

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33235
Name: Chieftain Oil Co., Inc
Address 1: PO Box 124
Address 2:
City: Kiowa State: KS Zip: 67070
Contact Person: Ron Molz
Phone: (620) 825-4030
CONTRACTOR: License # 33843
Name: Terra Drilling, LLC
Wellsite Geologist: Arden Ratzlaff
Purchaser: American Pipeline
Designate Type of Completion:
[checked] New Well [ ] Re-Entry [ ] Workover
[checked] Oil [ ] SWD [ ] S1OW
[checked] Gas [ ] ENHR [ ] SIGW
[ ] CM (Coal Bed Methane) [ ] Temp. Abd.
[ ] Dry [ ] Other
(Core, WSW, Expl., Cathodic, 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: Plug Back Total Depth
[ ] Commingled Docket No.:
[ ] Dual Completion Docket No.:
[ ] Other (SWD or Enhr.?) Docket No.:
05/15/2009 05/24/2009 06/25/2009
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 007-23407-0000
Spot Description:
NE SW SE Sec. 12 Twp. 33 S. R. 11 [ ] East [checked] West
340 Feet from [checked] North / [ ] South Line of Section
2300 Feet from [ ] East / [checked] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [ ] SW
County: Barber
Lease Name: Sisters A Well #: 2
Field Name: Rhodes
Producing Formation: Mississippi
Elevation: Ground: 1529 Kelly Bushing: 1541
Total Depth: 5126 Plug Back Total Depth: 5078
Amount of Surface Pipe Set and Cemented at: 318 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [checked] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 10000 ppm Fluid volume: 1200 bbls
Dewatering method used: Haul Off
Location of fluid disposal if hauled offsite:
Operator Name: Molz Oil Co., Inc.
Lease Name: Garner SWD License No.: 6006
Quarter NE Sec. 11 Twp. 33S S. R. 10 [ ] East [checked] West
County: Barber Docket No.:

Handwritten note: A14-Dlg - 2/5/10

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Handwritten Signature]
Title: Secretary Date: 1/27/2010
Subscribed and sworn to before me this 27 day of January, 2010.
Notary Public: Amanda Corr
Date Commission Expires: 4/11/2011

NOTARY PUBLIC - State of Kansas
AMANDA CORR
My Appt. Expires 4/11/2011

KCC Office Use ONLY
N Letter of Confidentiality Received
[checked] If Denied, Yes [ ] Date:
[checked] Wireline Log Received
[ ] Geologist Report Received
[ ] UIC Distribution

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Operator Name: Chieftain Oil Co., Inc Lease Name: Sisters A Well #: 2  
 Sec. 12 Twp. 33 S. R. 11  East  West County: Barber

**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 copy of all Electric Wireline 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 checked="" type="checkbox"/> Yes <input 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 <i>(Submit Copy)</i>  List All E. Logs Run: Gamma Ray Dual Induction Compensated Neutron Density Geologic Sonic Bond	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>3648</td> <td>-2107</td> </tr> <tr> <td>Base Kansas City</td> <td>4367</td> <td>-2826</td> </tr> <tr> <td>Cherokee</td> <td>4525</td> <td>-2984</td> </tr> <tr> <td>Mississippian</td> <td>4541</td> <td>-3000</td> </tr> <tr> <td>Viola</td> <td>4895</td> <td>-3354</td> </tr> <tr> <td>Simpson Sand</td> <td>5005</td> <td>-3464</td> </tr> <tr> <td>Total Depth</td> <td>5126</td> <td>-3585</td> </tr> </table>	Name	Top	Datum	Heebner	3648	-2107	Base Kansas City	4367	-2826	Cherokee	4525	-2984	Mississippian	4541	-3000	Viola	4895	-3354	Simpson Sand	5005	-3464	Total Depth	5126	-3585
Name	Top	Datum																							
Heebner	3648	-2107																							
Base Kansas City	4367	-2826																							
Cherokee	4525	-2984																							
Mississippian	4541	-3000																							
Viola	4895	-3354																							
Simpson Sand	5005	-3464																							
Total Depth	5126	-3585																							

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	10-3/4	8-5/8	24#	318	60/40 Poz	275	2% Salt
Production	7-7/8	5-1/2	15.5#	5109	Common	200	2% Salt Gas Block

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				

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
4	4540-4552	1000 Gal 7-1/2% Acid	4540-4566
4	4558-4566	1500 Gal 15% Acid	4540-4566
		Frac 170000# Sand	4540-4566
		7000 BBLS Slick Water	4540-4566

TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4625</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>01/10/10</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. <u>50</u>	Gas Mcf <u>100</u>	Water Bbls. <u>200</u> Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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PAGE 1 of 1	CUIT NO 1000719	INVOICE DATE 05/18/2009
INVOICE NUMBER 1718 - 90027451		

Pratt (620) 672-1201

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

B CHIEFTAIN OIL COMPANY  
 I PO Box: 124  
 L KIOWA  
 L KS US 67070  
 T  
 O ATTN:

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40033705	20920-0		Net - 30 days	06/17/2009	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<b>For Service Dates: 05/16/2009 to 05/16/2009</b>					
0040033705					
171800165A Cement-New Well Casing/Pi 05/16/2009					
Cement		275.00	EA	5.40	1,485.00 T
60/40 POZ		68.00	EA	1.67	113.22 T
Additives		711.00	EA	0.47	335.95 T
Cello-flake		1.00	EA	72.00	72.00
Calcium Chloride		90.00	MI	3.15	283.50
Cement Float Equipment		533.00	MI	0.72	383.76
Wooden Cement Plug		275.00	MI	0.63	173.25
Mileage		45.00	HR	1.91	86.06
Heavy Equipment Mileage		1.00	EA	450.00	450.00
Mileage		1.00	EA	112.50	112.50
Proppant & Bulk Delivery Charges		1.00	HR	78.75	78.75
Mileage					
Blending & Mixing Service Charge					
Pickup					
Unit Mileage Charge					
Depth Charge					
Depth Charge; 0-500'					
Cementing Head w/Manifold					
Plug Container Utilization Charge					
Supervisor					

**ER**  
 912184

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PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	3,573.99
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	121.85
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	3,695.84
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



Customer <b>Chickasha Oil</b>	Lease No.	Date <b>5-11-01</b>
Lease <b>Sisters</b>	Well # <b>A-2</b>	
Field Order # <b>1780164</b>	Station <b>P12H</b>	Casing <b>8 1/2</b>
		Depth <b>318</b>
Type Job <b>CNW-2 7/8</b>	Formation	County <b>Wichita</b>
		State <b>KS</b>
		Legal Description <b>12-3-11</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>8 7/8</b>	Tubing Size	Shots/Ft	<b>275</b>	Acid <b>14% HCl</b>		RATE	PRESS	ISIP
Depth <b>318</b>	Depth	From	To <b>200</b>	Pre Pad		Max		5 Min.
Volume <b>20.7</b>	Volume	From	To <b>300</b>	Pad		Min		10 Min.
Max Press	Max Press	From	To <b>4 1/2</b>	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth <b>303</b>	Packer Depth	From	To	Flush <b>19.7</b>		Gas Volume		Total Load

Customer Representative <b>Joe</b>	Station Manager <b>Dave Scott</b>	Treater <b>Steve Williams</b>
------------------------------------	-----------------------------------	-------------------------------

Service Units <b>27283</b>	<b>19959</b>	<b>20900</b>	<b>17832</b>	<b>21610</b>				
Driver Names <b>Wick</b>	<b>Shelds</b>	<b>1</b>	<b>1</b>	<b>1</b>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<b>8:00 AM</b>					On location - Sisters, Mo.
					Run 8 7/8 2 1/8 casing
					Casing on pull
					Hook up to casing for new w/p
<b>11:30</b>	<b>200</b>		<b>3</b>	<b>5</b>	11:30 AM
<b>12:31</b>	<b>150</b>		<b>61</b>	<b>5</b>	mix 275 gal 60/40 pad = 14 7/8 gal
					Start Pump - Rate 5 gpm
<b>12:58</b>	<b>200</b>		<b>11</b>	<b>5</b>	Start 11:30 Pump
<b>1:00 PM</b>	<b>200</b>		<b>19</b>	<b>5</b>	Concent to 275
					Plug Pump
					Calculate thru job
					Calculate 8 bbl cement to pit
					Job Complete
					Thank Steve

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PAGE 1 of 2	CURT NO 1000719	INVOICE DATE 05/27/2009
INVOICE NUMBER 1718 - 90035062		

Pratt (620) 672-1201

B CHIEFTAIN OIL COMPANY  
I PO Box: 124  
L KIOWA  
L KS US 67070  
T  
O ATTN:

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

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE
40038514	27463-0			Net - 30 days	06/26/2009
<b>For Service Dates: 05/25/2009 to 05/25/2009</b>		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
0040038514					
171800167A Cement-New Well Casing/Pi 05/25/2009					
Cement		200.00	EA	9.35	1,870.00 T
AA2 Cement					
Cement		25.00	EA	6.60	165.00 T
60/40 POZ					
Additives		38.00	EA	2.20	83.60 T
De-foamer(powder)					
Additives		1,038.00	EA	0.28	285.45 T
Salt(fine)					
Additives		188.00	EA	2.83	532.51 T
Gas-Blok					
Additives		149.00	EA	4.12	614.62 T
FLA-322					
Additives		1,000.00	EA	0.37	368.50 T
Gilsonite					
Additives		5.00	EA	24.20	121.00 T
CC-1, KCl Substitute					
Additives		500.00	EA	0.47	236.50 T
Mud Flush					
Additives		500.00	EA	0.84	420.75 T
Super Flush II					
Cement Float Equipment		1.00	EA	220.00	220.00
Latch Down Plug & Baffle, 5 1/2" (blue)					
Cement Float Equipment		1.00	EA	198.00	198.00
Auto Fill Flat Shoe 5 1/2" (blue)					
Cement Float Equipment		7.00	EA	60.50	423.50
Turbolizer, 5 1/2" (blue)					
Cement Float Equipment		2.00	EA	159.50	319.00
5 1/2" Basket(blue)					
Mileage		90.00	MI	3.85	346.50
Heavy Equipment Mileage					
Mileage		473.00	MI	0.88	416.24

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PAGE 2 of 2	INVOICE NO 1000719	INVOICE DATE 05/27/2009
INVOICE NUMBER 1718 - 90035062		

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

J LEASE NAME Sisters A 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
40038514	27463-0		Net - 30 days	06/26/2009

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Proppant and Bulk Delivery Charge				
Mileage	225.00	MI	0.77	173.25
Blending & Misning Service Charge				
Pickup	45.00	HR	2.34	105.19
Unit Mileage Chrg-Pickups, Vans & Cars				
Cementing Head w/Manifold	1.00	EA	137.50	137.50
Plug Container Utilization Charge				
Pump Charge-Hourly	1.00	HR	1,584.00	1,584.00
Depth Charge; 5001'-6000'				
Supervisor	1.00	HR	96.25	96.25
Service Supervisor				

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PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	8,717.36
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	295.97
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	9,013.33
DALLAS, TX 75284-1903	MIDLAND, TX 79702		

# BASIC<sup>SM</sup>

ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

## FIELD SERVICE TICKET

1718 0167 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 5-25-09 DISTRICT: Pratt		NEW WELL <input type="checkbox"/> OLD WELL <input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:								
CUSTOMER: Chieflain Oil		LEASE: Sisters A WELL NO. 2								
ADDRESS:		COUNTY: Barber STATE: KS								
CITY: STATE:		SERVICE CREW: Deland, Lasky, Pkye								
AUTHORIZED BY:		JOB TYPE: CNW - 5/2 L.S.								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
27283	1						5-25-09			3:30
27463	1									6:00
19826-19860	1									3:12
										4:00
										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: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
PCP105	AA2 Cement		200sks		3400.00	
PCP103	60/40 Poz		25sks		300.00	
PC105	Defoamer		38lb		152.00	
PC111	Salt		1038lb		517.00	
PC115	Gas Pldk		188lb		968.20	
PC129	FLA 322		149lb		1117.50	
PC201	Gilsonite		1000lb		670.00	
PC706	CC-1		5gal		220.00	
PC151	Mudflush		500gal		430.00	
PC155	Superflush II		500gal		765.00	
PC1607	Latch Down Plug + Raffle 5/8"		1ea		400.00	
PC1251	Auto Sill Float Shoe 5/2"		1ea		360.00	
PC1651	Turbolizer 5/2"		1ea		270.00	
PC1901	Basket 5/2"		2ea		580.00	
PE101	Heavy Equipment Mileage		90m.		630.00	
PE113	Bulk Delivery		473tn		756.80	
PE100	Pickup Mileage		45m.		191.25	
PC240	Cement Service Charge		225sk		315.00	
PC503	Service Supervisor		1ea		175.00	
PC504	Depth Charge 5000' Good		1ea		280.00	
PC504	Plus Contingency		1ea		250.00	
					SUB TOTAL	8717.36
CHEMICAL / ACID DATA:						
SERVICE & EQUIPMENT					% TAX ON \$	
MATERIALS					% TAX ON \$	
					TOTAL	

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SERVICE REPRESENTATIVE: Steve O. [Signature]  
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. \_\_\_\_\_



Customer C. H. F. W. CO.		Lease No.		Date	
Lease 12345		Well #		5-15-1	
Field Order #	Station D. H. F.	Casing 4 1/2	Depth	County	State
Type Job NL - 5 1/2 L.S.	Formation		Legal Description		

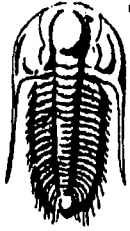
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft	2000	Acid	1 1/2	RATE	PRESS	ISIP
Depth	Depth	From	To 2000	Pre Pad	60/100	Max		5 Min.
Volume	Volume	From	To	Pad	1 1/2	Min		10 Min.
Max Press 1500	Max Press	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	121.5 bbl	Gas Volume		Total Load

Customer Representative			Station Manager D. H. F.			Treater T. H. F.		
Service Units	774	774	774	774	774			
Driver Names	C. H. F.	C. H. F.	C. H. F.	C. H. F.	C. H. F.			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:00	1100				Start treatment at 6:00 AM
					4:10 15 11-16 17
					Prepad 2:10 10 124 1 50 155 10
					Check for yellow 1.1. 500.
					Check on bottom back 4 crew/4.
3:12	400		10	6	Mod 5/100
3:15	400		5	6	1100
3:16	350		12	6	Superflow II
3:17	350		3	6	1100
3:20	300		51	6	M. + 2000 lbs APD @ 15"/100
					Spot Dow. (check pump time)
					Relieve plug
3:40	10		0	7	Start 1100 @ 1000 psi well
3:50	300		80	5	1.5 ft press.
3:52	600		90	4	Slow Rate
4:00	1500		121		plug down - 11.1d
					Check on this job
					plug 11/11 @ 2000 psi (check)
					Carl. to pit
					Job complete
					Thank you

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**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Chieftain Oil Co. Inc.

Sisters A#2

605 S.6th  
PO Box 124  
Kiowa KS67070

12-33s-11w Barber Ks

Job Ticket: 35063

DST#: 1

ATTN: Arden Ratzlaff

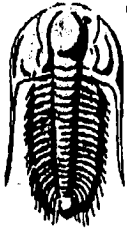
Test Start: 2009.05.24 @ 15:02:14

### Tool Information

Drill Pipe:	Length: 4858.00 ft	Diameter: 3.80 inches	Volume: 68.14 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 68.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	4870.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	4897.00 ft			
Interval between Packers:	27.00 ft			
Tool Length:	279.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4848.00	
Shut In Tool	5.00			4853.00	
Hydraulic tool	5.00			4858.00	
Safety Joint	3.00			4861.00	
Packer	4.00			4865.00	23.00 Bottom Of Top Packer
Packer	5.00		Inside	4870.00	
Stubb	1.00			4871.00	
Recorder	0.00	8167	Inside	4871.00	
Perforations	22.00			4893.00	
Recorder	0.00	11019	Outside	4893.00	
Blank Off Sub	1.00			4894.00	
top of s packer	3.00			4897.00	27.00 Tool Interval
Packer	0.00			4897.00	
Stubb	1.00			4898.00	
Recorder	0.00	8370	Below	4898.00	
Change Over Sub	1.00			4899.00	
Blank Spacing	221.00			5120.00	
Change Over Sub	1.00			5121.00	
Bullnose	5.00			5126.00	229.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>279.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Chieftain Oil Co. Inc.

**Sisters A#2**

605 S.6th  
PO Box 124  
Kiowa KS67070  
ATTN: Arden Ratzlaff

**12-33s-11w Barber Ks**

Job Ticket: 35063      **DST#: 1**

Test Start: 2009.05.24 @ 15:02:14

**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:	71000 ppm
Viscosity: 78.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 0.20 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
50.00	MW 31% m 69% w	0.701

Total Length: 50.00 ft      Total Volume: 0.701 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments: Rw .11 ohms@71 deg = 71000 chlorides

RECEIVED  
JAN 28 2010  
KCC WICHITA