



KANSAS CORPORATION COMMISSION 1159110
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: _____



1159110

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hembree, Robert F
Well Name	Petersilie 4
Doc ID	1159110

All Electric Logs Run

Dual Compensated Porosity Log
Dual Induction
Microresistivity
Geologist Log

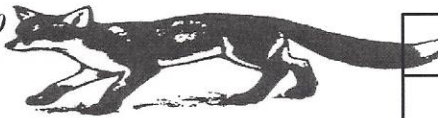
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Operator	Hembree, Robert F
Well Name	Petersilie 4
Doc ID	1159110

Tops

Name	Top	Datum
T/Anhydrite	1568	+761
B/Anhydrite	1611	+718
Heebner	3750	-1421
Toronto	3778	-1449
Lansing	3799	-1470
Base KC	4121	-1792
Marmaton	4157	-1828
Altamont	4185	-1856
Pawnee	4234	-1905
Ft. Scott	4309	-1980
Cherokee	4333	-2004
Mississippian	4422	-2093
Log TD	4484	-2155
Rotary TD	4486	-2157



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



Invoice

DATE	INVOICE #
8/9/2013	24903

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	#4	Petersilie	Ness	Pickrell Drilling	Oil	Development	Cement LongStri...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				10	Miles	6.00	60.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
402-5	5 1/2" Centralizer				6	Each	70.00	420.00T
403-5	5 1/2" Cement Basket				2	Each	285.00	570.00T
404-5	5 1/2" Port Collar				1	Each	2,650.00	2,650.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	375.00	375.00T
325	Standard Cement				175	Sacks	14.00	2,450.00T
284	Calseal				8	Sack(s)	35.00	280.00T
283	Salt				900	Lb(s)	0.20	180.00T
292	Halad 322				125	Lb(s)	7.75	968.75T
276	Flocele				50	Lb(s)	2.00	100.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
581D	Service Charge Cement				175	Sacks	2.00	350.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							11,187.75
	Sales Tax Ness County						6.15%	555.21
We Appreciate Your Business!							Total	\$11,742.96



CHARGE TO: **Robert F Hembree**
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
 No. **24903**

PAGE 1 OF 2

SERVICE LOCATION: **Medley KS** WEL PROJECT NO: **4** LEASE **Petersile** COUNTY/PARISH **Neosho** STATE **KS** CITY **New City** DATE **9 AUG 13** OWNER
 TICKET TYPE: SERVICE SALES CONTRACTOR
 WELL TYPE: **071** WELL CATEGORY: **Pickrell** RIG NAME/NO: **10** SHIPPED DELIVERED TO **location** ORDER NO.
 REFERRAL LOCATION: **Development cement long string** WELL PERMIT NO. WELL LOCATION: **12-20-24**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575		1			TRK 114	10 mi					6000	6000
578		1			Pump Charge	1 ea		6 ea	2 ea	150000	150000	150000
402		1			Centralizer	52 in		2 ea	2 ea	72000	42000	42000
403		1			Cement Basket	52 in		2 ea	2 ea	28500	57000	57000
404		1			Pest Colar	52 in		1 ea	2 ea	265000	265000	265000
406		1			Batch down pig & bag/ble	52 in		1 ea	1 ea	27500	27500	27500
407		1			Inset Flats shoe w/ AUTO FILE	52 in		1 ea	1 ea	37500	37500	37500

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
 DATE SIGNED: *Steve P. Hembree* TIME SIGNED: A.M. P.M.

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

SURETY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	TOTAL
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	11,742.96
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	11,187.75
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	555.21
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	11,187.75
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	555.21
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	11,187.75
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	555.21
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	11,187.75
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	555.21
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	11,187.75



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

TICKET CONTINUATION

TICKET No. 24903

CUSTOMER: Robert F. Henninger
WELL: Peter Leslie #4
DATE: 9/18/13
PAGE 21 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		DATE	UNIT PRICE	AMOUNT
		LOC	ACCT	DE			QTY.	UM			
325		1				STANDARD cement (5-8-2)	175	SK	9/18/13	14.00	2450.00
284		1				cal seal	800	lb		35.00	2800.00
283		1				seal	900	lb		0.20	180.00
292		1				halart-322	125	lb		7.75	968.75
276		1				Floccle	50	lb		2.00	100.00
281		1				Mud Flush	500	gal		1.25	625.00
281		1				KCLs liquid	2	gal		25.00	50.00
290		1				D-air	2	gal		42.00	84.00
582		1				Drayage (w/m)	1	cu yd		250.00	250.00
581		1				Service Charge	1	ton miles		200	350.00
						MILEAGE CHARGE					
						TOTAL WEIGHT					
						LOADED MILES					
						CUBIC FEET					
						TON MILES					
CONTINUATION TOTAL											5337.75

JOB LOG

SWIFT Services, Inc.

DATE 7 AUG 13 PAGE NO. 1

CUSTOMER Robert F. Hembree WELL NO. 4 LEASE Petesville JOB TYPE cement lay string TICKET NO. 24903

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125 sk EA-2 w/ 1/4" Flacelle
								107jt 5 1/2" x 15.5" casing
								TD = 4486' Port Colloc #69 1594
								Control 2, 4, 6, 8, 68, 70 Bst 2, 69
	0500							on loc TRK 114
	0520							start 5 1/2" x 15.5" casing in well
	0700							Drop ball - circulate
	0750	4 1/2	12				200	Pump 12 bbl mud flush
		4 1/2	20				200	Pump 20 bbl KCL flush
	0757		7					Plug RH 30 sks
	0800	4 1/2	34				200	mix EA-2 cement 145 sk @ 15.3 ppg
								Drop latch down plug
								wash out pump & line
	0814	6 1/2					200	Displace plug
		6 1/2	85				850	
	0830	6 1/2	106				1500	Land plug
								Release pump to truck - dried up
	0835							wash truck
								Rack up
	0910							Job complete
								Flunk
								Flint, Blaine, and Dave

SWIFT



Services, Inc.

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



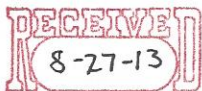
Invoice

DATE	INVOICE #
8/23/2013	23849

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	#4	Petersilie	Ness	Steve's Well Service	Oil	Development	Squeeze Perforat...	David
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				15	Miles	6.00	90.00
578D-D	Pump Charge - Deep Squeeze (> 1500 Ft.)				1	Job	1,500.00	1,500.00
325	Standard Cement				75	Sacks	14.00	1,050.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
286	Halad-1 (Halad 9)				25	Lb(s)	8.00	200.00T
581D	Service Charge Cement				75	Sacks	2.00	150.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							3,324.00
	Sales Tax Ness County						6.15%	82.04
We Appreciate Your Business!							Total	\$3,406.04



JOB LOG

SWIFT Services, Inc.

DATE 8-23-13 PAGE NO. 7

CUSTOMER Robert F Hembree WELL NO. #4 LEASE Petersilie JOB TYPE Squeeze Perforations TICKET NO. 23849

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							on Location
								Perfs - 4421 - 31 PKR to squeeze - 4361 75 sks STD w/ Haled f/ 20 sks on side 2 3/8" x 5 1/2" 15.5 #
	1450	3 1/2	24		✓		500	Load Annulus
	1459	∅	24		✓		500	Shut in valve 500# Hold
	1502	2	9		✓		900	Take Injection Rate
	1515	2	16		✓		300	Mix 75 sks STD w/ Haled in 1 st 20 sks wash out Pump & Lines
	1530	2	∅		✓		∅	Start Displacement
		2	3		✓		400	
	1538	2	∅ 12 1/2		✓		2000	Kick pump out Cement Locked up 4 bbl in tbg
	1548	∅	12 1/2		✓		2000	Release PSI Squeeze Hold
	1550	1 1/2	∅		✓		200	Reverse out Cement
		2	20		✓		400	
	1605	∅	∅		✓		1000	Reset Packer Pressure Cement 1000#
	1610	∅	∅		✓		1000	Release PSI <u>Hold</u>
								Pull 5 JTs
	1630	∅	∅		✓		500	Pressure up on Squeeze <u>500# Holding</u>
								Wash up truck
	1700							Job Complete
								Thank You Dave Flint Doney



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



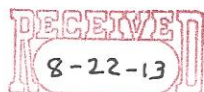
Invoice

DATE	INVOICE #
8/19/2013	25552

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	#4	Petersilie	Ness	Steve's Well Service	Oil	Development	Cement Port Collar	Jason
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	1,500.00	1,500.00
105	Port Collar Tool Rental With Man				1	Each	350.00	350.00T
276	Flocele				40	Lb(s)	2.00	80.00T
290	D-Air				1.5	Gallon(s)	42.00	63.00T
330	Swift Multi-Density Standard (MIDCON II)				150	Sacks	17.00	2,550.00T
581D	Service Charge Cement				175	Sacks	2.00	350.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							5,233.00
	Sales Tax Ness County						6.15%	187.14
We Appreciate Your Business!							Total	\$5,420.14





CHARGE TO: **ROBERT F. HEMBREE**
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 25552

PAGE 1 OF

1. SERVICE LOCATION: **NESS CITY, KS** WELLP/PROJECT NO. **LEASE** **PETERSVILLE #4** COUNTY/PARISH **NESS** STATE **KS** CITY **NESS CITY, KS** DATE **19 AUG 13** OWNER

2. TICKET TYPE: SERVICE SALES CONTRACTOR **STEVES WELL SERV.** RIG NAME/NO. **NESS** SHIPPED VIA **TRUCK** DELIVERED TO **NESS CITY, KS** ORDER NO.

3. WELLP/PROJECT NO. **D1L** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **CEMENT PORT COLLAR** WELLPERMIT NO. **95,1W,2N,W,INTD**

4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					PUMP CHARGE	B 115-	15	ML	1.08		6.10	90.00
576D											1500.00	1500.00
1D5					PORT COLLAR OPENING TOOL		4	TOOLS	1.00		350.00	350.00
276					FEDGE		4	TOOLS	1.00		2.00	8.00
29D					D-AIR		15	92			42.00	603.00
33D					SMD CEMENT		150	5X			17.00	2550.00
581					CEMENT SERVICE CHARGE		150	5X			2.00	350.00
582					MINIMUM DOWYAGE		1390	163	130.42	1M	250.00	250.00

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?
 CUSTOMER DID NOT WISH TO RESPOND

DATE SIGNED 19 AUG 13 **TIME SIGNED** 1D30 A.M. P.M.

PAGE TOTAL 5233

TOTAL 5420

TAX 6.15% 187

SWIFT OPERATOR: *[Signature]* APPROVAL: *[Signature]*

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

Thank You!



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 137785
Invoice Date: Aug 1, 2013
Page: 1

Bill To:

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Hem	60596	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Aug 1, 2013	8/31/13

Quantity	Item	Description	Unit Price	Amount
		<u>Petersilie #4</u>		
160.00	CEMENT MATERIALS	Class A Common	17.90	2,864.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
6.00	CEMENT MATERIALS	Chloride	64.00	384.00
172.90	CEMENT SERVICE	Cubic Feet	2.48	428.70
93.60	CEMENT SERVICE	Ton Mileage	2.60	243.36
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
12.00	CEMENT SERVICE	Pump Truck Mileage	7.70	92.40
12.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	52.80
1.00	CEMENT SUPERVISOR	Joshua Isaac		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		
1.00	OPERATOR ASSISTANT	Kevin Weighous		

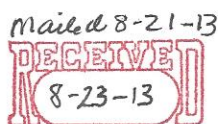
ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,411.93

ONLY IF PAID ON OR BEFORE
Aug 26, 2013

Subtotal	5,647.71
Sales Tax	204.07
Total Invoice Amount	5,851.78
Payment/Credit Applied	
TOTAL	5,851.78

< 1,411.93 >
4,439.85



ALLIED OIL & GAS SERVICES, LLC 060596

Federal Tax I.D. # 20-3651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend

DATE <u>8-1-13</u>	SEC <u>12</u>	TWP <u>20</u>	RANGE <u>24</u>	CALLED OUT	ON LOCATION	JOB START <u>3 AM</u>	JOB FINISH <u>3:30 AM</u>
LEASE <u>Petersville</u>	WELL # <u>4</u>	LOCATION <u>Ness City South to Ford</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>West 1 mile, N, West + Dip</u>				

CONTRACTOR Dickrell Drilling # 10 OWNER _____
 TYPE OF JOB Surface
 HOLE SIZE 17 1/2 T.D. _____
 CASING SIZE 8 5/8 DEPTH 221
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15 Er
 PERFS. _____
 DISPLACEMENT 13.12

CEMENT AMOUNT ORDERED <u>160 SKS Class A 340cc</u>			
<u>20 b gel</u>			
COMMON <u>160</u>	@ <u>17.90</u>	<u>2864.00</u>	
POZMIX _____	@ _____		
GEL <u>3</u>	@ <u>23.40</u>	<u>70.20</u>	
CHLORIDE <u>0</u>	@ <u>64.00</u>	<u>384.00</u>	
ASC _____	@ _____		
_____	@ _____		
_____	@ _____		
_____	@ _____		
_____	@ _____		
_____	@ _____		
HANDLING <u>172-9</u>	@ <u>2.48</u>	<u>428.70</u>	
MILEAGE <u>7.8 x 12</u>	@ <u>2.60</u>	<u>243.36</u>	
		TOTAL	<u>3,990.26</u>

EQUIPMENT

PUMP TRUCK CEMENTER Josh Isaac
 # 398 HELPER Mike Scathorn
 BULK TRUCK _____
 # 610 DRIVER Kevin Weighous
 BULK TRUCK _____
 # _____ DRIVER _____

REMARKS:

On location - Rig up - had soft pressure
run 8 5/8 casing
then circulate with rig mud
hook up cement pump
pump 5 bbls fresh water ahead
mix 160 sks class A 340cc 20 b gel
displace bbls fresh water & shut in
cement did circulate
Rig down 3:30

CHARGE TO: Dickrell Drilling
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>221</u>		
PUMP TRUCK CHARGE _____		<u>1512.25</u>
EXTRA FOOTAGE _____	@ _____	
MILEAGE <u>HVM 12</u>	@ <u>7.70</u>	<u>92.40</u>
MANIFOLD _____	@ _____	
<u>LVM 12</u>	@ <u>4.40</u>	<u>52.80</u>
_____	@ _____	

TOTAL 1657.45

PLUG & FLOAT EQUIPMENT

_____	@ _____	
_____	@ _____	
_____	@ _____	
_____	@ _____	
_____	@ _____	

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.

PRINTED NAME X Mike Kern
 SIGNATURE X Mike Kern

Thank you!!

SALES TAX (If Any) _____
 TOTAL CHARGES 5647.71
 DISCOUNT -1411.93 IF PAID IN 30 DAYS
\$ 4,235.78



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hembree, Robert F.

12-20s-24w Ness KS

Po Box 542
Ness City KS, 67560

Petersille #4

Job Ticket: 53942

DST#: 1

ATTN: Keith Reavis

Test Start: 2013.08.07 @ 03:58:00

GENERAL INFORMATION:

Formation: **Cong - Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:54:30

Time Test Ended: 13:46:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 53

Interval: 4361.00 ft (KB) To 4427.00 ft (KB) (TVD)

Reference Elevations: 2322.00 ft (KB)

Total Depth: 4427.00 ft (KB) (TVD)

2315.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6799 Inside

Press @ RunDepth: 37.63 psig @ 4400.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.07

End Date:

2013.08.07

Last Calib.:

2013.08.07

Start Time: 03:58:05

End Time:

13:46:00

Time On Btm:

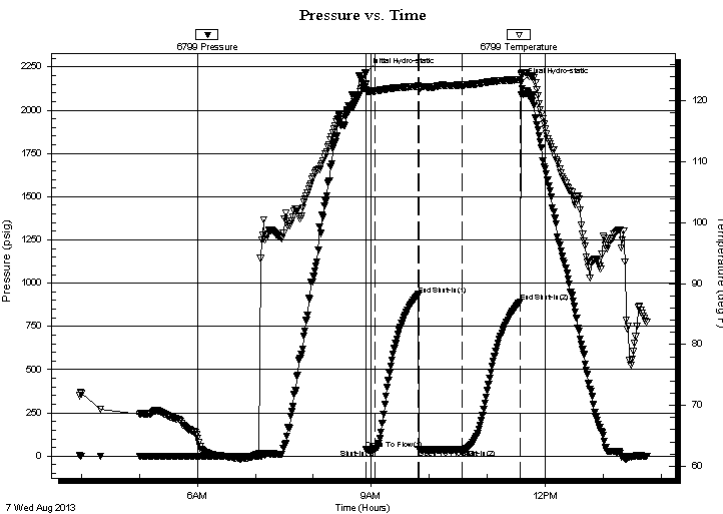
2013.08.07 @ 08:54:15

Time Off Btm:

2013.08.07 @ 11:35:30

TEST COMMENT: 10 - IF- 1 1/4" blow
45 - IS- No return
45 - FF- 1/2" blow
60 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2215.01	122.78	Initial Hydro-static
1	39.73	121.88	Open To Flow (1)
10	39.64	121.64	Shut-In(1)
55	933.85	122.40	End Shut-In(1)
56	40.26	122.09	Open To Flow (2)
100	37.63	122.59	Shut-In(2)
161	892.93	123.48	End Shut-In(2)
162	2159.09	124.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM, 10%O, 90%M	0.21
5.00	Free Oil, 100%O	0.07

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

Po Box 542
Ness City KS, 67560

Petersille #4

Job Ticket: 53942

DST#: 1

ATTN: Keith Reavis

Test Start: 2013.08.07 @ 03:58:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	SOCM, 10%O, 90%M	0.210
5.00	Free Oil, 100%O	0.070

Total Length: 20.00 ft Total Volume: 0.280 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

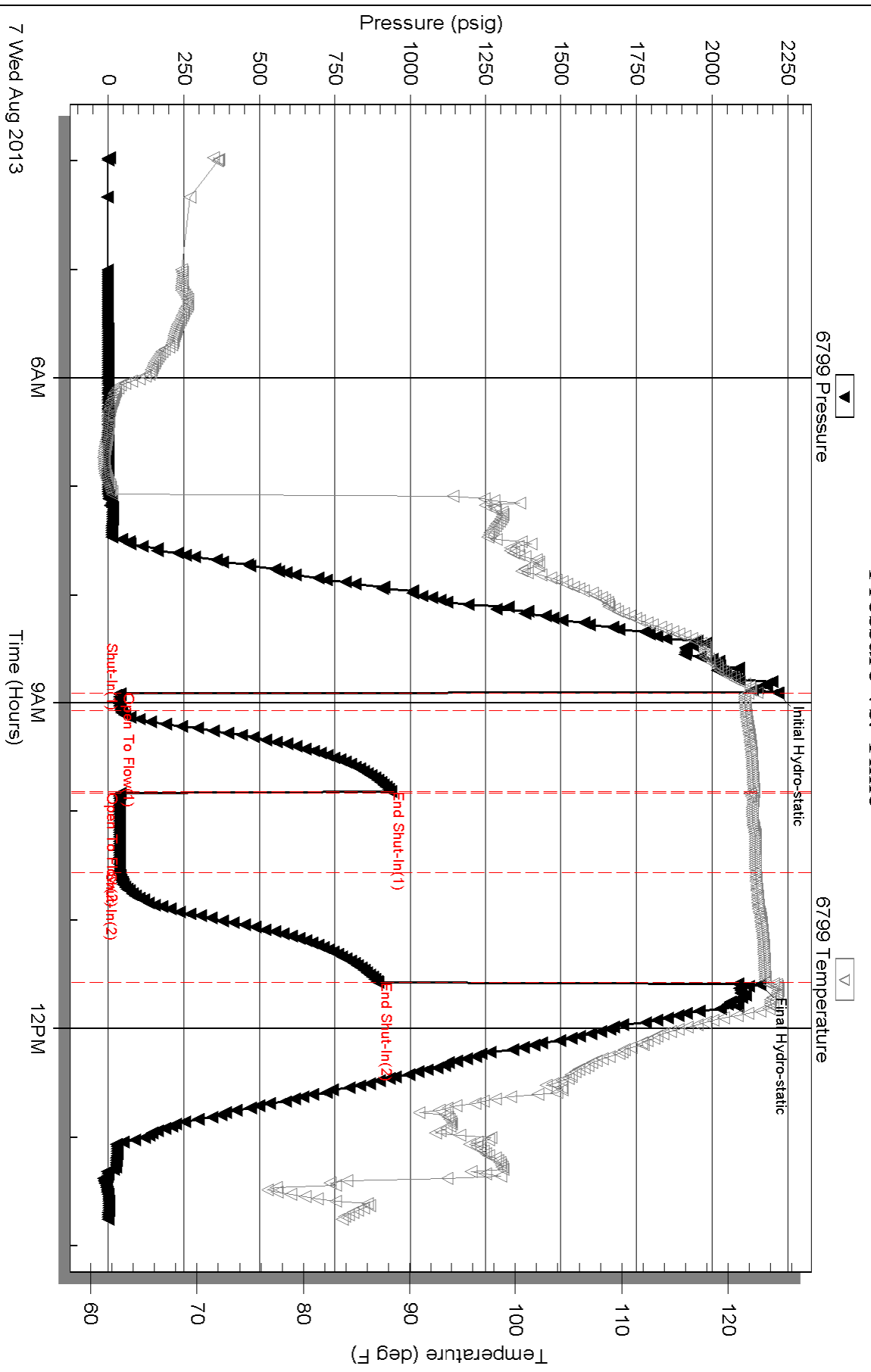
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity: 38@ 100 Degrees = 34

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hembree, Robert F.
 Po Box 542
 Ness City KS 67560
 ATTN: Keith Reavis

12-20s-24w Ness KS

Petersilie #4

Job Ticket: 53943

DST#: 2

Test Start: 2013.08.07 @ 20:30:00

GENERAL INFORMATION:

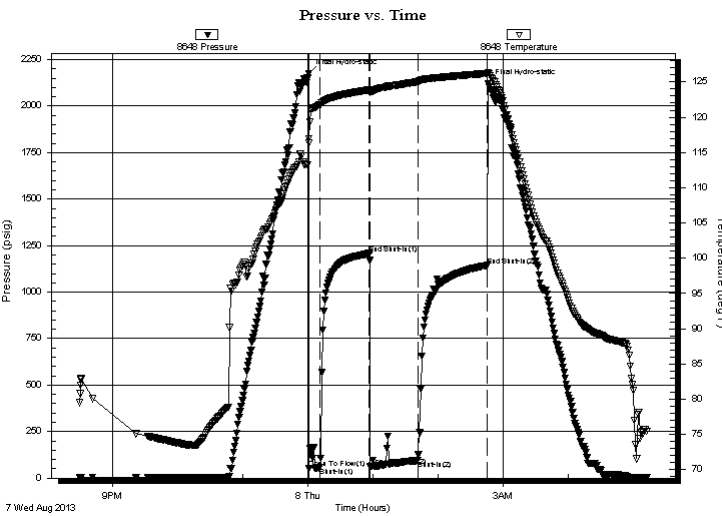
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 00:01:15 Tester: Cody Bloedorn
 Time Test Ended: 05:11:45 Unit No: 53
 Interval: **4426.00 ft (KB) To 4436.00 ft (KB) (TVD)** Reference Elevations: 2322.00 ft (KB)
 Total Depth: 4436.00 ft (KB) (TVD) 2315.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8648 Outside

Press @ Run Depth: 94.17 psig @ 4427.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.07 End Date: 2013.08.08 Last Calib.: 2013.08.08
 Start Time: 20:30:05 End Time: 05:11:45 Time On Btm: 2013.08.08 @ 00:00:45
 Time Off Btm: 2013.08.08 @ 02:45:45

TEST COMMENT: 10 - IF- 6" blow
 45 - IS- No return
 45 - FF- B.O.B. in 31 minutes
 60 - FS- Surface return throughout

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.47	116.31	Initial Hydro-static
1	53.53	116.98	Open To Flow (1)
11	57.05	121.73	Shut-In(1)
56	1206.98	123.86	End Shut-In(1)
57	64.40	123.50	Open To Flow (2)
101	94.17	125.02	Shut-In(2)
164	1143.93	126.21	End Shut-In(2)
165	2121.08	126.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GSOCM, 10%O, 20%G, 70%M	1.74
10.00	Free Oil, 100%O	0.14

* Recovery from multiple tests

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

Po Box 542
Ness City KS 67560

Petersilie #4

Job Ticket: 53943

DST#: 2

ATTN: Keith Reavis

Test Start: 2013.08.07 @ 20:30:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GSOCM, 10%O, 20%G, 70%M	1.739
10.00	Free Oil, 100%O	0.140

Total Length: 134.00 ft

Total Volume: 1.879 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

