



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1053646

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: _____



1053646

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 ☐ Yes ☐ No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey ☐ Yes ☐ No Cores Taken ☐ Yes ☐ No Electric Log Run ☐ Yes ☐ No Electric Log Submitted Electronically ☐ Yes ☐ No <i>(If no, Submit Copy)</i> List All E. Logs Run:	☐ Log Formation (Top), Depth and Datum ☐ Sample Name Top Datum
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CASING RECORD ☐ New ☐ 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 <i>(Explain)</i> _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> ☐ Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Schugart 1-26
Doc ID	1053646

Tops

Name	Top	Datum
Anhydrite	1442	729
Heebner	3624	-1453
Lansing	3678	-1497
Pawnee	4080	-1909
Ft. Scott	4155	-1984
Cherokee	4176	-2005
Mississippian	4251	-2080
TD	4260	-2089



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
Box 399
Garden City Ks 67846
ATTN: Cecil O'Brate

Schugart # 1-26

26-18-22-Ness-Ks

Job Ticket: 039925

DST#: 1

Test Start: 2010.08.16 @ 12:25:06

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:29:21

Time Test Ended: 19:26:51

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 4253.00 ft (KB) To 4260.00 ft (KB) (TVD)

Total Depth: 4260.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2171.00 ft (KB)

2163.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8354 Inside

Press@RunDepth: 167.58 psig @ 4254.00 ft (KB)

Start Date: 2010.08.16

End Date:

2010.08.16

Start Time: 12:25:07

End Time:

19:26:51

Capacity: 8000.00 psig

Last Calib.: 2010.08.16

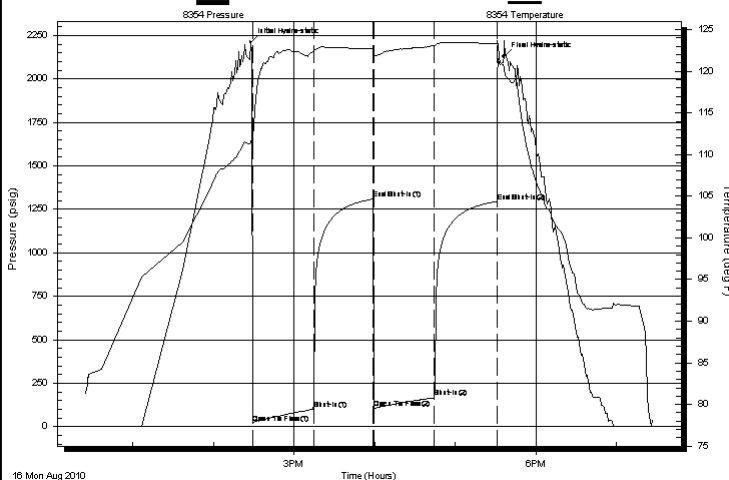
Time On Btm: 2010.08.16 @ 14:27:51

Time Off Btm: 2010.08.16 @ 17:36:06

TEST COMMENT: IF-Strong B-B in 30 min

FF-Strong B-B in 40 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.88	111.39	Initial Hydro-static
2	21.98	111.70	Open To Flow (1)
47	101.66	122.37	Shut-In(1)
91	1309.11	122.78	End Shut-In(1)
92	106.22	122.23	Open To Flow (2)
137	167.58	123.07	Shut-In(2)
183	1295.24	123.32	End Shut-In(2)
189	2128.61	120.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
350.00	Wtr	4.64
10.00	CO	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
Box 399
Garden City Ks 67846
ATTN: Cecil O'Brate

Schugart # 1-26
26-18-22-Ness-Ks
Job Ticket: 039925 **DST#: 1**
Test Start: 2010.08.16 @ 12:25:06

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 9.59 in³
Resistivity: ohm.m
Salinity: 4100.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: deg API
Water Salinity: ppm

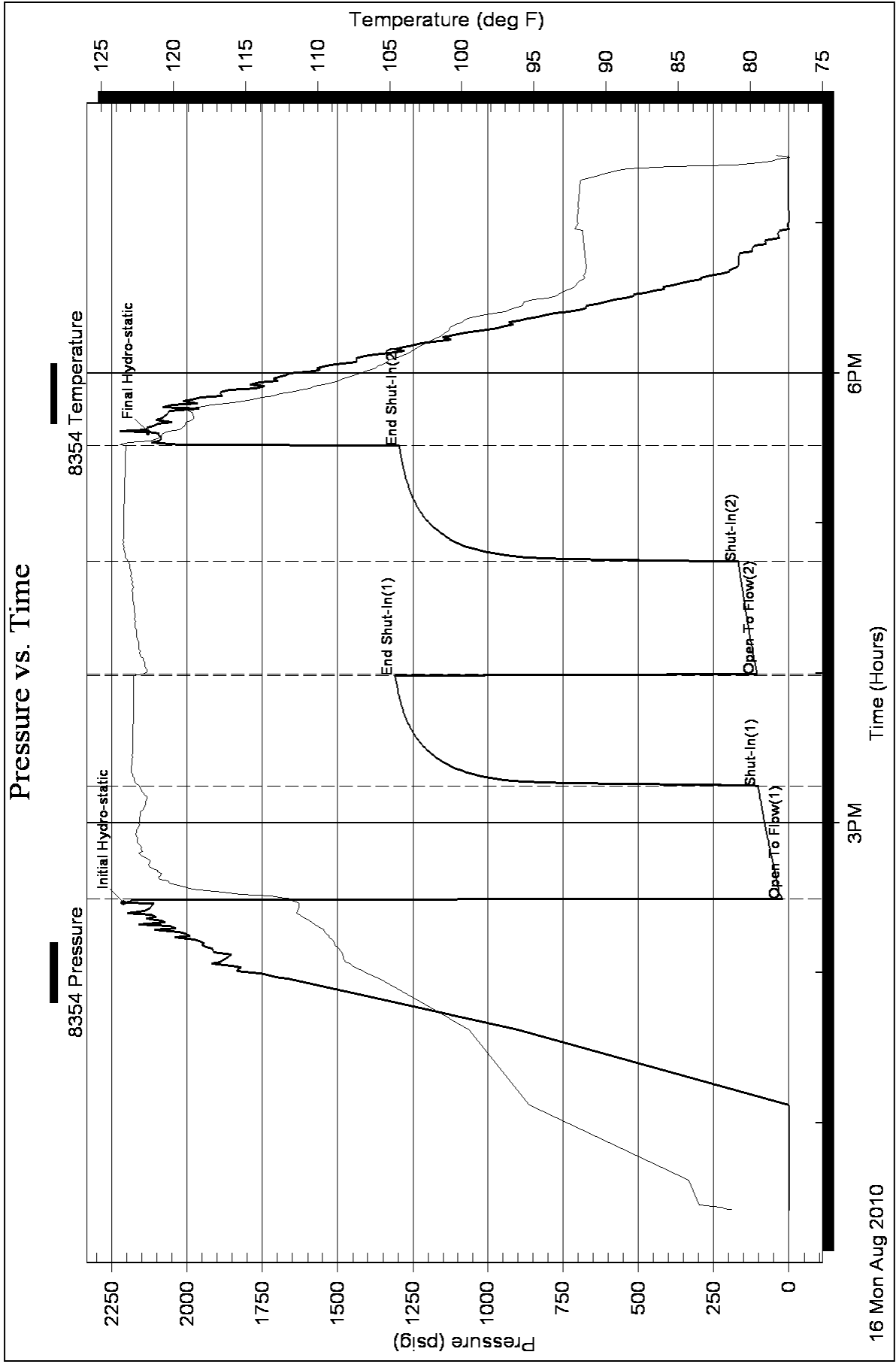
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
350.00	Wtr	4.636
10.00	CO	0.140

Total Length: 360.00 ft Total Volume: 4.776 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



Geological Report

American Warrior, Inc.

Schugart #1-26

2090' FNL & 1400' FWL

Sec. 26 T18s R22w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Shugart #1-26 2090' FNL & 1400' FWL Sec. 26 T18s R22w Ness County, Kansas API # 15-135-25118-0000
Drilling Contractor:	Discovery Drilling Co, Inc. Rig #3
Geologist:	Jason Alm
Spud Date:	August 10, 2010
Completion Date:	August 16, 2010
Elevation:	2163' Ground Level 2171' Kelly Bushing
Directions:	Bazine KS, 2 mi. West on Hwy 96, ½ mi. North, East into location.
Casing:	221' 8 5/8" surface casing
Samples:	10' wet and dry, 3600' to RTD
Drilling Time:	3500' to RTD
Electric Logs:	Log Tech, Inc. "Mike Garrison" CNL/CDL, DIL
Drillstem Tests:	One, Trilobite Testing, Inc. "Dan Bangle"
Problems:	None
Remarks:	None

Formation Tops

Formation

Anhydrite	1442', +729
Base	1475', +696
Heebner	3624', -1453
Lansing	3678', -1497
BKc	3992', -1821
Pawnee	4080', -1909
Fort Scott	4155', -1984
Cherokee	4176', -2005
Mississippian	4251', -2080
LTD	4260', -2089
RTD	4260', -2089

American Warrior, Inc.

Schugart #1-26

Sec. 26 T18s R22w

2090' FNL & 1400' FWL

Sample Zone Descriptions

Fort Scott

(4155', -1984): Not Tested

Ls – Fine to medium crystalline with pinpoint inter-crystalline porosity, light to fair oil stain in porosity, slight show of free oil when broken, bright yellow fluorescents, no odor, 22 units hotwire.

Mississippian Osage (4251', -2080): Covered in DST #1

Dolo – Δ – Fine sucrosic crystalline with fair vuggy porosity, heavy chert, slightly triptolitic, lightly weathered with poor to fair vuggy porosity, light oil stain in porosity, slight show of free oil, fair to good odor, fair to good yellow cut fluorescents, 37 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
“Dan Bangle”

DST #1

Mississippian Osage

Interval (4253' – 4260') Anchor Length 7'

IHP	– 2210 #	
IFP	– 45" – B.O.B. 30 min.	21-102 #
ISI	– 45" – Dead	1309 #
FFP	– 45" – B.O.B. 40 min.	106-168 #
FSI	– 45" – Dead	1295 #
FHP	– 2128 #	
BHT	– 123°F	

Recovery: 10' Clean Oil
350' Water

Structural Comparison

	American Warrior, Inc. Schugart #1-26 Sec. 26 T18s R22w 2090' FNL & 1400' FWL	Sohio Petroleum Co. Tittel #1 Sec. 26 T18s R22w C NW NE		American Warrior, Inc. Witthuhn Unit #1-26 Sec. 26 T18s R22w 2200' FSL & 40' FEL	
Formation					
Anhydrite	1442', +729	1437', +732	(-3)	1409', +743	(-14)
Base	1475', +696	NA	NA	1442', +710	(-14)
Heebner	3624', -1453	3628', -1459	(+6)	3602', -1450	(-3)
Lansing	3678', -1497	3673', -1504	(+7)	3648', -1496	(-1)
BKc	3992', -1821	NA	NA	3965', -1813	(-7)
Pawnee	4080', -1909	NA	NA	4054', -1902	(-7)
Fort Scott	4155', -1984	4154', -1985	(+1)	4129', -1977	(-7)
Cherokee	4176', -2005	4174', -2005	FL	4151', -1999	(-6)
Mississippian	4251', -2080	4254', -2085	(+5)	4220', -2068	(-12)

Summary

The location for the Schugart #1-26 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which recovered mostly water from the Mississippian Osage Formation. After all gathered data had examined the decision was made to plug and abandon the Schugart #1-26 well.

Respectfully Submitted,

Jason Alm
Hard Rock Consulting, Inc.

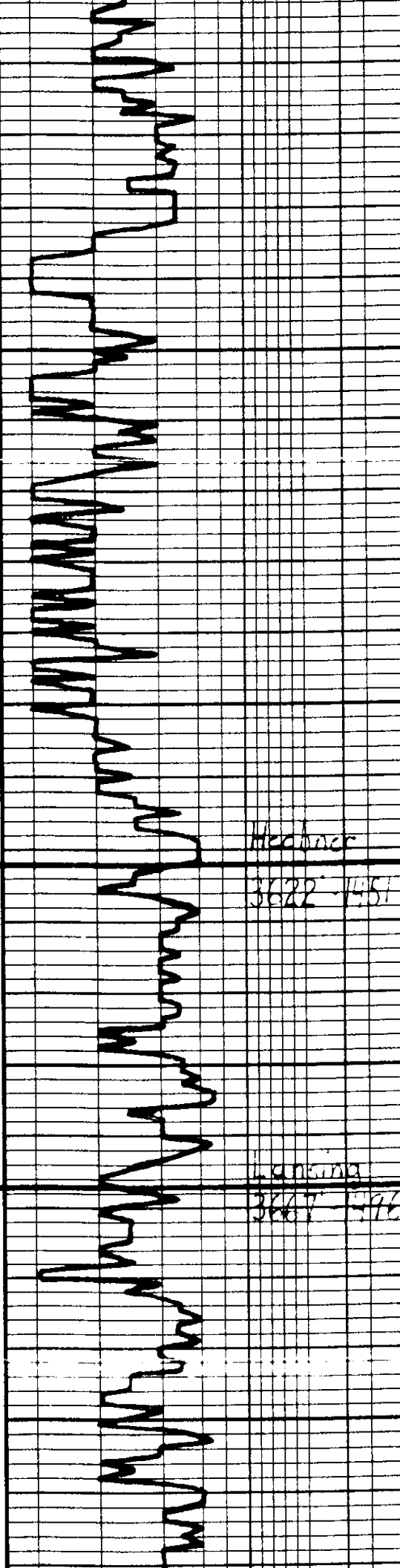
PI # 15-135-25118-C000

100

[illegible]

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10
20
30
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3550
60
70
80
90
3600
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30
40
3650
60
70
80
90
3700
10
20



Hedberg

3622 - 1451

Incinerator

3667 - 1496

Location location
6:10 p.m. 8-14 2010

Ls. Tan. clay, brown, fine
sh. shaly, Barren

Ls. etc. Mostly DNS

sh. Blk. carb.

Sh. grey sh.

Ls. Off-white to tan, fine gr.
Part. Part. calc. sh. Barren

Sh. grey, etc.

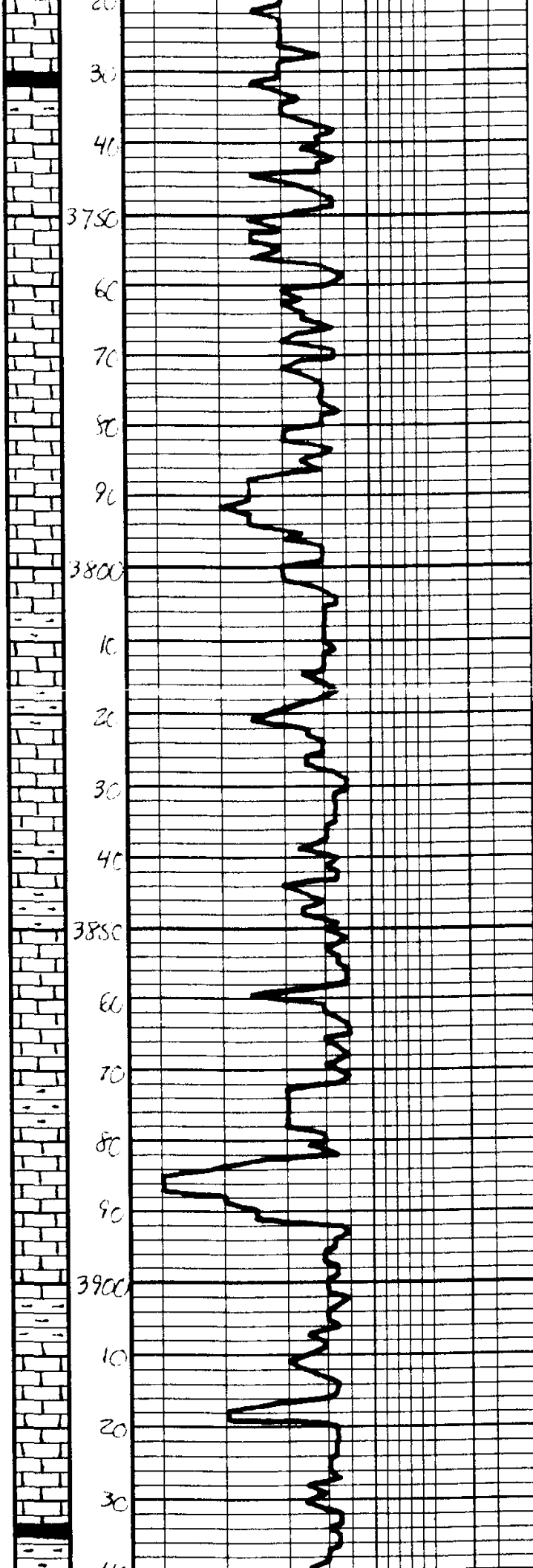
Sh. etc.

Ls. Off-white to tan, fine gr.
Part. Part. calc. sh. Barren

Sh. etc.

Ls. Tan. clay, brown, fine
sh. shaly, Barren

Ls. Tan. clay, brown, fine
sh. shaly, Barren



Ls. - light grey, Barren
 Sh. - Dark Grey

 Ls. - Tan. Lt. Grey, Fossiliferous
 with numerous small fossils

 Ls. - a/c

 Ls. - a/c

 Ls. - Tan. Lt. Grey, Fossiliferous
 with numerous small fossils
 Barren

 Sh. - Grey, Barren

 Sh. - a/c

 Ls. - Tan. Lt. Grey, Fossiliferous
 with numerous small fossils

 Sh. - Dark Grey

 Sh. - Grey, Barren

 Ls. - Tan. Grey, Fossiliferous, DMS

 Ls. - a/c

 Sh. - Grey, Barren

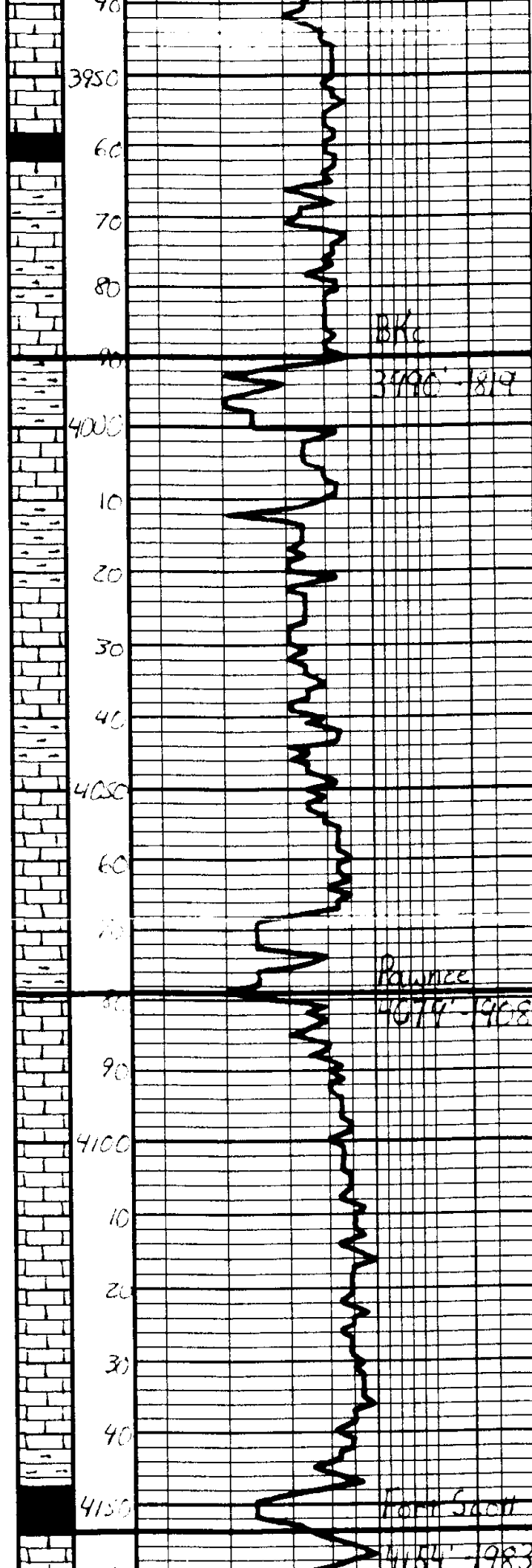
 Sh. - light grey, Fossiliferous
 with numerous small fossils
 Barren

 Sh. - Grey, Barren

 Ls. - Tan. Lt. Grey, Fossiliferous
 with numerous small fossils
 Barren

 Ls. - a/c, LMS

 Sh. - Dark Grey



Sh. Tan. Clay. Subaren. DMS

Sh. Tan. Clay. Subaren. DMS

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Sh. Tan. Clay. Subaren. DMS



TICKET
18786

PAGE 1 OF 1

1.	Service Location:	Well/Project No.	Lease	County/Parish	State	City	Date	Owner
2.								
3.								
4.								
5.	Referral Location	Invoice Instructions						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF		QTY.	UM	QTY.	UM		
575					MILEAGE TRK 114	20	mi		5.00	100.00	
576S					Pump Charge - Skidder Surface	1.00			750.00	750.00	
325					Standard Count			150	sls	12.00	1800.00
279					Benton to get			3	sls	25.00	75.00
278					Calcium Chloride			41	sls	35.00	1400.00
290					D-41R			2	gal	35.00	70.00
581					Service Charge	150	sls		1.50	225.00	
582					Minimum Charge	1.00			250.00	250.00	

**MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO
START OF WORK OR DELIVERY OF GOODS**

785-798-2300

DATE SIGNED	TIME SIGNED	☐ A.M. ☒ P.M.
-------------	-------------	---

SURVEY		AGREE	UN- DECIDED	DIS- AGREE				
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?								
WE UNDERSTOOD AND MET YOUR NEEDS?								
OUR SERVICE WAS PERFORMED WITHOUT DELAY?								
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?								
ARE YOU SATISFIED WITH OUR SERVICE?								
☐ YES ☐ NO								
TOTAL								

☐ CUSTOMER DID NOT WISH TO RESPOND.

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on the ticket

SWIFT OPERATOR

APPROVAL

10

THANK YOU

CUSTOMER

DATE	11/11/10	PAGE NO.	10
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DATE	11/11/10	PAGE NO.	10
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CUSTOMER

WELL NO.

7-26

LEASE

Schweiz

JOB TYPE

JOB TYPE
concrete surface pipe

TICKET IN

NO 19786

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								150 SKS STD 2% gel 3% CC
								88 23" p.p.e
								2151 gal + 10 barrel joint
	1600							cement on location
	1725							TD
	1820							hook up - sand circulation
	1825		5					5 bbl H ₂ O
	1828	4				200	200	start cement 147'
	1840		40					stop cement with pump start displacement - 12 3/4 bbl cement to pit
	1845	4	12 3/4			200	200	shut down 45 sacks to pit
	1850							shut valve - balance pressure hook up / wash up
	1915							job complete
								Thanks John. Joe. Brian + Dave

Federal Tax I.D.# 20-5975804

SERVICE POINT:

DISCOUNT _____ IF PAID IN 30 DAYS