.21 @ 16:30:00

Tool Information

Drill Pipe:	Length: 3777.00 ft	Diameter: 3.80 inches	Volume: 52.98 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: 52.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3780.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3757.00	
Hydraulic Tool	5.00			3762.00	
Jars	6.00			3768.00	
Safety Joint	2.00			3770.00	
Packer	5.00			3775.00	28.00 Bottom Of Top Packer
Packer	5.00			3780.00	
Anchor	6.00			3786.00	
Recorder	1.00	8405	Inside	3787.00	
Recorder	1.00	8400	Outside	3788.00	
Bullnose	3.00			3791.00	11.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company LLC

31-20s-15w-Barton

9431 E. Central STE 100
Wichita Kansas, 67208-2563

Mermis "B" #1-31

Job Ticket: 17572

DST#: 3

ATTN: Frank Greenbaum

Test Start: 2013.04.21 @ 16:30:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 8.00 in³
Resistivity: ohm.m
Salinity: 4800.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	100% mud	0.842
120.00	100% water	1.683
0.00	chloride recov 32000 ppm,	0.000
0.00	resist recov .23 ohms at 40 degrees.	0.000

Total Length: 180.00 ft Total Volume: 2.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

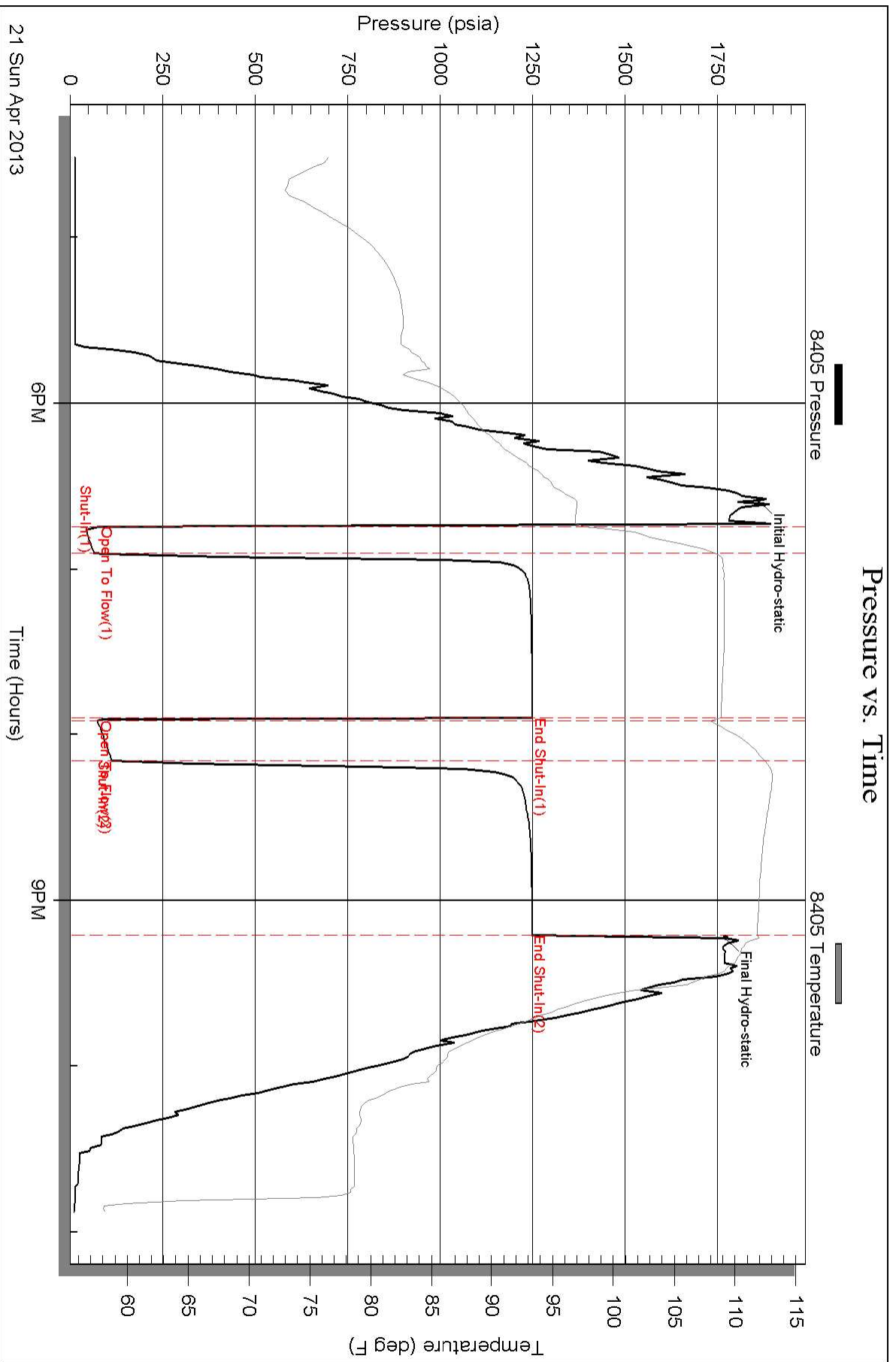
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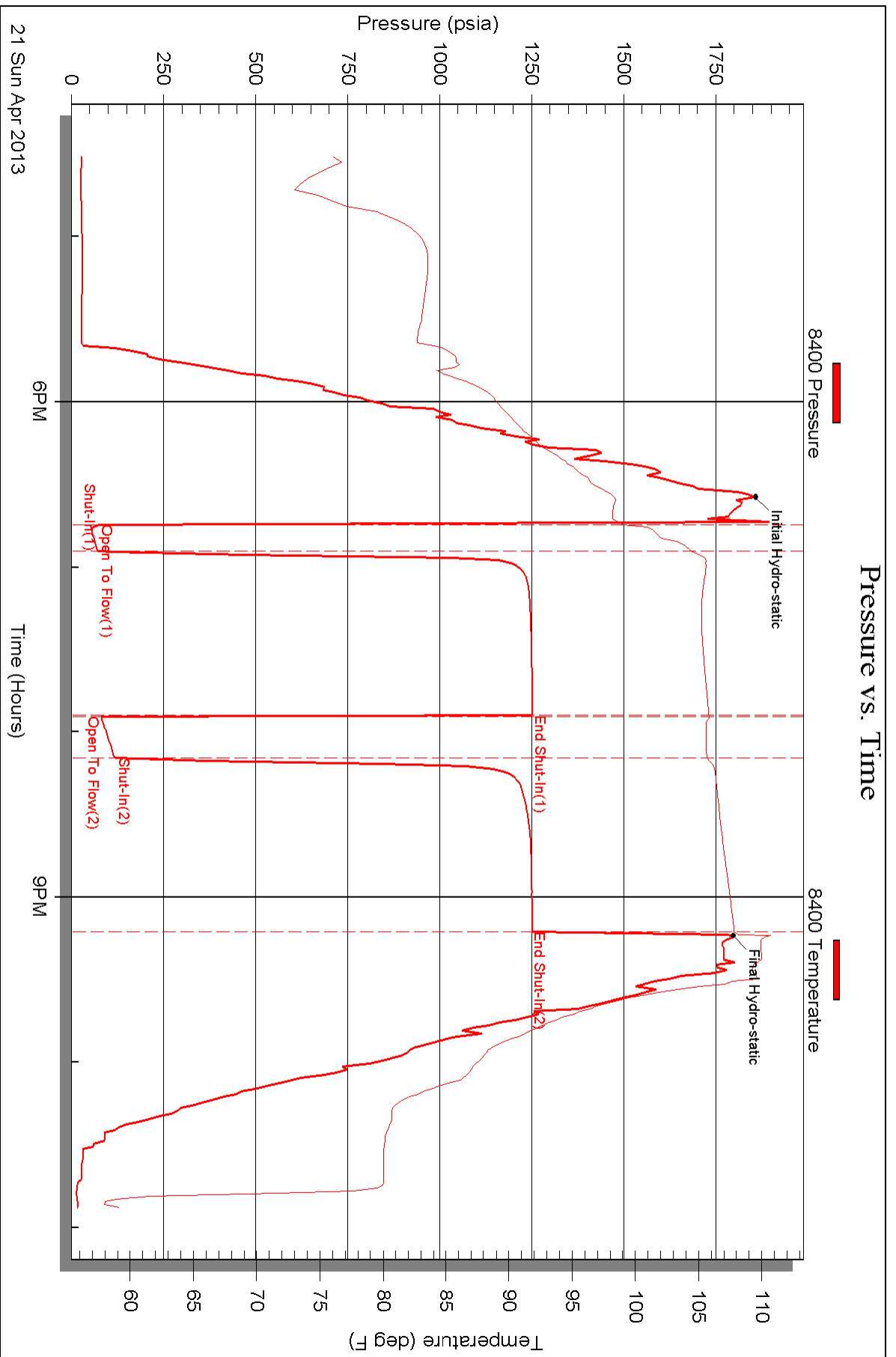
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





21 Sun Apr 2013

6PM

Time (Hours)

9PM

Temperature (deg F)

Pressure (psia)



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 E. Central STE 100
Wichita Kansas, 67208-2563

ATTN: Frank Greenbaum

Mermis "B" #1-31

31-20s-15w-Barton

Start Date: 2013.04.22 @ 08:30:00

End Date: 2013.04.22 @ 14:16:30

Job Ticket #: 17573 DST #: 4

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

Printed: 2013.04.22 @ 14:39:12



DRILL STEM TEST REPORT

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

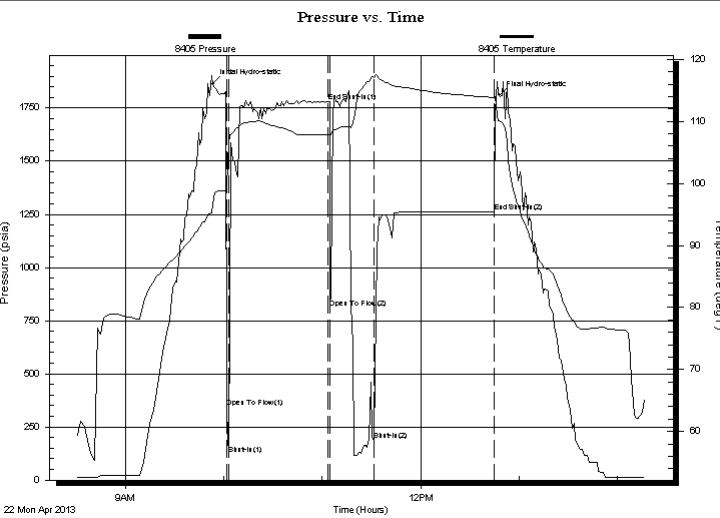
31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17573 **DST#: 4**
 Test Start: 2013.04.22 @ 08:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:02:00
 Time Test Ended: 14:16:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/50/Great Bend
 Interval: **3805.00 ft (KB) To 3815.00 ft (KB) (TVD)**
 Total Depth: 3815.00 ft (KB) (TVD)
 Reference Elevations: 2001.00 ft (KB)
 1993.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8405 Inside
 Press @ RunDepth: 186.84 psia @ 3811.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.04.22 End Date: 2013.04.22 Last Calib.: 2013.04.22
 Start Time: 08:30:00 End Time: 14:16:30 Time On Btm: 2013.04.22 @ 09:53:30
 Time Off Btm: 2013.04.22 @ 12:48:00

TEST COMMENT: 1st Open/ 1 Minutes. Strong blow built to bottom of 5 gallon bucket in 330 seconds.
 1st Shut In/ 60 Minutes. No Blow back.
 2nd Open/ 36 Minutes. After flushing tool blow built to bottom of 5 gallon bucket in 3 1/2 minutes.
 2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1863.33	96.55	Initial Hydro-static
9	341.69	99.01	Open To Flow (1)
10	123.05	106.30	Shut-In(1)
70	1779.21	107.90	End Shut-In(1)
72	810.75	107.67	Open To Flow (2)
98	186.84	117.12	Shut-In(2)
172	1261.88	113.81	End Shut-In(2)
175	1808.70	110.05	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
70.00	100% mud	0.98
60.00	25% mud, 75% water	0.84
120.00	100% water	1.68
0.00	chloride recov 3200 ppm	0.00
0.00	resist recov .22 ohms at 40 degrees.	0.00

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



DRILL STEM TEST REPORT

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

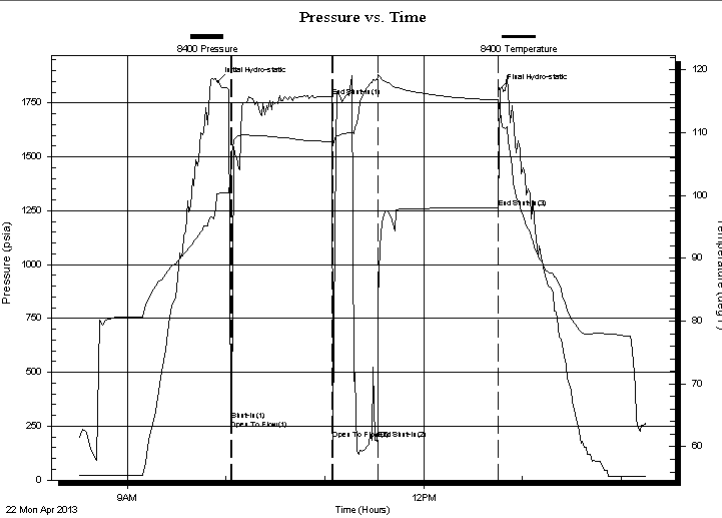
31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17573 **DST#: 4**
 Test Start: 2013.04.22 @ 08:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 10:02:00 Tester: Shane Konzem
 Time Test Ended: 14:16:30 Unit No: 3330/50/Great Bend
 Interval: **3805.00 ft (KB) To 3815.00 ft (KB) (TVD)** Reference Elevations: 2001.00 ft (KB)
 Total Depth: 3815.00 ft (KB) (TVD) 1993.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8400 Outside
 Press @ RunDepth: 1262.44 psia @ 3812.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.04.22 End Date: 2013.04.22 Last Calib.: 2013.04.22
 Start Time: 08:30:00 End Time: 14:16:00 Time On Btm: 2013.04.22 @ 09:55:00
 Time Off Btm: 2013.04.22 @ 12:46:30

TEST COMMENT: 1st Open/ 1 Minutes. Strong blow built to bottom of 5 gallon bucket in 330 seconds.
 1st Shut In/ 60 Minutes. No Blow back.
 2nd Open/ 36 Minutes. After flushing tool blow built to bottom of 5 gallon bucket in 3 1/2 minutes.
 2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1848.83	100.30	Initial Hydro-static
8	235.09	103.78	Open To Flow (1)
9	278.81	106.61	Shut-In(1)
69	1779.49	108.58	End Shut-In(1)
70	191.49	107.99	Open To Flow (2)
97	230.52	118.86	End Shut-In(2)
171	1262.44	115.20	End Shut-In(3)
172	1814.22	113.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	100% mud	0.98
60.00	25% mud, 75% water	0.84
120.00	100% w ater	1.68
0.00	chloride recov 3200 ppm	0.00
0.00	resist recov .22 ohms at 40 degrees.	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company LLC

31-20s-15w-Barton

9431 E. Central STE 100
Wichita Kansas, 67208-2563

Mermis "B" #1-31

Job Ticket: 17573

DST#: 4

ATTN: Frank Greenbaum

Test Start: 2013.04.22 @ 08:30:00

Tool Information

Drill Pipe:	Length: 3810.00 ft	Diameter: 3.80 inches	Volume: 53.44 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: 59000.00 lb
		Total Volume: 53.44 bbl		Tool Chased 1.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3805.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3782.00	
Hydraulic Tool	5.00			3787.00	
Jars	6.00			3793.00	
Safety Joint	2.00			3795.00	
Packer	5.00			3800.00	28.00 Bottom Of Top Packer
Packer	5.00			3805.00	
Anchor	5.00			3810.00	
Recorder	1.00	8405	Inside	3811.00	
Recorder	1.00	8400	Outside	3812.00	
Bullnose	3.00			3815.00	10.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company LLC
9431 E. Central STE 100
Wichita Kansas, 67208-2563
ATTN: Frank Greenbaum

31-20s-15w-Barton
Mermis "B" #1-31
Job Ticket: 17573 **DST#: 4**
Test Start: 2013.04.22 @ 08:30:00

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5600.00 ppm			
Filter Cake: 1.00 inches			

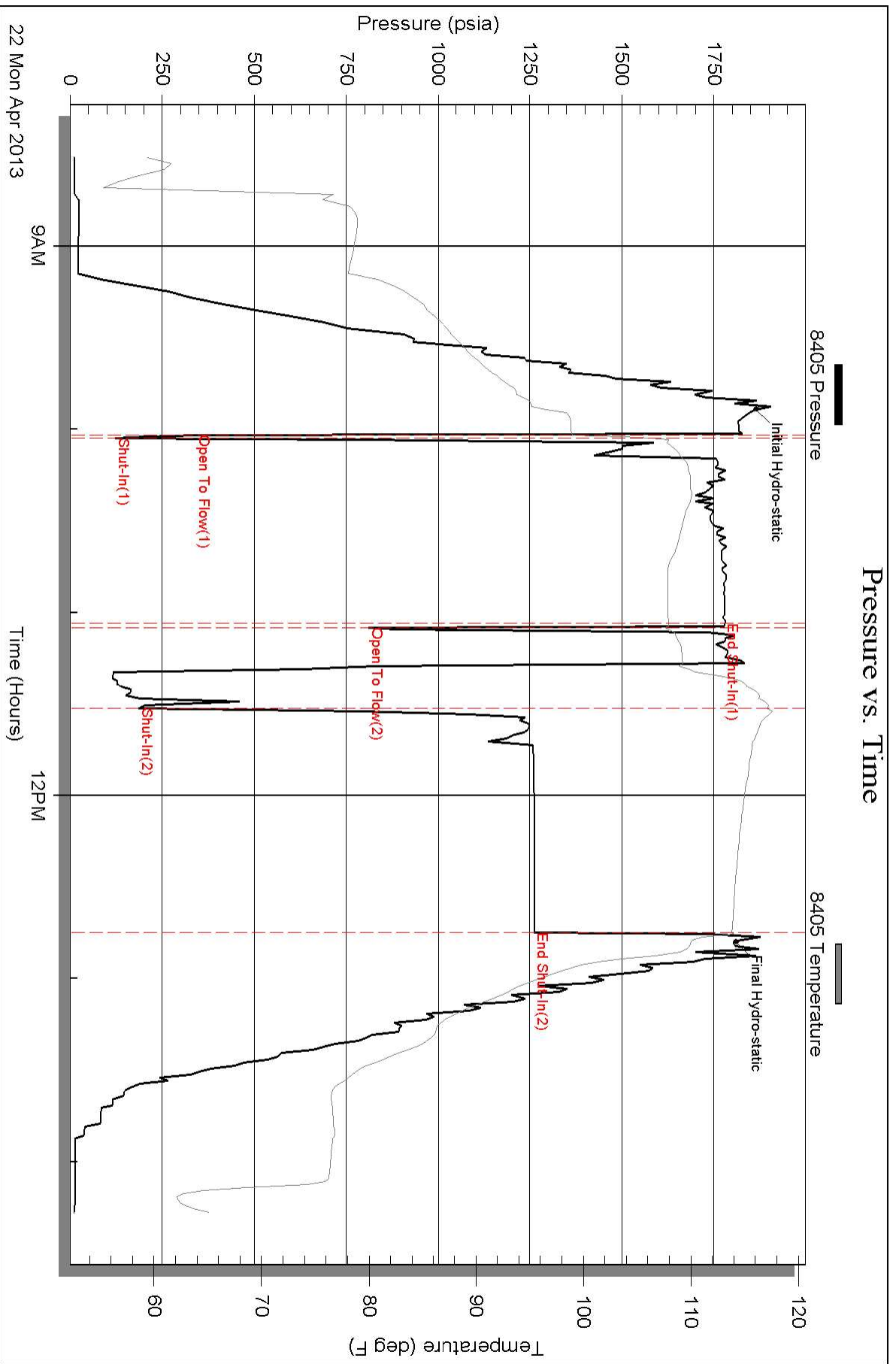
Recovery Information

Recovery Table

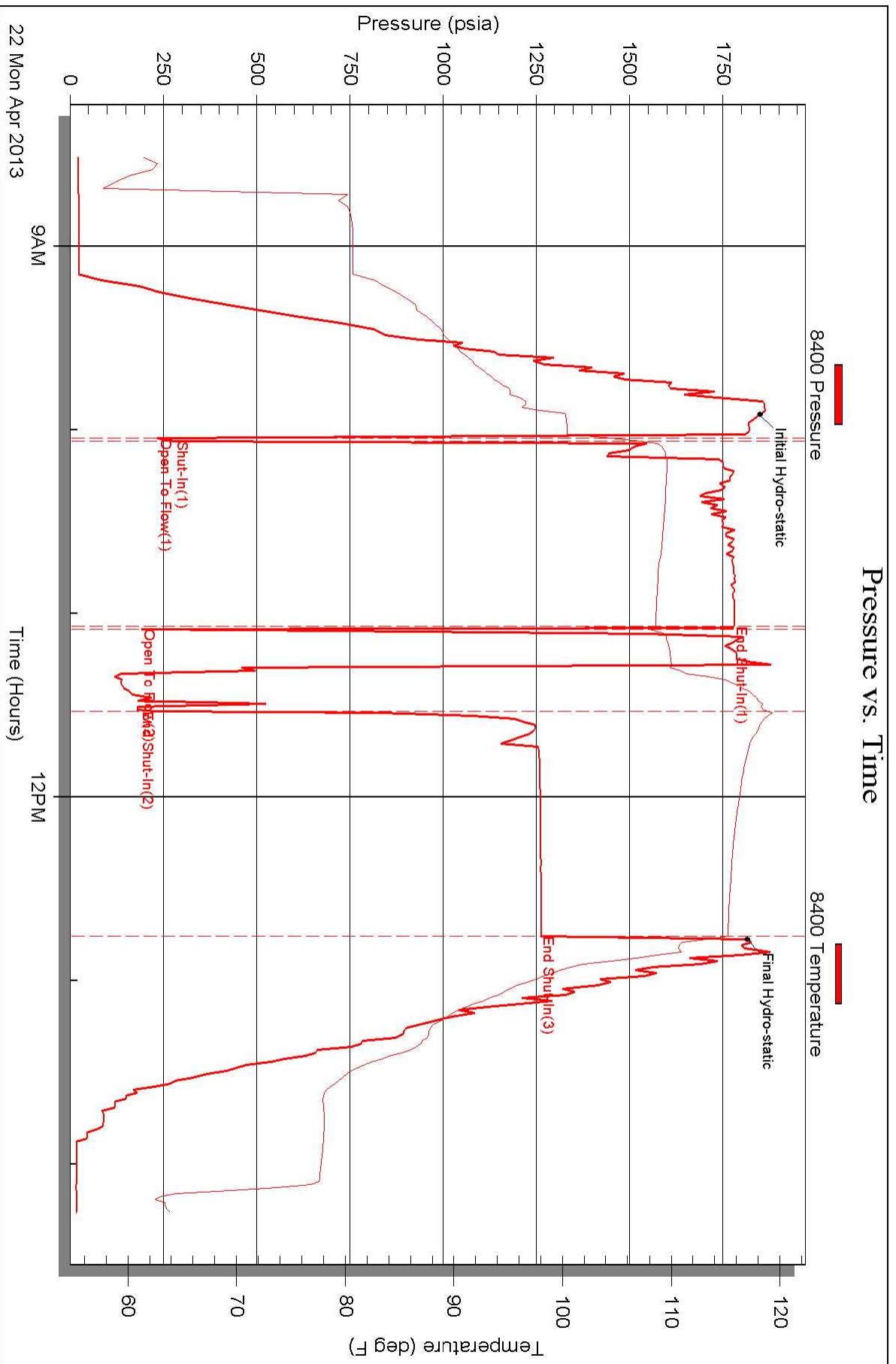
Length ft	Description	Volume bbl
70.00	100% mud	0.982
60.00	25% mud, 75% w ater	0.842
120.00	100% w ater	1.683
0.00	chloride recov 3200 ppm	0.000
0.00	resist recov .22 ohms at 40 degrees.	0.000

Total Length: 250.00 ft Total Volume: 3.507 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 E. Central STE 100
Wichita Kansas, 67208-2563

ATTN: Frank Greenbaum

Mermis "B" #1-31

31-20s-15w-Barton

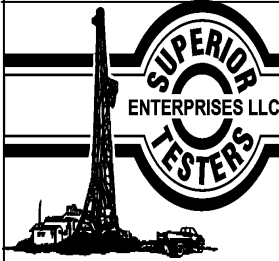
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End Date: 2013.04.24 @ 07:54:00

Job Ticket #: 17574 DST #: 5

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

Printed: 2013.04.23 @ 08:08:30



DRILL STEM TEST REPORT

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

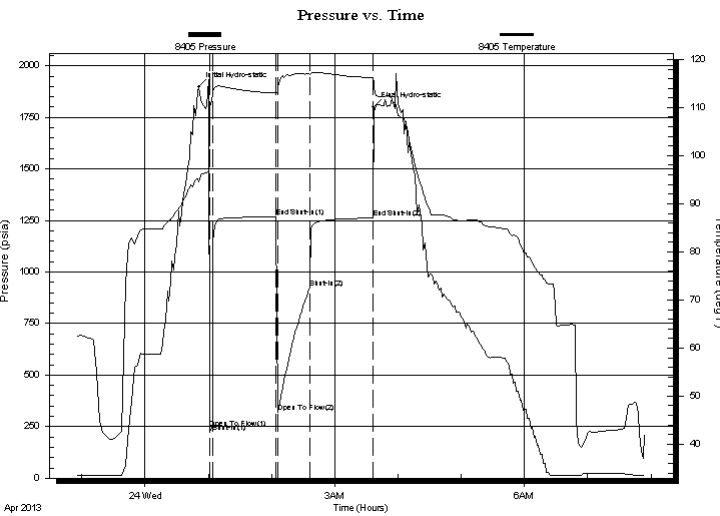
31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17574 **DST#: 5**
 Test Start: 2013.04.23 @ 22:55:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 01:01:00 Tester: Shane Konzem
 Time Test Ended: 07:54:00 Unit No: 3330/50/Great Bend
 Interval: **3813.00 ft (KB) To 3826.00 ft (KB) (TVD)** Reference Elevations: 2001.00 ft (KB)
 Total Depth: 3826.00 ft (KB) (TVD) 1993.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 8.00 ft

Serial #: 8405 Inside
 Press @ Run Depth: 921.15 psia @ 3822.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.04.23 End Date: 2013.04.24 Last Calib.: 2013.04.23
 Start Time: 22:55:00 End Time: 07:54:00 Time On Btm: 2013.04.24 @ 00:51:00
 Time Off Btm: 2013.04.24 @ 03:37:00

TEST COMMENT: 1st Open/ 2 minutes. Strong blow built to bottom of a 5 gallon bucket in 30 seconds.
 1st Shut In/ 60 Minutes. Blow back built to 1/2 inches in 5 gallon bucket.
 2nd Open/ 30 Minutes. Strong blow built to bottom of 5 gallon bucket in 1 1/2 minutes. No gas to surface.
 2nd Shut In/ 60 Minutes. Blow back built to 1 inch in 5 gallon bucket.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1898.21	94.62	Initial Hydro-static
10	242.26	106.96	Open To Flow (1)
13	267.33	112.60	Shut-In(1)
74	1266.52	112.97	End Shut-In(1)
75	318.61	113.28	Open To Flow (2)
105	921.15	116.88	Shut-In(2)
165	1262.38	116.20	End Shut-In(2)
166	1802.22	115.49	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	3038 feet of gas.	0.00
62.00	oil cut mud	0.87
0.00	20% oil, 80% mud	0.00
240.00	oil, mud cut w ater	3.37
0.00	5% oil, 10% mud, 85% w ater	0.00
2208.00	100% w ater	30.97

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



DRILL STEM TEST REPORT

FG Holl Company LLC

31-20s-15w-Barton

9431 E. Central STE 100
Wichita Kansas, 67208-2563

Mermis "B" #1-31

Job Ticket: 17574

DST#: 5

ATTN: Frank Greenbaum

Test Start: 2013.04.23 @ 22:55:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:01:00

Time Test Ended: 07:54:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 3330/50/Great Bend

Interval: 3813.00 ft (KB) To 3826.00 ft (KB) (TVD)

Reference Elevations: 2001.00 ft (KB)

Total Depth: 3826.00 ft (KB) (TVD)

1993.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8400 Outside

Press @ RunDepth: 1262.89 psia @ 3823.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.04.23

End Date: 2013.04.24

Last Calib.: 2013.04.23

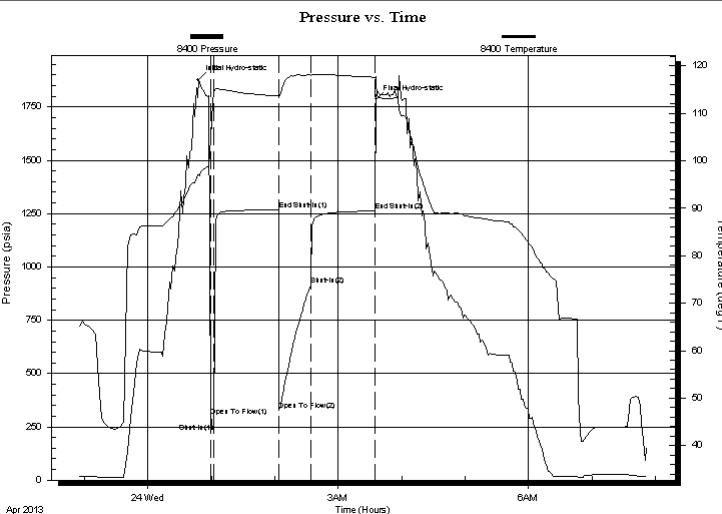
Start Time: 22:55:00

End Time: 07:52:53

Time On Btm: 2013.04.24 @ 00:47:53

Time Off Btm: 2013.04.24 @ 03:35:53

TEST COMMENT: 1st Open/ 2 minutes. Strong blow built to bottom of a 5 gallon bucket in 30 seconds.
1st Shut In/ 60 Minutes. Blow back built to 1/2 inches in 5 gallon bucket.
2nd Open/ 30 Minutes. Strong blow built to bottom of 5 gallon bucket in 1 1/2 minutes. No gas to surface.
2nd Shut In/ 60 Minutes. Blow back built to 1 inch in 5 gallon bucket.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1876.37	96.98	Initial Hydro-static
12	302.49	104.57	Open To Flow (1)
15	267.77	114.39	Shut-In(1)
76	1267.28	113.72	End Shut-In(1)
76	328.92	113.24	Open To Flow (2)
107	917.90	118.05	Shut-In(2)
167	1262.89	117.61	End Shut-In(2)
168	1785.44	116.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3038 feet of gas.	0.00
62.00	oil cut mud	0.87
0.00	20% oil, 80% mud	0.00
240.00	oil, mud cut w ater	3.37
0.00	5% oil, 10% mud, 85% w ater	0.00
2208.00	100% w ater	30.97

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17574 **DST#: 5**
 Test Start: 2013.04.23 @ 22:55:00

Tool Information

Drill Pipe:	Length: 3805.00 ft	Diameter: 3.80 inches	Volume: 53.37 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: 53.37 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3813.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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SHut-InTool	5.00		Inside	3790.00	
Hydraulic Tool	5.00			3795.00	
Jars	6.00			3801.00	
Safety Joint	2.00			3803.00	
Packer	5.00			3808.00	28.00 Bottom Of Top Packer
Packer	5.00			3813.00	
Anchor	8.00			3821.00	
Recorder	1.00	8405	Inside	3822.00	
Recorder	1.00	8400	Outside	3823.00	
Bullnose	3.00			3826.00	13.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
 ATTN: Frank Greenbaum

31-20s-15w-Barton
Mermis "B" #1-31
 Job Ticket: 17574 **DST#: 5**
 Test Start: 2013.04.23 @ 22:55:00

Mud and Cushion Information

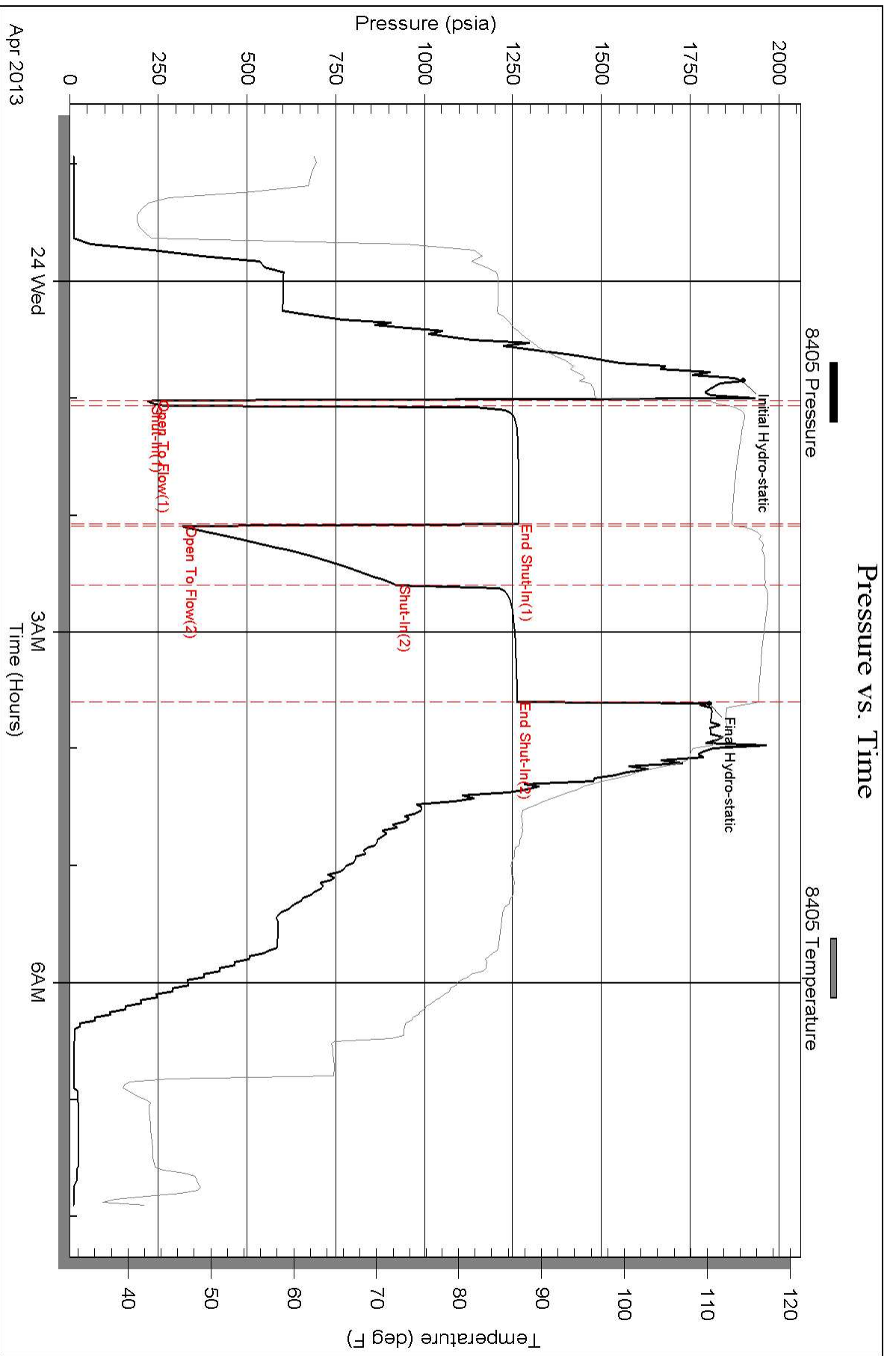
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3038 feet of gas.	0.000
62.00	oil cut mud	0.870
0.00	20% oil, 80% mud	0.000
240.00	oil, mud cut w ater	3.367
0.00	5% oil, 10% mud, 85% w ater	0.000
2208.00	100% w ater	30.972
0.00	Chloride revoc. 3000 ppm	0.000
0.00	resist recov .21 ohms at 40 degrees.	0.000

Total Length: 2510.00 ft Total Volume: 35.209 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



Pressure vs. Time

