



KANSAS CORPORATION COMMISSION 1074672
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: _____



1074672

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> <i>(Submit ACO-4)</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	Hagelgantz 34-1
Doc ID	1074672

All Electric Logs Run

Dual Induction
Dual Compensated Porosity
Microresistivity
Sonic Porosity
Cement Bond

Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Hagelgantz 34-1
Doc ID	1074672

Tops

Name	Top	Datum
Anhydrite	1405	
Heebner	3597	
Toronto	3617	
Lansing	3641	
Base Kansas City	3921	
Fort Scott	4091	
Cherokee	4114	
Mississippi	4185	

ALLIED CEMENTING CO., LLC. 038163

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell, KS
11-27-2011

DATE 8-26-2011	SEC 34	TWP 17 S	RANGE 21 W	CALLED OUT	ON LOCATION MIDNIGHT	JOB START 4:00 AM	JOB FINISH 4:30 AM
LEASE AGELA 4720	WELL # 34-1	LOCATION Alexander, KS, 4 1/2 W To H-H				COUNTY NEBR	STATE KANSAS
OLD OR NEW (Circle one) NEW		4 N 1/2 W 1/4 N INTD					

CONTRACTOR **Southwind Drilling, Rig #2** OWNER _____

TYPE OF JOB **Production Staining**

HOLE SIZE **7 7/8** T.D. **4300 RTD** CEMENT AMOUNT ORDERED **150 Sx Com, 10% Salt**

CASING SIZE **4 1/2 New** DEPTH **4299**

PIPE SIZE **10.5" # CSG** DEPTH

DRILL PIPE DEPTH

TOOL PORT **Collar** DEPTH **1418**

PRES. MAX **1500** MINIMUM

MEAS. LINE SHOE JOINT **19'**

CEMENT LEFT IN CSG. **19'**

PERFS.

DISPLACEMENT **68 BBL**

EQUIPMENT

COMMON	207	@ 16.25	3363.75
POZMIX	38	@ 8.50	323.00
GEL	6	@ 21.25	127.50
CHLORIDE		@	
ASC		@	
		@	
Salt	13	@ 23.95	311.35
		@	
		@	
		@	
		@	
HANDLING	264	@ 2.25	594.00
MILEAGE	11.56 hr @ 20		580.80
TOTAL			5300.40

PUMP TRUCK CEMENTER **Allen**

417 HELPER **Woody**

BULK TRUCK

423 DRIVER **Rox**

BULK TRUCK

328 DRIVER **Walt**

REMARKS:

RAN JOB OF NEW # 4 1/2 CSG, SET @ 4299, Hook-up to Mud Pump & Received Circulation, Circ. 1" HR. on Bottom. Pump Sx Scavenger, Plug Ret. Mase, Mixed 150 Sx Com 10% Salt, 2% Gel, Clear Line Release Plug, & Displace 68 BBL H₂O. LAND LATCH Down Plug @ 1500 # Release & (HELD) 30 Sx @ Rathole 15 Sx @ house hole

HANK'S

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			222.50
EXTRA FOOTAGE		@	
MILEAGE	40	@ 7.00	280.00
MANIFOLD		@	
	40	@ 4.00	160.00
		@	
TOTAL			265.00

CHARGE TO: **H & B Petroleum**

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

RR	Float shoe	@	229.00
RR	Latch Down Plug Assy	@	76.00
RR	Central Plug	@ 34.00	306.00
RR	4-Basket's	@ 18.00	756.00
B.	1-Port-Collar	@	1740.00
TOTAL			3197.00

To Allied Cementing Co., 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 **11159.40**

DISCOUNT **5/0** IF PAID IN 30 DAYS

PRINTED NAME **William Sanders**

SIGNATURE **William Sanders**

ALLIED CEMENTING CO., LLC. 038274

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <u>9/21/11</u>	SEC <u>34</u>	TWP <u>17 S</u>	RANGE <u>21 W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30 AM</u>	JOB FINISH <u>12:30 PM</u>
LEASE <u>Hedgegate</u>	WELL # <u>34-1</u>	LOCATION <u>Alexander SW N A</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>190 rd 22 W NW</u>				

CONTRACTOR Trinity Oilfield Services OWNER _____

TYPE OF JOB P.C.

HOLE SIZE 7 7/8 T.D. _____

CASING SIZE 4 1/2 DEPTH _____

TUBING SIZE 2 3/8 DEPTH _____

DRILL PIPE DEPTH _____

TOOL DEPTH _____

PRES. MAX 1000 psi MINIMUM _____

MEAS. LINE SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 4.5 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Shane

409 HELPER Tony

BULK TRUCK _____

473 DRIVER Cody

BULK TRUCK _____

_____ DRIVER _____

CEMENT

AMOUNT ORDERED 350 60% 6.8 6.1

1/4 #10

20 Gel on Side

COMMON 210 @ 14.25 341.25

POZMIX 140 @ 8.50 1190.00

GEL 38 @ 21.25 807.50

CHLORIDE @ _____

ASC @ _____

@ _____

@ _____

@ _____

@ _____

@ _____

@ _____

HANDLING 388 @ 2.25 873.00

MILEAGE 388/20/1.11 @ (20) 853.60

TOTAL 4065.35

REMARKS:

BD 3350' Tied on Tubin.
Turned hole with 49,1466
Tested hole to 1000psi. Opened
P.C. Mixed 20 sks Gel per
load then mixed 35 sks
Cement Circulated. Displaced
4.5 bbl. Closed P.C. Tested
to 1000psi. Row 5 5/2 Worked
Clean.

SERVICE

DEPTH OF JOB 1100

PUMP TRUCK CHARGE 19.25⁰⁰

EXTRA FOOTAGE @ _____

MILEAGE 40 @ 7.00 280⁰⁰

MANIFOLD @ _____

@ _____

40 @ 4.00 160⁰⁰

TOTAL 2365

CHARGE TO: H & B Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

@ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES 6430.35

DISCOUNT 50% IF PAID IN 30 DAYS

PRINTED NAME Mike Hammermill

SIGNATURE Mike Hammermill

Thanks!

ALLIED CEMENTING CO., LLC. 038276

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell Ks.

DATE <u>9-9-2011</u>	SEC. <u>12</u>	TWP. <u>20S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30 PM</u>	JOB FINISH <u>5:00 PM</u>
LEASE # <u>HAGEL 0472E</u>	WELL # <u>34-1</u>	LOCATION <u>Alexander KS, 4 1/2 W RD "HH"</u>			COUNTY <u>Ness</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>TRINITY Well Service</u>	OWNER
TYPE OF JOB <u>Squeeze (Cement Retainer)</u>	
HOLE SIZE _____ T.D. _____	CEMENT <u>110 sx</u>
CASING SIZE <u>4 1/2</u> DEPTH _____	AMOUNT ORDERED <u>110 sx Corn 3%cc</u>
TUBING SIZE <u>2 3/8</u> DEPTH _____	
DRILL PIPE _____ DEPTH <u>CHARIS P.</u>	
TOOL <u>Rew Hardt Oil Tool</u> DEPTH <u>4135' Retainer</u>	
PRES. MAX <u>2000 #</u> MINIMUM <u>500 #</u>	COMMON <u>110</u> @ <u>16.25</u> <u>1787.50</u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX @ _____
CEMENT LEFT IN CSG. _____	GEL @ _____
PERFS. @ <u>4188-4189</u>	CHLORIDE <u>4</u> @ <u>58.20</u> <u>232.80</u>
DISPLACEMENT <u>T-16 BBL</u>	ASC @ _____
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Glenn</u>	
# <u>417</u> HELPER <u>Woody</u>	
BULK TRUCK	
# <u>378</u> DRIVER <u>Toby</u>	
BULK TRUCK	
# _____ DRIVER _____	
	HANDLING <u>114</u> @ <u>3.00</u> <u>342.00</u>
	MILEAGE <u>111/16 mile</u> @ <u>20</u> <u>2220.00</u>
	TOTAL <u>2615.10</u>

REMARKS:
* GOT APPROX (75) SX OUT INTO FORMATION
Set Cement Retainer @ 4135' (Perf @ 4188-89)
Load Backside, Sting into Retainer +
Took Injection Rate of 1BPM @ 1,000 #
Mixed 110 sx Cement, + Pressured to 1500 #.
Clear-Line, + Displaced 7 BBL Behind
Cement (1800') + Pressured to 2,000 # (Held)
Pull out of Retainer, + Washed Clear
Short-way. (27BB) Came out of Hole.
THANK'S

SERVICE	
DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	<u>1050.00</u>
EXTRA FOOTAGE @ _____	
MILEAGE <u>40</u> @ <u>7.00</u> _____	<u>280.00</u>
MANIFOLD <u>yes</u> @ _____	
_____ @ <u>4.00</u> _____	<u>160.00</u>
TOTAL	<u>1490.00</u>

CHARGE TO: H & B PETROLEUM

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL		_____

To Allied Cementing Co., 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.

PRINTED NAME Jeremy Bradley

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES 4105.10

DISCOUNT 50/20 IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

TOOL DIAGRAM

H&B Petroleum
 Po Box Petroleum Ellinw ood
 Kansas 67526
 ATTN: Josh Austin

Hagelgantz 34-1
34-17s-21w Ness
 Job Ticket: 16571 **DST#: 1**
 Test Start: 2011.08.23 @ 08:55:00

Tool Information

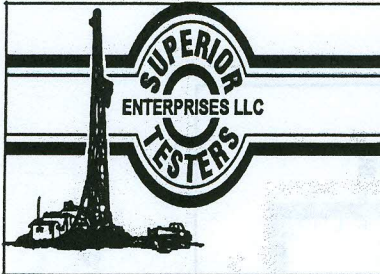
Drill Pipe:	Length: 4076.00 ft	Diameter: 3.80 inches	Volume: 57.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 57.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4085.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4070.00	
Hydraulic Tool	5.00			4075.00	
Packer	5.00			4080.00	20.00 Bottom Of Top Packer
Packer	5.00			4085.00	
Perforations	23.00			4108.00	
Recorder	1.00	6806	Inside	4109.00	
Recorder	1.00	6663	Outside	4110.00	
Bull Plug	3.00			4113.00	28.00 Bottom Packers & Anchor

Total Tool Length: 48.00



DRILL STEM TEST REPORT

FLUID SUMMARY

H&B Petroleum
 Po Box Petroleum Ellinw ood
 Kansas 67526
 ATTN: Josh Austin

Hagelgantz 34-1
34-17s-21w Ness
 Job Ticket: 16571 DST#: 1
 Test Start: 2011.08.23 @ 08:55:00

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: 71.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	muddy cut oil 40%oil 60% mud	0.842
30.00	oilly gasy mud 5%mud60%oil 35% gas	0.421
0.00	3086 foot gas in pipe	0.000

Total Length: 90.00 ft Total Volume: 1.263 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

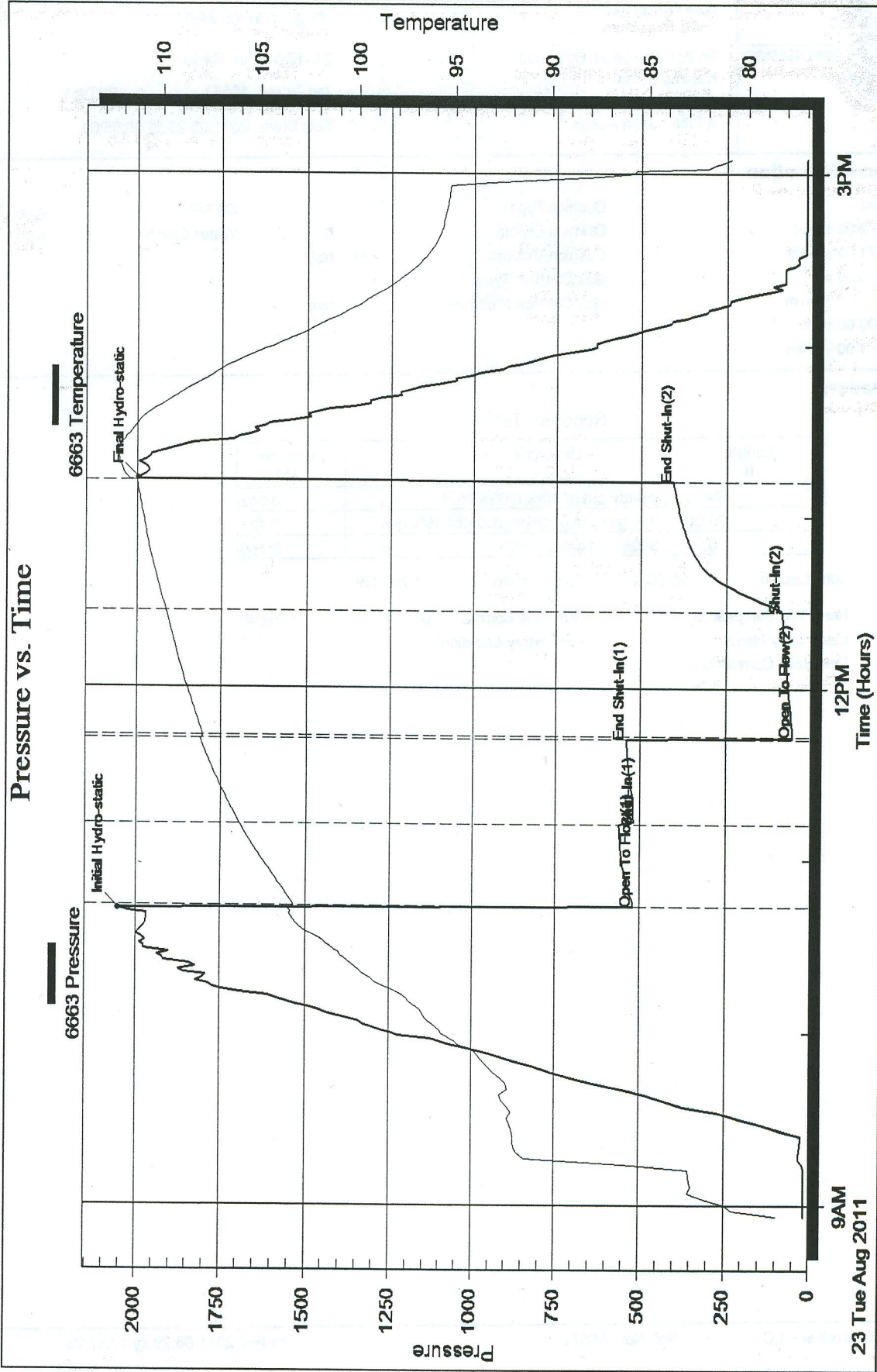
Serial #: 6663

Outside H&B Petroleum

34-17s-21w Ness

DST Test Number: 1

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 16571

Printed: 2011.08.29 @ 17:17:23

DST Test Number: 1

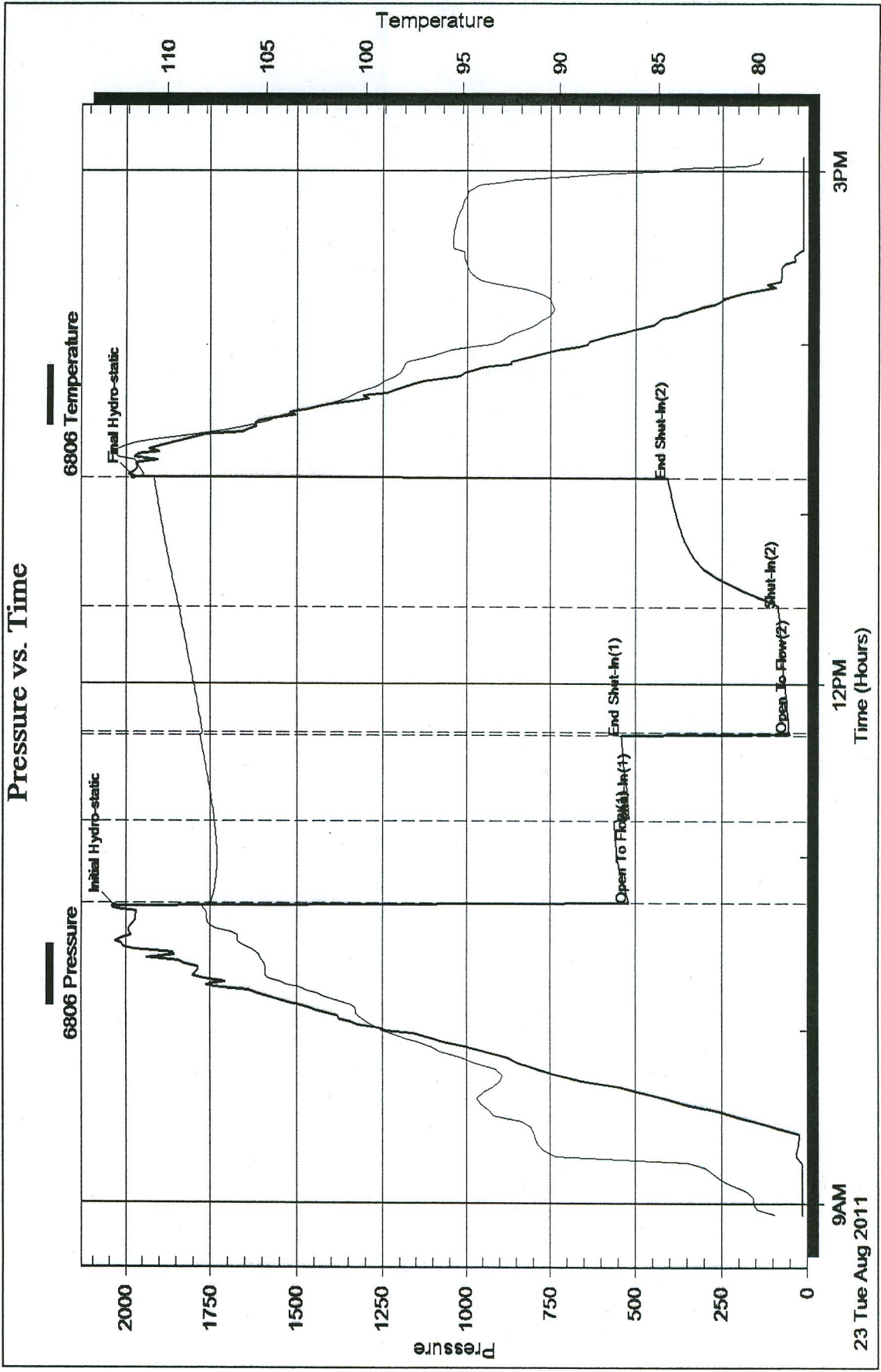
34-17s-21w Ness

H&B Petroleum

Inside

Serial #: 6806

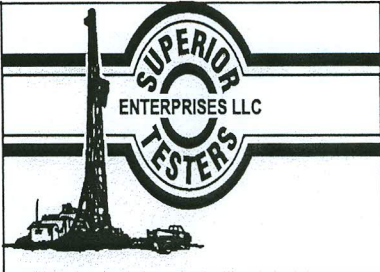
Pressure vs. Time



Printed: 2011.08.29 @ 17:17:23

Ref. No: 16571

Superior Testers Enterprises LLC



DRILL STEM TEST REPORT

H&B Petroleum
 Po Box Petroleum Ellinwood
 Kansas 67526
 ATTN: Josh Austin

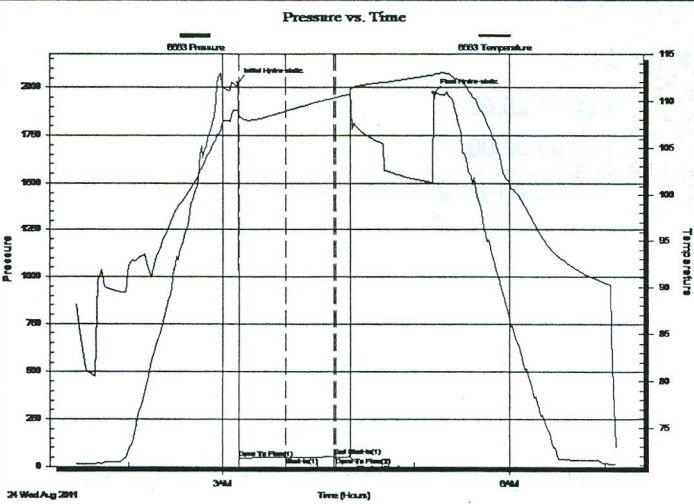
Hagelgantz 34-1
34-17s-21w Ness
 Job Ticket: 16572 DST#: 2
 Test Start: 2011.08.24 @ 01:25:00

GENERAL INFORMATION:

Formation: **Fort scott**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 03:08:00
 Tester: Dustin Ellis
 Time Test Ended: 00:00:00
 Unit No: 3315 GB-135
 Interval: 4110.00 ft (KB) To 4146.00 ft (KB) (TVD)
 Reference Elevations: 2153.00 ft (KB)
 Total Depth: 4146.00 ft (KB) (TVD)
 2144.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 9.00 ft

Serial #: 6663 **Outside**
 Press@RunDepth: 55.85 psia @ 4143.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.08.24 End Date: 2011.08.24 Last Calib.: 2011.08.24
 Start Time: 01:26:00 End Time: 07:08:00 Time On Btm: 2011.08.24 @ 03:09:30
 Time Off Btm: 2011.08.24 @ 05:12:00

TEST COMMENT: 1st open 30 minutes Weak blow then died off
 1st shut in 30 minutes No blow back
 2nd open 30 minutes Very weak blow that died off
 2nd shut in 30 minutes No blow back



PRESSURE SUMMARY

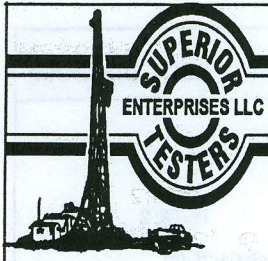
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2025.37	109.00	Initial Hydro-static
1	47.18	108.47	Open To Flow (1)
31	47.98	108.97	Shut-In(1)
61	55.85	110.38	End Shut-In(1)
62	48.72	110.41	Open To Flow (2)
71	51.79	110.77	Flushed Tool
123	1972.52	112.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	drilling mud	0.01

Gas Rates

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



DRILL STEM TEST REPORT

H&B Petroleum
 Po Box Petroleum Ellin ood
 Kansas 67526
 ATTN: Josh Austin

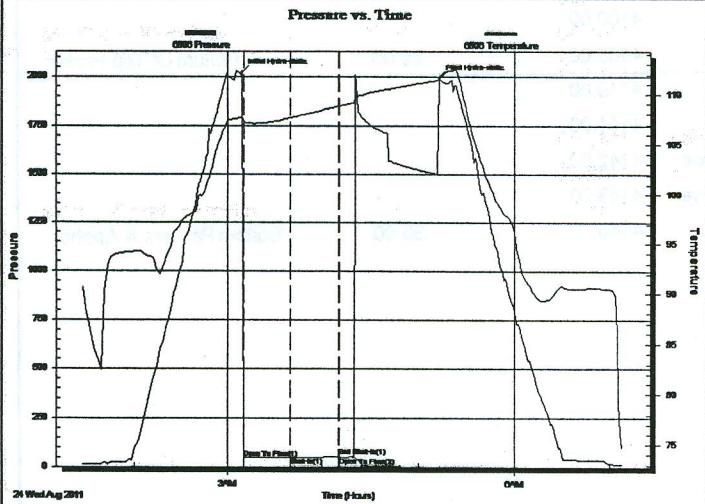
Hagelgantz 34-1
34-17s-21w Ness
 Job Ticket: 16572 DST#: 2
 Test Start: 2011.08.24 @ 01:25:00

GENERAL INFORMATION:

Formation: **Fort scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:08:00
 Time Test Ended: 00:00:00
 Interval: **4110.00 ft (KB) To 4146.00 ft (KB) (TVD)**
 Total Depth: **4146.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315 GB-135
 Reference Elevations: 2153.00 ft (KB)
 2144.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6806 Inside
 Press@RunDepth: 56.03 psia @ 4142.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.08.24 End Date: 2011.08.24 Last Calib.: 2011.08.24
 Start Time: 01:26:00 End Time: 07:08:30 Time On Btm: 2011.08.24 @ 03:09:30
 Time Off Btm: 2011.08.24 @ 05:13:00

TEST COMMENT: 1st open 30 minutes Weak blow then died off
 1st shut in 30 minutes No blow back
 2nd open 30 minutes Very weak blow that died off
 2nd shut in 30 minutes No blow back



PRESSURE SUMMARY

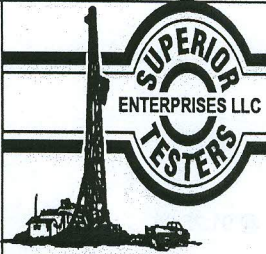
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2021.71	107.71	Initial Hydro-static
1	46.67	107.25	Open To Flow (1)
31	47.99	107.63	Shut-In(1)
61	56.03	108.79	End Shut-In(1)
62	48.55	108.81	Open To Flow (2)
71	52.84	109.15	Flushed tool
124	1991.35	111.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	drilling mud	0.01

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

H&B Petroleum
 Po Box Petroleum Ellinwood
 Kansas 67526
 ATTN: Josh Austin

Hagelgantz 34-1
 34-17s-21w Ness
 Job Ticket: 16572 DST#: 2
 Test Start: 2011.08.24 @ 01:25:00

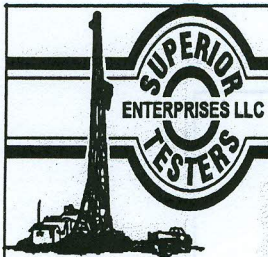
Tool Information

Drill Pipe:	Length: 4105.00 ft	Diameter: 3.80 inches	Volume: 57.58 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 57.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4110.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4087.00	
Hydraulic Tool	5.00			4092.00	
Jars	6.00			4098.00	
Safety Joint	2.00			4100.00	
Packer	5.00			4105.00	28.00 Bottom Of Top Packer
Packer	5.00			4110.00	
Perforations	31.00			4141.00	
Recorder	1.00	6806	Inside	4142.00	
Recorder	1.00	6663	Outside	4143.00	
Bull Plug	3.00			4146.00	36.00 Bottom Packers & Anchor
Total Tool Length:	64.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

H&B Petroleum
Po Box Petroleum Ellinwood
Kansas 67526
ATTN: Josh Austin

Hagelgantz 34-1
34-17s-21w Ness
Job Ticket: 16572 DST#: 2
Test Start: 2011.08.24 @ 01:25:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 71.00 sec/qt
Water Loss: 9.59 in³
Resistivity: ohm.m
Salinity: 6500.00 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
1.00	drilling mud	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6663

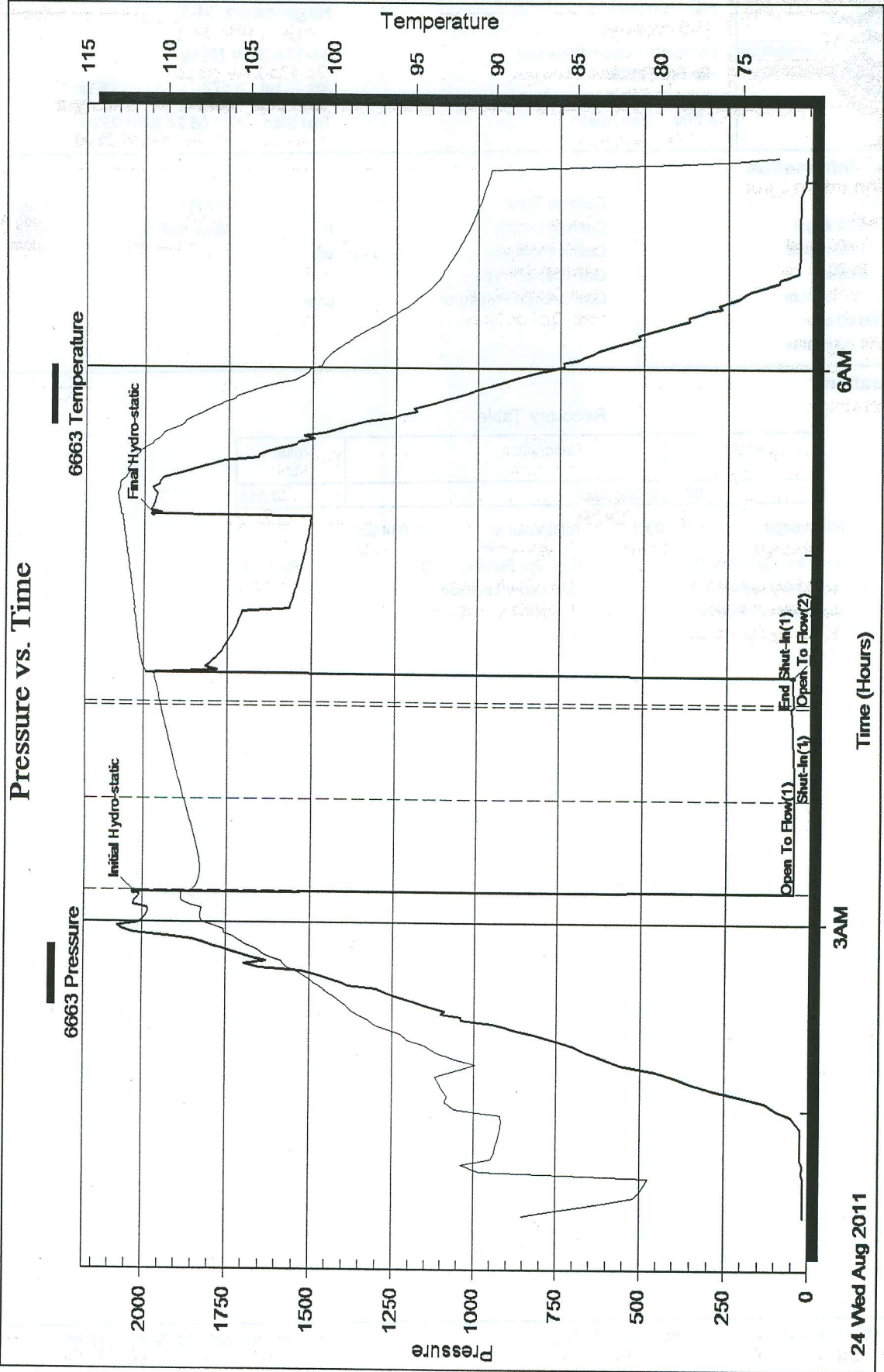
Outside

H&B Petroleum

34-17s-21w Ness

DST Test Number: 2

Pressure vs. Time



24 Wed Aug 2011

3AM

6AM

Time (Hours)

Superior Testers Enterprises LLC

Ref. No: 16572

Printed: 2011.08.29 @ 17:17:36

DST Test Number: 2

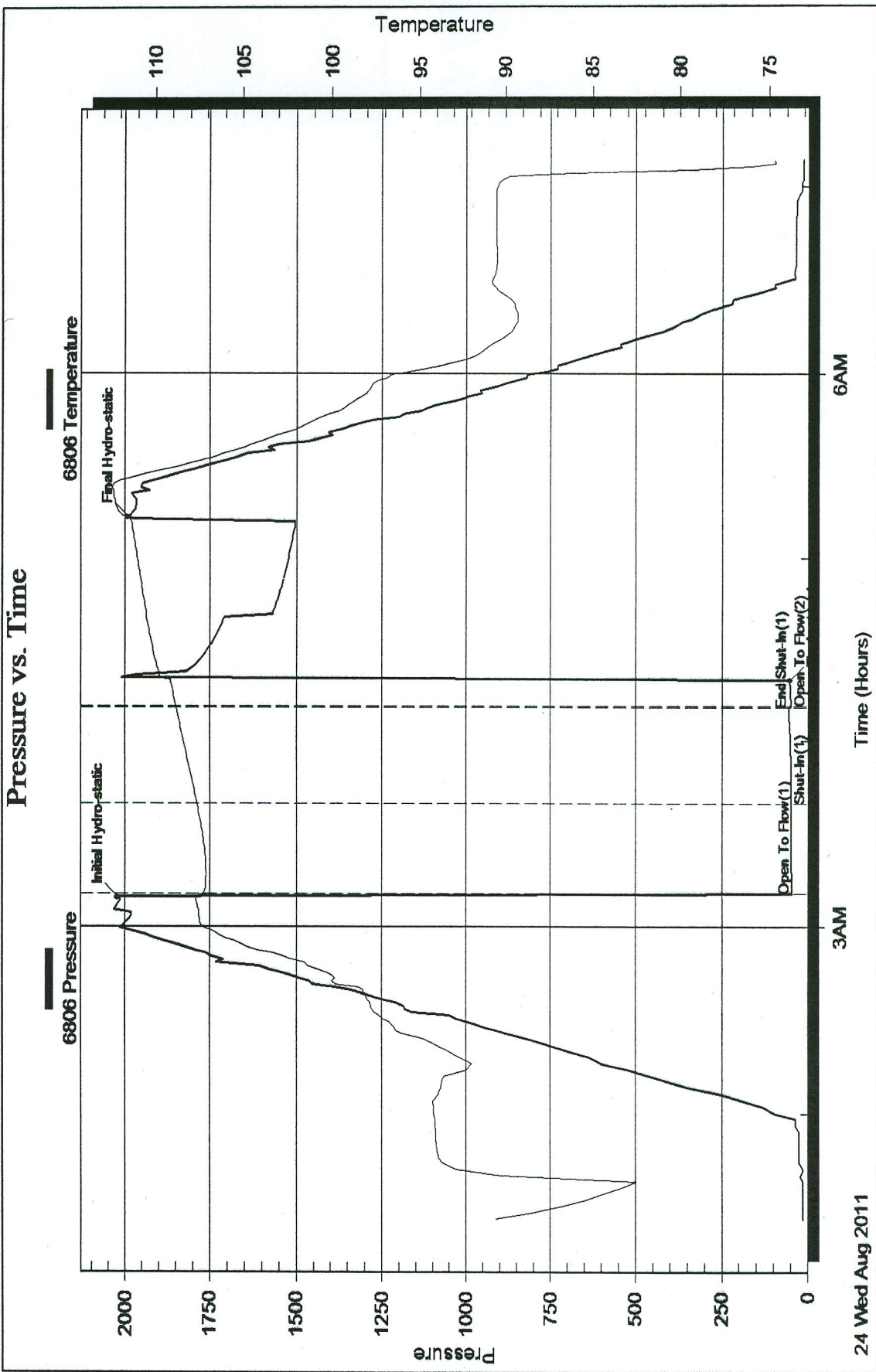
34-17s-21w Ness

H&B Petroleum

Inside

Serial #: 6806

Pressure vs. Time

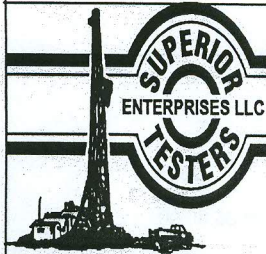


24 Wed Aug 2011

3AM

6AM

Time (Hours)



DRILL STEM TEST REPORT

TOOL DIAGRAM

H&B Petroleum
 Po Box Petroleum Ellinw ood
 Kansas 67526
 ATTN: Josh Austin

Hagelgantz 34-1
 34-17s-21w Ness
 Job Ticket: 16573 DST#: 3
 Test Start: 2011.08.24 @ 08:00:00

Tool Information

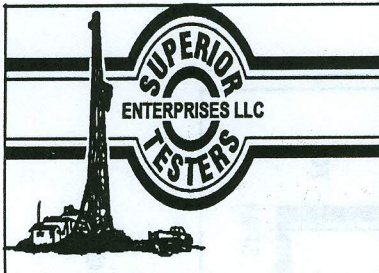
Drill Pipe:	Length: 4076.00 ft	Diameter: 3.80 inches	Volume: 57.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 57.18 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4080.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	94.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4057.00	
Hydraulic Tool	5.00			4062.00	
Jars	6.00			4068.00	
Safety Joint	2.00			4070.00	
Packer	5.00			4075.00	28.00 Bottom Of Top Packer
Packer	5.00			4080.00	
Perforations	0.00			4080.00	
Change Over Sub	0.75			4080.75	
Drill Pipe	32.00			4112.75	
Change Over Sub	0.75			4113.50	
Perforations	27.50			4141.00	
Recorder	1.00	6806	Inside	4142.00	
Recorder	1.00	6663	Outside	4143.00	
Bull Plug	3.00			4146.00	66.00 Bottom Packers & Anchor

Total Tool Length: 94.00



DRILL STEM TEST REPORT

FLUID SUMMARY

H&B Petroleum
 Po Box Petroleum Ellinwood
 Kansas 67526
 ATTN: Josh Austin

Hagelgantz 34-1
34-17s-21w Ness
 Job Ticket: 16573 DST#: 3
 Test Start: 2011.08.24 @ 08:00:00

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: 71.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in*	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Drilling Mud 100%	1.262

Total Length: 90.00 ft Total Volume: 1.262 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

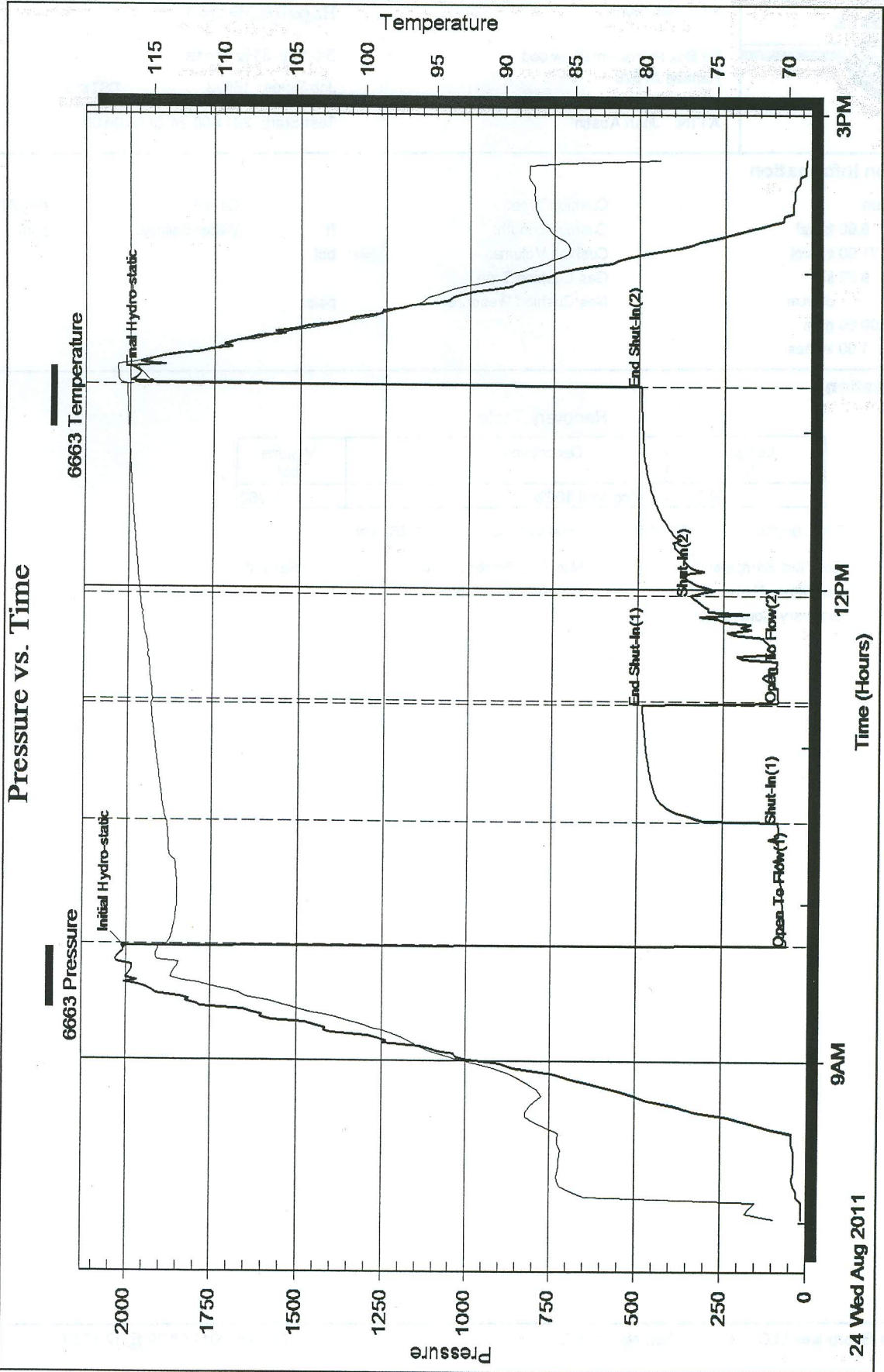
Serial #: 6663

Outside H&B Petroleum

34-17s-21w Ness

DST Test Number: 3

Pressure vs. Time



24 Wed Aug 2011

9AM

12PM

12PM

3PM

Serial #: 6806

Inside

H&B Petroleum

34-17s-21w Ness

DST Test Number: 3

Pressure vs. Time

