



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1192003  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

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

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

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

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1192003

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Mount Trust 1
Doc ID	1192003

All Electric Logs Run

Dual Induction
Neutron
Density
Microresistivity
BHC Sonic

Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Mount Trust 1
Doc ID	1192003

Tops

Name	Top	Datum
Anhydrite	927	
Base Anhydrite	954	
Heebner	3385	
Toronto	3401	
Douglas	3419	
Brown Lime	3497	
Lansing	3508	
Base Kansas City	3715	
Viola	3841	
Simpson Sand	3929	
Arbuckle	3934	

# SCHIPPER'S OIL FIELD SERVICES, L.L.C.

1151

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT:

*Russell KS*

DATE <i>11-10-13</i>	SEC. <i>3</i>	TWP. <i>22</i>	RANGE <i>15</i>	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Mount Trust</i>	WELL #. <i>1</i>	LOCATION	CALLED OUT	COUNTY <i>Powder</i>	STATE <i>KS</i>	
OLD OR NEW (CIRCLE ONE)						

CONTRACTOR *Southwind #70* OWNER \_\_\_\_\_

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *417*

CASING SIZE *8 5/8* DEPTH *404.53*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX *300psi* MINIMUM *Ops*

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *2544*

PERFS

DISPLACEMENT *2496 bbl*

EQUIPMENT

PUMP TRUCK CEMENTER *Heath*

# *P1* HELPER *Cal*

BULK TRUCK DRIVER *Mark*

# *B1*

BULK TRUCK DRIVER

#

REMARKS:  
*Run 9 Hrs of 8 5/8 casing and landing it  
hook up and est circulation with mud pump  
mix 25 sr and shut down - release plug  
and displace of H2O - shut in @ 10 psi  
Cemented circulation to surface*

CHARGE TO: *HOB Petroleum*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Schippers Oil Field Services, L.L.C.,  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. *Thank You.*

PRINTED NAME *Sam Stagg*

SIGNATURE *Sam Stagg*

CEMENT AMOUNT ORDERED *27551 com 3%CC*

*2 bags*

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING \_\_\_\_\_

MILEAGE \_\_\_\_\_

TOTAL \_\_\_\_\_

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

### PLUG & FLOAT EQUIPMENT

*8 5/8 wood plug* \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

SALES TAX (if Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



# ALLIED OIL & GAS SERVICES, LLC

061036

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999

SOUTHLAKE, TEXAS 76092

SERVICE POINT:

*Street Point Ka*

DATE <i>11-17-13</i>	SEC. <i>3</i>	TWP. <i>22</i>	RANGE <i>15</i>	CALLED OUT <i>8:30 AM</i>	ON LOCATION <i>11:00 AM</i>	JOB START <i>3:30 PM</i>	JOB FINISH <i>4:30 PM</i>
LEASE <i>Mount Point</i>	WELL # <i>1</i>	LOCATION <i>2812 K-19, West Texas Co. LN,</i>		COUNTY <i>Powder</i>	STATE <i>KA</i>		
OLD OR NEW (Circle one)		<i>2 west, 3/4 North, west water</i>					

CONTRACTOR *Southwind* OWNER *Same*

TYPE OF JOB *Production*

HOLE SIZE <i>7 7/8</i>	T.D. <i>3938'</i>
CASING SIZE <i>5 1/2</i>	DEPTH <i>3934'</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <i>1800"</i>	MINIMUM <i>1000"</i>
MEAS. LINE	SHOE JOINT <i>11.66</i>
CEMENT LEFT IN CSG. <i>11.66</i>	
PERFS.	
DISPLACEMENT <i>93.56</i>	

### EQUIPMENT

PUMP TRUCK	CEMENTER <i>Tammy Anderson</i>
# <i>597</i>	HELPER <i>Charles Kumpfer</i>
BULK TRUCK	DRIVER <i>Arady Fawcett</i>
# <i>599</i>	DRIVER

### REMARKS:

*Rem 3934' of 5 1/2" cas. Bore circulation  
 circulated 1 day Pumped 5 bbl H2O. 10 bbl  
 DV-1100. 5 bbl H2O. Plug bottom w/ 30 min  
 w/ 1/4 4% gel. ~~...~~  
 Hook back to cas. Mixed 150 lbs ASE 25% Ad  
 6 1/2 Aug. 10% salt, 5% Kalsol/sh. 14% Defoamer.  
 Wash line clean. Release plug. Displace  
 with H2O. Land on plug at 1800 ft. Release  
 and float H2O.*

CHARGE TO: *H & B Petroleum*  
 STREET \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

CEMENT	@	TOTAL
AMOUNT ORDERED <i>150 lbs ASE, 25% Ad, 10% salt</i>		
<i>6 1/2 Aug, 10% salt, 5% Kalsol/sh. 14% Defoamer</i>		
<i>30 lb 6 1/4 4% gel 500 gal DV-1100</i>		
COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
HANDLING	@	
MILEAGE	@	

### SERVICE

DEPTH OF JOB <i>3934</i>	@	
PUMP TRUCK CHARGE	@	
EXTRA FOOTAGE	@	
MILEAGE	@	
MANIFOLD	@	
<i>Head Rental</i>	@	
TOTAL		

### PLUG & FLOAT EQUIPMENT

<i>5 1/2"</i>	@	
<i>Afu Float Shoe</i>	@	
<i>4- Turbo Centrifuge</i>	@	
<i>3- Centrifuge</i>	@	
<i>1- Bender</i>	@	
<i>1- Hotchkiss Plug</i>	@	
TOTAL		

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME *Mike Anderson*  
 SIGNATURE *[Signature]*



## DRILL STEM TEST REPORT

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

PO Box 277  
Ellinwood KS 67526-0277

ATTN: Al Hammersmith / Jim

### **Mount Trust #1**

### **3-22s-15w Pawnee,KS**

Start Date: 2013.11.15 @ 05:10:13

End Date: 2013.11.15 @ 11:52:07

Job Ticket #: 54371                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.19 @ 13:10:57

H&B Petroleum Corp

3-22s-15w Pawnee,KS

Mount Trust #1

DST # 1

LKC H-J

2013.11.15



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

H&B Petroleum Corp  
 PO Box 277  
 Ellinwood KS 67526-0277  
 ATTN: Al Hammersmith / Jim

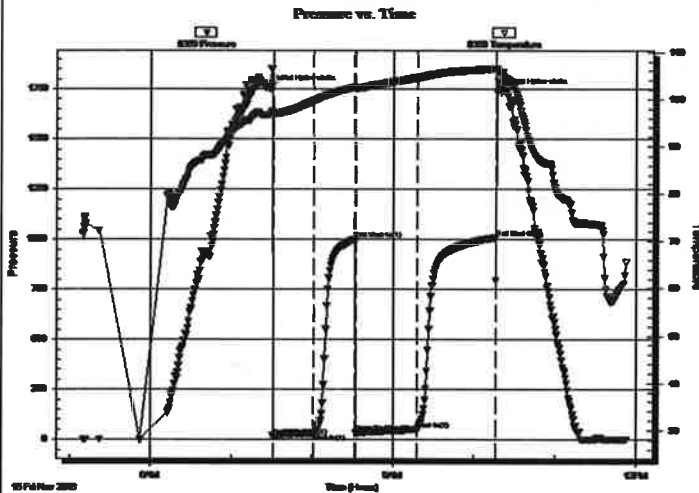
**3-22s-15w Pawnee, KS**  
**Mount Trust #1**  
 Job Ticket: 54371 **DST#: 1**  
 Test Start: 2013.11.15 @ 05:10:13

## GENERAL INFORMATION:

Formation: **LKC H-J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:31:08  
 Time Test Ended: 11:52:07  
 Interval: **3643.00 ft (KB) To 3686.00 ft (KB) (TVD)**  
 Total Depth: 3686.00 ft (KB) (TVD)  
 Hole Diameter: 7.85 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ray Schwager  
 Unit No: 70  
 Reference Elevations: 1984.00 ft (KB)  
 1972.00 ft (CF)  
 KB to GR/CF: 12.00 ft

**Serial #: 8369** **Inside**  
 Press@RunDepth: 50.24 psig @ 3650.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.15 End Date: 2013.11.15 Last Calib.: 2013.10.15  
 Start Time: 05:10:13 End Time: 11:52:07 Time On Btm: 2013.11.15 @ 07:28:38  
 Time Off Btm: 2013.11.15 @ 10:20:07

**TEST COMMENT:** 30-IFP-w k bl thru-out 1/4" to 2 1/4" bl  
 30-ISIP-no bl  
 45-FFP-w k bl thru-out surface to 1 1/2" bl  
 60-FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1752.85	96.77	Initial Hydro-static
3	17.54	96.81	Open To Flow (1)
33	32.10	99.64	Shut-In(1)
63	1001.19	102.50	End Shut-In(1)
64	35.30	102.30	Open To Flow (2)
109	50.24	104.68	Shut-In(2)
168	1009.57	106.53	End Shut-In(2)
172	1733.80	105.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	CO	0.03
20.00	OCM 10%O90%M	0.28
50.00	SOCMW 2%O30%M68%W	0.70

## Gas Rates

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





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

H&B Petroleum Corp  
 PO Box 277  
 Ellinwood KS 67526-0277  
 ATTN: Al Hammersmith / Jim

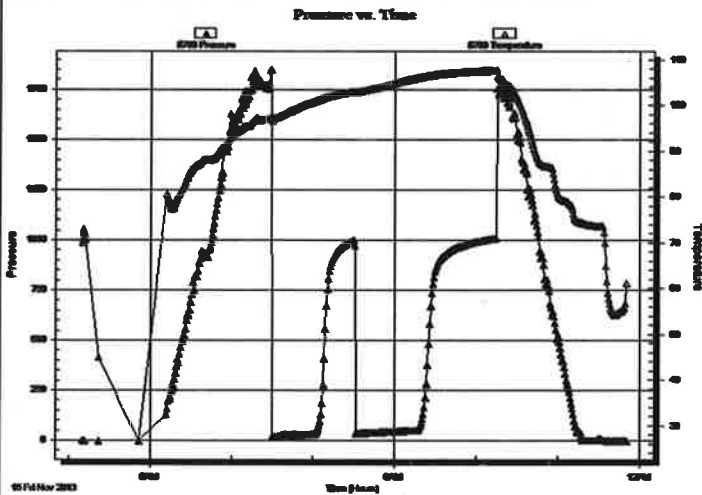
**3-22s-15w Pawnee,KS**  
**Mount Trust #1**  
 Job Ticket: 54371 **DST#: 1**  
 Test Start: 2013.11.15 @ 05:10:13

**GENERAL INFORMATION:**

Formation: **LKC H-J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:31:08  
 Time Test Ended: 11:52:07  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ray Schwager  
 Unit No: 70  
 Interval: **3643.00 ft (KB) To 3686.00 ft (KB) (TVD)**  
 Total Depth: 3686.00 ft (KB) (TVD)  
 Hole Diameter: 7.85 inches Hole Condition: Fair  
 Reference Elevations: 1984.00 ft (KB)  
 1972.00 ft (CF)  
 KB to GR/CF: 12.00 ft

**Serial #: 8700** **Outside**  
 Press@RunDepth: psig @ 3650.00 ft (KB)  
 Capacity: 8000.00 psig  
 Start Date: 2013.11.15 End Date: 2013.11.15 Last Calib.: 2013.10.15  
 Start Time: 05:10:05 End Time: 11:50:44 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30-IFP-w k bl thru-out 1/4" to 2 1/4" bl  
 30-ISIP-no bl  
 45-FFP-w k bl thru-out surface to 1 1/2" bl  
 60-FSIP-no bl



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
2.00	CO	0.03
20.00	OCM 10%O90%M	0.28
50.00	SOCMW 2%O30%M68%W	0.70

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

H&B Petroleum Corp

**3-22s-15w Pawnee,KS**

PO Box 277  
Ellinwood KS 67526-0277

**Mount Trust #1**

Job Ticket: 54371

**DST#: 1**

ATTN: Al Hammersmith / Jim

Test Start: 2013.11.15 @ 05:10:13

### Tool Information

Drill Pipe:	Length: 3630.00 ft	Diameter: 3.80 inches	Volume: 50.92 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3643.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			3623.00	
Shut In Tool	5.00			3628.00	
Hydraulic tool	5.00			3633.00	
Packer	5.00			3638.00	21.00 Bottom Of Top Packer
Packer	5.00			3643.00	
Stubb	1.00			3644.00	
Perforations	6.00			3650.00	
Recorder	0.00	8369	Inside	3650.00	
Recorder	0.00	8700	Outside	3650.00	
Blank Spacing	33.00			3683.00	
Bullnose	3.00			3686.00	43.00 Bottom Packers & Anchor

**Total Tool Length: 64.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

H&B Petroleum Corp

**3-22s-15w Pawnee, KS**

PO Box 277  
Ellinwood KS 67526-0277

**Mount Trust #1**

Job Ticket: 54371

**DST#: 1**

ATTN: Al Hammersmith / Jim

Test Start: 2013.11.15 @ 05:10:13

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 53.00 sec/qt  
Water Loss: 7.17 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 1200.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: deg API  
Water Salinity: 83000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	CO	0.028
20.00	OCM 10%O90%M	0.281
50.00	SOCMV 2%O30%M68%W	0.701

Total Length: 72.00 ft      Total Volume: 1.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .1@65F

Serial #: 8369

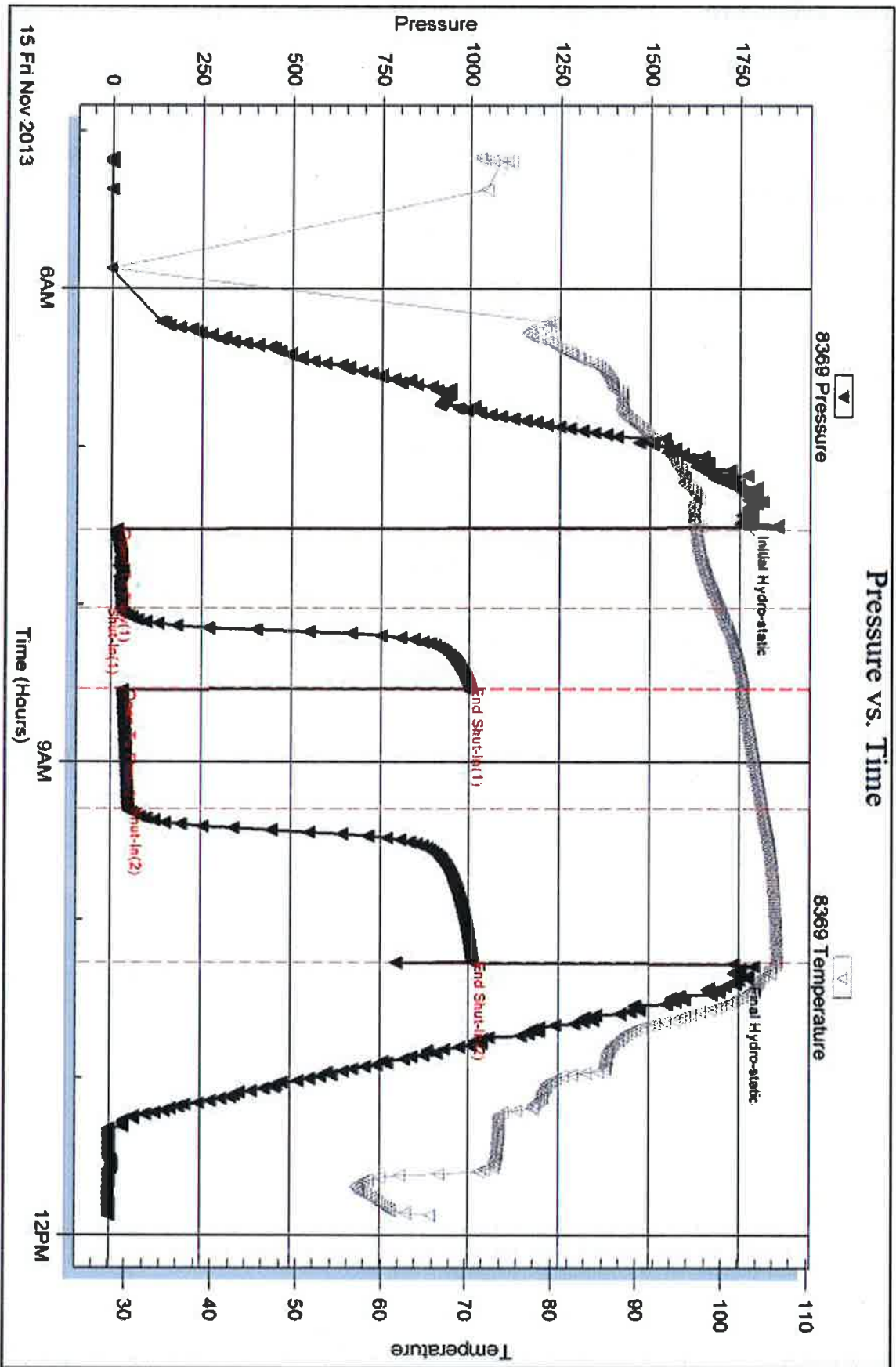
Inside

H&B Petroleum Corp

Mount Trust #1

DST Test Number: 1

### Pressure vs. Time



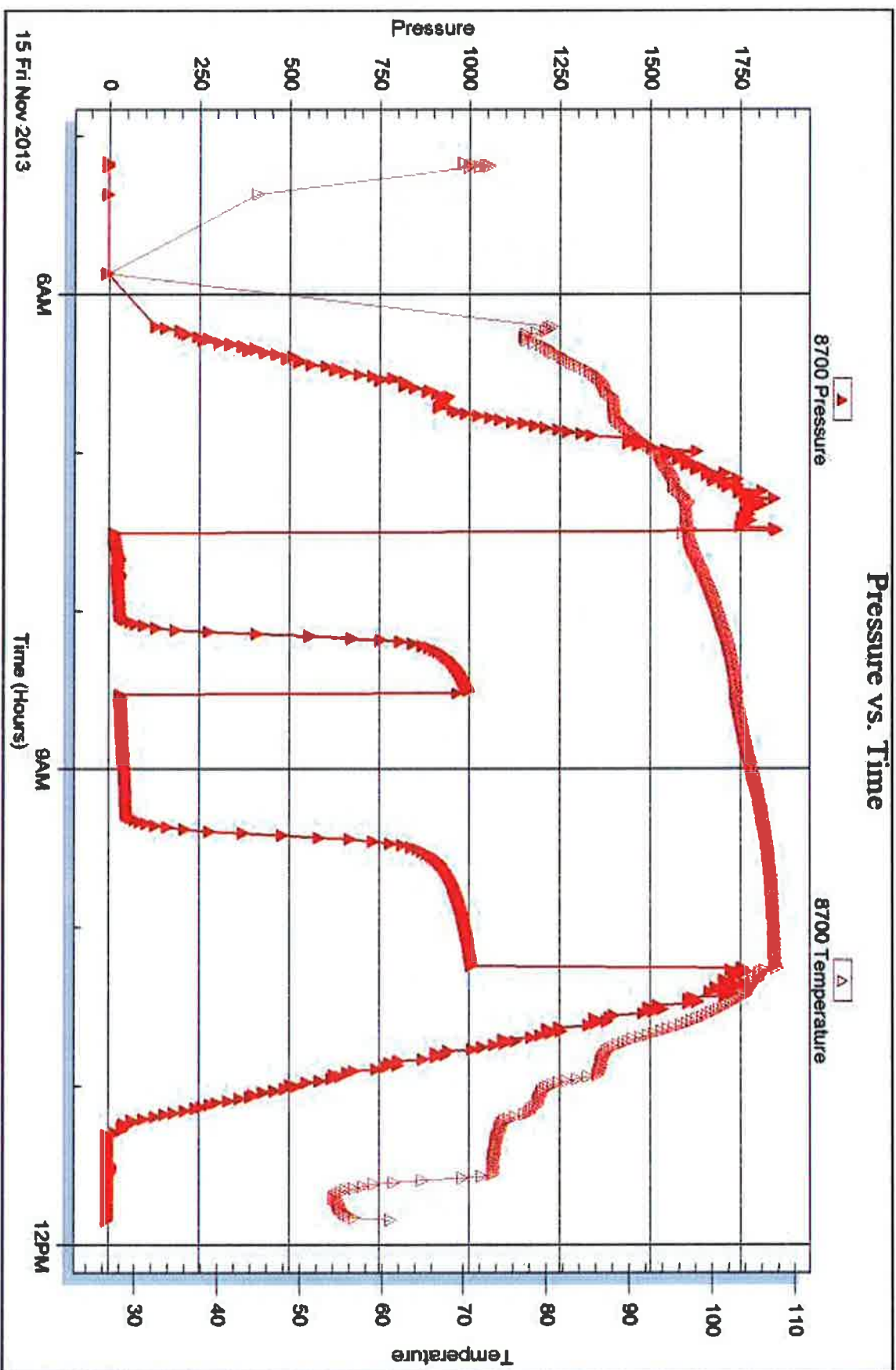
Serial #: 8700

Outside H&B Petroleum Corp

Mount Trust #1

DST Test Number: 1

### Pressure vs. Time



Triobake Testing, Inc

Ref. No: 54371

Printed: 2013.11.19 @ 13:11:00



## DRILL STEM TEST REPORT

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

PO Box 277  
Ellinwood KS 67526-0277

ATTN: Al Hammersmith / Jim

### **Mount Trust #1**

### **3-22s-15w Pawnee,KS**

Start Date: 2013.10.16 @ 13:35:20

End Date: 2013.10.16 @ 23:19:30

Job Ticket #: 54372                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.19 @ 13:10:08

H&B Petroleum Corp

3-22s-15w Pawnee,KS

Mount Trust #1

DST # 2

Arbuckle

2013.10.16





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

H&B Petroleum Corp

**3-22s-15w Pawnee, KS**

PO Box 277  
Ellinwood KS 67526-0277

**Mount Trust #1**

Job Ticket: 54372

**DST#: 2**

ATTN: Al Hammersmith / Jim

Test Start: 2013.10.16 @ 13:35:20

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:19:00

Time Test Ended: 23:19:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: **3860.00 ft (KB) To 3938.00 ft (KB) (TVD)**

Total Depth: 3938.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1984.00 ft (KB)

1972.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 8369** Inside

Press@RunDepth: 1000.12 psig @ 3871.00 ft (KB)

Start Date: 2013.10.16

End Date: 2013.10.16

Start Time: 13:35:20

End Time: 23:19:30

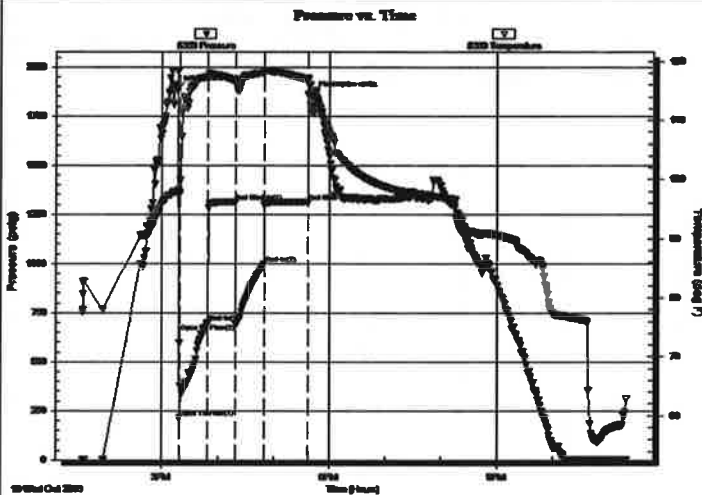
Capacity: 8000.00 psig

Last Calib.: 2013.10.16

Time On Btm: 2013.10.16 @ 15:16:00

Time Off Btm: 2013.10.16 @ 17:41:00

TEST COMMENT: 30-IFP-strg bl in 1 min  
30-ISIP-8"bl bk  
30-FFP-strg bl , GTS in 35 min  
45-FSIP-Gd Bl Bk



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1885.86	97.86	Initial Hydro-static
3	216.09	97.74	Open To Flow (1)
34	697.80	117.31	Shut-In(1)
63	1311.63	116.59	End Shut-In(1)
63	693.66	116.30	Open To Flow (2)
94	1000.12	118.06	Shut-In(2)
142	1312.66	116.91	End Shut-In(2)
145	1855.90	111.35	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2880.00	CO	40.40
90.00	VHO&GCM 10%G40%O50%M	1.26
30.00	O&GCMW 10%G10%O10%M70%W	0.42

\* 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  
PO Box 277  
Ellinwood KS 67526-0277  
ATTN: Al Hammersmith / Jim

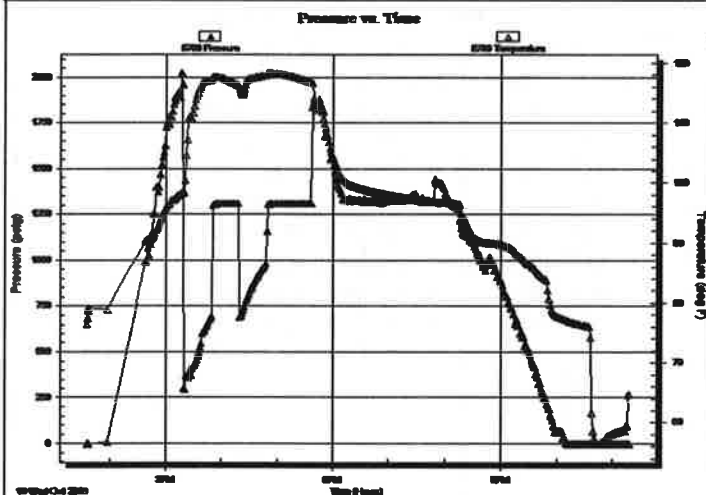
**3-22s-15w Pawnee,KS**  
**Mount Trust #1**  
Job Ticket: 54372      **DST#: 2**  
Test Start: 2013.10.16 @ 13:35:20

### GENERAL INFORMATION:

Formation: <b>Arbuckle</b>	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock:      ft (KB)	Tester: Ray Schwager
Time Tool Opened: 15:19:00	Unit No: 70
Time Test Ended: 23:19:30	
<b>Interval: 3860.00 ft (KB) To 3938.00 ft (KB) (TVD)</b>	Reference Elevations: 1984.00 ft (KB)
Total Depth: 3938.00 ft (KB) (TVD)	1972.00 ft (CF)
Hole Diameter: 7.85 inches Hole Condition: Fair	KB to GR/CF: 12.00 ft

<b>Serial #: 8700</b>	<b>Outside</b>	Capacity: 8000.00 psig
Press@RunDepth:      psig @ 3871.00 ft (KB)		Last Calib.: 2013.10.16
Start Date: 2013.10.16	End Date: 2013.10.16	Time On Btm:
Start Time: 13:35:44	End Time: 23:18:09	Time Off Btm:

**TEST COMMENT:** 30-IFP-strg bl in 1 min  
30-ISIP-8"bl bk  
30-FFP-strg bl, GTS in 35 min  
45-FSIP-Gd Bl Bk



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
2880.00	CO	40.40
90.00	VHO&GCM 10%G40%O50%M	1.26
30.00	O&GCMW 10%G10%O10%M70%W	0.42

### 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

**3-22s-15w Pawnee,KS**

PO Box 277  
Ellinwood KS 67526-0277

**Mount Trust #1**

Job Ticket: 54372

**DST#: 2**

ATTN: Al Hammersmith / Jim

Test Start: 2013.10.16 @ 13:35:20

## Tool Information

Drill Pipe:	Length: 3851.00 ft	Diameter: 3.80 inches	Volume: 54.02 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 54.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3860.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3840.00	
Shut In Tool	5.00			3845.00	
Hydraulic tool	5.00			3850.00	
Packer	5.00			3855.00	21.00 Bottom Of Top Packer
Packer	5.00			3860.00	
Stubb	1.00			3861.00	
Perforations	10.00			3871.00	
Recorder	0.00	8369	Inside	3871.00	
Recorder	0.00	8700	Outside	3871.00	
Blank Spacing	64.00			3935.00	
Bullnose	3.00			3938.00	78.00 Bottom Packers & Anchor

**Total Tool Length: 99.00**



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

H&B Petroleum Corp

**3-22s-15w Pawnee,KS**

PO Box 277  
Ellinwood KS 67526-0277

**Mount Trust #1**

Job Ticket: 54372

**DST#: 2**

ATTN: Al Hammersmith / Jim

Test Start: 2013.10.16 @ 13:35:20

## 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:

13000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.55 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2880.00	CO	40.399
90.00	VHO&GCM 10%G40%O50%M	1.262
30.00	O&GCMW 10%G10%O10%M70%W	0.421

Total Length: 3000.00 ft

Total Volume: 42.082 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .61@55F

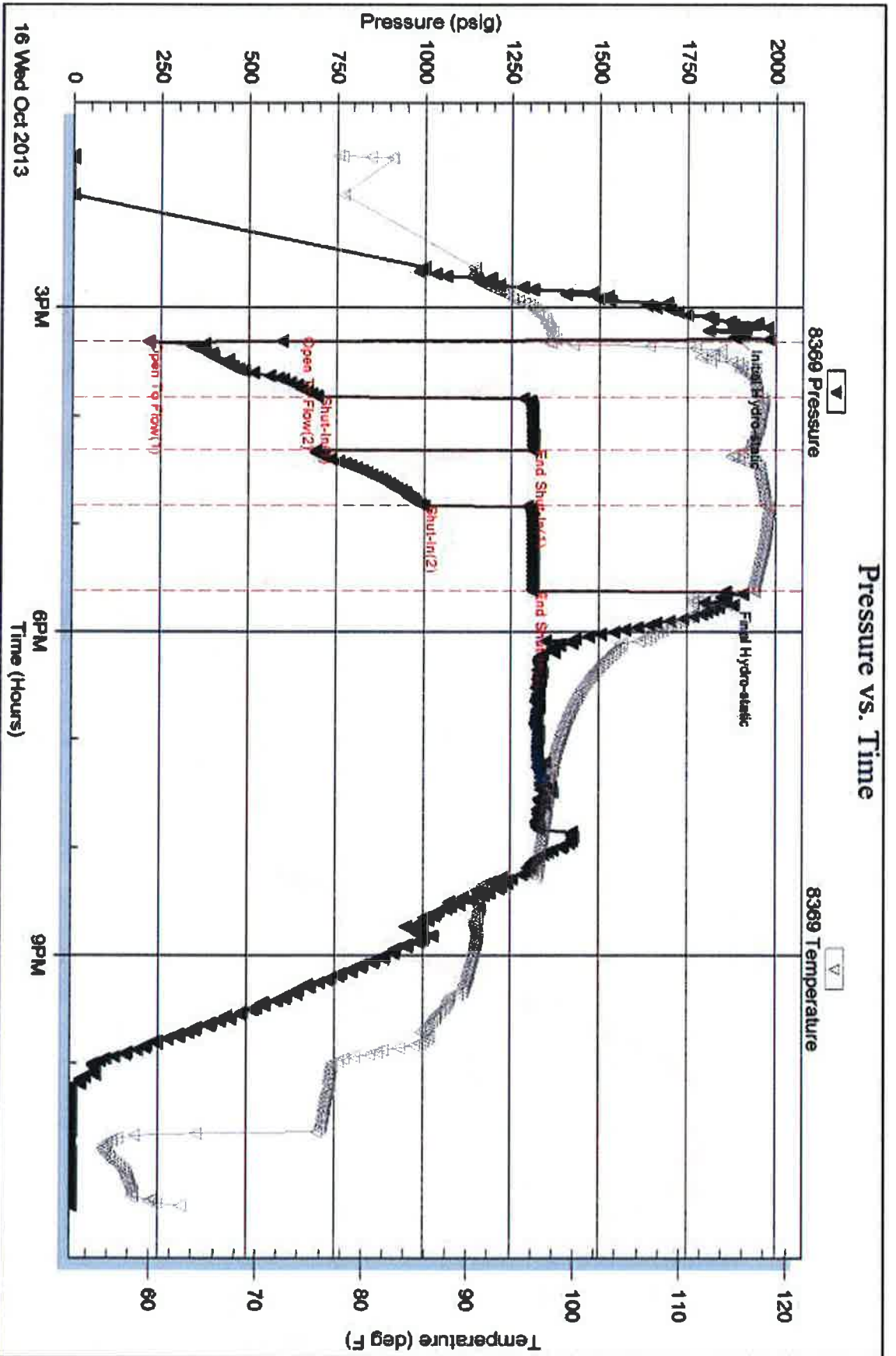
Serial #: 8369

Inside

H&B Petroleum Corp.

Mount Trust #1

DST Test Number: 2



Triobase Testing, Inc

Ref. No: 54372

Printed: 2013.11.19 @ 13:10:10

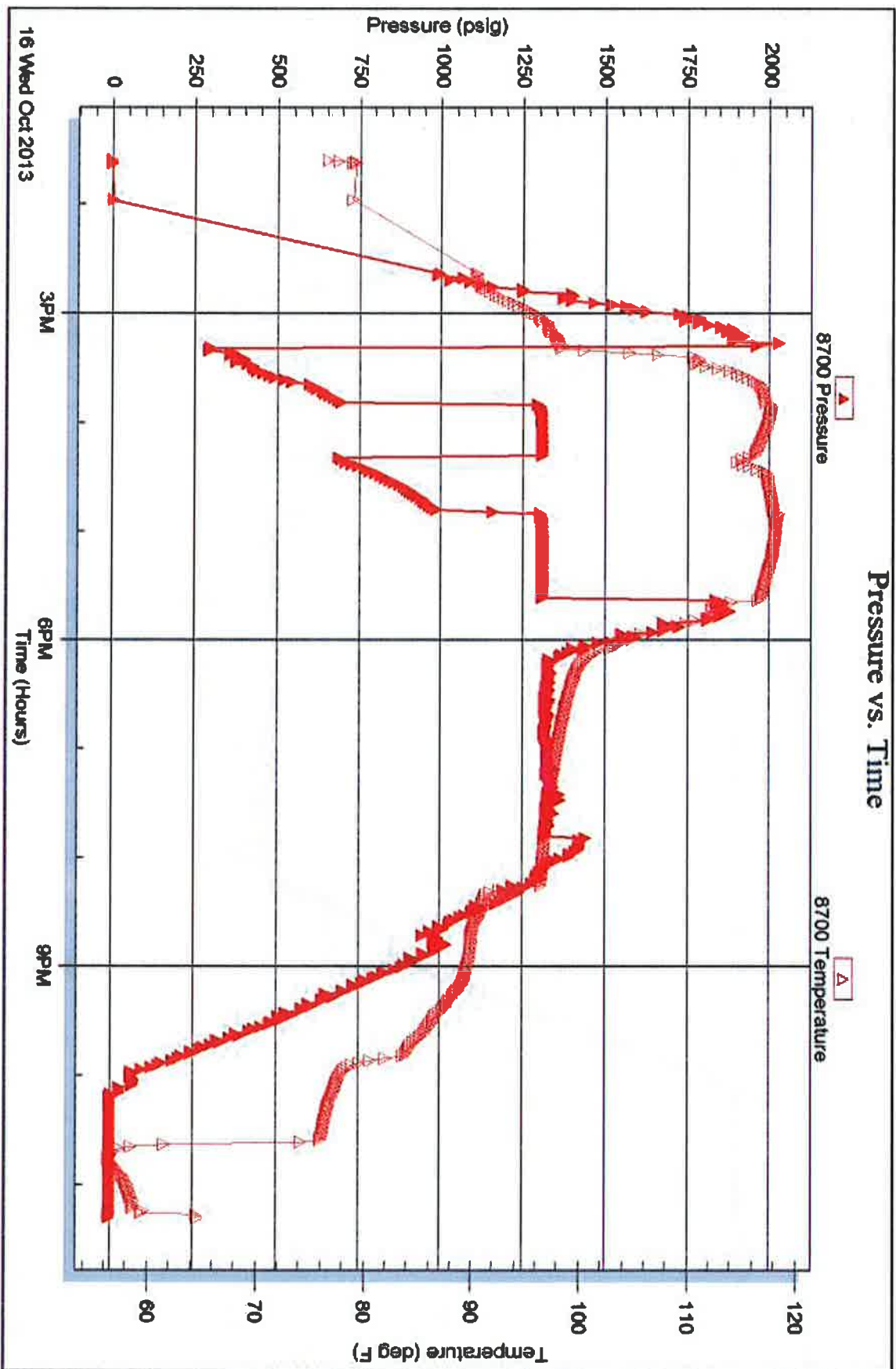
Serial #: 8700

Outside

H&B Petroleum Corp.

Mount Trust #1

DST Test Number: 2



Trickle Testing, Inc

Ref. No: 54372

Printed: 2013.11.19 @ 13:10:10





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54371

Well Name & No. Mount Trust #1 Test No. 1 Date 11-15-13  
 Company H+B Petroleum Corp Elevation 1984 KB 1972 GL  
 Address PO Box 277 Ellinwood, KS 67526-0277  
 Co. Rep / Geo. Jim Musgrove Rig Southwind rig 70  
 Location: Sec. 3 Twp. 22<sup>s</sup> Rge. 15<sup>w</sup> Co. Pawnee State Ks

Interval Tested 3643-3686 Zone Tested LKC  
 Anchor Length 43 Drill Pipe Run 3630 Mud Wt. 9.1  
 Top Packer Depth 3638 Drill Collars Run - Vis 53  
 Bottom Packer Depth 3643 Wt. Pipe Run - WL 7.2  
 Total Depth 3686 Chlorides 1200 ppm System LCM 1 #

Blow Description TFP - Weak Blow thru-out 1/4" to 2/4" Blow  
ISIP - NO Blow  
FFP - Weak Blow thru-out surface to 1/2" Blow  
FSIP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>CO</u>				
<u>20</u>	<u>OCM</u>	<u>10</u>			<u>90</u>
<u>50</u>	<u>SOCMW</u>	<u>2</u>	<u>68</u>		<u>30</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 72 BHT 106 Gravity - API RW .1 @ 65 °F Chlorides 83000 ppm

(A) Initial Hydrostatic 1752  Test 1150 T-On Location 0000  
 (B) First Initial Flow 17  Jars \_\_\_\_\_ T-Started 0510  
 (C) First Final Flow 32  Safety Joint \_\_\_\_\_ T-Open 0730  
 (D) Initial Shut-In 1001  Circ Sub \_\_\_\_\_ T-Pulled 1015  
 (E) Second Initial Flow 35  Hourly Standby \_\_\_\_\_ T-Out 1152  
 (F) Second Final Flow 50  Mileage 142 RT 220.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 1009  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1733  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 45  
 Final Shut-In 60  
 Sub Total 1370.10  
 Total 1370.10  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Ray Schwager Thank you

Trilobite Testing Inc. shall not be liable for damaged of 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.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54372

Well Name & No. Mount Trust #1 Test No. 2 Date 11-16-13  
 Company H & B Petroleum Corp Elevation 1984 KB 1972 GL  
 Address PO Box 277 Ellinwood, Ko 67526-0277  
 Co. Rep / Geo. Jim Musgrove Rig Southwind rig 70  
 Location: Sec. 3 Twp. 22<sup>s</sup> Rge. 15<sup>w</sup> Co. Pawnee State Ks

Interval Tested 3860-3938 Zone Tested Arbuckle  
 Anchor Length 78 Drill Pipe Run 3851 Mud Wt. 9.2  
 Top Packer Depth 3855 Drill Collars Run - Vis 54  
 Bottom Packer Depth 3860 Wt. Pipe Run - WL 9.6  
 Total Depth 3938 Chlorides 5000 ppm System LCM 2#

Blow Description IFP - Strong Blow in 1 min  
ISIP - 8" Blow Back  
FFP - Strong Blow, GTS in 35 min, no gauge  
FSTP - Good Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>2880</u>	<u>Co</u>				
<u>90</u>	<u>VH + GCM</u>	<u>10</u>	<u>40</u>	<u>50</u>	<u>50</u>
<u>30</u>	<u>0 + GCMW</u>	<u>10</u>	<u>10</u>	<u>70</u>	<u>10</u>

Rec Total 3000 BHT 117 Gravity 53+ API RW .61 @ 55 °F Chlorides 13000 ppm

(A) Initial Hydrostatic 1885  Test 1150 T-On Location 1200  
 (B) First Initial Flow 216  Jars T-Started 1335  
 (C) First Final Flow 697  Safety Joint T-Open 1520  
 (D) Initial Shut-In 1311  Circ Sub T-Pulled 1735  
 (E) Second Initial Flow 693  Hourly Standby T-Out 2319  
 (F) Second Final Flow 1000  Mileage 220.10 Comments  
 (G) Final Shut-In 1312  Sampler  
 (H) Final Hydrostatic 1855  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 45  
 Sub Total 1370.10  
 Total 1370.10  
 MP/DST Disc't

Approved By \_\_\_\_\_ Our Representative Ray Schwager Thank you

TriLOBite Testing Inc. shall not be liable for damaged of 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.