



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1087745
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1087745

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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	Chieftain Oil Co., Inc.
Well Name	Houlton C 2
Doc ID	1087745

All Electric Logs Run

Geological Log
Dual Induction Log
Dual Compensated Log
Sector Bond / Gamma Ray Log

Form	ACO1 - Well Completion
Operator	Chieftain Oil Co., Inc.
Well Name	Houlton C 2
Doc ID	1087745

Tops

Name	Top	Datum
Heebner	3628	-2145
Lansing	3821	-2338
Base Kansas City	4338	-2855
Pawnee	4451	-2968
Cherokee	4496	-3013
Mississippian	4506	-3023
Viola	4827	-3344
Simpson Sdst.	4944	-3461
Arbuckel	NL	NL
Total Depth	5084	-3601



PAGE 1 of 1	C T NO 1000719	INVOICE DATE 04/25/2012
INVOICE NUMBER 1718 - 90888075		

Pratt (620) 672-1201
 B CHIEFTAIN OIL COMPANY
 I PO Box: 124
 L KIOWA
 L KS US 67070
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Houlton C 2
 O LOCATION
 B COUNTY Barber
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40455959	19843		Net - 30 days	05/25/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 04/22/2012 to 04/22/2012</i>				
0040455959				
171806253A Cement-New Well Casing/Pi 04/22/2012 Cement 8 5/8" Surface				
60/40 POZ	300.00	EA	9.48	2,843.74 T
Celloflake	75.00	EA	2.92	219.20 T
Calcium Chloride	774.00	EA	0.83	641.97 T
"Wooden Cmt Plug, 8 5/8" ""	1.00	EA	126.39	126.39
"Unit Mileage Chg (PU, cars one way)"	45.00	MI	3.36	151.07
Heavy Equipment Mileage	90.00	MI	5.53	497.65
"Proppant & Bulk Del. Chgs., per ton mil	581.00	EA	1.26	734.31
Depth Charge; 0-500'	1.00	EA	789.93	789.93
Blending & Mixing Service Charge	300.00	BAG	1.11	331.77
Plug Container Util. Chg.	1.00	EA	197.48	197.48
"Service Supervisor, first 8 hrs on loc.	1.00	EA	138.24	138.24

MAY 03 2012
912 LBC

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,671.75
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	270.46
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	6,942.21
DALLAS, TX 75284-1903	MIDLAND, TX 79702		





BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 06253 A

DATE _____ TICKET NO. _____

DATE OF JOB 4-22-2012 DISTRICT PRATT, Ks.				NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:					
CUSTOMER CHIEFTAIN OIL CO., INC.				LEASE HOULTON 'C'		WELL NO. 2			
ADDRESS				COUNTY BARBER		STATE Ks.			
CITY STATE				SERVICE CREW LESLEY, MARQUEZ, LAWRENCE					
AUTHORIZED BY				JOB TYPE: CNLW - 8 5/8" S.P.					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 4-21-2012	DATE 4-21-2012	ARR PM	TIME
37586	1.5					ARRIVED AT JOB		11:00	
19839-19843	1.5					START OPERATION		2:00	
19831-19862	1.5					FINISH OPERATION		3:30	
						RELEASED		4:30	
						MILES FROM STATION TO WELL		45	

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	600/40 P02	SK	300		3,600.00
CC 102	CELL-FLAKE	lb	75		277.50
CC 109	CALCIUM CHLORIDE	lb	774		812.70
CF 153	WOODEN CEMENT PLUG, 8 5/8"	EA	1		160.00
E 100	PICKUP MILEAGE	MI	45		191.25
E 101	HEAVY EQUIPMENT MILEAGE	MI	90		630.00
E 113	BULK DELIVERY CHARGE	TM	581		928.30
CE 200	DEPTH CHARGE 0-500'	HR	1-4		1,000.00
CE 240	BLENDING SERVICE CHARGE	SK	300		420.00
CE 504	PLUG CONTAINER CHARGE	DOB	1		250.00
S 003	SERVICE SUPERVISOR	EA	1		175.00

SUB TOTAL **6,671.75**

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE <i>[Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer	CHIEFTAIN OIL CO., INC.	Lease No.		Date	4-22-2012		
Lease	HOULTON 'C'	Well #	2				
Field Order #	06253	Station	PRATT, KS.	Casing	8 5/8"	Depth	
Type Job	CNW-8 5/8" S.P.	Formation	TD = 310'	County	BARBER	State	KS.
		Legal Description	23-33-11				

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME				
Casing Size #	8 5/8" x 24'	Tubing Size		Shots/Ft	CMT -	Acid	300 SKS. 60/40 P02	RATE	PRESS	ISIP
Depth	307.80'	Depth		From	To	Pre Pad	@ 1.21 CUFT	Max		5 Min.
Volume	14.57 BBL	Volume		From	To	Pad		Min		10 Min.
Max Press	500	Max Press		From	To	Frac		Avg		15 Min.
Well Connection	P.C.	Annulus Vol.		From	To			HHP Used		Annulus Pressure
Plug Depth	288'	Packer Depth		From	To	Flush	18.5 BBL	Gas Volume		Total Load

Customer Representative	RON MOLZ	Station Manager	D. SCOTT	Treater	K. LESLEY
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Service Units	37586	19829	19843	19831	19862				
Driver Names	LESLEY	MARQUEZ		LAWRENCE					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00 PM	4-21-2012				ON LOCATION - SAFETY MEETING
11:20 PM					SPOT TRUCKS ON LOCATION
2:00 AM	4-22-2012				RUN JOBS. 8 5/8" x 24" CSG.
3:00 AM					CSG ON BOTTOM
3:15 AM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
3:16 AM	200		5	6	H2O AHEAD
3:22 AM	100		64	6	MIX 300 SKS. 60/40 P02 @ 14.8 PPG
3:28 AM					SHUT DOWN - DROP WOOD PLUG
3:25 AM	100		0	5	START DISPLACEMENT
3:28 AM	100		15	3	SLOW RATE
3:30 AM	150		18.5	2.5	PLUG @ DESIRED DEPTH
					CLOSE IN AT HEAD & MANIFOLD
					CIRC. THRU JOBS
					CIRC. 10 BBL TO PIT
					JOB COMPLETE,
					THANK YOU -
					KEVEN LESLEY
					& CREW



PAGE 1 of 1	CTCT NO 1000719	INVOICE DATE 05/01/2012
INVOICE NUMBER 1718 - 90894245		

Pratt (620) 672-1201
 B CHIEFTAIN OIL COMPANY
 I PO Box: 124
 L KIOWA
 L KS US 67070
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Houlton C 2
 O LOCATION
 B COUNTY Barber
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 E JOB CONTACT

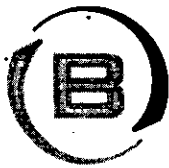
JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40458585	19843		Net - 30 days	05/31/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 04/30/2012 to 04/30/2012</i>				
0040458585				
171806259A Cement-New Well Casing/Pi 04/30/2012				
Cement 5 1/2" Longstring				
AA2 Cement	250.00	EA	13.43	3,357.41 T
C-41P	47.00	EA	3.16	148.52 T
Salt	1,238.00	EA	0.39	489.00 T
C-44	235.00	EA	4.07	956.08 T
FLA-322	188.00	EA	5.92	1,113.87 T
Gilsonite	1,250.00	EA	0.53	661.61 T
Mud Flush	500.00	EA	0.68	339.69 T
Super Flush II	500.00	EA	1.21	604.34 T
Claymax KCL Substitute	5.00	EA	27.65	138.25 T
"Latch Down Plug & Baffle, 5 1/2" (Blu	1.00	EA	315.99	315.99
"Auto Fill Float Shoe 5 1/2" (Blue)"	1.00	EA	284.39	284.39
"Turbolizer, 5 1/2" (Blue)"	7.00	EA	86.90	608.29
"5 1/2" Basket (Blue)"	2.00	EA	229.10	458.19
"Unit Mileage Chg (PU, cars one way)"	45.00	MI	3.36	151.08
Heavy Equipment Mileage	90.00	MI	5.53	497.69
"Proppant & Bulk Del. Chgs., per ton mil	529.00	EA	1.26	668.64
Depth Charge; 5001-6000'	1.00	EA	2,275.15	2,275.15
Blending & Mixing Service Charge	250.00	BAG	1.11	276.49
Plug Container Util. Chg.	1.00	EA	197.50	197.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	138.25	138.25

MAX 09 2012
 9/21/12

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	13,680.43
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	570.04
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	14,250.47
DALLAS, TX 75284-1903	MIDLAND, TX 79702		





BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 06259 A

DATE _____ TICKET NO. _____

DATE OF JOB 4-30-2012 DISTRICT PRATT, KS.		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:						
CUSTOMER CHIEFTAIN OIL CO., INC.		LEASE HOULTON 'C' WELL NO. 2						
ADDRESS		COUNTY BARBER STATE Ks.						
CITY STATE		SERVICE CREW LESLEY, MARQUEZ, LAWRENCE						
AUTHORIZED BY		JOB TYPE: CNW - 5 1/2" L.S.						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 4-30-11 DATE	AM	TIME
375816	5.5						PM	7:30
19829-19843	5.5					ARRIVED AT JOB	AM	10:00
19831-19862	5.5					START OPERATION	AM	11:00
						FINISH OPERATION	PM	4:30
						RELEASED	AM	5:15
						MILES FROM STATION TO WELL		45

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	AA2 CEMENT	SK	200		3,400.00
CP 105	AA2 CEMENT	SK	50		850.00
PC 105	C-41P	lb	47		188.00
CC 111	SALT	lb	1238		619.00
CC 115	C-44	lb	235		1,210.25
CC 129	FLA-322	lb	188		1,410.00
CC 201	GILSONITE	lb	1250		837.50
CF 607	LATCH DOWN PLUG & BAFFLE, 5 1/2"	EA	1		400.00
CF 1251	AUTO FILL FLOAT SHADE, 5 1/2"	EA	1		360.00
CF 11651	TURBOLIZER, 5 1/2"	EA	7		770.00
CF 1901	BASKET, 5 1/2"	EA	2		580.00
C 704	CLAYMAX - KCL SUB.	GAL	5		175.00
CC 151	MUD FLUSH	GAL	500		430.00
CC 155	SUPERFLUSH II	GAL	500		765.00
E 100	PICKUP MILEAGE	MI	45		191.25
E 101	HEAVY EQUIPMENT MILEAGE	MI	90		630.00
E 113	BULK DELIVERY CHARGE	TM	529		846.00
CE 206	DEPTH CHARGE: 5001'-10000'	HR	1-4		2,880.00
CE 240	BLENDED SERVICE CHARGE	SK	250		350.00
CE 504	PLUG CONTAINER CHARGE	DOB	1	250	250.00
S 003	CHEMICAL / ACID DATA: JUVILE SUPERVISOR	EA	1	175	175.00
				SUB TOTAL	13,680.00
SERVICE & EQUIPMENT				%TAX ON \$	
MATERIALS				%TAX ON \$	
TOTAL					

SERVICE REPRESENTATIVE	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer CHIEFTAIN OIL CO., INC	Lease No.	Date 4-30-2012
Lease HOLLISTON 'C'	Well # 2	
Field Order # 00259	Station PRATT, Ks.	Casing 5 1/2"
Type Job CNW-5 1/2" L.S.	Formation TD - 5021	Depth 5021'
		County BARBER
		State Ks.
		Legal Description 23-33-11

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2 x 15.5	Tubing Size	Shots/Ft	CMTI -	Acid 200 SKS AA-2 CEM.	RATE	PRESS	ISIP	
Depth 5073.56'	Depth	From	To	Pre Pad @ 1.43 CUFT³	Max		5 Min.	
Volume 120.75 BBL	Volume	From	To	Pad	Min	5J = 21.05'	10 Min.	
Max Press 1500	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 5052.51'	Packer Depth	From	To	Flush 100 BBL 20% KCL/H₂O	Gas Volume		Total Load	

Customer Representative RON MOLZ	Station Manager D. SCOTT	Treater K. LESLEY
Service Units 37586 19889 19843 19831 19862		
Driver Names LESLEY MARQUEZ LAWRENCE		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00 AM					ON LOCATION - SAFETY MEETING
11:00 AM					RUN 121 JTS. 5 1/2" x 15.5" CSG.
					TURBO. - 4, 6, 11, 13, 15, 16, 17
					BASK. - 2, 9
12:40 PM					CIRC. FOR 30 MIN. 1/2 WAY IN HOLE
2:25 PM					CSG. ON BOTTOM -
2:30 PM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
3:45 PM	400		12	6	MUD FLUSH
3:50 PM	400		3	6	H ₂ O SPACER
3:53 PM	400		12	6	SUPER FLUSH
3:55 PM	400		3	6	H ₂ O SPACER
3:57 PM	300		51 ^{total}	6	MIX 200 SKS. AA-2 @ 15.0 PPG
4:05 PM					CLEAR PUMP & LINE / DROP L.D. PLUG
4:10 PM	0		0	7	START DISPLACEMENT
4:23 PM	500		83	6	LIFT PRESSURE
4:28 PM	800		110	5	SLOW RATE
4:30 PM	1500		120	4	PLUG DOWN - HELD
					CIRC. THRU JOB
					PLUG R.H. & M.H.
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chieftain Oil Co

23-33S-11W

PO Box 124
Kiowa, KS 67070

Houlton C 2

Job Ticket: 47488

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2012.04.28 @ 06:00:15

GENERAL INFORMATION:

Formation: **Misner**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:11:45

Time Test Ended: 14:03:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 45

Interval: 4815.00 ft (KB) To 4840.00 ft (KB) (TVD)

Reference Elevations: 1483.00 ft (KB)

Total Depth: 4840.00 ft (KB) (TVD)

1475.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 28.75 psig @ 4816.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.28

End Date:

2012.04.28

Last Calib.:

2012.04.28

Start Time: 06:00:16

End Time:

14:03:30

Time On Btm:

2012.04.28 @ 08:09:15

Time Off Btm:

2012.04.28 @ 11:59:45

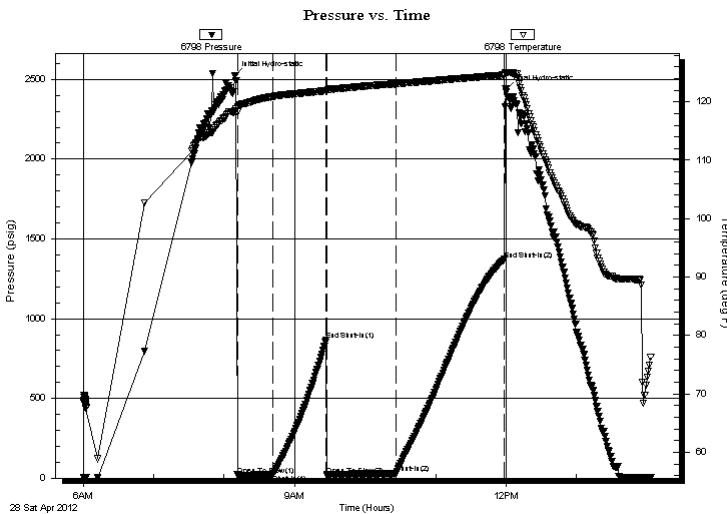
TEST COMMENT: IF: Fair Blow, BOB in 15 minutes

IS: No Blow Back

FF: Strong Blow, BOB in 1 minute

FS: No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2524.83	118.41	Initial Hydro-static
3	15.58	119.11	Open To Flow (1)
33	23.73	120.92	Shut-In(1)
78	863.81	121.90	End Shut-In(1)
79	17.95	121.87	Open To Flow (2)
138	28.75	123.05	Shut-In(2)
229	1370.78	124.57	End Shut-In(2)
231	2438.57	125.00	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
0.00	1100 GIP	0.00
20.00	SOCM 1%O 99%M	0.10

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chieftain Oil Co

23-33S-11W

PO Box 124
Kiowa, KS 67070

Houlton C 2

Job Ticket: 47488

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2012.04.28 @ 06:00:15

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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1100 GIP	0.000
20.00	SOCM 1%O 99%M	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

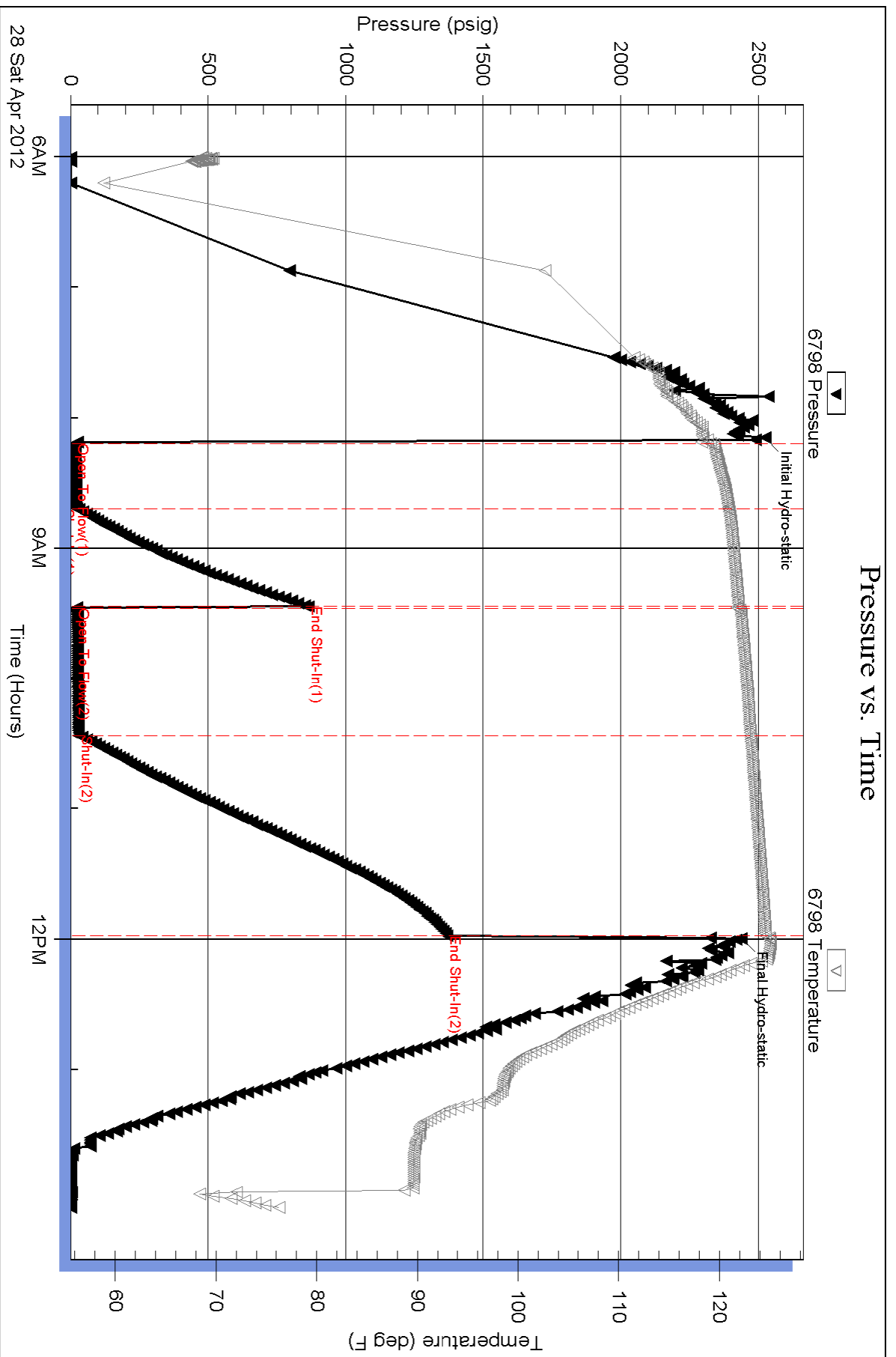
Serial #: 6798

Inside

Chieftain Oil Co

Houlton C2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47488

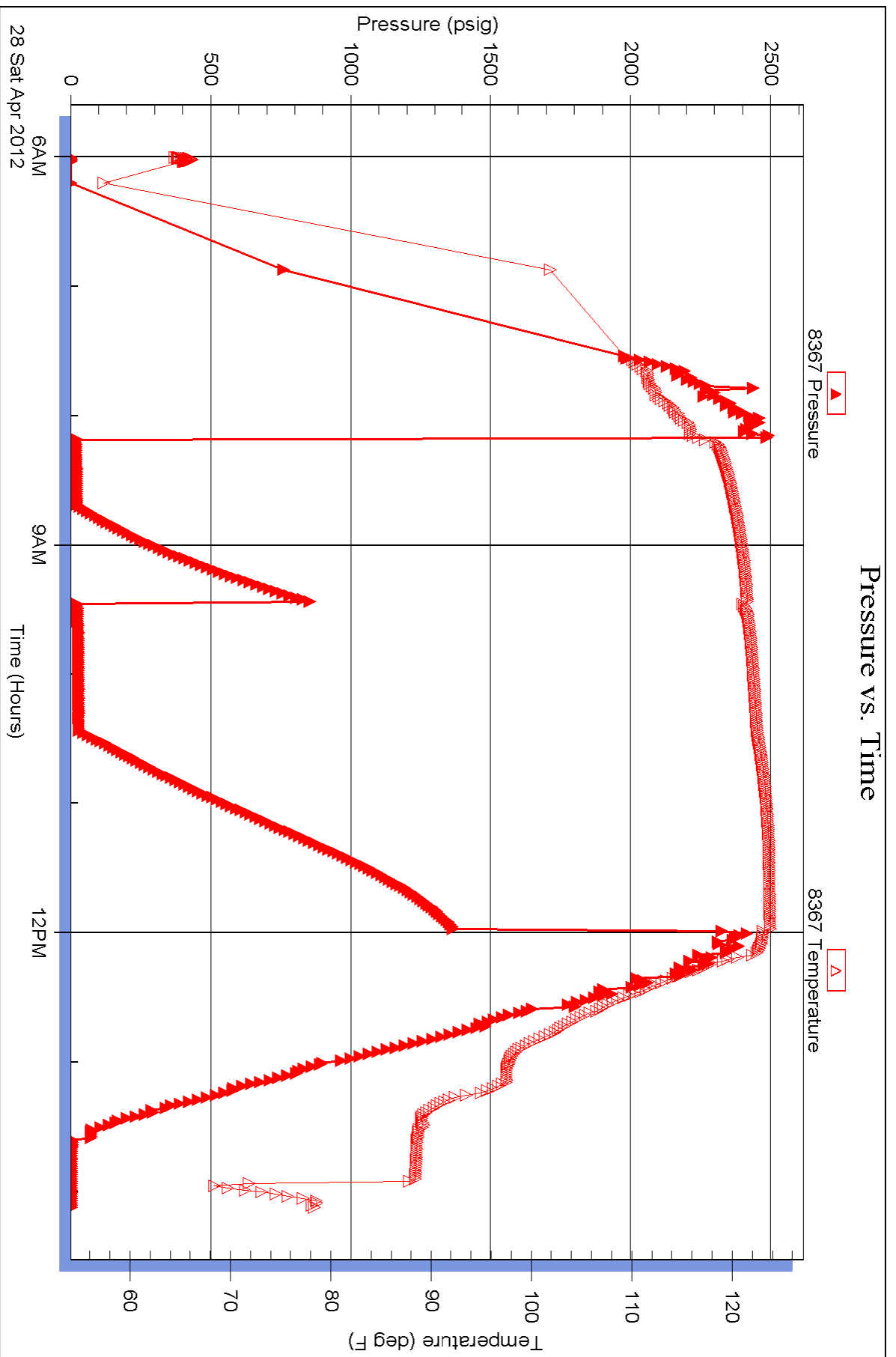
Printed: 2012.04.29 @ 09:28:50

Serial #: 8367

Outside Chieftain Oil Co

Houlton C 2

DST Test Number: 1



Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 17, 2012

Ron Molz
Chieftain Oil Co., Inc.
101 S. 5th St.; PO Box 124
KIOWA, KS 67070-1912

Re: ACO1
API 15-007-23867-00-00
Houlton C 2
SW/4 Sec.23-33S-11W
Barber County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Ron Molz