



KANSAS CORPORATION COMMISSION 1098994
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 # 8247
Name: Hembree, Robert F
Address 1: PO BOX 542
Address 2: _____
City: NESS CITY State: KS Zip: 67560 + 0542
Contact Person: Fred J. Hembree
Phone: (620) 802-7960
CONTRACTOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Wellsite Geologist: Kurt Talbott
Purchaser: N.C.R.A.

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 #: _____

<u>09/21/2012</u>	<u>10/02/2012</u>	<u>10/03/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25461-00-00

Spot Description: _____
S2 SE NE SE Sec. 12 Twp. 20 S. R. 24 East West
1628 Feet from North / South Line of Section
330 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Ness

Lease Name: Petersilie Well #: 3

Field Name: Petersilie Northeast

Producing Formation: Mississippi

Elevation: Ground: 2323 Kelly Bushing: 2330

Total Depth: 4422 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 217 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1600 Feet

If Alternate II completion, cement circulated from: 1600

feet depth to: 0 w/ 175 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 25000 ppm Fluid volume: 80 bbls

Dewatering method used: Evaporated

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: Deanna Gamsol Date: 11/05/2012



1098994

Operator Name: Hembree, Robert F Lease Name: Petersilie Well #: 3
 Sec: 12 Twp 20 S. R. 24 East West County: Ness

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface	12.250	8.625	20	217	Class A	150	2%gel, 3%cc
Long String	7.875	5.50	15.50	4414	EA-2	145	1/4# FC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-1600	SMD	175	11.2 PPG
	-			

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: <u>2.375</u> Set At: <u>4419</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>10/17/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>75</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u> Gas-Oil Ratio <u>36</u> Gravity

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 checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: <u>4414-4422</u>
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Form	ACO1 - Well Completion
Operator	Hembree, Robert F
Well Name	Petersilie 3
Doc ID	1098994

All Electric Logs Run

Microresisitivity 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

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

SWIFT



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	Pickrel 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-1	Pump Charge - Long String - 4422 Feet				1	Job	1,500.00	1,500.00
402-5	5 1/2" Centralizer				5	Each	70.00	350.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar - 1600 Feet				1	Each	2,400.00	2,400.00T
405-5	5 1/2" Formation Packer Shoe				1	Each	1,400.00	1,400.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCl (Clayfix)				2	Gallon(s)	25.00	50.00T
276	Floccle				44	Lb(s)	2.00	88.00T
283	Salt				900	Lb(s)	0.20	180.00T
284	Calseal				8	Sack(s)	35.00	280.00T
285	CFR-1				100	Lb(s)	4.00	400.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
325	Standard Cement				175	Sacks	13.50	2,362.50T
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

10-5-12



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

TICKET
No 23420

PAGE	1	OF	2
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SERVICE LOCATIONS 1. NESS CITY, KS	WELL/PROJECT NO	LEASE PETERSVILLE #3	COUNTY/PARISH NESS	STATE KS	CITY NESS CITY, KS	DATE 2 OCT 12	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR PICKRELL DRILLING RIG #10	RIG NAME/NO	SHIPPED VIA	DELIVERED TO	ORDER NO	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2 HONGSTRING	WELL PERMIT NO.	WELL LOCATION 9S1W, N/W INTO		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY	U/M	QTY	U/M	
575					MILEAGE #110	15	MI	6.00		90.00
578					PUMP CHARGE	1508	4422 FT.	1500		1500.00
402					CENTRALIZERS	5	EA.	70.00		350.00
403					CEMENT BASKET	1	EA.	250.00		250.00
404					PORT COLLAR	1	EA.	2400.00		2400.00
405					FORMATION PACKER SLICE	1	EA.	1400.00		1400.00
406					LATCHDOWN PLUG & BAFFLE	1	EA.	250.00		250.00
231					MUD FLUSH	500	BAR	1.25		625.00
221					LIQUID KCL	2	9AL	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

X
DATE SIGNED 2001/12 TIME SIGNED 1745 A.M. P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	1	6915.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2	3980.00	50
WE UNDERSTOOD AND MET YOUR NEEDS?				sub total	10895.00	50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	443.44	71
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	11,443.44	
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO						
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

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

SWIFT OPERATOR *[Signature]* APPROVAL *[Signature]* Thank You!



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

TICKET CONTINUATION

TICKET No. 23480

CUSTOMER: ROBERT F. HEMBREE WERT: PETERSILIE #3 DATE: 2 OCT 12 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	BF			QTY.	UM	QTY.	UM	
276						FLOXCE	44	lbs	2	lb	88.00
283						SALT	900	lbs	2	lb	180.00
284						CLSEAL	8	sx	35	lb	280.00
285						CI-R-1	100	lbs	4	lb	400.00
290						TD-AIR	2	gal	35	lb	70.00
325						STANDARD CEMENT EA2	175	sx	13	lb	2362.50
531						SERVICE CHARGE			2	lb	350.00
532						MILEAGE CHARGE	18594	TOTAL WEIGHT	15	LOADED MILES	131.20
									250	lb	250.00

CONTINUATION TOTAL 3980.50

JOBLOG

SWIFT Services, Inc.

DATE 2007/12 PAGE NO.

CUSTOMER
ROBERT F. HENIBREE

WELL NO.

LEASE
PETERSVILLE #3

JOB TYPE
5 1/2 LONGSTRING

TICKET NO.
23470

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 LT@4422 SHOET 42.09 SET 8' OFF BOTTOM CENTRALIZERS 2, 4, 6, 6, 6, 6, 8 BASKET 6.7 PORT COLLAR TOP OF # 6.7 @ 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 (30sx)
	1646	6	35		✓			MIX 145sx EA2
	1656							WASH OUT PUMP & LINES
	1658	6			✓			START DISPLACING PLUG
	1714	8	104		✓		1500	PLUG DOWN PSI UP - LATCH PLUG IN
	1716							WASH TRUCK
	1745							JOB COMPLETE THANKS #110 JASON JEFF JOHN

SWIFT



Services, Inc.

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, I.C.	Oil	Development	Cement Port Collar	Wayne
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	350.00
330	Swift Multi-Density Standard (MIDCON II)				175	Sacks	16.50	2,887.50
276	Flocele				50	Lbs(s)	2.00	100.00
290	D-Air				2	Gallon(s)	35.00	70.00
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. HEMBREE**
 ADDRESS:
 CITY STATE, ZIP CODE:

TICKET
 No 23200

PAGE 1 OF 1

SERVICE LOCATIONS: 1. **NESS CITY, KS**
 2.
 3.
 4. REFERRAL LOCATION

WELL/PROJECT NO: # **3**
 LEASE: **PETERSIZE**
 COUNTY/PARISH: **NESS**
 STATE: **Ks**
 CITY: **NESS**
 DATE: **10-11-12**
 OWNER: **SAME**

TICKET TYPE: SERVICE SALES
 CONTRACTOR: **H2 PUMPS**
 RIG NAME/NO.:
 SHIPPED VIA: **CT**
 DELIVERED TO: **LOCATED**
 ORDER NO.:

WELL TYPE: **OIL**
 WELL CATEGORY: **DEVELOPMENT**
 JOB PURPOSE: **COMPT. PUMP CHANGE**
 WELL PERMIT NO.:
 WELL LOCATION: **NESS CITY, KS 95, 1w, 14.2, W**

INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY	UM	QTY	UM	
575		1			MILEAGE # 112	15	ME		6.00	90.00
576D		1			PUMP CHANGE	1	JOB		1250.00	1250.00
105		1			PUMP CHANGE OPERATOR TRUCK	1	JOB		350.00	350.00
330		1			SWIFT MULTI-DESERT STATION	175	SER		16.50	2887.50
276		1			FUEL OIL	50	GAL		2.00	100.00
290		1			D-OIL	2	GAL		35.00	70.00
581		1			SERVICE CHARGE COMING	175	SER		2.00	350.00
582		1			MONTHLY DRAINAGE CHARGE	17.34	LBS	130.43	1.44	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

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

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					5347.50
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"/> YES <input type="checkbox"/> NO					
<input checked="" type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					
TOTAL					5402.17

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

SWIFT OPERATOR: **Wayne Wilson**

APPROVAL: *Robert F. Hembree*

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10-11-12 PAGE NO. 1

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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							ON LOCATION
								2 3/8 x 5 1/2 Port Curre = 1607'
	0950				✓		1000	PSI TEST CASING - HEUD
	0955	3	2	✓		400		OPEN PORT CURE - INT RATE
	1000	3 1/4	97	✓		400		MIX CEMENT 1.75 SKS SMD @ 11.2 PPG
	1030	3 1/4	5 1/2	✓		550		DISPLACE CEMENT
	1040				✓		1000	CLOSE PORT CURE - PSI TEST HEUD
								CALCULATED 15 SKS CEMENT TO PSI
	1050	4	20	✓		500		RUN 5 JTS - CIRCULATE CLEAN
								WASH TRUCK
	1130							JOB COMPLETE
								THANK YOU WAYNE, JOSH B., JED, ROB



PQ Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 132821

Invoice Date: Sep 22, 2012

Page: 1



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

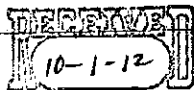
Customer ID	Well Name# or Customer P.O.	Payment Terms	
Hem	Peter Sillie #3	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Sep 22, 2012	10/22/12

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		

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



Subtotal	5,427.97
Sales Tax	183.74
Total Invoice Amount	5,621.71
Payment/Credit Applied	
TOTAL	5,621.71

1356.99
4,264.72

ALLIED OIL & GAS SERVICES, LLC

REMIY TO P.O. BOX 93909
SOUTH LAKE TEXAS 76092

SERVICE POINT:
Great Bend

DATE <u>12-22-12</u>	SEC <u>17</u>	TWP <u>22S</u>	RANGE <u>24W</u>	CALLED OUT <u>9:30 AM</u>	ON LOCATION <u>12-18-12</u>	JOB START <u>8:00 AM</u>	JOB FINISH <u>8:15 AM</u>
LEASED for <u>5 1/2</u> Wells # <u>3</u>			LOCATION <u>16 1/2 to 23 1/2 Sec. 17, Twp. 22S, R. 24W</u>		COUNTY <u>Wash</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			REASON <u>1st Well in this location</u>				

CONTRACTOR Pickrell to OWNER Robert Hendree

TYPE OF JOB 5 1/2 Well Cement

HOLE SIZE 12 1/4" TD _____

CASING SIZE 8 1/2" 24" DEPTH 208 4/8'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

FRES. MAX _____ MINT/MUM _____

MEAS. LINE _____ SHOE JOINT 20 ft

CEMENT LEFT IN CSG. 20 ft

PERFS. _____

DISPLACEMENT 12.5 bbls Fresh Water

CEMENT AMOUNT ORDERED 1550 Class 4 1/2 3/4 Col 1
of 2 1/2 Gal

COMMON	<u>150</u>	@ <u>18.50</u>	<u>2,685.00</u>
FORMIX		@	
GEL	<u>3</u>	@ <u>23.75</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@ <u>64.00</u>	<u>320.00</u>
ASC		@	
HANDLING	<u>162</u>	@ <u>2.48</u>	<u>401.76</u>
MILEAGE	<u>7.4 x 14.7</u>	@ <u>2.60</u>	<u>269.80</u>
TOTAL			<u>3,746.82</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Charles Williams</u>	<u>1</u>
# <u>366</u>	HELPER <u>Randy Eddy</u>	<u>1</u>
BULK TRUCK		
# <u>778</u>	DRIVER <u>Alan Sorenson</u>	<u>2</u>
BULK TRUCK		
#	DRIVER	

REMARKS:
Clean Tools Fresh Water
12 1/4" 20' Cement to Per in casing
Displace with 12.5 bbls Fresh Water

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.

PRINTED NAME Toby Leach

SIGNATURE Toby Leach

SERVICE

DEPTH OF JOB	<u>208</u>		
PUMP TRUCK CHARGE		@ <u>1512.35</u>	
EXTRA FOOTAGE		@	
MILEAGE	<u>14 x 14</u>	@ <u>7.70</u>	<u>107.80</u>
MANHOLE	<u>14 x 14</u>	@ <u>4.40</u>	<u>61.60</u>
TOTAL			<u>1,681.65</u>

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL			

SALES TAX (If Any) 1.356.27

TOTAL CHARGES 5,427.27

DISCOUNT 25% 1,356.27 IF PAID IN 30 DAYS

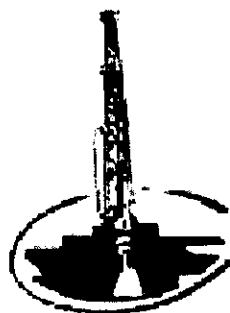
4,070.92

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

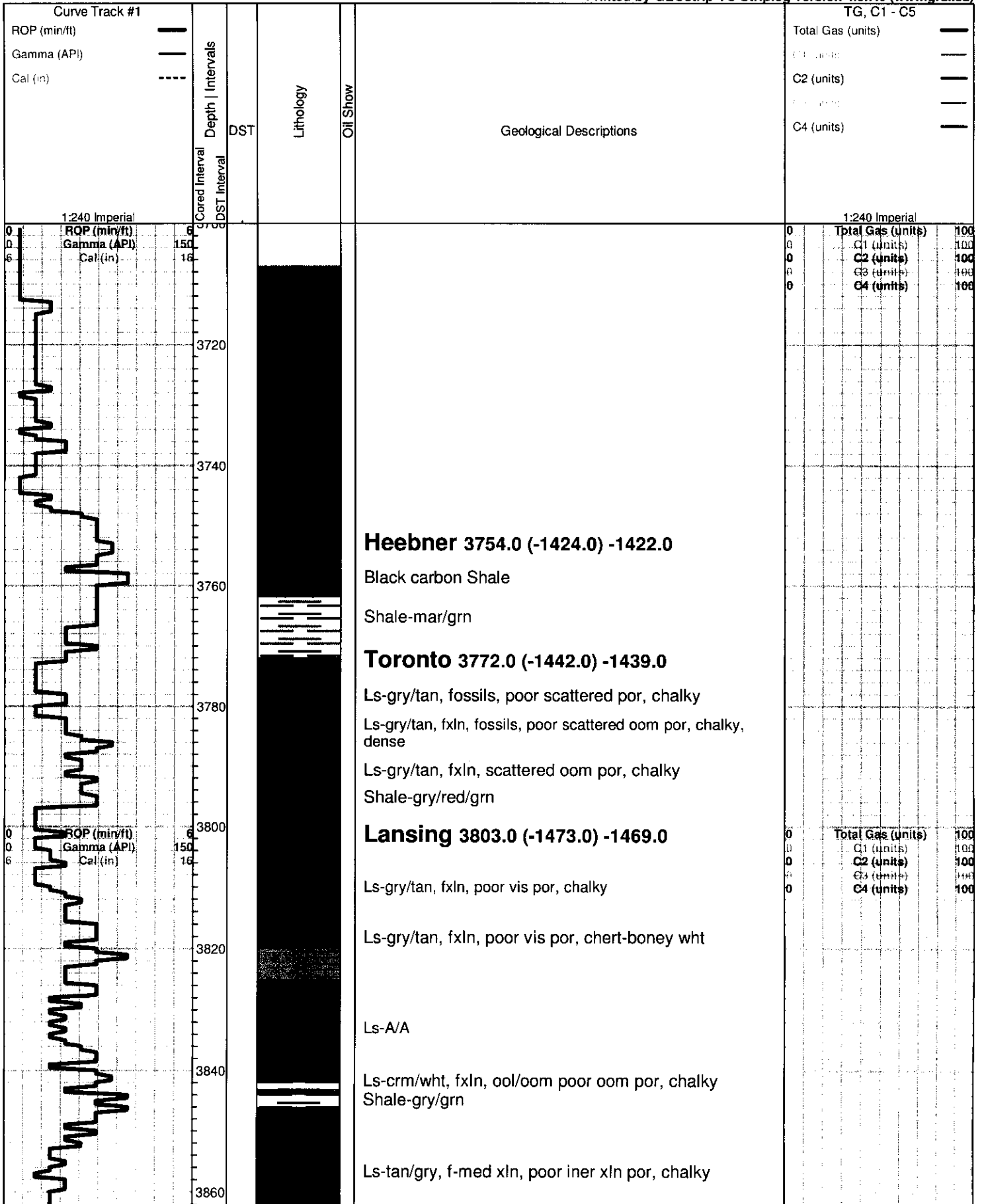


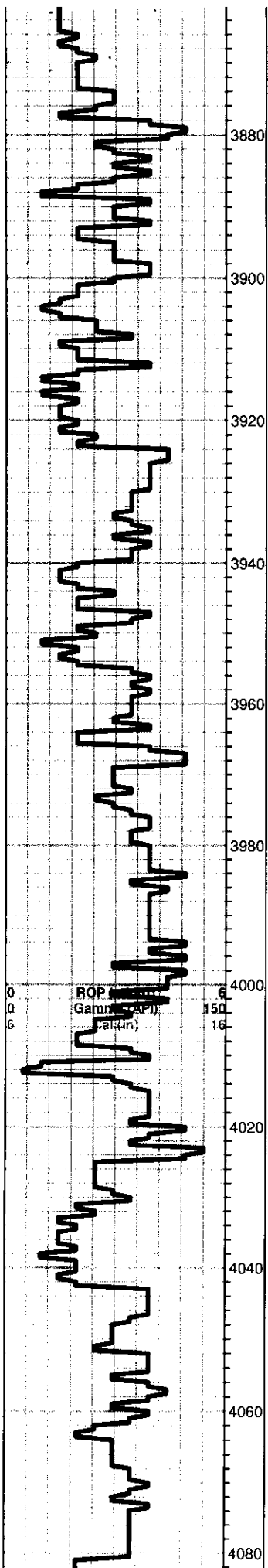
Shcol

OTHER SYMBOLS

DST
 ■ DST Int
 ■ DST alt

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

A/A Shale-gry-Trace black carbon

Ls-crm/tan/gry, fxln, poor iner xln por, chalky, Shale-gry/grn

Ls-wht/crm, fxln, ool, poor oom por, chalky

Ls-gry/wht, fxln, dense, poor vis por, chalky, few fossils

Ls-gry/wht, fxln, dense, fossils, poor iner clast por, chalky

Ls-crm/wht, f-med xln, slightly ool, poor iner xln por, chalky, chert-boney wht/tan

Ls-lt gry/wht, f-med xln, poor vis por, chalky

A/A shale-gry/grn/brwn

Ls-wht/crm, fxln, ool, poor scattered oom por, chalky, cherty

Ls-wht/lt gry, ool, oom poor oom por, chalky, chert-wht/tan

Ls-wht/crm, fxln, poor vis por, chalky, cherty

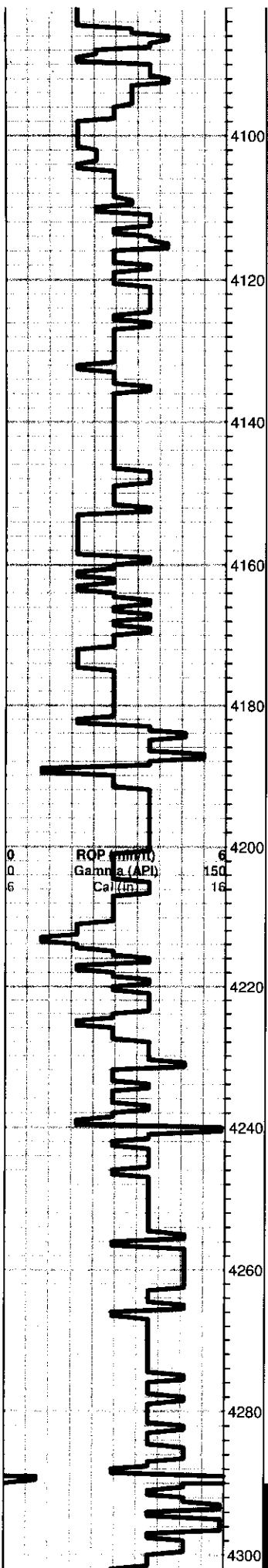
Ls-wht/lt gry, fxln, poor vis por, dense, chalky, cherty

A/A Trace Black carbon shale

Ls-gry/wht fxln, chert-gry, chalky

Ls-gry/tan, ool, poor iner ool por, chalky, cherty.

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



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

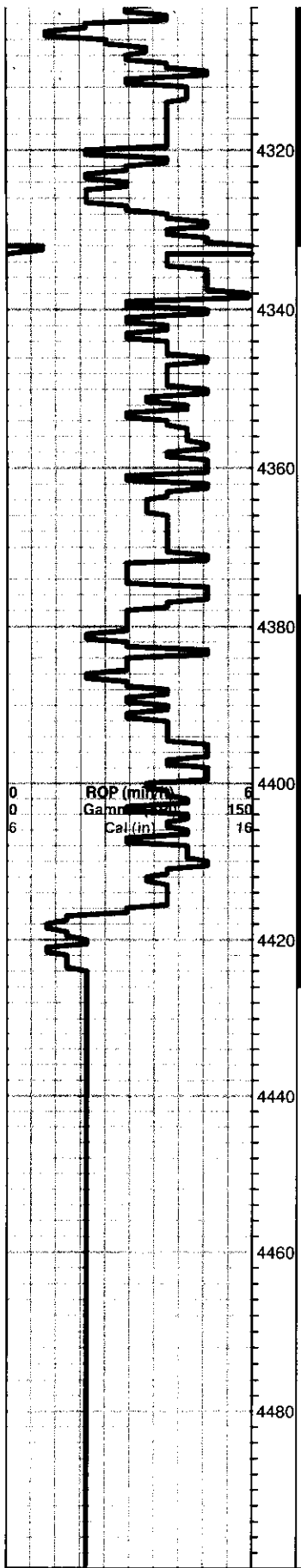
Black carbon Shale

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



Black Carbon Shale

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**

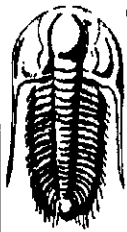
IF: BOB 7 minutes
ISI: 1 1/2" Feturn
FF BOB in 5 1/2 min
FSI: Surface Return

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.

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

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@RunDepth: 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

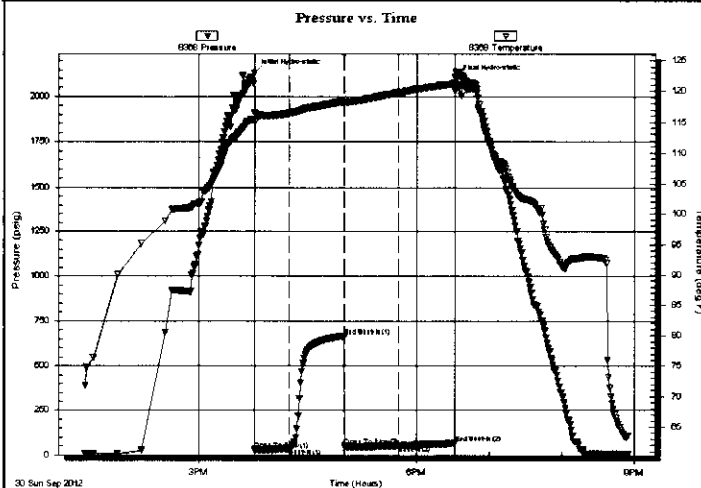
Start Time: 13:25:24

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

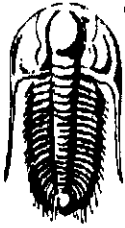
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2133.57	116.38	Initial Hydro-static
1	31.94	115.13	Open To Flow (1)
29	38.75	116.41	Shut-In(1)
74	665.23	118.35	End Shut-In(1)
75	49.30	118.17	Open To Flow (2)
119	55.46	119.76	Shut-In(2)
166	66.81	121.23	End Shut-In(2)
167	2099.42	122.93	Final Hydro-static

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 bbl
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

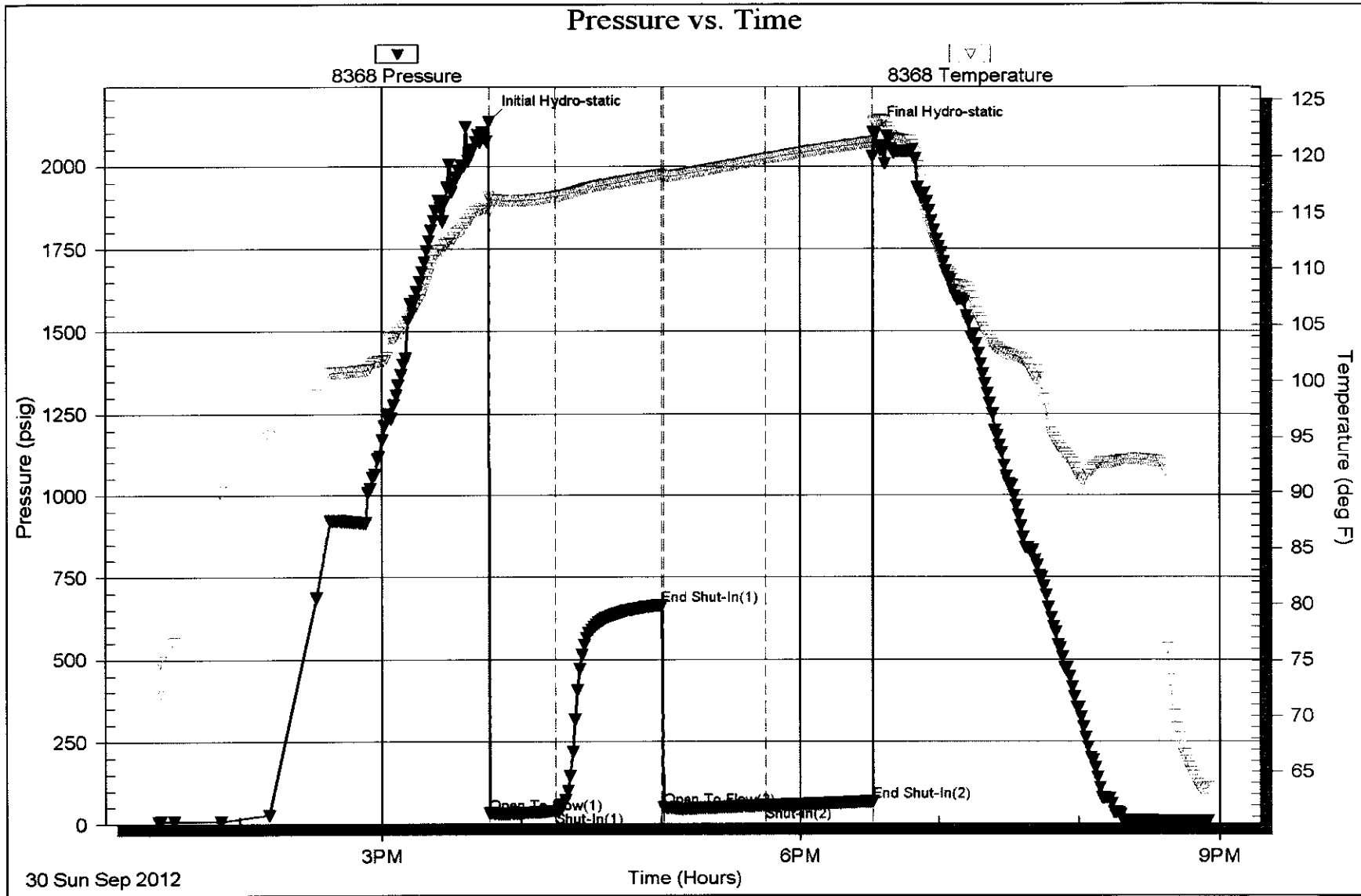
Num Gas Bombs: 0

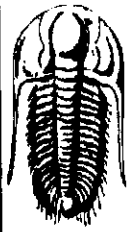
Serial #:

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

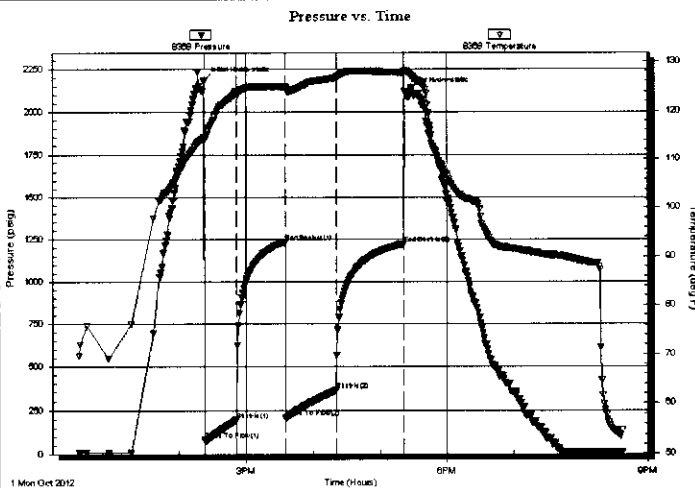
12-20s-24w Ness, Ks
Petersilie #3
 Job Ticket: 50160 **DST#: 2**
 Test Start: 2012.10.01 @ 12:30:36

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@RunDepth: **364.18 psig @ 4377.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.10.01** End Date: **2012.10.01** Last Calib.: **2012.10.01**
 Start Time: **12:30:36** End Time: **20:37:36** 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

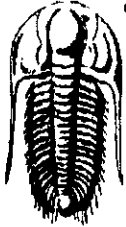
Recovery

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

Petersilie #3

Ness City, Ks

Job Ticket: 50160

DST#: 2

67560-0542

Test Start: 2012.10.01 @ 12:30:36

ATTN: Kurt Talbott

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:

bbf

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 bbf
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 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

