



KANSAS CORPORATION COMMISSION 1117538
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- 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: _____



1117538

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

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Hufford 7
Doc ID	1117538

All Electric Logs Run

Dual Induction
Dual Compensation Porosity
Microresistivity
Cement Bond

Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Hufford 7
Doc ID	1117538

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Tyep and Percent Additives
Surface	12.25	8.625	23	605	60/40	300	6% gel, 3% cc
Surface	12.25	8.625	23	605	Class A Common	200	3% cc, 2% gel
Production	7.875	5.5	14	3849	60/40	75	4% gel
Production	7.875	5.5	14	3849	Pro C	150	

QUALITY WELL SERVICE, INC.

5763

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410
Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	12-15-12	Sec.	33	Twp.	21	Range	13	County	Stafford	State	KS	On Location		Finish	5:15-5:45pm	
Lease	Hufford	Well No.	7			Location Great Bend KS 14 mile South 1W 1/2S E. 1/4										
Contractor	Southwind #4							Owner								
Type Job	Surface							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	12 1/4			T.D.			615									
Csg.	8 5/8			Depth			605									
Tbg. Size				Depth			Charge To HBB Petroleum									
Tool				Depth			Street									
Cement Left in Csg.	40ct			Shoe Joint			City State									
Meas Line				Displace			36.22									
EQUIPMENT							Cement Amount Ordered 300sx 60/40 6% gel 3% CC									
Pumptrk	No.	8		Cody		200 sx com 3% CC 2% gel										
Bulktrk	No.	7		m. ke		Common 380										
Bulktrk	No.	4		Anthony		Poz. Mix 120										
Pickup	No.					Gel. 19										
JOB SERVICES & REMARKS							Calcium 18									
Rat Hole								Hulls								
Mouse Hole								Salt								
Centralizers								Flowseal 75								
Baskets								Kol-Seal								
D/V or Port Collar								Mud CLR 48								
Run 1st of 8 5/8 casing and landing it							CFL-117 or CD110 CAF 38									
Est Circulation with mud pump							Sand									
Hooked up and mixed 300sx 60/40 6% gel 3% CC and tailed in with 200' sx com 3% CC 2% gel - shot down - released plug and dip 36.22 bbl H2O - plug landed @ 700 psi. Shut in							Handling 537									
Cement did circulate!!							Mileage 15									
Thank You!!							FLOAT EQUIPMENT									
Signature							Guide Shoe									
							Centralizer									
							Baskets									
							AFU Inserts									
							Float Shoe									
							Latch Down									
							8 5/8 rubber plug									
							Baffle Plate									
							Pumptrk Charge Surface									
							Mileage 15									
							Tax									
							Discount									
							Total Charge									

QUALITY WELL SERVICE, INC.

5654

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410
Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
12-23-12	33	21	13	Stafford	KS		12:30-1:30p
Lease	Hulford	Well No.	7	Location	Great Bend US 125 1W 1/2 S E into		
Contractor	Southwind #4			Owner	To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.		
Type Job	Long string			Hole Size	7 1/4		
Hole Size	7 1/4			T.D.	3850		
Csg.	5 1/2			Depth	3849		
Tbg. Size				Depth			
Tool				Depth			
Cement Left in Csg.				Shoe Joint	13ct		
Meas Line				Displace	91.29		
EQUIPMENT				150sr Pro C			
Pumptrk	No.	8	Coaly	Common	50		
Bulktrk	No.	7	misc	Poz. Mix	30		
Bulktrk	No.	10	Anthony	Gel.	4		
Pickup	No.			Calcium			
JOB SERVICES & REMARKS				Hulls			
Rat Hole	30sr			Salt	13		
Mouse Hole				Flowseal			
Centralizers				Kol-Seal	750 #		
Baskets				Mud CLR	48		
D/V or Port Collar				CFL-117 or CD110 CAF	38		
Run @ 975ts of 5 1/2 casing and landing it - Est circulation with mud pump - circulated for 45 min				Sand			
				Handling	247		
				Mileage	15		
				FLOAT EQUIPMENT			
Hooked up and plugged RH and mixed 75sr at 60/40 - shut down and switched trucks - mixed 150sr of Pro-C - shut down washed pump and lines clean - released plug and disp 91.29 bbl of H2O - lifting pressure @ 500 psi - plug landed @ 1500 psi - released and float held !!				Guide Shoe			
				Centralizer	5 - Turbolizer		
				Baskets	2 - 5 1/2		
				AFU Inserts			
				Float Shoe	1 - 5 1/2		
				Latch Down	1 - 5 1/2 & plug		
					14 - 5 1/2 Scratchers		
				Pumptrk Charge	Long string		
				Mileage	15		
Thank You!!							
Signature <i>[Signature]</i>							
				Tax			
				Discount			
				Total Charge			



DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp.**

PO Box 277
Ellinwood KS 67526

ATTN: James Musgrove

Hufford #7

33-21s-13w Stafford,KS

Start Date: 2012.12.19 @ 02:27:42

End Date: 2012.12.19 @ 09:44:27

Job Ticket #: 49747 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.24 @ 11:41:20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49747

DST#: 1

ATTN: James Musgrove

Test Start: 2012.12.19 @ 02:27:42

GENERAL INFORMATION:

Formation: **L/KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:38:57
 Time Test Ended: 09:44:27
 Interval: **3380.00 ft (KB) To 3464.00 ft (KB) (TVD)**
 Total Depth: 3464.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1896.00 ft (KB)
 1889.00 ft (CF)
 KB to GR/CF: 7.00 ft

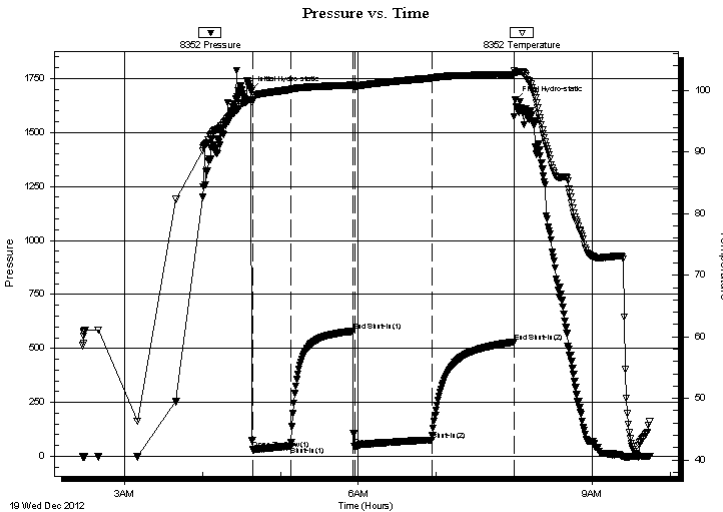
Serial #: 8352

Inside

Press @ RunDepth: 75.94 psig @ 3381.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.12.19 End Date: 2012.12.19 Last Calib.: 2012.12.19
 Start Time: 02:27:47 End Time: 09:44:26 Time On Btm: 2012.12.19 @ 04:37:27
 Time Off Btm: 2012.12.19 @ 08:00:42

TEST COMMENT: IF: Strong blow . B.O.B. in 10 secs. GTS in 25 mins.
 IS: No blow .
 FF: Strong blow . (see gas flow report)
 FS: Weak blow . 1/2 - 3/4".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1692.74	98.53	Initial Hydro-static
2	32.40	98.29	Open To Flow (1)
31	46.41	100.13	Shut-In(1)
79	579.86	100.87	End Shut-In(1)
80	44.71	100.67	Open To Flow (2)
139	75.94	101.99	Shut-In(2)
203	529.72	102.62	End Shut-In(2)
204	1649.65	102.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	GCM w o specs 15%g 85%m	0.43
62.00	SOC,GM 2%o 13%g 85%m	0.87
62.00	GOCM 30%g 8%o 62%m	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	30.78
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	0.25	5.00	30.78



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49747

DST#: 1

ATTN: James Musgrove

Test Start: 2012.12.19 @ 02:27:42

Tool Information

Drill Pipe:	Length: 3372.00 ft	Diameter: 3.80 inches	Volume: 47.30 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 47.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3380.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	104.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

C.O. Sub	1.00			3361.00	
Shut in tool	5.00			3366.00	
HMV	5.00			3371.00	
Packer	4.00			3375.00	20.00 Bottom Of Top Packer
Packer	5.00			3380.00	
Stubb	1.00			3381.00	
Recorder	0.00	8352	Inside	3381.00	
Recorder	0.00	8370	Outside	3381.00	
Perforations	14.00			3395.00	
Blank Spacing	64.00			3459.00	
Bullnose	5.00			3464.00	84.00 Bottom Packers & Anchor

Total Tool Length: 104.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49747

DST#: 1

ATTN: James Musgrove

Test Start: 2012.12.19 @ 02:27:42

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:	1600 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1600.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	GCM w o specs 15%g 85%m	0.435
62.00	SOC,GM 2%o 13%g 85%m	0.870
62.00	GOCM 30%g 8%o 62%m	0.870

Total Length: 155.00 ft Total Volume: 2.175 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

H & B Petroleum Corp.

33-21s-13w Stafford, KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49747

DST#: 1

ATTN: James Musgrove

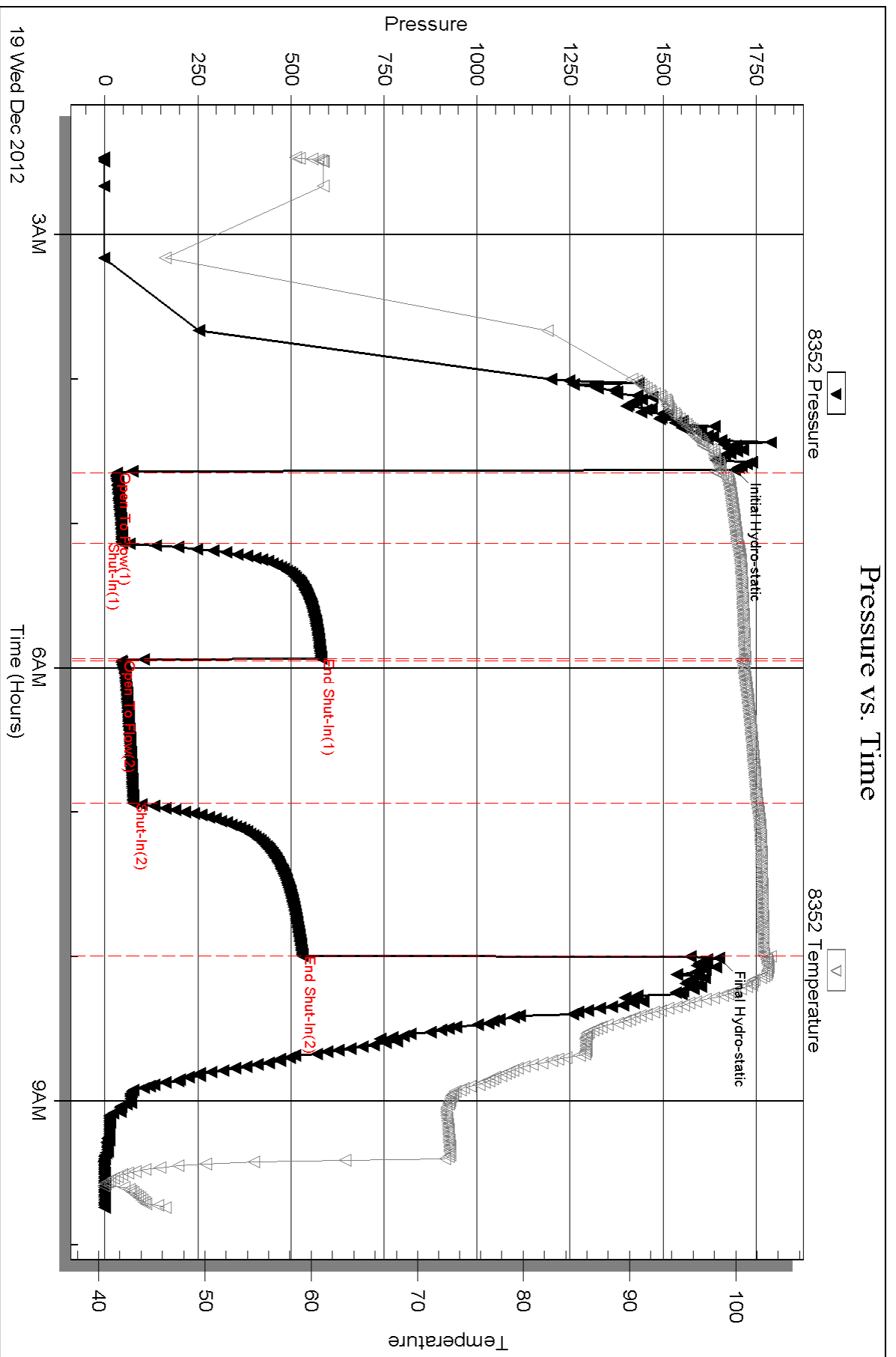
Test Start: 2012.12.19 @ 02:27:42

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	10	0.25	5.00	30.78
2	10	0.25	5.00	30.78
2	20	0.25	4.00	29.19
2	30	0.25	3.00	27.60
2	40	0.25	3.00	27.60
2	50	0.25	3.00	27.60

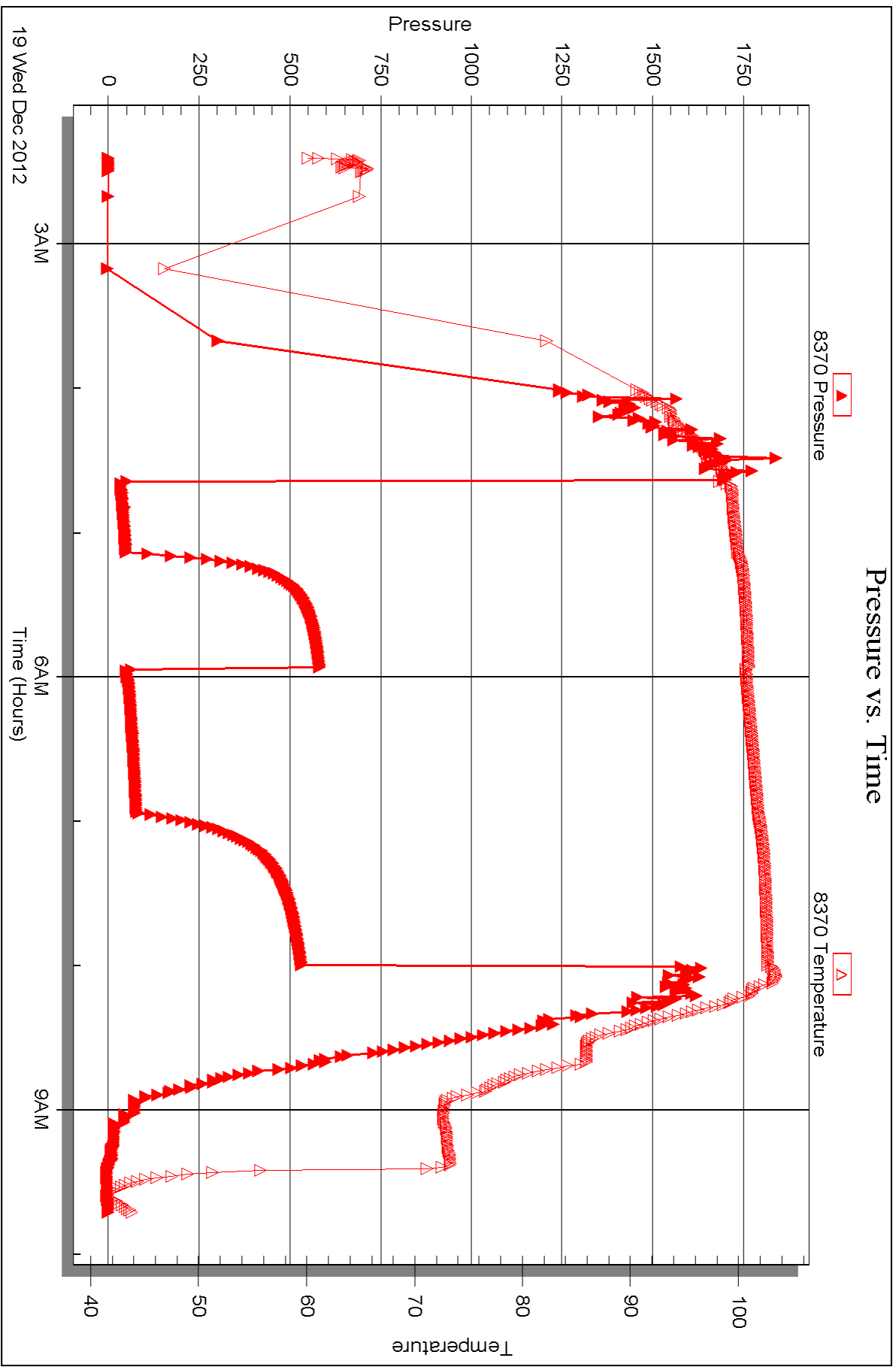


Serial #: 8370

Outside H & B Petroleum Corp.

Hufford #7

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp.**

PO Box 277
Ellinwood KS 67526

ATTN: James Musgrove

Hufford #7

33-21s-13w Stafford,KS

Start Date: 2012.12.19 @ 16:47:28

End Date: 2012.12.19 @ 23:26:43

Job Ticket #: 49748 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.24 @ 11:40:38



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49748

DST#: 2

ATTN: James Musgrove

Test Start: 2012.12.19 @ 16:47:28

GENERAL INFORMATION:

Formation: **L /KC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:26:58

Time Test Ended: 23:26:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3490.00 ft (KB) To 3512.00 ft (KB) (TVD)

Reference Elevations: 1896.00 ft (KB)

Total Depth: 3512.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8352

Inside

Press @ RunDepth: 205.09 psig @ 3491.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.19

End Date:

2012.12.19

Last Calib.:

2012.12.19

Start Time: 16:47:33

End Time:

23:26:42

Time On Btm:

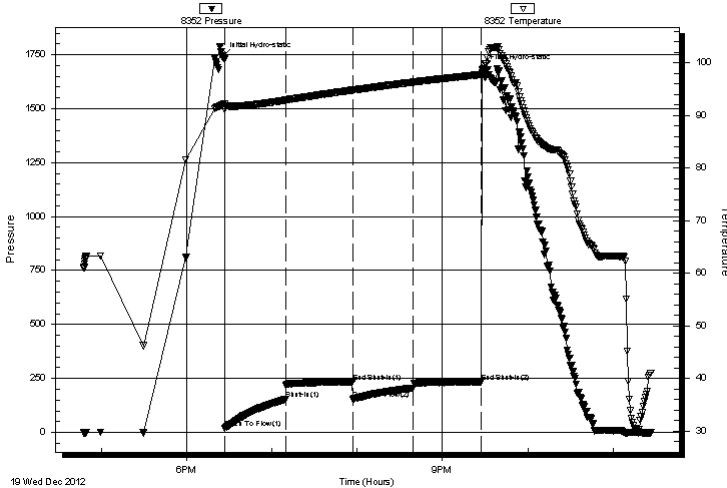
2012.12.19 @ 18:25:28

Time Off Btm:

2012.12.19 @ 21:28:28

TEST COMMENT: IF: Strong blow . B.O.B. in 14 mins.
IS: Weak blow . 1/4 - 1/2" decreasing.
FF: Fair blow . Slow increase to 12".
FS: Weak blow . (surface)

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1741.97	92.02	Initial Hydro-static
2	20.19	91.02	Open To Flow (1)
45	152.86	92.89	Shut-In(1)
92	233.06	94.79	End Shut-In(1)
92	154.25	94.77	Open To Flow (2)
134	205.09	96.30	Shut-In(2)
182	233.40	97.74	End Shut-In(2)
183	1684.12	98.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	40 ft.of GIP	0.00
90.00	SOCMW 3%o 24%m 73%w	1.26
350.00	SW w/ o specs	4.91

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49748

DST#: 2

ATTN: James Musgrove

Test Start: 2012.12.19 @ 16:47:28

GENERAL INFORMATION:

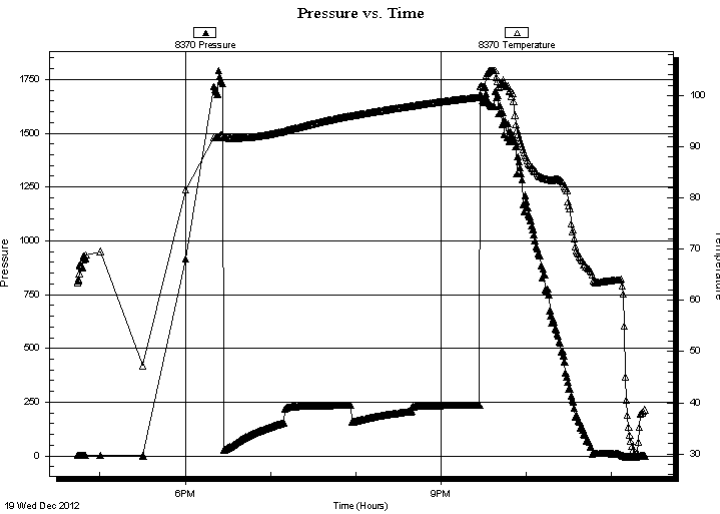
Formation: **L /KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:26:58
 Time Test Ended: 23:26:43
 Interval: **3490.00 ft (KB) To 3512.00 ft (KB) (TVD)**
 Total Depth: 3512.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1896.00 ft (KB)
 1889.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8370

Outside

Press @ Run Depth: psig @ 3491.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.12.19 End Date: 2012.12.19 Last Calib.: 2012.12.19
 Start Time: 16:44:18 End Time: 23:23:27 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 14 mins.
 IS: Weak blow . 1/4 - 1/2" decreasing.
 FF: Fair blow . Slow increase to 12".
 FS: Weak blow . (surface)



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	40 ft. of GIP	0.00
90.00	SOCMW 3%o 24%m 73%w	1.26
350.00	SW w/ o specs	4.91

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49748

DST#: 2

ATTN: James Musgrove

Test Start: 2012.12.19 @ 16:47:28

Tool Information

Drill Pipe:	Length: 3496.00 ft	Diameter: 3.80 inches	Volume: 49.04 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	46000.00 lb
			<u>Total Volume: 49.04 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3490.00 ft			Final	39000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	42.00 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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C.O. Sub	1.00			3471.00	
Shut in tool	5.00			3476.00	
HMV	5.00			3481.00	
Packer	4.00			3485.00	20.00 Bottom Of Top Packer
Packer	5.00			3490.00	
Stubb	1.00			3491.00	
Recorder	0.00	8352	Inside	3491.00	
Recorder	0.00	8370	Outside	3491.00	
Perforations	16.00			3507.00	
Bullnose	5.00			3512.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49748

DST#: 2

ATTN: James Musgrove

Test Start: 2012.12.19 @ 16:47:28

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:	51000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	40 ft.of GIP	0.000
90.00	SOCMW 3%o 24%m 73%w	1.262
350.00	SW w / o specs	4.910

Total Length: 440.00 ft Total Volume: 6.172 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

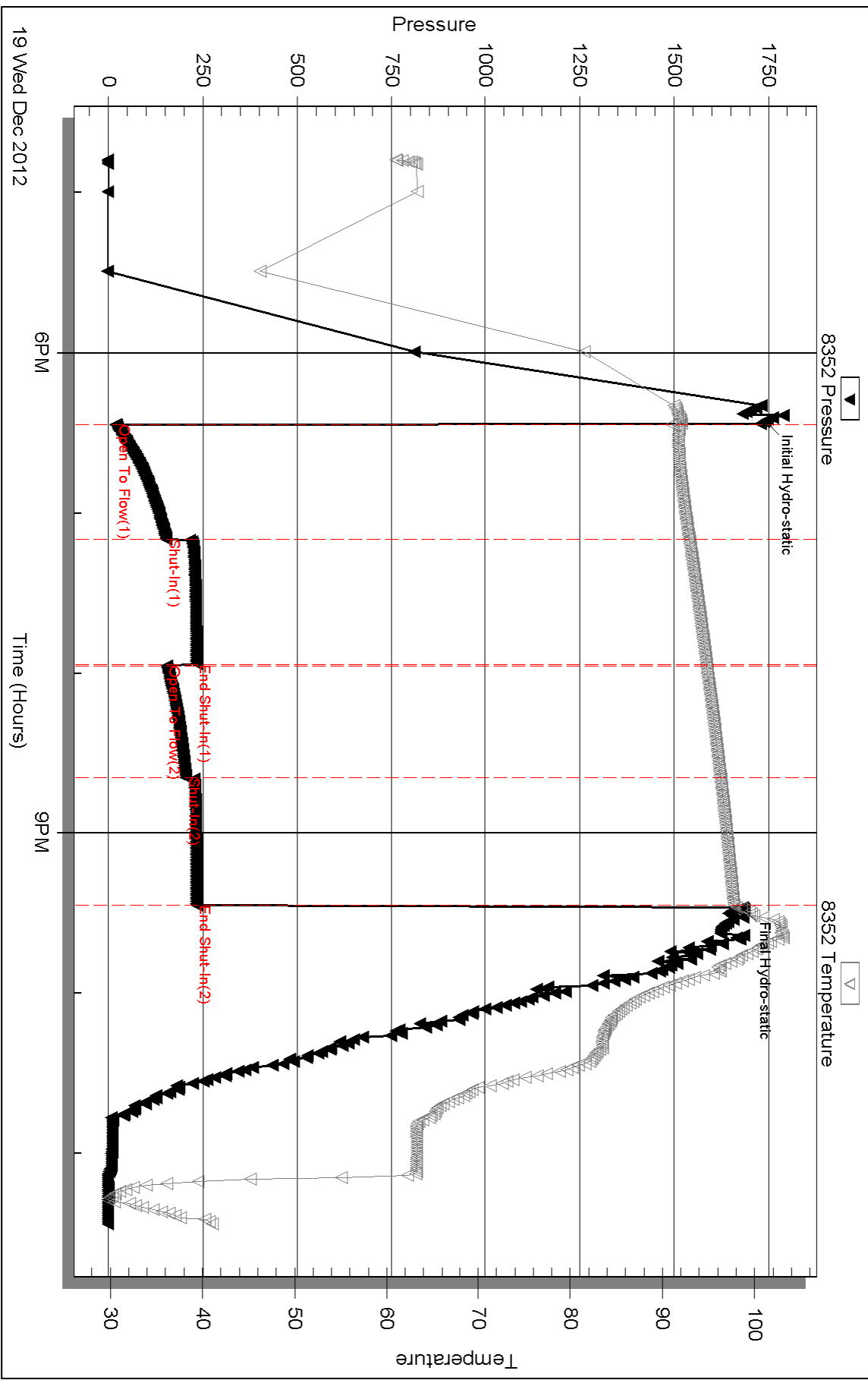
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .27 ohms @38 deg

Pressure vs. Time

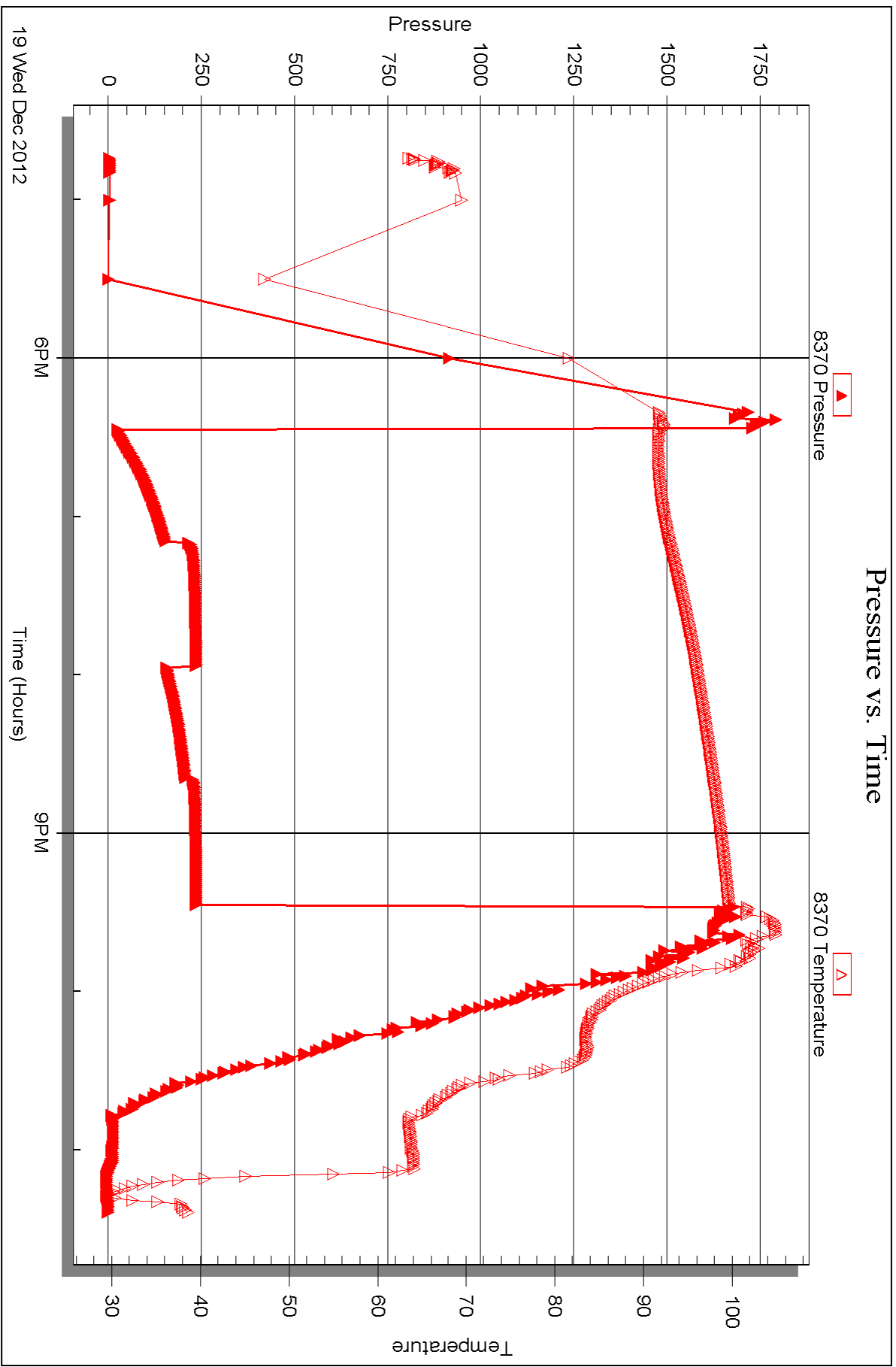


Serial #: 8370

Outside H & B Petroleum Corp.

Hufford #7

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp.**

PO Box 277
Ellinwood KS 67526

ATTN: James Musgrove

Hufford #7

33-21s-13w Stafford,KS

Start Date: 2012.12.20 @ 11:45:15

End Date: 2012.12.20 @ 17:50:15

Job Ticket #: 49749 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.24 @ 11:39:59



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49749

DST#: 3

ATTN: James Musgrove

Test Start: 2012.12.20 @ 11:45:15

GENERAL INFORMATION:

Formation: **L /KC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:56:45

Time Test Ended: 17:50:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3510.00 ft (KB) To 3600.00 ft (KB) (TVD)

Reference Elevations: 1896.00 ft (KB)

Total Depth: 3600.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8352 Inside

Press @ RunDepth: 23.85 psig @ 3511.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.20 End Date: 2012.12.20

Last Calib.: 2012.12.20

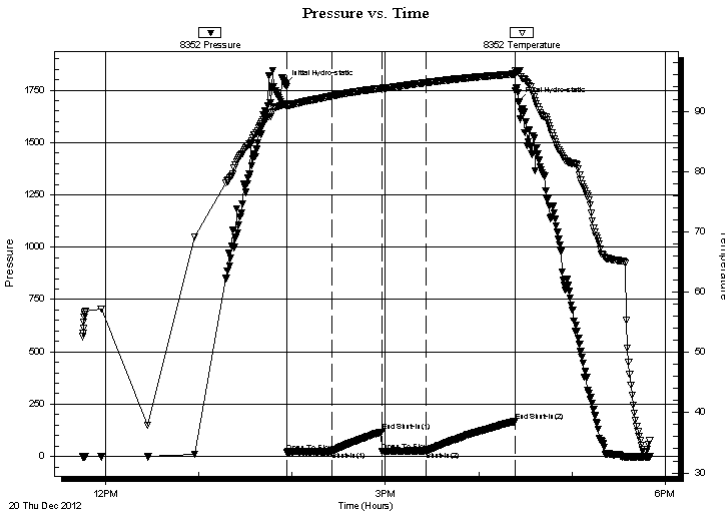
Start Time: 11:45:20 End Time: 17:50:14

Time On Btm: 2012.12.20 @ 13:55:30

Time Off Btm: 2012.12.20 @ 16:25:30

TEST COMMENT: IF:Weak blow . 1/2 - 3" in diesel.
IS:No blow .
FF:Fair blow . 4 - 10" in diesel.
FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1777.99	91.12	Initial Hydro-static
2	21.33	90.74	Open To Flow (1)
30	22.57	92.51	Shut-In(1)
62	117.91	93.81	End Shut-In(1)
63	22.33	93.76	Open To Flow (2)
91	23.85	94.71	Shut-In(2)
148	166.95	96.17	End Shut-In(2)
150	1695.46	96.60	Final Hydro-static

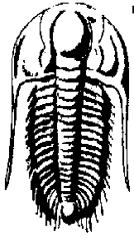
Recovery

Length (ft)	Description	Volume (bbl)
0.00	220 ft.of GIP	0.00
25.00	Drig.mud	0.35

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49749

DST#: 3

ATTN: James Musgrove

Test Start: 2012.12.20 @ 11:45:15

GENERAL INFORMATION:

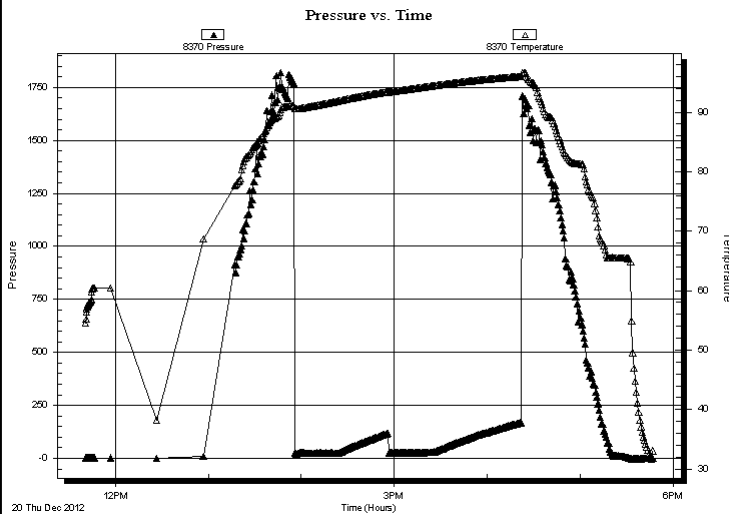
Formation: **L /KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:56:45
 Time Test Ended: 17:50:15
 Interval: **3510.00 ft (KB) To 3600.00 ft (KB) (TVD)**
 Total Depth: 3600.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1896.00 ft (KB)
 1889.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8370

Outside

Press @RunDepth: psig @ 3511.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.12.20 End Date: 2012.12.20 Last Calib.: 2012.12.20
 Start Time: 11:40:43 End Time: 17:46:52 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:Weak blow . 1/2 - 3" in diesel.
 IS:No blow .
 FF:Fair blow . 4 - 10" in diesel.
 FS:No blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	220 ft.of GIP	0.00
25.00	Drlg.mud	0.35

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49749

DST#: 3

ATTN: James Musgrove

Test Start: 2012.12.20 @ 11:45:15

Tool Information

Drill Pipe:	Length: 3495.00 ft	Diameter: 3.80 inches	Volume: 49.03 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 63000.00 lb
			<u>Total Volume: 49.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3510.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	110.00 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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C.O. Sub	1.00			3491.00	
Shut in tool	5.00			3496.00	
HMV	5.00			3501.00	
Packer	4.00			3505.00	20.00 Bottom Of Top Packer
Packer	5.00			3510.00	
Stubb	1.00			3511.00	
Recorder	0.00	8352	Inside	3511.00	
Recorder	0.00	8370	Outside	3511.00	
Perforations	11.00			3522.00	
Blank Spacing	64.00			3586.00	
Perforations	9.00			3595.00	
Bullnose	5.00			3600.00	90.00 Bottom Packers & Anchor

Total Tool Length: 110.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49749

DST#: 3

ATTN: James Musgrove

Test Start: 2012.12.20 @ 11:45:15

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:

5000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	220 ft.of GIP	0.000
25.00	Drig.mud	0.351

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

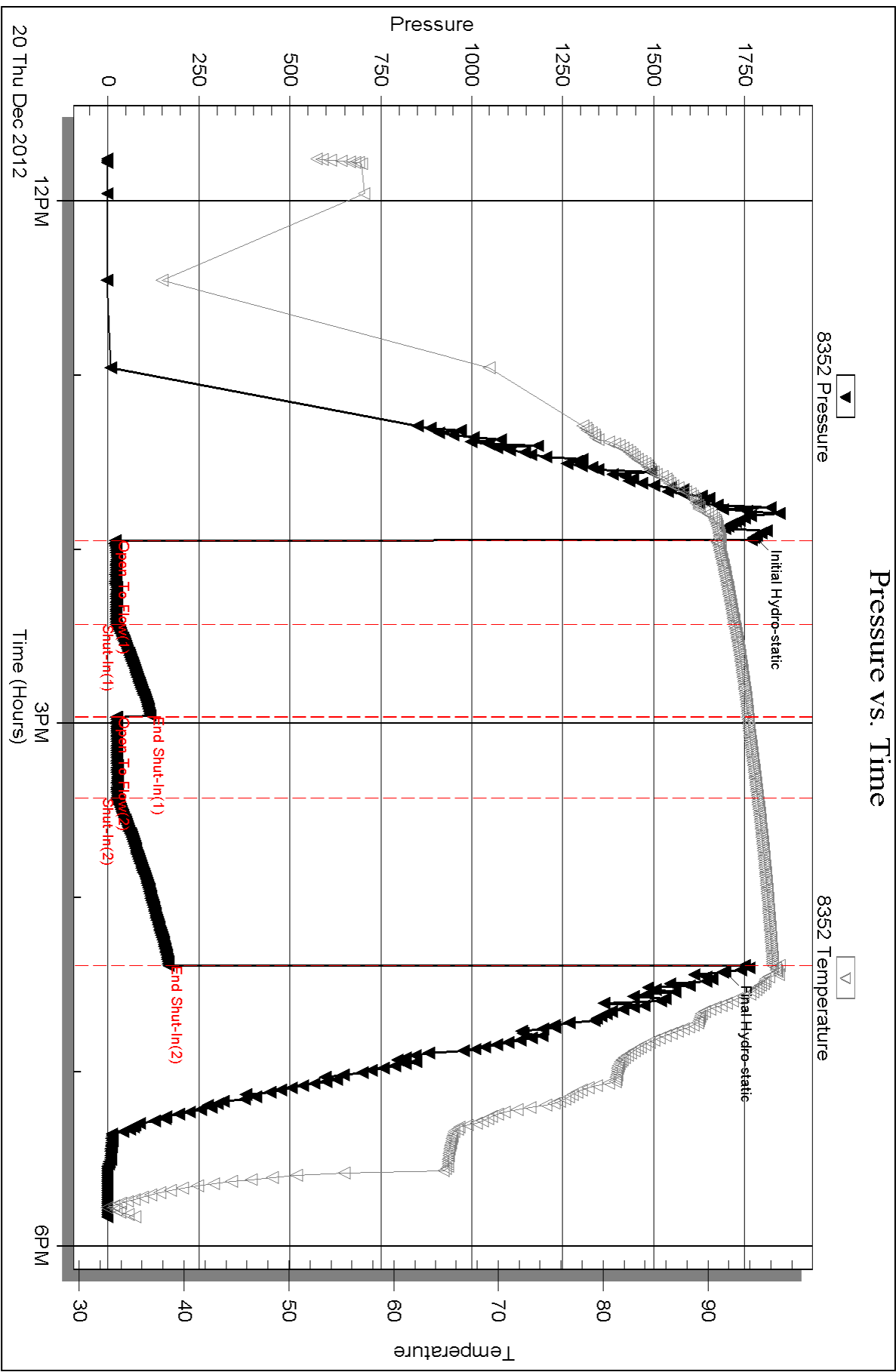
Serial #: 8352

Inside

H & B Petroleum Corp.

Hufford #7

DST Test Number: 3

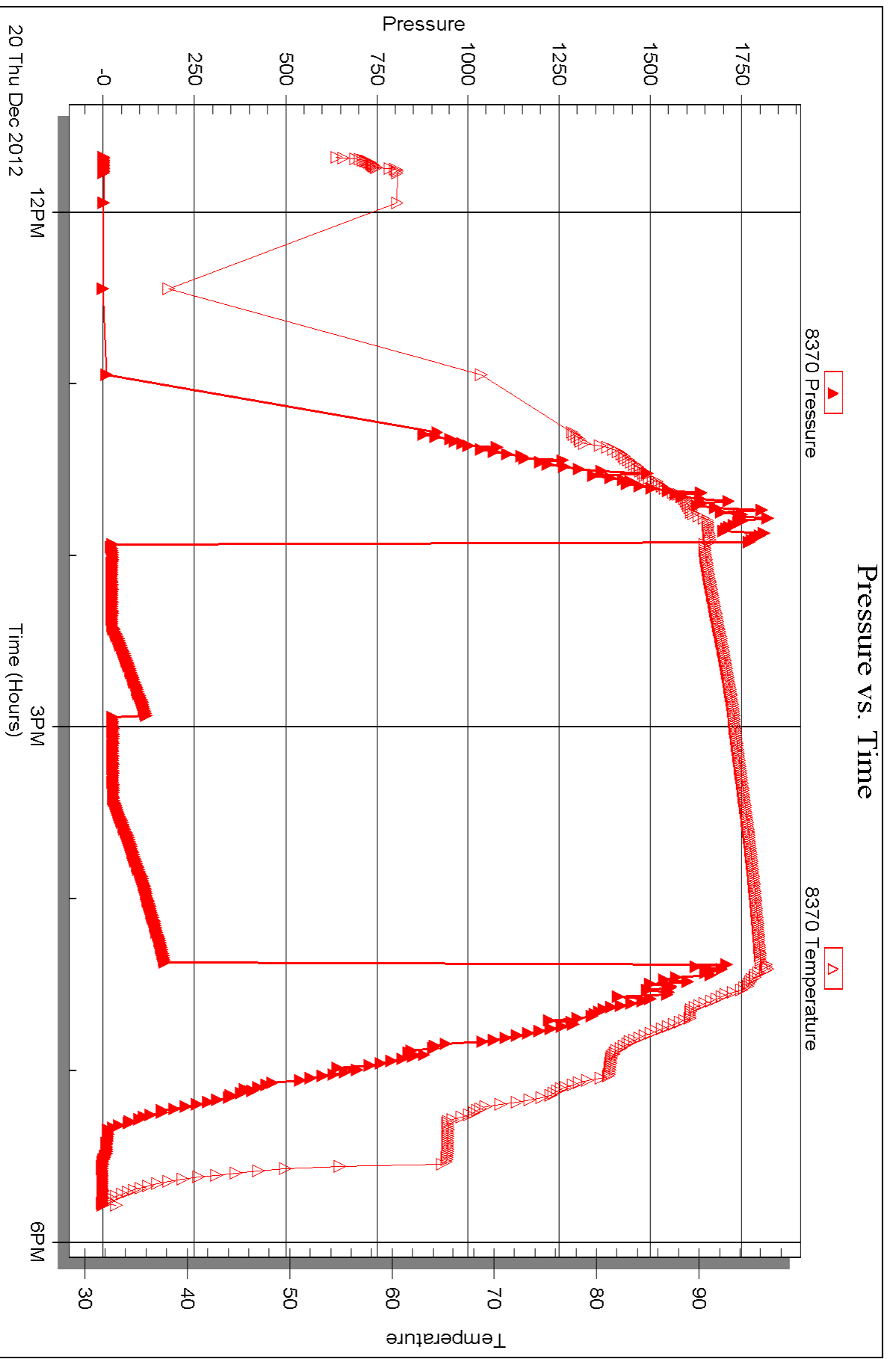


Serial #: 8370

Outside H & B Petroleum Corp.

Hufford #7

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp.**

PO Box 277
Ellinwood KS 67526

ATTN: James Musgrove

Hufford #7

33-21s-13w Stafford,KS

Start Date: 2012.12.21 @ 10:25:31

End Date: 2012.12.21 @ 16:27:31

Job Ticket #: 49750 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.24 @ 11:37:56



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49750

DST#: 4

ATTN: James Musgrove

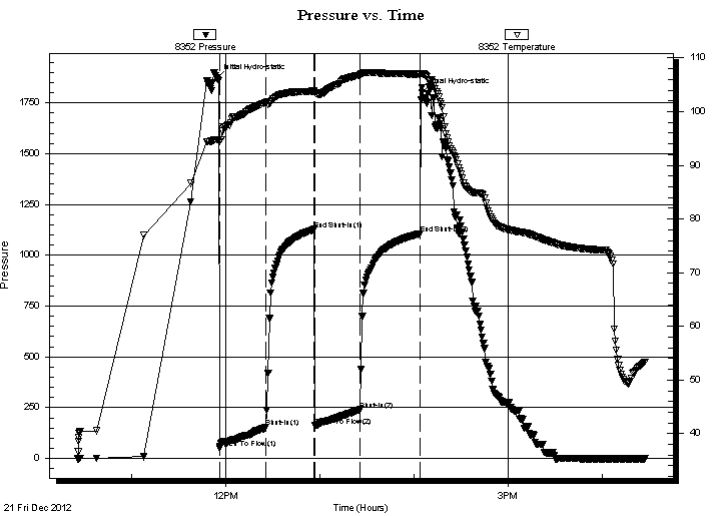
Test Start: 2012.12.21 @ 10:25:31

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:56:01
 Time Test Ended: 16:27:31
 Interval: **3683.00 ft (KB) To 3742.00 ft (KB) (TVD)**
 Total Depth: 3742.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1896.00 ft (KB)
 1889.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8352 Inside
 Press @ Run Depth: 239.66 psig @ 3684.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.12.21 End Date: 2012.12.21 Last Calib.: 2012.12.21
 Start Time: 10:25:36 End Time: 16:27:30 Time On Btm: 2012.12.21 @ 11:54:16
 Time Off Btm: 2012.12.21 @ 14:05:01

TEST COMMENT: IF: Strong blow . B.O.B. in 90 secs.
 IS: Weak blow . 1/2 - 2 1/2".
 FF: Strong blow . B.O.B. in 2 mins. GTS in 17 mins. TSTM
 FS: Strong blow . B.O.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.01	94.74	Initial Hydro-static
2	49.66	94.38	Open To Flow (1)
32	153.18	101.72	Shut-In(1)
62	1126.78	103.80	End Shut-In(1)
63	160.40	103.50	Open To Flow (2)
92	239.66	106.83	Shut-In(2)
130	1105.93	106.96	End Shut-In(2)
131	1801.33	107.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	CGO 33%g 67%o	4.42
160.00	GMCO 51%g 13%m 36%o	2.24
125.00	GMCO 40%g 22%m 38%o	1.75

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49750

DST#: 4

ATTN: James Musgrove

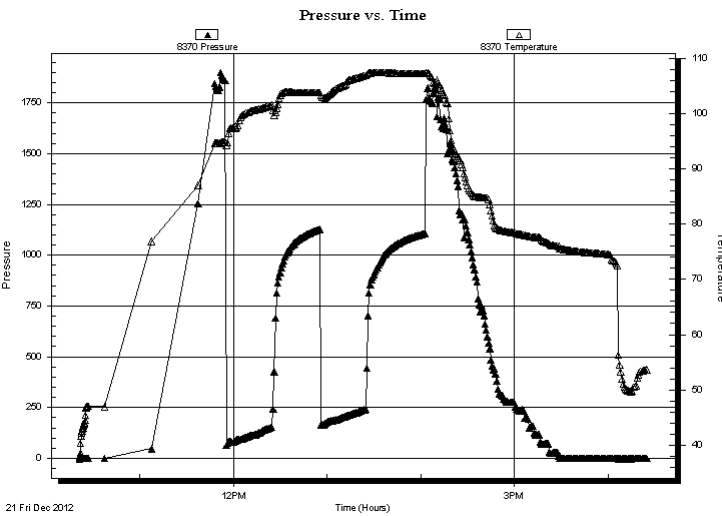
Test Start: 2012.12.21 @ 10:25:31

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 11:56:01 Tester: Gary Pevoteaux
 Time Test Ended: 16:27:31 Unit No: 56
 Interval: **3683.00 ft (KB) To 3742.00 ft (KB) (TVD)** Reference Elevations: 1896.00 ft (KB)
 Total Depth: 3742.00 ft (KB) (TVD) 1889.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 7.00 ft

Serial #: 8370 Outside
 Press @ Run Depth: psig @ 3684.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.12.21 End Date: 2012.12.21 Last Calib.: 2012.12.21
 Start Time: 10:21:28 End Time: 16:24:37 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 90 secs.
 IS: Weak blow . 1/2 - 2 1/2".
 FF: Strong blow . B.O.B. in 2 mins. GTS in 17 mins. TSTM
 FS: Strong blow . B.O.B.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
315.00	CGO 33%g 67%o	4.42
160.00	GMCO 51%g 13%m 36%o	2.24
125.00	GMCO 40%g 22%m 38%o	1.75

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49750

DST#: 4

ATTN: James Musgrove

Test Start: 2012.12.21 @ 10:25:31

Tool Information

Drill Pipe:	Length: 3682.00 ft	Diameter: 3.80 inches	Volume: 51.65 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	53000.00 lb
			<u>Total Volume: 51.65 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	37000.00 lb
Depth to Top Packer:	3683.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	59.00 ft				
Tool Length:	79.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

C.O. Sub	1.00			3664.00	
Shut in tool	5.00			3669.00	
HMV	5.00			3674.00	
Packer	4.00			3678.00	20.00 Bottom Of Top Packer
Packer	5.00			3683.00	
Stubb	1.00			3684.00	
Recorder	0.00	8352	Inside	3684.00	
Recorder	0.00	8370	Outside	3684.00	
Perforations	11.00			3695.00	
Blank Spacing	32.00			3727.00	
Perforations	10.00			3737.00	
Bullnose	5.00			3742.00	59.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49750

DST#: 4

ATTN: James Musgrove

Test Start: 2012.12.21 @ 10:25:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36.6 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

5000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
315.00	CGO 33%g 67%o	4.419
160.00	GMCO 51%g 13%m 36%o	2.244
125.00	GMCO 40%g 22%m 38%o	1.753

Total Length: 600.00 ft

Total Volume: 8.416 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

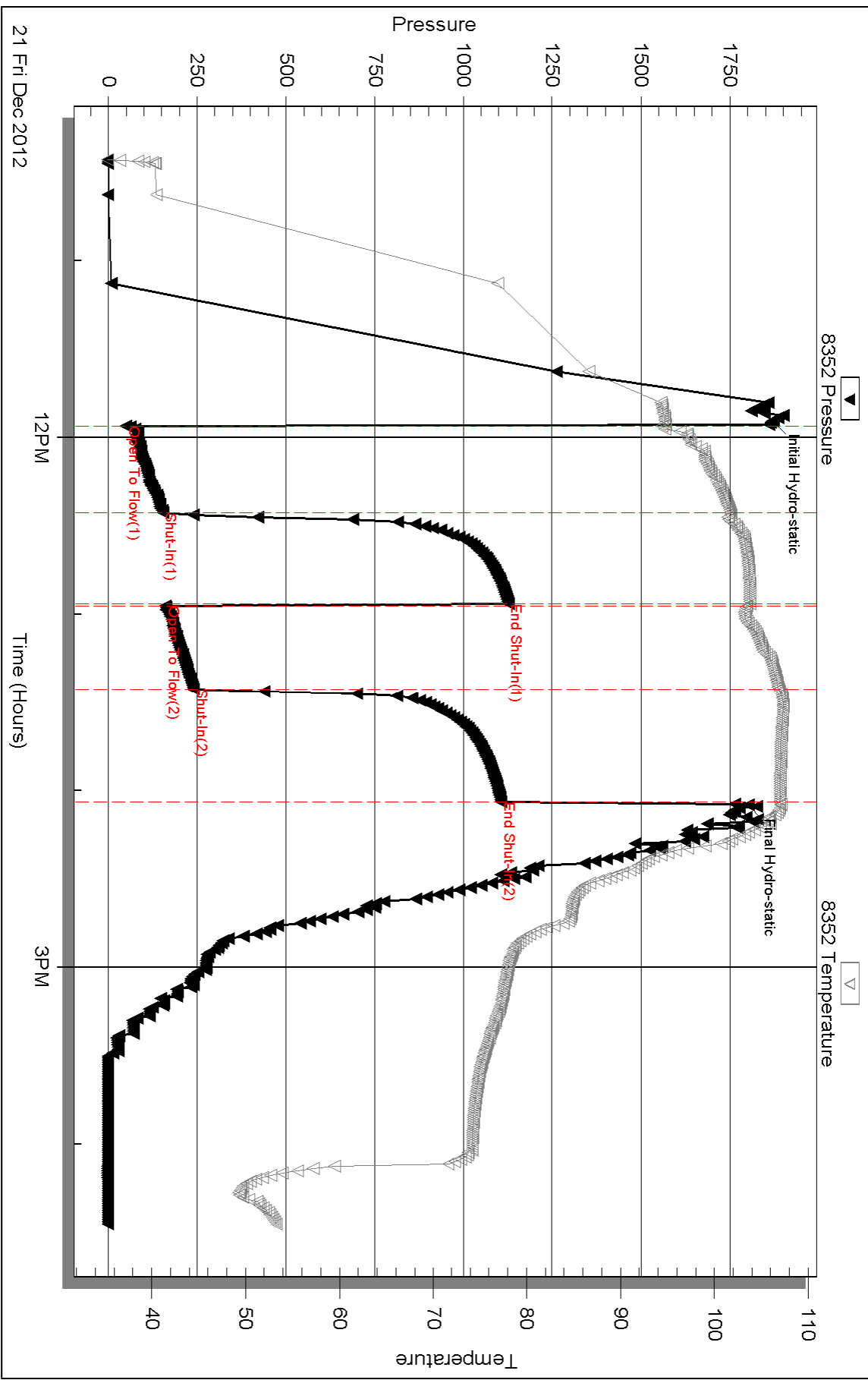
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

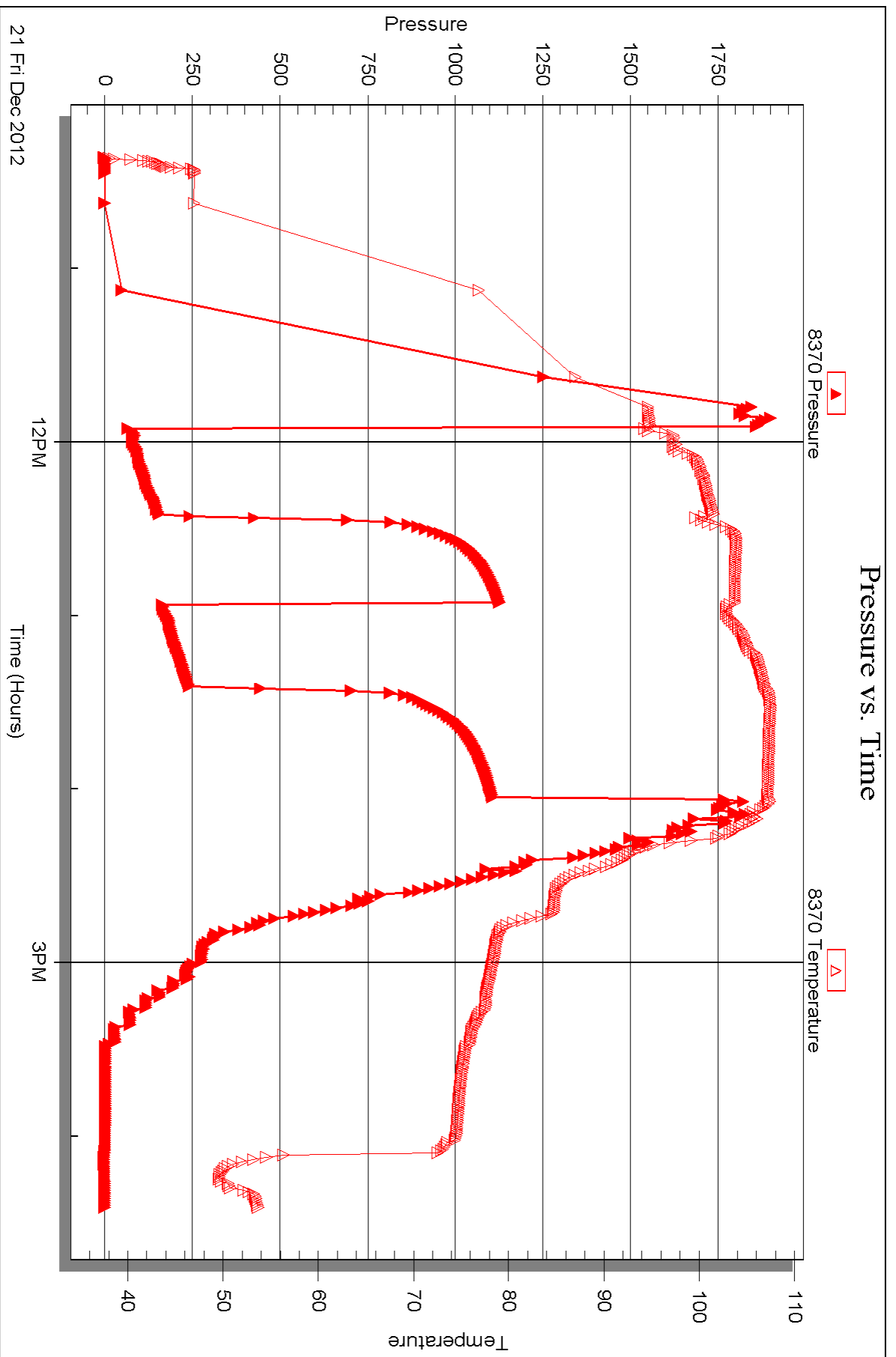


Serial #: 8370

Outside H & B Petroleum Corp.

Hufford #7

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 49750

Printed: 2012.12.24 @ 11:38:00



DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp.**

PO Box 277
Ellinwood KS 67526

ATTN: James Musgrove

Hufford #7

33-21s-13w Stafford,KS

Start Date: 2012.12.22 @ 01:03:35

End Date: 2012.12.22 @ 08:07:20

Job Ticket #: 50826 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.24 @ 11:36:58



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford, KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 50826

DST#: 5

ATTN: James Musgrove

Test Start: 2012.12.22 @ 01:03:35

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:33:20

Time Test Ended: 08:07:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3746.00 ft (KB) To 3755.00 ft (KB) (TVD)

Reference Elevations: 1896.00 ft (KB)

Total Depth: 3755.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8352

Inside

Press @ Run Depth: 448.43 psig @ 3747.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.22

End Date:

2012.12.22

Last Calib.:

2012.12.22

Start Time: 01:03:40

End Time:

08:07:19

Time On Btm:

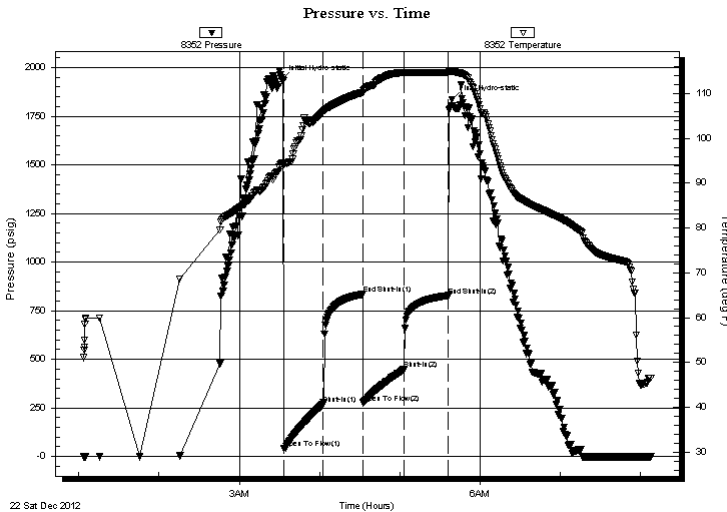
2012.12.22 @ 03:32:05

Time Off Btm:

2012.12.22 @ 05:38:50

TEST COMMENT: IF: Strong blow . B.O.B. in 90 secs.
IS: Weak blow . 1/2 - 3".
FF: Strong blow . B.O.B. in 3 mins.
FS: Weak blow . 1/2 - 3".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1939.04	94.43	Initial Hydro-static
2	43.90	94.21	Open To Flow (1)
31	268.75	105.88	Shut-In(1)
60	834.25	110.26	End Shut-In(1)
61	276.41	110.17	Open To Flow (2)
91	448.43	114.69	Shut-In(2)
125	827.48	114.67	End Shut-In(2)
127	1836.29	114.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	35 ft. of GIP	0.00
25.00	CGO 14%g 86%o	0.35
125.00	OCMW 12%o 20%m 68%w	1.75
830.00	SOCW <1%o 99%w	11.64

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 50826

DST#: 5

ATTN: James Musgrove

Test Start: 2012.12.22 @ 01:03:35

Tool Information

Drill Pipe:	Length: 3747.00 ft	Diameter: 3.80 inches	Volume: 52.56 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	56000.00 lb
			<u>Total Volume: 52.56 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3746.00 ft			Final	39000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	9.00 ft				
Tool Length:	29.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

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

C.O. Sub	1.00			3727.00	
Shut in tool	5.00			3732.00	
HMV	5.00			3737.00	
Packer	4.00			3741.00	20.00 Bottom Of Top Packer
Packer	5.00			3746.00	
Stubb	1.00			3747.00	
Recorder	0.00	8352	Inside	3747.00	
Recorder	0.00	8370	Outside	3747.00	
Perforations	3.00			3750.00	
Bullnose	5.00			3755.00	9.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 50826

DST#: 5

ATTN: James Musgrove

Test Start: 2012.12.22 @ 01:03:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

21.3 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

33000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	35 ft.of GIP	0.000
25.00	CGO 14%g 86%o	0.351
125.00	OCMW 12%o 20%m 68%w	1.753
830.00	SOCW <1%o 99%w	11.643

Total Length: 980.00 ft Total Volume: 13.747 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

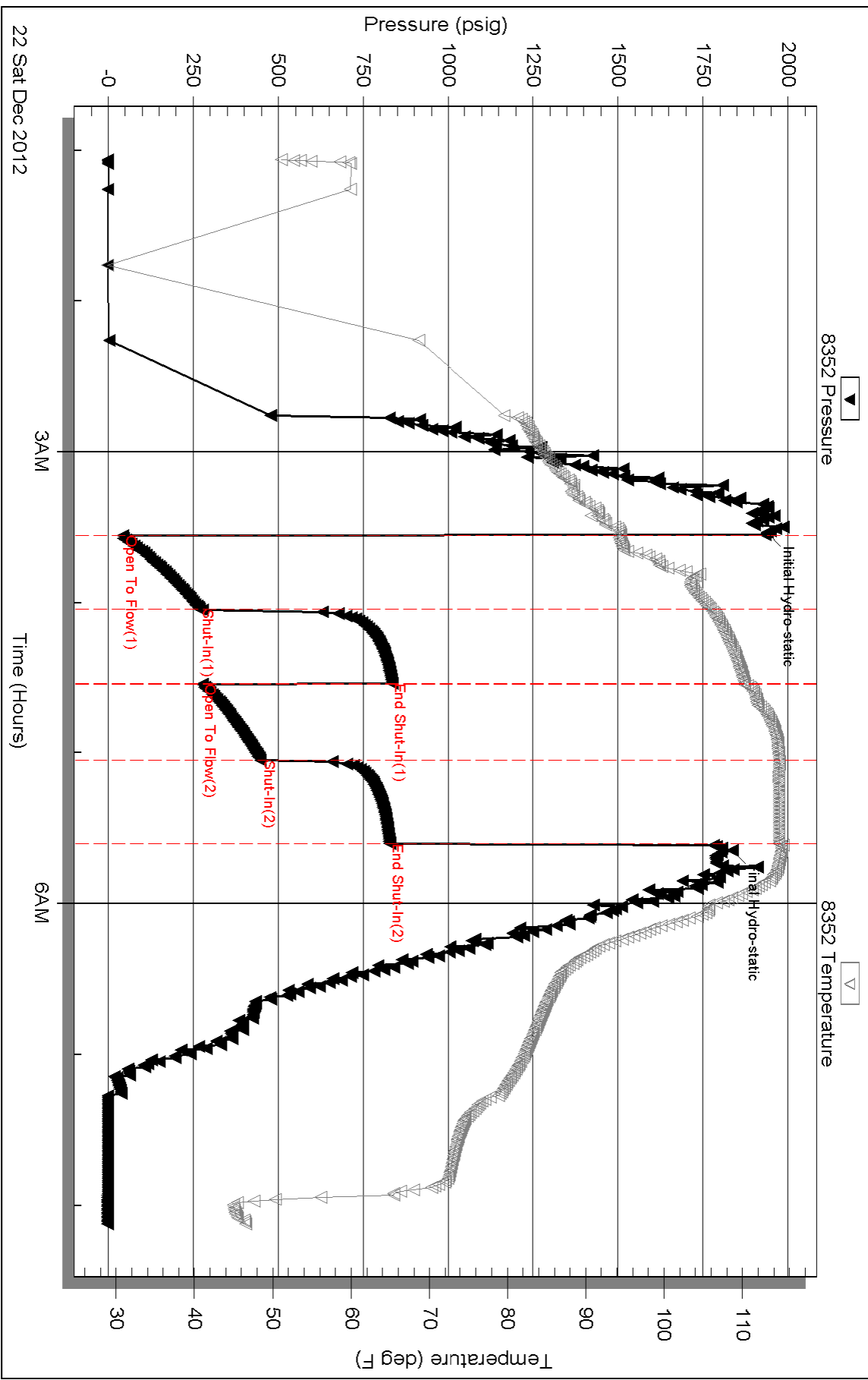
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .42ohms @35deg

Pressure vs. Time

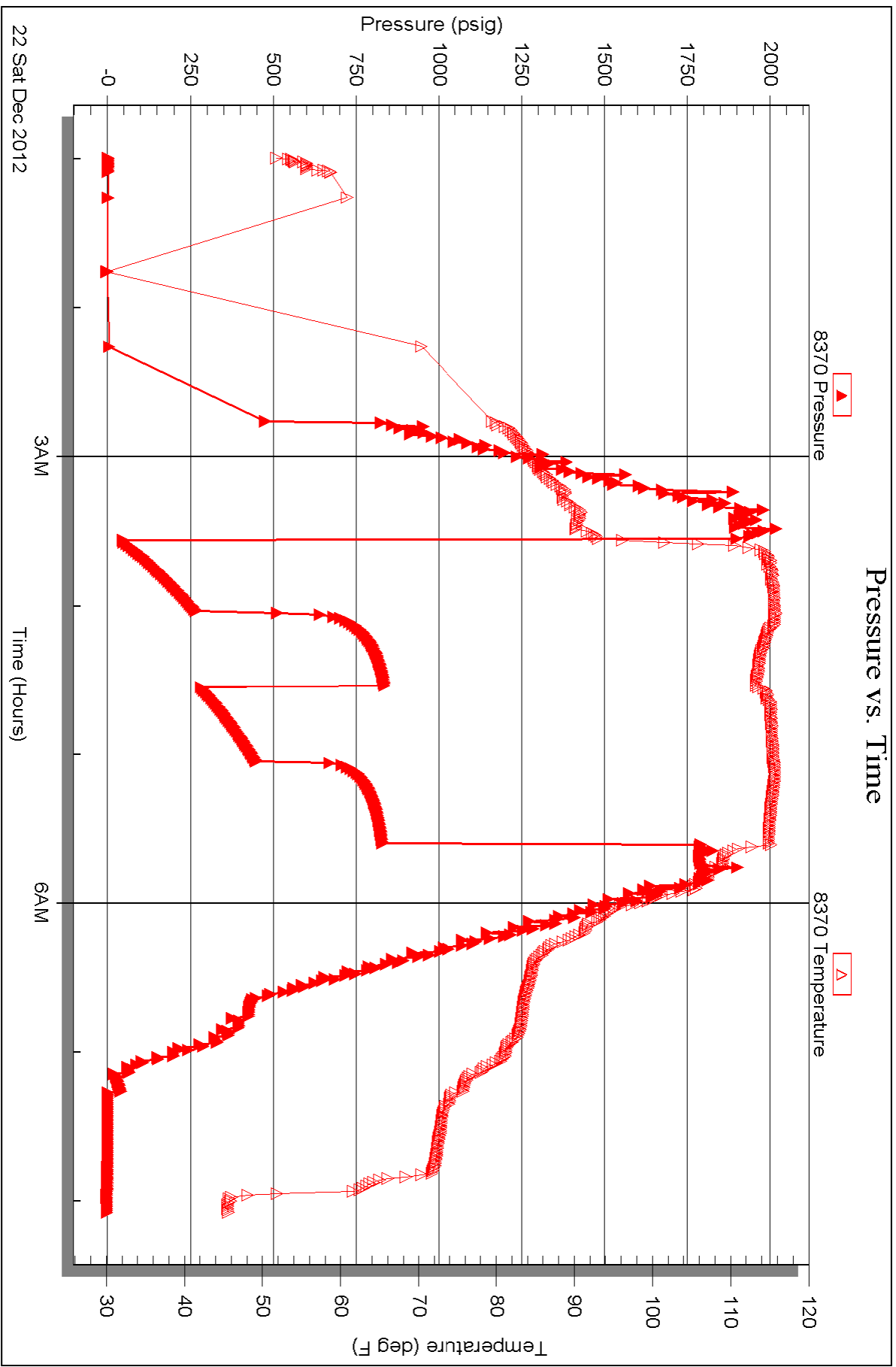


Serial #: 8370

Outside H & B Petroleum Corp.

Hurford#7

DST Test Number: 5





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49747

4/10

Well Name & No. HUFFORD #7 Test No. 1 Date 12-19-12
 Company H & B PETROLEUM CORP. Elevation 1896 KB 1089 GL
 Address P.O. Box 277, ELLINWOOD Ks. 67526
 Co. Rep / Geo. JIM MUSGROVE Rig SOUTHWIND DRUG #4
 Location: Sec. 33 Twp. 21 Rge. 13^w Co. STAFFORD State Ks.

Interval Tested 3380 - 3464' Zone Tested L/KE
 Anchor Length 84' Drill Pipe Run 3372' Mud Wt. 9.2
 Top Packer Depth 3375' Drill Collars Run 0 Vis 60
 Bottom Packer Depth 3380' Wt. Pipe Run 0 WL 8.0
 Total Depth 3464' Chlorides 1600 ppm System LCM 0

Blow Description IF: Strong blow, 3.0.B. in 10 sec. GTS in 25 mins.
ISI: No blow.
FF: Strong blow, (see gas flow report) FSI: Weak blow. 1/2 - 3/4".

Rec	Feet of	%gas	%oil	%water	%mud
31	GCM w o apcs				
62	SOC, GM	13	2		85
62	GOCM	30	8		62

Rec Total ISS Fluid BHT 103° Gravity N/A API RW NC @ ~ ° F Chlorides 1600 ppm

(A) Initial Hydrostatic 1693 Test 1150 T-On Location 0118
 (B) First Initial Flow 32 Jars T-Started 0227
 (C) First Final Flow 46 Safety Joint T-Open 0438
 (D) Initial Shut-In 580 Circ Sub T-Pulled 0801
 (E) Second Initial Flow 45 Hourly Standby T-Out 0944
 (F) Second Final Flow 76 Mileage 75 116.25 Comments _____
 (G) Final Shut-In 530 Sampler _____
 (H) Final Hydrostatic 1650 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60

Sub Total 1266.25
 MP/DST Disc't _____

Approved By [Signature] Our Representative Gary P. [Signature]
 TriLOBITE Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49748

4/10

Well Name & No. HUFFORD # 7 Test No. 2 Date 12-19-12
 Company H & B PETROLEUM CORP. Elevation 1896 KB 1889 GL
 Address P.O. Box 277, ELLINWOOD Ks. 67526
 Co. Rep / Geo. Jim Musgrove Rig SOUTHWIND DRILL #4
 Location: Sec. 33 Twp. 21S Rge. 13W Co. STAFFORD State KS.

Interval Tested 3490 - 3512' Zone Tested L/KC
 Anchor Length 22' Drill Pipe Run 3496' Mud Wt. 9.2
 Top Packer Depth 3485' Drill Collars Run 0 Vis 59
 Bottom Packer Depth 3490' Wt. Pipe Run 0 WL 8.0cc
 Total Depth 3512' Chlorides 2,000 ppm System LCM 0

Blow Description IF: Strong blow. B.O.B. in 14 mins. IST: Wake below, 1/4-1/2" decreasing.
FF: Fair blow, slow increase to 12". FST: Wake below.
(surface)

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>Gas in pipe</u>				
<u>90</u>	<u>50CMW</u>		<u>3</u>	<u>73</u>	<u>24</u>
<u>350</u>	<u>SW w o specs.</u>				

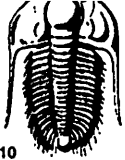
Rec Total 440 Fluid BHT 99° Gravity N/A API RW 27 @ 38° F Chlorides 51,000 ppm

(A) Initial Hydrostatic 1742 Test 1150 T-On Location 1616
 (B) First Initial Flow 20 Jars T-Started 1647
 (C) First Final Flow 153 Safety Joint T-Open 1826
 (D) Initial Shut-In 233 Circ Sub T-Pulled 2129
 (E) Second Initial Flow 154 Hourly Standby T-Out 2326
 (F) Second Final Flow 205 Mileage 75M 116.25 Comments _____
 (G) Final Shut-In 233 Sampler _____
 (H) Final Hydrostatic 1684 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1266.25
 Sub Total 1266.25
 Total 1266.25
 MP/DST Disc't _____

Approved By _____ Our Representative Cory P. [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49749

Well Name & No. HUFFORD # 7 Test No. 3 Date 12-20-12
 Company H&B PETROLEUM CORP. Elevation 1896 KB 1889 GL
 Address P.O. Box 277, ELLINWOOD Ks. 67526
 Co. Rep / Geo. JIM MUSGROVE Rig SOUTHWIND DRILL #4
 Location: Sec. 33 Twp. 21 S Rge. 13 W Co. STAFFORD State KS

Interval Tested 3510 - 3600' Zone Tested L/KC
 Anchor Length 90' Drill Pipe Run 3495' Mud Wt. 8.9
 Top Packer Depth 3505' Drill Collars Run 0 Vis 59
 Bottom Packer Depth 3510' Wt. Pipe Run 0 WL 9.6 cc
 Total Depth 3600' Chlorides 5000 ppm System LCM 0
 Blow Description IF: Weak blow, 1/2 - 3" in diesel. IST: No blow.

FF: Fair blow, 4-10" in diesel. FST: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>220</u>	<u>Gas in pipe</u>				
<u>25</u>	<u>Dry mud</u>				

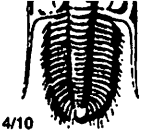
Rec Total 25 Fluid BHT 108.0 Gravity N/A API RW N.C. @ — °F Chlorides 5000 ppm

(A) Initial Hydrostatic 1778 Test 1150 T-On Location 1039
 (B) First Initial Flow 21 Jars _____ T-Started 1145
 (C) First Final Flow 23 Safety Joint _____ T-Open 1356
 (D) Initial Shut-In 118 Circ Sub _____ T-Pulled 1613
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 1750
 (F) Second Final Flow 24 Mileage (25) 116.25 Comments _____
 (G) Final Shut-In 167 Sampler _____
 (H) Final Hydrostatic 1695 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1266.25
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1266.25

Approved By _____

Our Representative Gary Twilley

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Well Name & No. HUFFORD #7 Test No. 4 Date 12-21-12
 Company H & B PETROLEUM CORP. Elevation 1896 KB 1889 GL
 Address ELMWOOD Ks. 67526
 Co. Rep / Geo. SIM MUSGROVE Rig SOUTHWIND DRILLING II
 Location: Sec. 33 Twp. 21S Rge. 13W Co. STAFFORD State Ks.

Interval Tested 3683-3742' Zone Tested Viana / ARBUCKLE
 Anchor Length 59' Drill Pipe Run 3682' Mud Wt. 9.1
 Top Packer Depth 3678' Drill Collars Run 0 Vis 56
 Bottom Packer Depth 3683' Wt. Pipe Run 0 WL 9.2 cc
 Total Depth 3742' Chlorides 5,000 ppm System LCM 0

Blow Description IF: Strong blow. B.O.B. in 90 secs. IST: Weak blow. 1/2 - 2 1/2".
FF: Strong blow. B.O.B. in 2 mins. GTS in 12 mins. TSTM
ESI: Strong blow. B.O.B.

Rec	Feet of	%gas	%oil	%water	%mud
<u>315</u>	<u>CGO</u>	<u>33</u>	<u>67</u>	<u>0</u>	<u>0</u>
<u>160</u>	<u>GMCO</u>	<u>51</u>	<u>36</u>	<u>13</u>	<u>0</u>
<u>125</u>	<u>GMCO</u>	<u>40</u>	<u>38</u>	<u>22</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 600 fluid BHT 104° Gravity 36.6 API RW N.C. @ ° F Chlorides 5,000 ppm
 (A) Initial Hydrostatic 1869 Test 1150 T-On Location 1010
 (B) First Initial Flow 50 Jars _____ T-Started 1025
 (C) First Final Flow 153 Safety Joint _____ T-Open 1156
 (D) Initial Shut-In 1127 Circ Sub _____ T-Pulled 1400
 (E) Second Initial Flow 160 Hourly Standby _____ T-Out 1627
 (F) Second Final Flow 240 Mileage 750 116.25 Comments _____
 (G) Final Shut-In 1106 Sampler _____
 (H) Final Hydrostatic 1801 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1266.25
 MP/DST Disc _____
 Sub Total 1266.25

Approved By _____ Our Representative Cory [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **50826**

4/10

Well Name & No. HUFFORD #7 Test No. 5 Date 12-22-12
 Company HEB PETROLEUM CORP. Elevation 1896 KB 1889 GL
 Address ELIWOOD KS 67526
 Co. Rep / Geo. JIM MUSCROVE Rig SOUTHWIND DRUG #4
 Location: Sec. 33 Twp. 21^S Rge. 13^W Co. STAFFORD State Ks

Interval Tested 3746 - 3755' Zone Tested ARBUCKLE
 Anchor Length 9' Drill Pipe Run 3747' Mud Wt. 9.1
 Top Packer Depth 3741' Drill Collars Run 0 Vis 61
 Bottom Packer Depth 3746' Wt. Pipe Run 0 WL 9.2
 Total Depth 3755 Chlorides 5,000 ppm System LCM 0

Blow Description IF: Strong blow, B.O.B. in 90 sec. ISI: Weak blow, 1/2-3".
FF: Strong blow, B.O.B. in 3 mins. FSI: Weak blow, 1/2-3".

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>G-IP</u>				
<u>25</u>	<u>BOCGO</u>				
<u>125</u>	<u>OCMW</u>		<u>12</u>	<u>68</u>	<u>20</u>
<u>830</u>	<u>SOCW</u>		<u>41</u>	<u>99</u>	

Rec Total 980 Fluid BHT 117° Gravity N/A API RW .42 @ 36 °F Chlorides 33,000 ppm

(A) Initial Hydrostatic 1939 Test 1150 T-On Location 0026
 (B) First Initial Flow 44 Jars _____ T-Started 0103
 (C) First Final Flow 269 Safety Joint _____ T-Open 0333
 (D) Initial Shut-In 834 Circ Sub _____ T-Pulled 0534
 (E) Second Initial Flow 226 Hourly Standby _____ T-Out 0807
 (F) Second Final Flow 448 Mileage 75 116.25
 (G) Final Shut-In 827 Sampler _____
 (H) Final Hydrostatic 1836 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1266.25

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1266.25
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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