



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: _____



1098994

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	Hembree, Robert F
Well Name	Petersilie 3
Doc ID	1098994

All Electric Logs Run

Microresisitvity Log
Dual Induction Log
Dual Compensated Porosity Log
Sonic Cement Bond Log
Geologist Log and Report

Form	ACO1 - Well Completion
Operator	Hembree, Robert F
Well Name	Petersilie 3
Doc ID	1098994

Tops

Name	Top	Datum
Anhydrite	1570	+760
Heebner	3752	-1422
Toronto	3769	-1439
Lansing	3799	-1469
B/KC	4118	-1788
Marmaton	4155	-1825
Pawnee	4230	-1900
Ft. Scott	4306	-1976
Cherokee	4327	-1997
Miss. Dol.	4414	-2084
LTD	4422	-2092
RTD	4424	-2094



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
10/2/2012	23420

BILL TO
Robert F. Hembree PO Box 542 Ness City, KS 67560-0542

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3	Petersilie	Ness	Pickrell Drilling R.	Oil	Development	5-1/2" LongString	Jason

PRICE REF	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	15	Miles	6.00	90.00
578D-I	Pump Charge - Long String - 4422 Feet	1	Job	1,500.00	1,500.00
402-5	5 1/2" Centralizer	5	Each	70.00	350.00
403-5	5 1/2" Cement Basket	1	Each	250.00	250.00
404-5	5 1/2" Port Collar - 1600 Feet	1	Each	2,400.00	2,400.00
405-5	5 1/2" Formation Packer Shoe	1	Each	1,400.00	1,400.00
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	250.00	250.00
281	Mud Flush	500	Gallon(s)	1.25	625.00
221	Liquid KCl (Clayfix)	2	Gallon(s)	25.00	50.00
276	Floccle	44	Lb(s)	2.00	88.00
283	Salt	900	Lb(s)	0.20	180.00
284	Calseal	8	Sack(s)	35.00	280.00
285	CFR-1	100	Lb(s)	4.00	400.00
290	D-Air	2	Gallon(s)	35.00	70.00
325	Standard Cement	175	Sacks	13.50	2,362.50
581D	Service Charge Cement	175	Sacks	2.00	350.00
582D	Minimum Drayage Charge	1	Each	250.00	250.00
	Subtotal				10,895.50
	Sales Tax Ness County			6.30%	548.45

We Appreciate Your Business!	Total	\$11,443.95
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10-5-12



Services, Inc.

CHANGE TO: ROBERT F. HEMBREE
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET No 23420

PAGE 1 OF 2

SERVICE LOCATIONS: 1. Ness City, KS

WELL/PROJECT NO: PETERSVILLE #3

LEASE CONTRACTOR: PICKRELL DRILLING Rig #10

TICKET TYPE: SERVICE SALES

WELL TYPE: DEVELOPMENT

WELL CATEGORY: DEVELOPMENT

RIG NAME: NESS

JOB PURPOSE: S&H SUBSTRING

STATE: KS

CITY: Ness City, KS

DATE: 2 Oct 12

WELL PERMIT NO: 951W/1W INTO

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE #	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					MILEAGE # 11D	15	MI				60.00	900.00
578					PUMP CHARGE	1500		4420 FT.			1500.00	1500.00
4D2					NEUTRALIZERS	5	EA				70.00	350.00
4D3					CEMENT BASKET	1	EA				250.00	250.00
4D4					PORT DOLLAR	1	EA	1600	FT		240.00	240.00
4D5					FORMATION PACKER SHOE	1	EA				1400.00	1400.00
4D6					LATCHDOWN PLUG & BARGE	1	EA				250.00	250.00
231					MUD FLUSH	500	BA				1.25	625.00
221					LUBRICANT	2	BA				25.00	50.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

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

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

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

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	1	6915.50
TOTAL	11,443.45	

DATE SIGNED: 2 Oct 12

TIME SIGNED: 1:45 PM

SWIFT OPERATOR: [Signature]

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

APPROVAL: [Signature]

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 23481D

CUSTOMER: ROBERT F. HEMBRER

WEST PETERSVILLE #3

DATE: 2 OCT 12 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	QTY.				UNIT PRICE	AMOUNT
		LOC	ACCT			QTY.	UM	QTY.	UM		
276					FLUXE	44	lbs			2.25	88.10
283					SALT	900	lbs			2.00	180.00
284					W/SEAL	8	15x			35.00	280.00
285					AIR-1	100	lbs			4.00	400.00
290					D-AIR	2	gal			35.00	70.00
325					STANDARD CEMENT EA 2	175	SX			1.35	236.25
331					SERVICE CHARGE					2.00	350.00
332					MILEAGE CHARGE					2.50	250.00
TOTAL						131					3980.50

CONTINUATION TOTAL 3980.50

JOB LOG

SWIFT Services, Inc.

DATE 2 Oct 12 PAGE NO.

CUSTOMER ROBERT F. HEMBREE

WELL NO.

LEASE PETERSILIE #3

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 23420

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							ON LOCATION
	1400							START PIPE 5 1/2-15.5" RTD @ 4424 LTDR 4422 SHOE JT 4209 SET 8' OFF BOTTOM CENTRALIZERS 2, 4, 6, 10, 16, 23 BASKET 167 PORT COLLAR TOP OF # 167 @ 1600
	1553				✓		1000	SET PACKER SHOE - CIRCULATE
	1633	6	12		✓		300	Pump 500 GAL MUD FLUSH
		6	20		✓		300	Pump 20 BBL KCL FLUSH
	1644		7					PLUG RH (30 sx)
	1646	6	35		✓			MIX 145's x EA2
	1656							WASH OUT PUMP & LINES
	1658	6			✓			START DISPLACING PLUG
	1714	Ø	104		✓		1500	PLUG DOWN PSI UP - LATCH PLUG IN
	1716							WASH TRUCK
	1745							JOB COMPLETE THANKS #110 TASON! JEFF JOHN!



P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300



Invoice

DATE	INVOICE #
10/11/2012	23200

BILL TO
Robert F. Hembree PO Box 542 Ness City, KS 67560-0542

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3	Petersilie	Ness	112 Plains, LLC	Oil	Development	Cement Port Collar	Wayte
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				15	Miles	6.00	90.00
576D-D	Pump Charge - Port Collar				1	Job	1,250.00	1,250.00
105	Port Collar Tool Rental With Man				1	Each	350.00	350.00T
330	Swift Multi-Density Standard (MIDCON II)				175	Sacks	16.50	2,887.50T
276	Flocele				50	Lb(s)	2.00	100.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
581D	Service Charge Cement				175	Sacks	2.00	350.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							5,347.50
	Sales Tax Ness County						6.30%	214.67
We Appreciate Your Business!							Total	\$5,562.17



CHARGE TO: ROBERT F. HEMBLEE
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET NO: 23200
 PAGE 1 OF 1

SERVICE LOCATIONS: Ness City, Ks
 WELPROJECT NO: H 3
 LEASE: PETERSIZE
 COUNTY/PARISH: Ness
 STATE: Ks
 CITY: _____
 DATE: 10-11-12
 OWNER: SAWE

TICKET TYPE: SERVICE SALES
 CONTRACTOR: H2 RENTS
 RIG NAME/NO: _____
 ORDER NO: _____

WELL TYPE: Oil
 WELL CATEGORY: Development
 JOB PURPOSE: Center Port Casing
 DELIVERED TO: Location
 WELL PERMIT NO: _____
 WELL LOCATION: Ness City, Ks 9610 W 142nd

INVOICE INSTRUCTIONS: _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOG ACCT	ACCT	DF							
575					MILEAGE # 112	1	mi			6.00	6.00
576b					Pump Cables	1	pcs			1250.00	1250.00
105					Port Casing Open End Tool	1	pcs			350.00	350.00
330					Surf Mount - Drucker Standard	1	sets			1650	2881.50
276					Toolbit	5	bits			2.00	100.00
290					D-Air	2	bars			35.00	70.00
581					Service Casing Cover	1	sets			2.00	350.00
582					Medium Distance Casing	17	390 lbs	130	93 ft	2.50	425.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to: **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

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

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO

WE UNDERSTOOD AND MET YOUR NEEDS? YES NO

YOUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 5347.50
 TAX: 214.67
 TOTAL: 5562.17

DATE SIGNED: 10-11-12 TIME SIGNED: 0800 A.M. P.M.

SWIFT OPERATOR: David Wilson APPROVAL: Robert F. Hemblee

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

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10-11-12 PAGE NO. 7

CUSTOMER ROBERT F. HEMBREE WELL NO. #3 LEASE PETERSVILLE JOB TYPE CEMENT PORT CURE TICKET NO. 23200

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GALL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				I	C	TUBING	CASING	
	0800							ON LOCATION
								2 3/8 x 5 1/2 PORT CURE = 1607'
	0950				✓		1000	PSI TEST CASING - HEAD
	0955	3	2	✓		400		OPEN PORT CURE - TEST RATE
	1000	3 1/4	97	✓		400		MIX CEMENT 17.5 SKS SMD @ 11.2 PPG
	1030	3 1/4	5 1/2	✓		550		DISPLACE CEMENT
	1040			✓		1000		CLOSE PORT CURE - PSI TEST HEAD
								CALCULATED 15 SKS CEMENT TO PORT
	1050	4	20	✓		500		RUN 5 JTS - CALCULATE CLEAN
								WASH TRUCK
	1130							JOB COMPLETE

THANK YOU
WAYNE, JOSH B., JON, ROB



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 132821
Invoice Date: Sep 22, 2012
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361



Bill To:
Robert F. Hembree
P O Box 542
Ness City, KS 67560

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Hem	Peter Sillie #3	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Sep 22, 2012	10/22/12

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	17.90	2,685.00
3.00	MAT	Gel	23.40	70.20
5.00	MAT	Chloride	64.00	320.00
162.00	SER	Cubic Feet	2.48	401.76
103.60	SER	Ton Mileage	2.60	269.36
1.00	SER	Surface	1,512.25	1,512.25
14.00	SER	Pump Truck Mileage	7.70	107.80
14.00	SER	Light Vehicle Mileage	4.40	61.60
1.00	CEMENTER	Charles Elkins		
1.00	EQUIP OPER	Kevin Eddy		
1.00	OPER ASSIST	Alan Genereux		

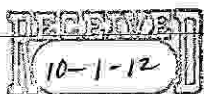
Subtotal	5,427.97
Sales Tax	193.74
Total Invoice Amount	5,621.71
Payment/Credit Applied	
TOTAL	5,621.71

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1356.99

ONLY IF PAID ON OR BEFORE
Oct 17, 2012

- 1,356.99
4,264.72



ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. # 20-5975604

REMIY TO P.O. BOX 93900
SOUTH PLAKE TEXAS 76092

SERVICE POINT

Calcutt Road

DATE <u>1-22-12</u>	SEC <u>17</u>	TWR <u>200</u>	RANGE <u>29W</u>	CALLED OUT <u>9:30 AM</u>	ON-LOCATION <u>12:45 PM</u>	JOB START <u>1:00 PM</u>	JOB FINISH <u>8:15 AM</u>
LEASER <u>Ac Site</u>	WELL # <u>3</u>	LOCATION <u>28 W 29 S 8 E 1/4 Sec 17 T20N R29E M40 Town West</u>			COUNTY <u>WESS</u>	STATE <u>TX</u>	
OLD OR NEW (Circle one)		28 W 29 S 8 E 1/4 Sec 17 T20N R29E M40 Town West					

CONTRACTOR Pickrell Co
 TYPE OF JOB Slur Pump Cementing
 HOLE SIZE 12 1/4" TD
 CASING SIZE 8 3/4" 24" DEPTH 208 4/8"
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOULDER JOINT 20 FT
 CEMENT LEFT IN CSU 2.0 FT
 PERFS.
 DISPLACEMENT 12.5 bbls Fresh Water

OWNER Robert Hendree
 CEMENT AMOUNT ORDERED 15 cu class 40' 7 3/8 Co-1 + 2 3/8 Gel

EQUIPMENT
 PUMP TRUCK CEMENTER Shawley 1500
 # 366 HELPER Kurt Folly
 BULK TRUCK
 # 373 DRIVER Alan Gooden
 BULK TRUCK
 # DRIVER

COMMON	<u>150</u>	@ <u>17.90</u>	<u>2,685.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@ <u>64.00</u>	<u>320.00</u>
ASC		@	
HANDLING	<u>16.2</u>	@ <u>2.48</u>	<u>401.76</u>
MILEAGE	<u>7.7 X 1.94</u>	@ <u>2.60</u>	<u>269.38</u>
			TOTAL <u>3,746.32</u>

REMARKS:
Pump 5 bbls Fresh Water
Pump 30 bbls Cement
Displace with 12.5 bbls Fresh Water
26 FT of Cement 10 FT in casing

SERVICE
 DEPTH OF JOB 208
 PUMP TRUCK CHARGE 1572.35
 EXTRA FOOTAGE @
 MILEAGE 14.00 @ 7.70 107.80
 MANHOLE 14.00 @ 4.40 61.60

CHARGE TO: Robert Hendree
 STREET
 CITY STATE ZIP

TOTAL 1,681.65

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.

PLUG & FLOAT EQUIPMENT
 @
 @
 @
 @
 @
 TOTAL

PRINTED NAME Toby Leach
 SIGNATURE Toby Leach

SALES TAX (If Any) 1.23
 TOTAL CHARGES 5,427.97
 DISCOUNT 1,356.28 IF PAID IN 30 DAYS
4,070.92

OPERATOR

Company: Hembree, Robert F.
 Address: PO Box 542
 Ness City, KS

Contact Geologist: Fred Hembree
 Contact Phone Nbr: 620-802-7960
 Well Name: Petersilie #3
 Location: 8 5/8" @ 217'
 Pool:
 State: Kansas

API: 15-135-25461-00-00
 Field: Petersilie Northeast
 Country: USA



Musgrove

**PETROLEUM
 CORPORATION**
 Claflin, Kansas

Scale 1:240 Imperial

Well Name: Petersilie #3
 Surface Location: 8 5/8" @ 217'
 Bottom Location:
 API: 15-135-25461-00-00
 License Number:
 Spud Date: 9/21/2012 Time: 9:00 AM
 Region: Ness
 Drilling Completed: 10/1/2012 Time: 5:00 PM
 Surface Coordinates: 1628' FSL & 330' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 2323.00ft
 K.B. Elevation: 2330.00ft
 Logged Interval: 3700.00ft To: 4450.00ft
 Total Depth: 4424.00ft
 Formation: Mississippian
 Drilling Fluid Type: Chemical/Fresh Water Gel

LOGGED BY

Company: Musgrove Petroleum
 Address: 212 Main Street
 Claflin, KS 67525

Phone Nbr: 620-450-7087
 Logged By: Geologist

Name: Kurt Talbott

CONTRACTOR

Contractor: Pickrell Drilling
 Rig #: 10
 Rig Type: mud rotary
 Spud Date: 9/21/2012
 TD Date: 10/1/2012
 Rig Release:

Time: 9:00 AM
 Time: 5:00 PM
 Time:


ELEVATIONS

K.B. Elevation: 2330.00ft
 K.B. to Ground: 7.00ft

Ground Elevation: 2323.00ft

ROCK TYPES

 Cht vari
 Dolprim

 Lmst fw<7
 shale, grn

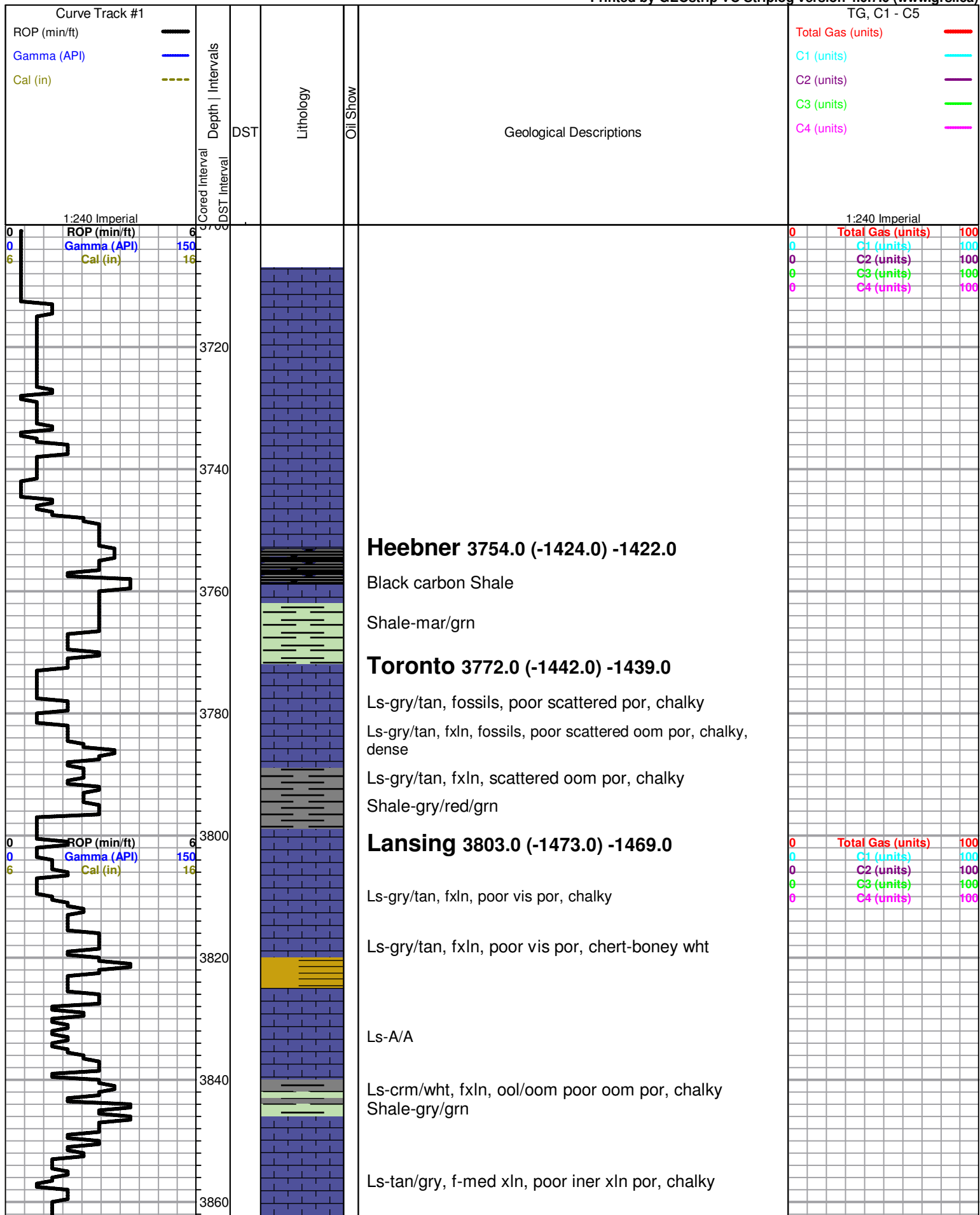
 shale, gry
 Carbon Sh

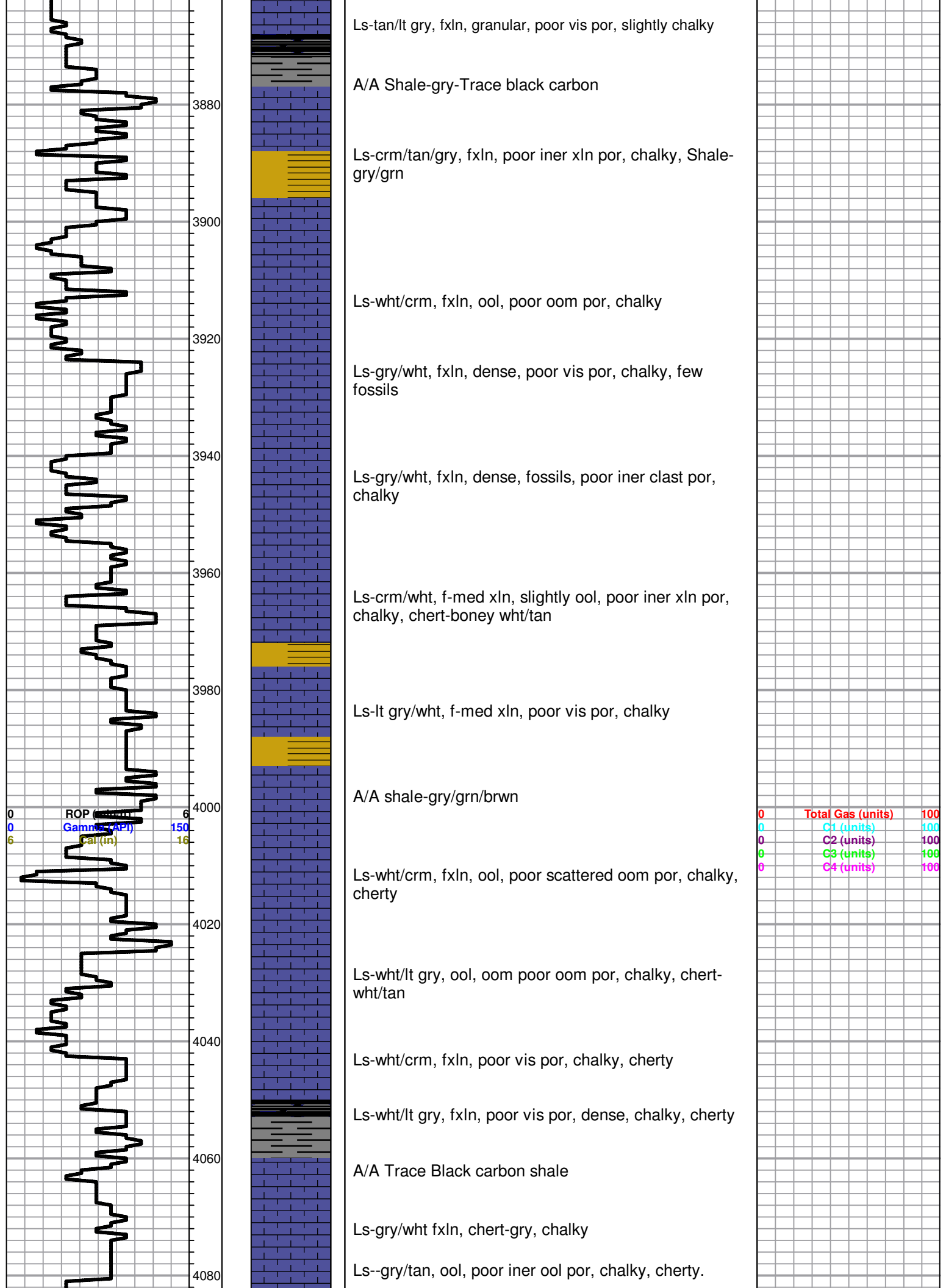
 Shcol

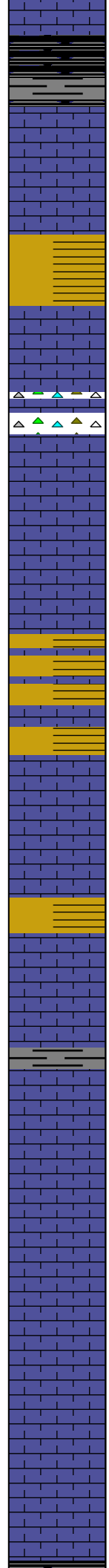
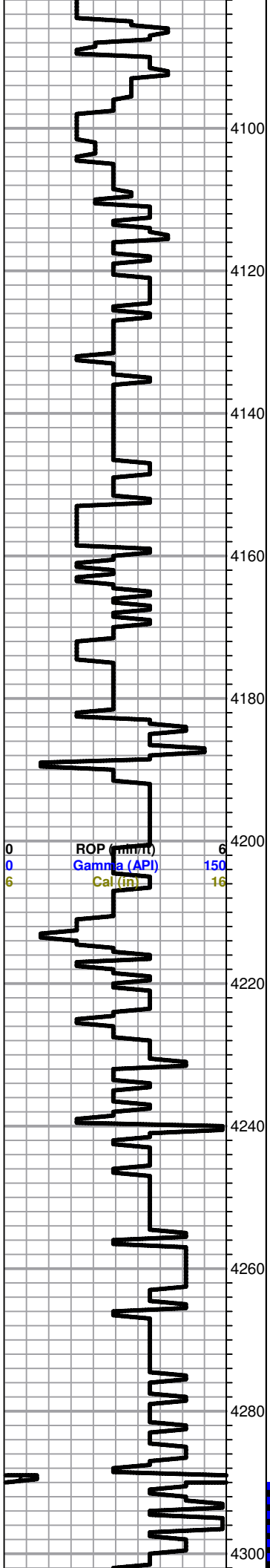
OTHER SYMBOLS

DST
■ DST Int
■ DST alt

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)







Shale-gry/blk

Ls-gry, fxln, oo, dense, poor vis por,

A/A Shale- gry/grn

Base KC 4122.0 (-1792.0) -1788.0

A/A Shale-gry/grn

Ls-crm/lt gry, fxln, dense, cherty, chalky

Ls- A/A
Shale-gry/grn/mar

Marmaton 4151.0 (-1821.0) -1825.0

Ls-crm/tan/lt gry, fxln, poor vis por, slightly chery, chalky

Ls-A/A, Shale-gry/grn

Altamont 4185.0 (-1855.0) -1855.0

Ls-gry/wht, fxln, chalky, poor vis por, Shale- Gry/grn abundant

Ls-lt gry/wht fxln, poor vis por, chalky,

Ls-wht/gry, fxln, granular, poor vis por, chalky

Pawnee 4232.0 (-1902.0) -1900.0

Ls-tan/crm, fxln, poor vis por, slighly granular, chalky

Ls-gry/wht, fxln, poor vis por, chalky

Ls-gry/dense, cherty, poor vis por

Ls-gry/buff, fxln, poor vis por, dense, cherty

A/A

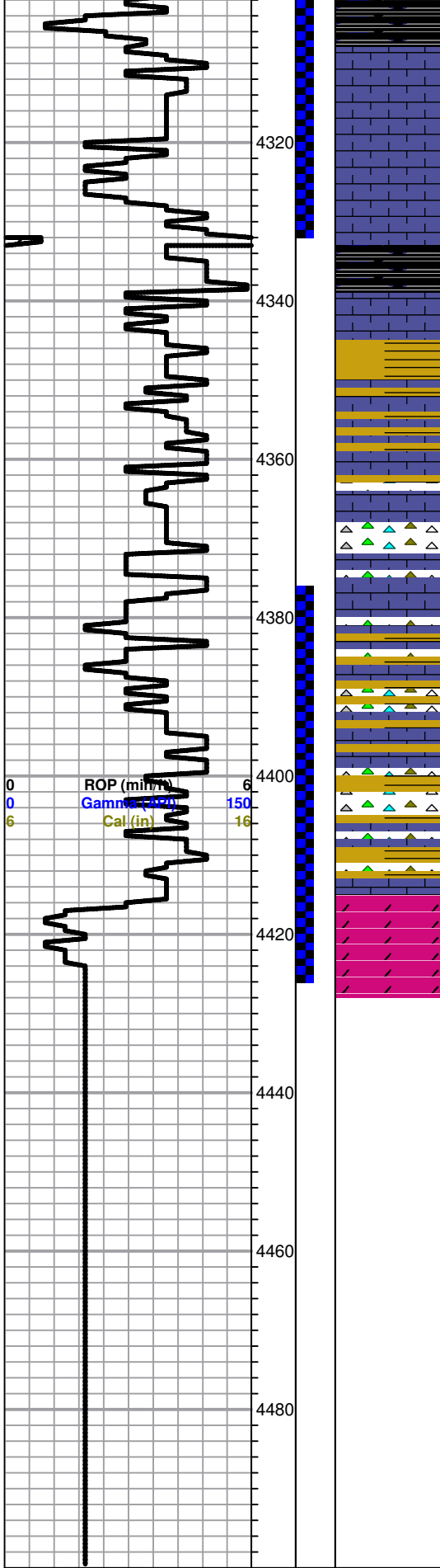
Black carbon Shale

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

**DST #1 4290-4330
30-45-45-45**

IF: 4 1/2" blow
ISI: No return

Recovery:
150' Gas In Pipe
90' WCM w/show of oil



Ft. Scott 4307.0 (-1977.0) -1976.0

Ls-tan/lt gry, fxln, fair iner xln por, scattered fair vug por, brown stains, Tr-Fair SFO, faint odor

Cherokee Shale 4332.0 (-2002.0) -1998.0

Black Carbon Shale

Ls-wht/lt gry, fxln, dense, poor vis por, Shale-gry/grn/mar abundant

A/A Shale-black/gry/mar

A/A Cherty-

Ls-tan/gry/crm, fxln, dense poor vis por, cherty

A/A, shale-gry/red/mar

A/A

Mississippian 4414.0 (-2084.0) 0.0

Dol-crm/tan, f-med rhomb xln, fair-good iner xln por, with scattered good vug por, golden brwn stains to slightly saturated, Good SFO, fair odor

on top
(40%water 60%mud)

Pressures:

ISIP 665 psi
 FSIP Not Valid
 IFP 31-38 psi
 FFP 49-55 psi
 HSH 2133-2099 psi

**DST #2 4374-4424
30-45-45-60**

IF: BOB 7 minutes
 ISI: 1 1/2" Return
 FF BOB in 1 1/2 min
 FSI: Surface Return

Recovery:

713' Clean Gassy Oil
 (20%gas 80% oil)
 120' SMCGO
 (25%gas65%oil10%mud)
 60' GOCM
 (30%gas10%oil60%mud)

Pressures:

ISIP 1234 psi
 FSIP 1221 psi
 IFP 79-195 psi
 FFP 209-364 psi
 HSH 2182-2125 psi



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hembree, Robert F.
 p.o.box 542
 Ness City, Ks
 67560-0542
 ATTN:

12-20s-24w Ness,Ks

Petersilie #3

Job Ticket: 50159

DST#: 1

Test Start: 2012.09.30 @ 13:25:24

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 15:46:09

Time Test Ended: 21:10:24

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

Interval: 4290.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 2330.00 ft (KB)

Total Depth: 4330.00 ft (KB) (TVD)

2323.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8368

Inside

Press @ Run Depth: 55.46 psig @ 4291.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.30

End Date: 2012.09.30

Last Calib.: 2012.09.30

Start Time: 13:25:24

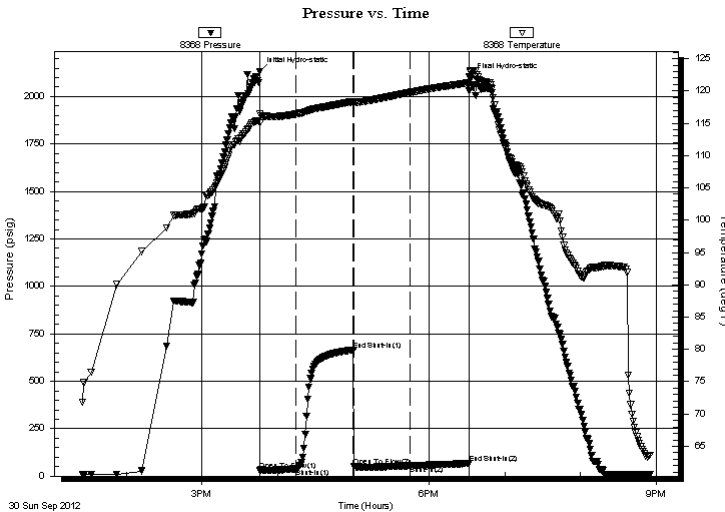
End Time: 20:55:24

Time On Btm: 2012.09.30 @ 15:45:54

Time Off Btm: 2012.09.30 @ 18:32:24

TEST COMMENT: 4" in blow
 No return
 4" in blow
 weak surface return in 11 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2133.57	116.38	Initial Hydro-static
1	31.94	115.13	Open To Flow (1)
29	38.75	116.41	Shut-In(1)
74	665.23	118.35	End Shut-In(1)
75	49.30	118.17	Open To Flow (2)
119	55.46	119.76	Shut-In(2)
166	66.81	121.23	End Shut-In(2)
167	2099.42	122.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	w c m 40w 60m show of oil on top	1.26
0.00	150' weak gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hembree, Robert F.

12-20s-24w Ness, Ks

p.o. box 542
Ness City, Ks
67560-0542
ATTN:

Petersilie #3

Job Ticket: 50159

DST#: 1

Test Start: 2012.09.30 @ 13:25:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

24500 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
90.00	w c m 40w 60m show of oil on top	1.262
0.00	150' weak gas in pipe	0.000

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0

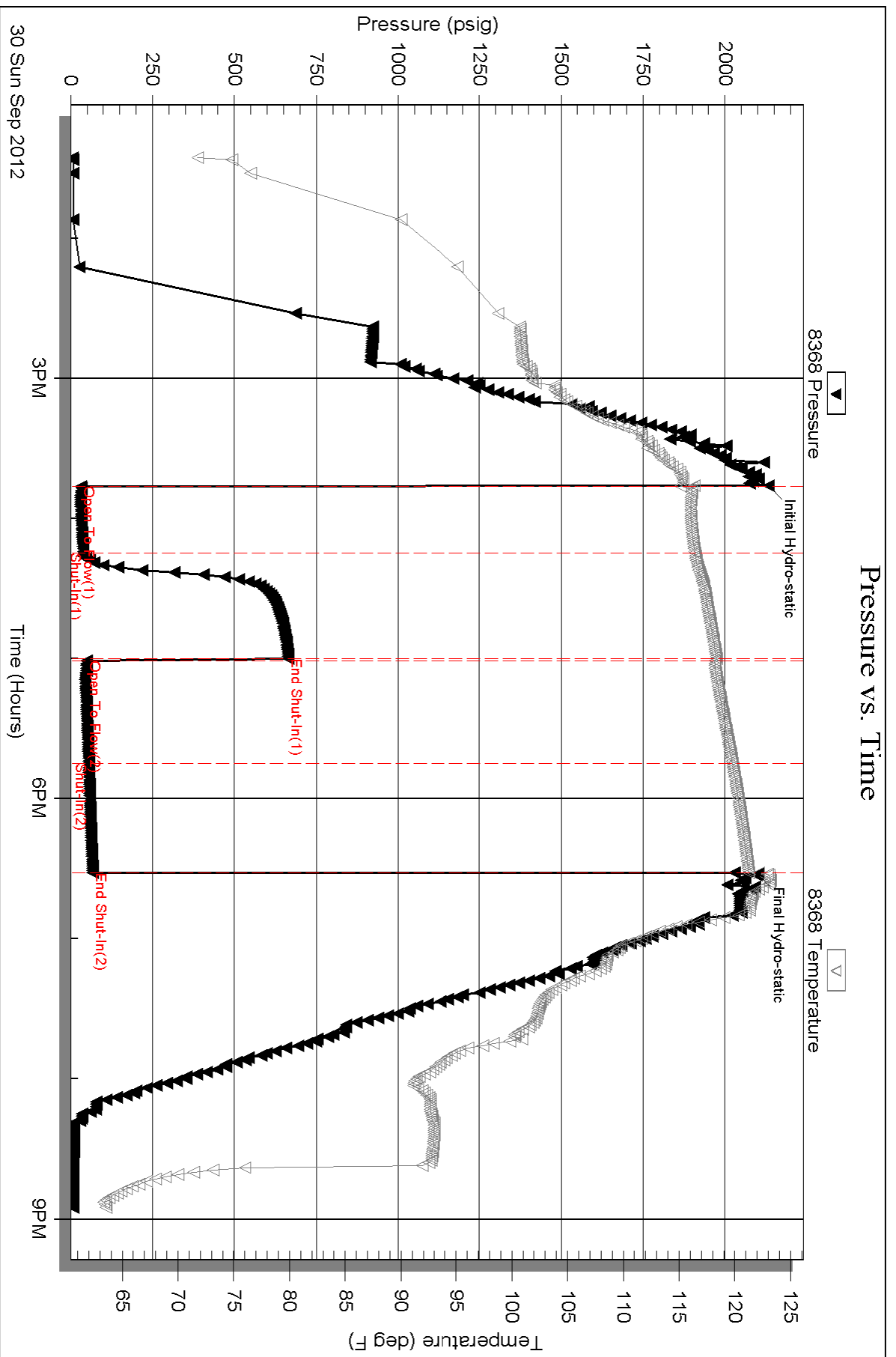
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .324 @ 65*f = 24,500 chlor





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hembree, Robert F.
 p.o.box 542
 Ness City, Ks
 67560-0542
 ATTN: Kurt Talbott

12-20s-24w Ness, Ks

Petersilie #3

Job Ticket: 50160

DST#: 2

Test Start: 2012.10.01 @ 12:30:36

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 14:23:06

Time Test Ended: 20:55:36

Interval: 4376.00 ft (KB) To 4424.00 ft (KB) (TVD)

Total Depth: 4424.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Reference Elevations: 2330.00 ft (KB)

2323.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8368

Inside

Press @ Run Depth: 364.18 psig @ 4377.00 ft (KB)

Start Date: 2012.10.01

End Date: 2012.10.01

Start Time: 12:30:36

End Time: 20:37:36

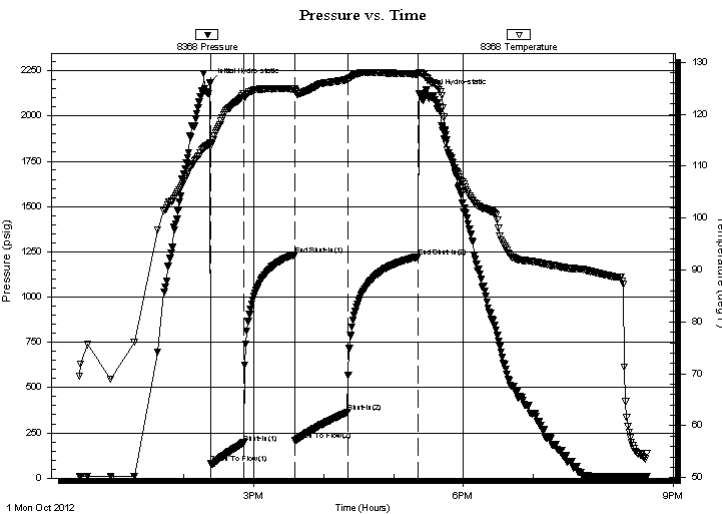
Capacity: 8000.00 psig

Last Calib.: 2012.10.01

Time On Btm: 2012.10.01 @ 14:22:36

Time Off Btm: 2012.10.01 @ 17:22:06

TEST COMMENT: B.O.B. in 7 min.
 1 1/2" in return
 B.O.B. in 5 1/2 min.
 Weak surface return in 11 min. died in 43 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2182.31	114.51	Initial Hydro-static
1	79.02	113.80	Open To Flow (1)
29	195.00	123.86	Shut-In(1)
73	1234.50	124.86	End Shut-In(1)
73	209.87	124.46	Open To Flow (2)
118	364.18	126.69	Shut-In(2)
179	1221.98	127.70	End Shut-In(2)
180	2125.33	127.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
713.00	c g o 20%g 80%o	10.00
120.00	s m c g o 10%m 25%g 65%o	1.68
60.00	g o c m 30%g 10%o60%m	0.84
0.00	150' gas in pipe	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Hembree, Robert F.

12-20s-24w Ness, Ks

p.o. box 542
Ness City, Ks
67560-0542

Petersilie #3

Job Ticket: 50160

DST#: 2

ATTN: Kurt Talbott

Test Start: 2012.10.01 @ 12:30:36

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
713.00	c g o 20%g 80%o	10.002
120.00	s m c g o 10%m 25%g 65%o	1.683
60.00	g o c m 30%g 10%o60%m	0.842
0.00	150' gas in pipe	0.000

Total Length: 893.00 ft

Total Volume: 12.527 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8368

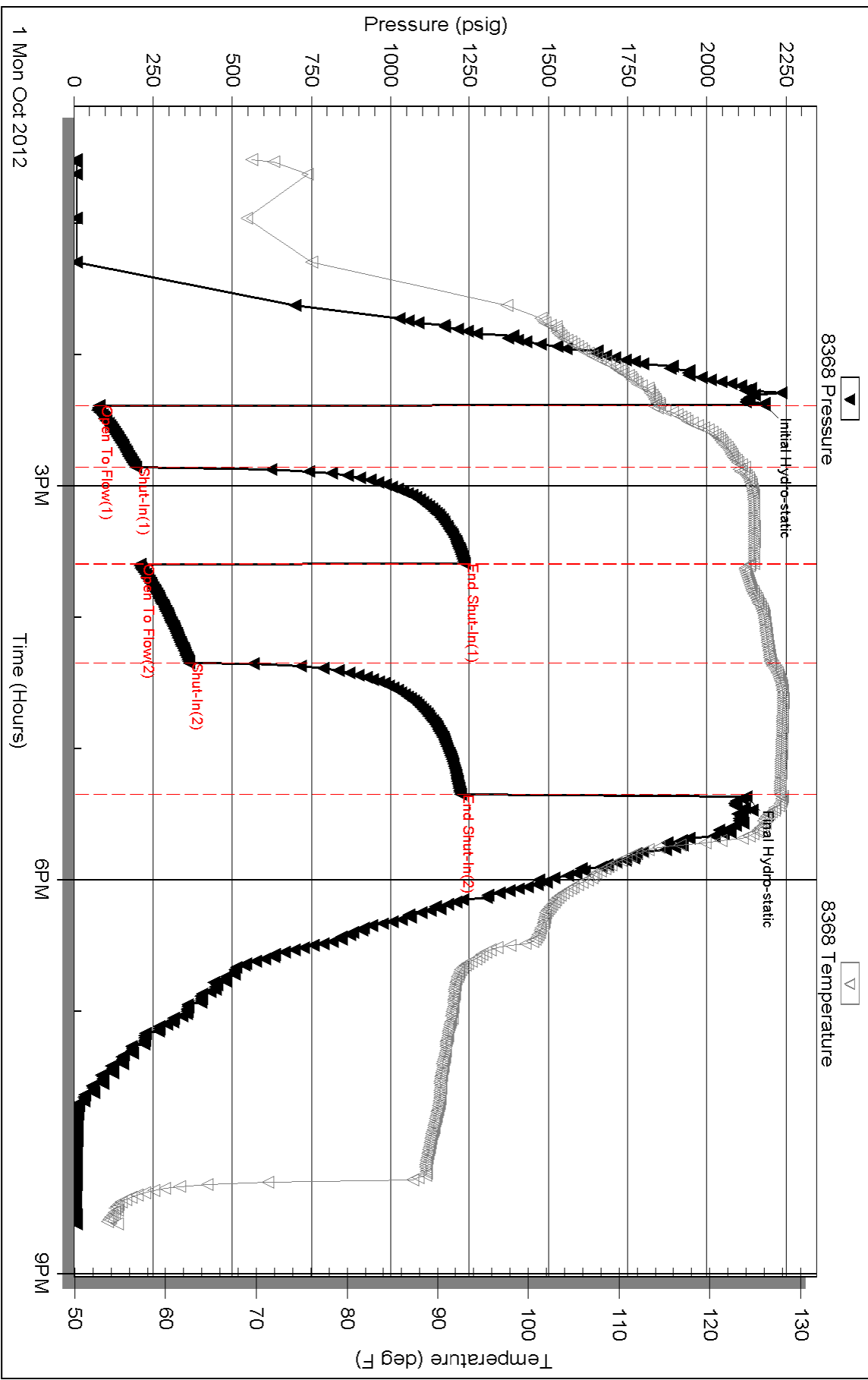
Inside

Hembree, Robert F.

Petersilie #3

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50160

Printed: 2012.10.02 @ 03:21:58