



KANSAS CORPORATION COMMISSION 1065681
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 # 33235
Name: Chieftain Oil Co., Inc.
Address 1: 605 S. 6th; PO Box 124
Address 2: _____
City: KIOWA State: KS Zip: 67070 + 1912
Contact Person: Ron Molz
Phone: (620) 825-4030
CONTRACTOR: License # 33902
Name: Hardt Drilling LLC
Wellsite Geologist: Arden Ratzlaff
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 #: _____

<u>3/17/2011</u>	<u>3/30/2011</u>	<u>4/26/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-23657-00-00

Spot Description: _____
NE SW SW SW Sec. 6 Twp. 35 S. R. 11 East West
340 Feet from North / South Line of Section
340 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Barber
Lease Name: Big Chief Well #: 2
Field Name: Stranathan
Producing Formation: Mississippi
Elevation: Ground: 1394 Kelly Bushing: 1404
Total Depth: 5300 Plug Back Total Depth: 5260
Amount of Surface Pipe Set and Cemented at: 331 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: 10000 ppm Fluid volume: 1200 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite: _____
Operator Name: Chieftain Oil Co., Inc.
Lease Name: Gamer SWD License #: 33235
Quarter NE Sec. 11 Twp. 33 S. R. 10 East West
County: Barber Permit #: D-28-060

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 Gerrits Date: 10/21/2011



1065681

Operator Name: Chieftain Oil Co., Inc. Lease Name: Big Chief Well #: 2
 Sec. 6 Twp. 35 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 complete 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 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 type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
---	---

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	10.75	8.625	24	331	60/40 Poz	355	2% Salt
Production	7.875	5.5	15.5	5296	Common	225	Gas Block 2% Salt

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
4	4816-26 4826-36	1000 Gal 7-1/2% Acid	4816-74
2	4840-50 4850-60 4864-74	1500 Gal 15% Acid	4816-74
		Frac 500,000# Sand	4816-74
		30,000 BBLs Slick Water	

TUBING RECORD:	Size: <u>2-7/8</u>	Set At: <u>4900</u>	Packer At: <u> </u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
----------------	--------------------	---------------------	---------------------	--

Date of First, Resumed Production, SWD or ENHR: <u>6/1/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u> </u>
--	---

Estimated Production Per 24 Hours	Oil Bbls. <u>50</u>	Gas Mcf <u>125</u>	Water Bbls. <u>200</u>	Gas-Oil Ratio <u> </u>	Gravity <u> </u>
-----------------------------------	---------------------	--------------------	------------------------	------------------------	------------------

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 <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u> </u> <u> </u>
--	---	--

Form	ACO1 - Well Completion
Operator	Chieftain Oil Co., Inc.
Well Name	Big Chief 2
Doc ID	1065681

All Electric Logs Run

Sector Bond / Gamma Ray CCL Log
Compensated Density / Neutron PE Log
Dual Induction Log
Geological Log

Form	ACO1 - Well Completion
Operator	Chieftain Oil Co., Inc.
Well Name	Big Chief 2
Doc ID	1065681

Tops

Heebner	3829	-2425
Lansing	4370	-2966
Cherokee	4747	-3343
Mississippian	4814	-3410
Kinderhook	5049	-3645
Chattanooga	5130	-3726
Misener	5153	-3749
Maquoketa	5160	-3756
Viola	5210	-3807
Total Depth	5300	-3896



PAGE 1 of 1	CONTRACT NO 1000719	INVOICE DATE 03/18/2011
INVOICE NUMBER 1718 - 90549441		

Pratt (620) 672-1201
 CHIEFTAIN OIL COMPANY
 PO Box: 124
 KIOWA.
 KS US 67070
 ATTN:

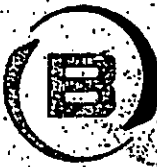
J LEASE NAME Big Chief 2
 O LOCATION
 B COUNTY Barber
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40297255	19905		Net - 30 days	04/17/2011

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 03/17/2011 to 03/17/2011</i>				
0040297255				
171803419A Cement-New Well Casing/Pi 03/17/2011 13 3/8" Conductor				
60/40 POZ	355.00	EA	9.00	3,194.99 T
Cello-flake	89.00	EA	2.78	246.98 T
Calcium Chloride	918.00	EA	0.79	722.93 T
Unit Mileage Charge-Pickups, Vans & Cars	50.00	HR	3.19	159.38
Heavy Equipment Mileage	100.00	MI	5.25	525.00
Proppant and Bulk Delivery Charges	765.00	MI	1.20	918.00
Depth Charge 0-500'	1.00	HR	750.00	750.00
Blending & Mixing Service Charge	355.00	MI	1.05	372.75
Supervisor	1.00	HR	131.25	131.25

ENTERED
 MAR 21 2011
 912/BC

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	7,021.28
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	304.04
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	7,325.32
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 03419 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>3-17-11</u> DISTRICT <u>PRA-TT KS</u>		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 <u>Chertain Oil</u>		LEASE <u>Big Chief</u> WELL NO. <u>2</u>						
ADDRESS _____		COUNTY <u>BARBER</u> STATE <u>KS</u>						
CITY _____ STATE _____		SERVICE CREW <u>Scott Huns, Metal, McGran</u>						
AUTHORIZED BY _____		JOB TYPE <u>CW 13 3/8 CWA</u>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME
<u>19903-19905</u>	<u>35 m</u>					<u>3-17-11</u>	<u>3-17-11</u>	<u>5:00</u>
<u>19x26-19x60</u>	<u>35 m</u>							<u>6:30</u>
<u>19866</u>								<u>10:55</u>
								<u>11:30</u>
								<u>12:00</u>
MILES FROM STATION TO WELL <u>50</u>								

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: Scott C. Adelman
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF. NO.	MATERIAL EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	60/40 p02 cont	SK	355		4260.60
CC 102	collate	lb	89		329.30
CC 109	Calcium chloride	lb	918		963.90
E 100	Dickup mix	m	50		212.50
E 101	Heavy Eggst mix	m	100		700.00
E 113	Bank Pump	m	765		1,224.00
CE 200	Depth charge 0-500	TA	1		1,000.00
CE 240	Blending mix	SK	355		497.80
SO 3	Secum/Supervise	TA	1		175.00

SUB TOTAL

CHEMICAL / ACID DATA:			

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

TOTAL 16,702.28

SERVICE REPRESENTATIVE Robert J. Huns
FIELD SERVICE ORDER NO. _____

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Scott C. Adelman
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASIC

energy services, L.P.

TREATMENT REPORT

Customer: <u>Chickam Oil</u>	Lease No.:	Date: <u>3-17-11</u>
Lease: <u>Big Chief</u>	Well # <u>2</u>	
Field Order # <u>3979</u>	Station	Casing: <u>13 3/8</u>
		Depth: <u>331'</u>
Type Job: <u>CNW 13 3/8 cond.</u>	Formation	County: <u>BARBER</u>
		State: <u>KS</u>
		Legal Description: <u>6-35-11</u>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<u>13 3/8</u>								
Depth: <u>331</u>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume: <u>48 1/2</u>	Volume	From	To	Pad	Min		10 Min.	
Max Press: <u>500</u>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection: <u>2 1/2"</u>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth: <u>311</u>	Packer Depth	From	To	Flush	Gas Volume		Total Load:	

Customer Representative	Station Manager: <u>DAVE SCOTT</u>	Treater: <u>Robert Jullion</u>
-------------------------	------------------------------------	--------------------------------

Service Units	<u>19866</u>	<u>19903</u>	<u>19905</u>	<u>19826</u>	<u>19860</u>				
Driver Names	<u>Sullivan</u>	<u>Meter</u>		<u>M. Megaw</u>	<u>Burgoyne</u>				

Time	Casing Pressure	Tubing Pressure	Ebbs Pumped	Rate	Service Log
<u>0700</u>					<u>on loc softy m. day</u>
					<u>Run 83 ITS 13 3/8 CS</u>
<u>10:40 AM</u>					<u>CASING ON BOTTOM</u>
<u>10:45</u>					<u>Hook Up TO CIR.</u>
<u>10:55</u>			<u>3</u>	<u>3</u>	<u>M SPACER</u>
			<u>76</u>	<u>5</u>	<u>M mix cmt 355 sk 60/40 p 2</u>
				<u>5</u>	<u>st Disp</u>
<u>11:30 AM</u>	<u>300</u>	<u>48 1/2</u>			<u>plug down</u>
					<u>circulated 15 BBL cmt TO PIT</u>
					<u>SOB complete</u>
					<u>Thank you</u>



PAGE 1 of 1	CHART NO 1000719	INVOICE DATE 04/01/2011
INVOICE NUMBER 1718 - 90562354		

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

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

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40303029	19905		Net - 30 days	05/01/2011

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 03/31/2011 to 03/31/2011</i>				
0040303029				
ENTERED APR 03 2011 912186				
171803860A Cement-New Well Casing/Pi 03/31/2011 Longstring				
AA2 Cement	255.00	EA	12.75	3,251.24 T
De-foamer (Powder)	48.00	EA	3.00	144.00 T
Salt (Fine)	1,264.00	EA	0.38	474.00 T
Gas-Blok	240.00	EA	3.86	927.00 T
FLA-322	192.00	EA	5.63	1,080.00 T
Gilsonite	1,275.00	EA	0.50	640.69 T
CS-1L KCL Substitute	5.00	EA	26.25	131.25 T
Mud Flush	500.00	EA	0.65	322.50 T
Super Flush II	500.00	EA	1.15	573.75 T
Latch Down Plug & Baffle 5 1/2" (Blue)	1.00	EA	300.00	300.00
Auto Fill Float Shoe 5 1/2" (Blue)	1.00	EA	270.00	270.00
Turbolizer 5 1/2" (Blue)	7.00	EA	82.50	577.50
5 1/2" Basket (Blue)	2.00	EA	217.50	435.00
Unit Mileage Charge-Pickups, Vans & Cars	50.00	HR	3.19	159.38
Heavy Equipment Mileage	100.00	MI	5.25	525.00
Proppant and Bulk Delivery Charges	600.00	MI	1.20	720.00
Depth Charge: 5001-6000'	1.00	HR	2,160.00	2,160.00
Blending & Mixing Service Charge	255.00	MI	1.05	267.75
Plug Container Utilization Charge	1.00	EA	187.50	187.50
Supervisor	1.00	HR	131.25	131.25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	13,277.81
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	550.74
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	13,828.55
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 03860 A

6-355-11W

DATE _____ TICKET NO. _____

DATE OF JOB 3-31-11		DISTRICT Pratt, Kansas		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 Company, Incorporated				LEASE Big Chief				WELL NO. 2	
ADDRESS				COUNTY Barber		STATE Kansas			
CITY		STATE		SERVICE CREW C. Messick, M. Mattal, M. McGraw					
AUTHORIZED BY				JOB TYPE C. U. W. - Longstring					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED		DATE	TIME
37,216	1							3-31-11	5:30
						ARRIVED AT JOB			8:45
						START OPERATION			3:00
19,903-19,905	1					FINISH OPERATION			4:00
						RELEASED		3-31-11	4:15
19,826-19,860	1					MILES FROM STATION TO WELL			50

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	AA 2 Cement	sk	255		4,335.00
CC 105	Defoamer	Lb	48		192.00
CC 111	Salt (Fine)	Lb	1264		632.00
CC 115	Gas Blot	Lb	240		1,236.00
CC 129	FLA-322	Lb	192		1,440.00
CC 201	Gilsonite	Lb	1275		854.25
CF 607	Latch Down Plug and Baffle, 5 1/2"	ea	1		400.00
CF 1251	Auto Fill Float Shoe, 5 1/2"	ea	1		360.00
CF 1651	Turbolizer, 5 1/2"	ea	7		770.00
CF 1901	Basket, 5 1/2"	ea	2		580.00
C 704	CS-1L, kcal	Gal	5		175.00
CC 151	Mud Flush	Gal	500		430.00
CC 155	Super Flush II	Gal	500		765.00

CHEMICAL / ACID DATA:			

SUB TOTAL
DCS

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

SERVICE REPRESENTATIVE <i>Ernest R. Messick</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
---	---

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

6-355-11W

FIELD SERVICE TICKET

1718 ~~03861~~ A

Continuation

DATE _____ TICKET NO. **3260**

DATE OF JOB: 3-31-11	DISTRICT: _____	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 Company, Incorporated				LEASE: Big Chief		WELL NO. 2			
ADDRESS: _____				COUNTY: Barber		STATE: Kansas			
CITY: _____ STATE: _____				SERVICE CREW: C. Messick, M. Mattal, M. McGraw					
AUTHORIZED BY: _____				JOB TYPE: C. N/W - Longstring					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
						ARRIVED AT JOB		AM	PM
						START OPERATION		AM	PM
						FINISH OPERATION		AM	PM
						RELEASED		AM	PM
						MILES FROM STATION TO WELL			

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
E 100	Pickup Mileage	mi.	50		\$ 212 50
E 101	Heavy Equipment Mileage	mi.	100		\$ 700 00
E 113	Bulk Delivery	tm.	600		\$ 960 00
CE 206	Cement Pump: 5,001 Feet To 6,000 Feet	hrs.	4		\$ 2,880 00
CE 240	Blending and Mixing Service	hr.	2.55		\$ 357 00
CE 504	Plug Container	Job	1		\$ 250 00
5003	Service Supervisor	hrs.	8		\$ 175 00

CHEMICAL / ACID DATA:			

SUB TOTAL **DLS \$13,277.81**

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

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

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer: Chiefman Oil Company, Incorporated Lease No. _____ Date: 3-31-11
 Lease: Big Chief Well #: 2
 Field Order #: 3860 Station: Pratt, Kansas Casing: 5 1/2 15.5 lb Depth: 5299 feet County: Barber State: Kansas
 Type Job: C.N.W. - Long string Formation: _____ Legal Description: 6-355-11W

PIPE DATA		PERFORATING DATA		MATERIALS USED		TREATMENT RESUME	
Casing Size: <u>5 1/2 15.5 lb</u>	Tubing Size: <u>6 1/2</u>	Shots/Ft: <u>225</u>	From: _____	AA 2 with <u>88 FLN</u>	Rate: <u>322</u>	Pressure: <u>280</u>	ISIP: <u>foamer</u>
Depth: <u>5299 feet</u>	Depth: _____	From: _____	To: _____	<u>18 Gas Bit, 108 Salt, 5 Lb/st. Gilsomite</u>	Min: _____	Avg: _____	5 Min.
Volume: <u>26.1 Bbl</u>	Volume: _____	From: _____	To: _____	<u>5.94 Gal./st. 1.43 C.U.F.T./st.</u>	HPH Used: _____	Gas Volume: _____	10 Min.
Max Press: <u>400 PSI</u>	Max Press: _____	From: _____	To: _____	Flush: <u>125.6 Bbl 28 ft</u>	Annulus Pressure: _____	Total Load: _____	15 Min.
Well Connection: <u>Plug Container</u>	Annulus Vol: _____	From: _____	To: _____	30 sacks of above blend	to plug Rat Hole		
Plug Depth: <u>5276 feet</u>	Packer Depth: _____	From: _____	To: _____				

Customer Representative: Ron Molz Station Manager: David Scott Treasurer: Clarence R. Messich

Service Units	19903	19905	19926	19960
37216				

Driver Names	19903	19905	19926	19960
Messich	Mattal	McGraw		

Time AM	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:45					Trucks on location and hold safety meeting.
10:30					Hard drilling start to run Auto Fill Float Shoe, Shoe Joint with Latch Down Baffle screwed into collar and total of 127 Joints new 15.5 Lb/Ft 5 1/2 casing. A Basket was installed above collars #2 and #7. A Turbolizer was installed on collars #3, 5, 9, 12, 13, 15 and #16.
2:00					Casing in well. Circulate for 1 hour.
3:06	300		6	6	Start Mud Flush after pressure testing to 250 psi.
			12	6	start Fresh water spacer.
			24	6	start super Flush II.
	300		36	5	start Fresh water spacer.
3:16	400		39	5	Start mixing 225 sacks AA 2 cement.
	-0-		92		stop pumping. Shut in well. Wash pump and lines. Release Latch Down Plug. Open Well.
3:28	100			6.5	Start 28 ft CL Displacement.
			88	5	start to lift cement.
3:48	900		125.6		Plug down.
	1400				Pressure up.
					Release pressure. Float Shoe held.
			7	3	Plug Rat Hole.
					Wash up pump truck.
4:30					Job Complete.
					Thank You Clarence, Mitre, Mitre

Arden Ratzlaff

PETROLEUM GEOLOGIST

Phone: 262-8938

107 N. Market 808 Bittng Bldg. Wichita, KS 67202

COMPANY **CHIEFTAIN OIL CO., INC.**

LEASE **BIG CHIEF No. 2**

FIELD **STRANATHAN**

LOCATION **NE SW SW SW**

SECTION **6** TOWNSHIP **35S** RANGE **11W**

COUNTY **BARBER** STATE **KANSAS**

CONTRACTOR **HAROT DRILLING** RIG NO. **1**

COMMENCED DRILLING **3-17-11**

COMPLETED DRILLING **3-30-11**

RID **5300** FEET LTD. **5300** FEET

MUD UP AT **3354** FEET MUD TYPE **CHEMICAL**

FORMATION TOPS

FORMATION TOPS	SAMPLE
HEEBNER	3829 (2425)
LANSING	4370 (2366)
CHEROKEE	4748 (3394)
MISSISSIPPIAN	4809 (3405)
KINDERHOOK	5049 (3645)
CHATTANOOGA	5128 (3724)
MISENER	5131 (3747)
MAQUOKETA	5158 (3754)
VIOLA	5211 (3807)
TOTAL DEPTH	5300 (3896)

SAMPLE

ELECTRIC LOG

SAMPLE	ELECTRIC LOG
3829 (2425)	3829 (2425)
4370 (2366)	4370 (2366)
4748 (3394)	4747 (3393)
4809 (3405)	4814 (3410)
5049 (3645)	5049 (3645)
5128 (3724)	5130 (3726)
5131 (3747)	5153 (3749)
5158 (3754)	5160 (3756)
5211 (3807)	5210 (3807)
5300 (3896)	5300 (3896)

DRILLING TIME

AND

SAMPLE LOG

ELEVATIONS

KB	1404
DF	1402
GL	1394
Measurements Are All From	K. B.

CASING

8 5/8" @ 33' W. 355 SX
5 1/2" @ 4296' W. 225 SX

ELECTRICAL SURVEYS

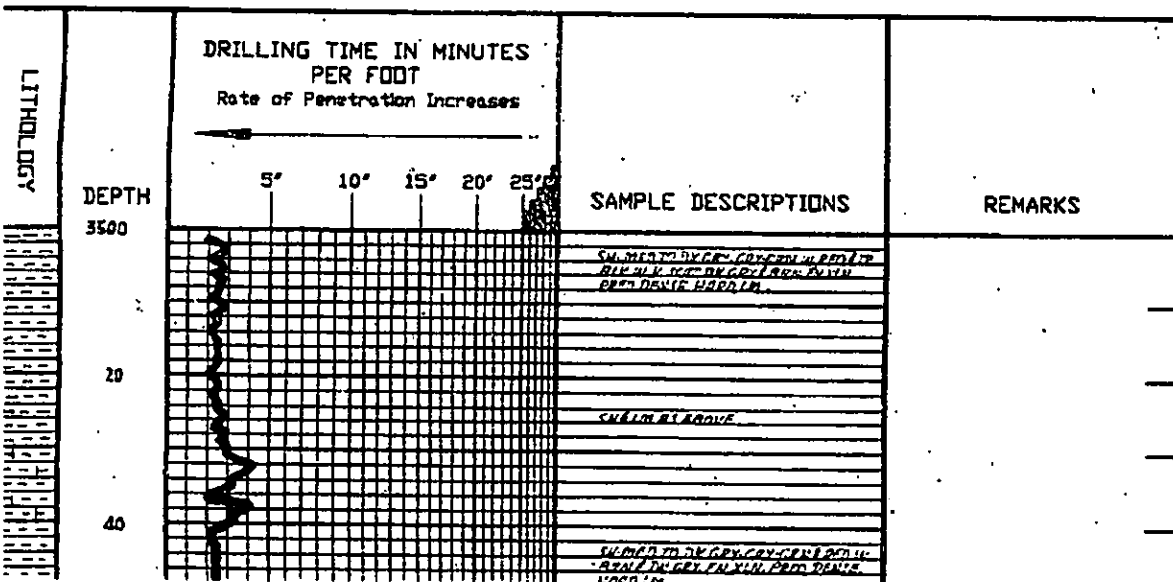
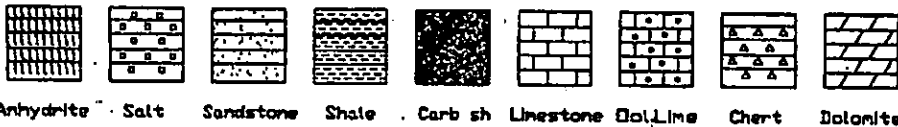
SURVEYOR - CATHERINE EBY DUAL
INDUCTION, COMPENSATED NEUTRON
DENSITY, S. P. & CALIPER

REMARKS AFTER ANALYZING ALL OF THE PERTINENT INFORMATION OF THE ABOVE CAPTIONED WELL, IT WAS THE DECISION THAT CASING BE CEMENTED IN ANTICIPATION OF A VERY GOOD WELL.

Arden Ratzlaff, Petroleum Geologist

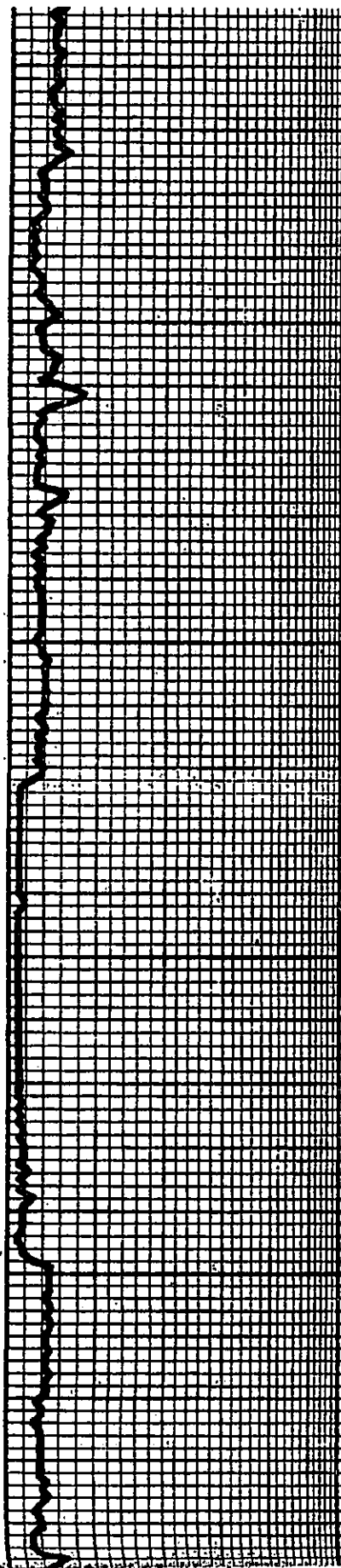
NOTE: NATIVE FURNISHED THE MUD -- TAILORITE FURNISHED THE DRILL STEIN TESTS -- SAMPLES DEPOSITED AT THE K.G.S. SURVEY.

LEGEND





60
80
3600
20
40
60
90
3700
20
40
60
80



IN. GRY. GRN. MED. L. UN. BY. GRY. (Dn)
IN. GRY. UN. AS. BRN. G.

SAME AS ABOVE

SIL. MED. TO. DU. GRY. GRY. GRN. RIV. I
L. GRY. BRN. IN. L. GRY. BRN. R. TO
UN. GRY. UN. BRN. GRY. UN. GRY. UN.

UN. GRY. GRN. IN. BRN. GRY. GRN. MED.
L. GRY. GRY. UN. GRY. UN. GRY. UN. GRY.
UN. GRY. UN. GRY. UN.

SAME AS ABOVE

SIL. MED. TO. DU. GRY. GRY. GRN. RIV. I
L. GRY. BRN. IN. L. GRY. BRN. R. TO
UN. GRY. UN. BRN. GRY. UN. GRY. UN.

SIL. GRY. GRN. IN. BRN. GRY. GRN. MED.
L. GRY. GRY. UN. GRY. UN. GRY. UN. GRY.
UN. GRY. UN. GRY. UN.

SAME AS ABOVE

SAME IN. INCREASE IN. RED. UN. TO
GRY. SIL. ST.

SIL. ST. L. GRY. IN. RIV. SP. UN. UN. UN. UN.
UN. UN. UN. UN. UN. UN. UN. UN. UN. UN.
UN. UN. UN. UN. UN. UN. UN. UN. UN. UN.
UN. UN. UN. UN. UN. UN. UN. UN. UN. UN.

SIL. MED. TO. DU. GRY. RIV. UN. GRY. GRN. I
L. GRY. BRN. IN. L. GRY. BRN. R. TO
UN. GRY. UN. BRN. GRY. UN. GRY. UN.

SAME IN. UN. UN. UN. UN. UN. UN. UN. UN. UN. UN.
UN. UN. UN. UN. UN. UN. UN. UN. UN. UN.

20

HEENER 3829
-7425

40

60

80

3900

20

40

60

80

4000

20

40

SOME AS ABOVE N.V. SCAY BY CORR
IN

SILICOES TO BE SET TO THE CORNER OF THE
SHELF OR IN THE CORNER OF THE
SHELF TO BE SET IN

TO BE SET TO BE SET TO THE CORNER OF THE
SHELF OR IN THE CORNER OF THE
SHELF TO BE SET IN

TO BE SET TO BE SET TO THE CORNER OF THE
SHELF OR IN THE CORNER OF THE
SHELF TO BE SET IN

TO BE SET TO BE SET TO THE CORNER OF THE
SHELF OR IN THE CORNER OF THE
SHELF TO BE SET IN

SOME AS ABOVE N.V. SCAY BY CORR
IN

SOME AS ABOVE

SOME AS ABOVE

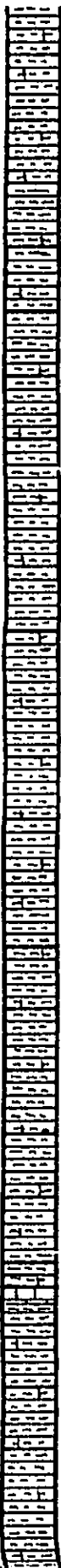
SOME AS ABOVE

SOME AS ABOVE N.V. SCAY BY CORR
IN

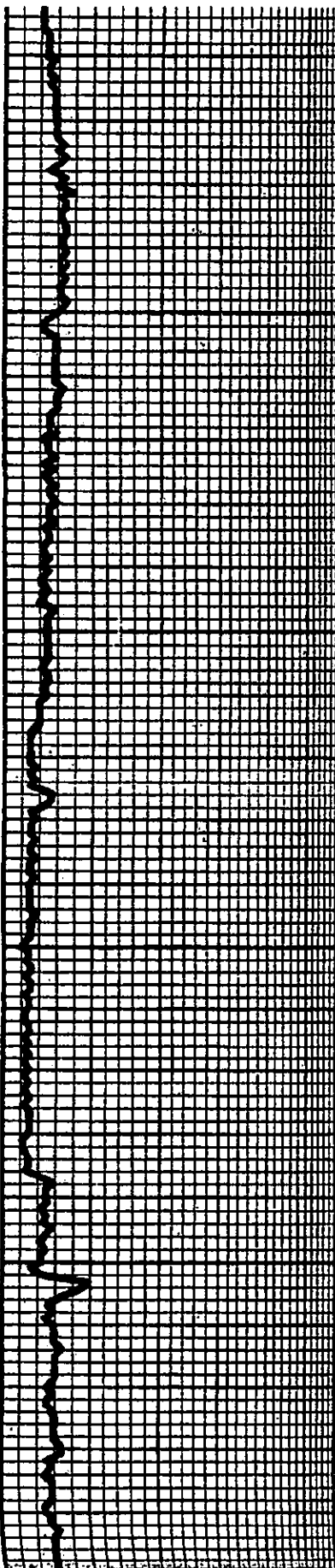
SOME AS ABOVE

SOME AS ABOVE N.V. SCAY BY CORR
IN

SOME AS ABOVE



60
80
4100
20
40
60
80
4200
20
40
60
80



SU-MED GRY GRY-GON 1/4 IN GRY TR
SUTR IN BRN EN VILL DENISE HARD LM

SU AS ABOVE W TRAIL BRN MIXED IN
PART EN VILL DIB-FULLY TO DENISE
HARD LM

SOME AS ABOVE

SU-MED GRY 1/4 IN GRY 1/4 IN
SUTR IN AS ABOVE

SU AS ABOVE IN SUTR BRN TRAIL BRN
1/4 IN GRY BRN DENISE HARD LM

SOME AS ABOVE

SU-MED TR GRY 1/4 IN GRY GRY W
SUTR TR 1/4 BRN EN VILL DENISE LM

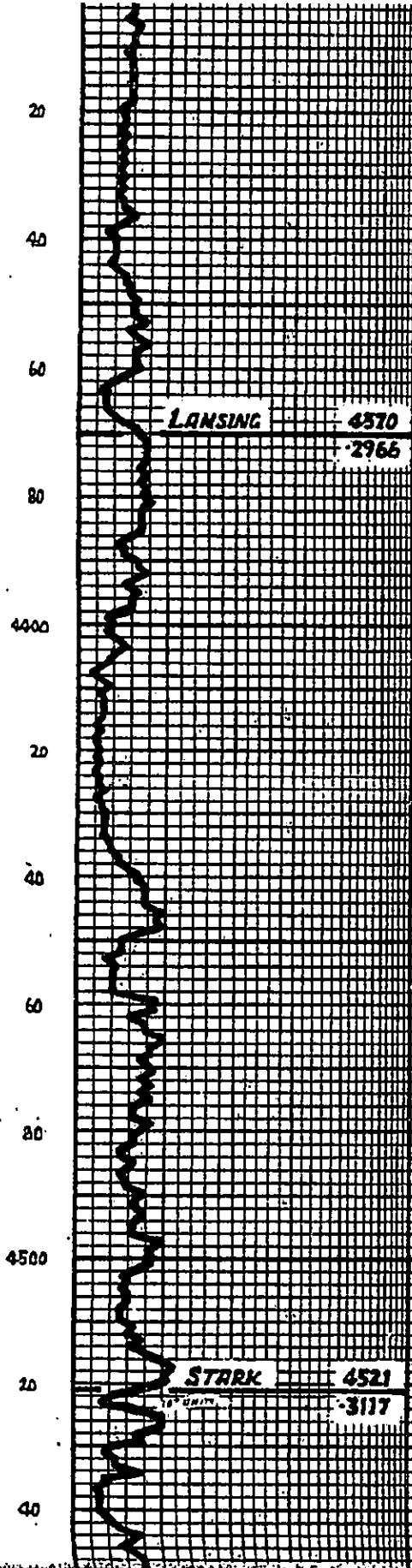
SOME AS ABOVE

SOME AS ABOVE

SU-MED TR GRY 1/4 IN SUTR GRY-GON 1/4
TR BRN

SU-MED TR GRY GRY-GON 1/4 IN
TRAIL TRAIL BRN EN VILL DENISE
HARD LM TR CURRY LM

SU-MED TR GRY SUTR ALL TR VILL
1/4 BRN TRAIL BRN EN VILL DENISE
HARD LM



SAME AS ABOVE

SAME AS AT 4000 FEET SURFACE TO THE SURFACE

SAME AS ABOVE

SAME AS ABOVE

LANSING 4570
2966

IMMEDIATE CRACKING AND FINISH
SURFACE TO DEEPER SURFACE TO DEEPER
SURFACE TO DEEPER SURFACE TO DEEPER

IMMEDIATE CRACKING AND FINISH
SURFACE TO DEEPER SURFACE TO DEEPER
SURFACE TO DEEPER SURFACE TO DEEPER

IMMEDIATE CRACKING AND FINISH
SURFACE TO DEEPER SURFACE TO DEEPER
SURFACE TO DEEPER SURFACE TO DEEPER

IMMEDIATE CRACKING AND FINISH
SURFACE TO DEEPER SURFACE TO DEEPER
SURFACE TO DEEPER SURFACE TO DEEPER

IMMEDIATE CRACKING AND FINISH
SURFACE TO DEEPER SURFACE TO DEEPER
SURFACE TO DEEPER SURFACE TO DEEPER

SAME AS ABOVE

IMMEDIATE CRACKING AND FINISH
SURFACE TO DEEPER SURFACE TO DEEPER
SURFACE TO DEEPER SURFACE TO DEEPER

IMMEDIATE CRACKING AND FINISH
SURFACE TO DEEPER SURFACE TO DEEPER
SURFACE TO DEEPER SURFACE TO DEEPER

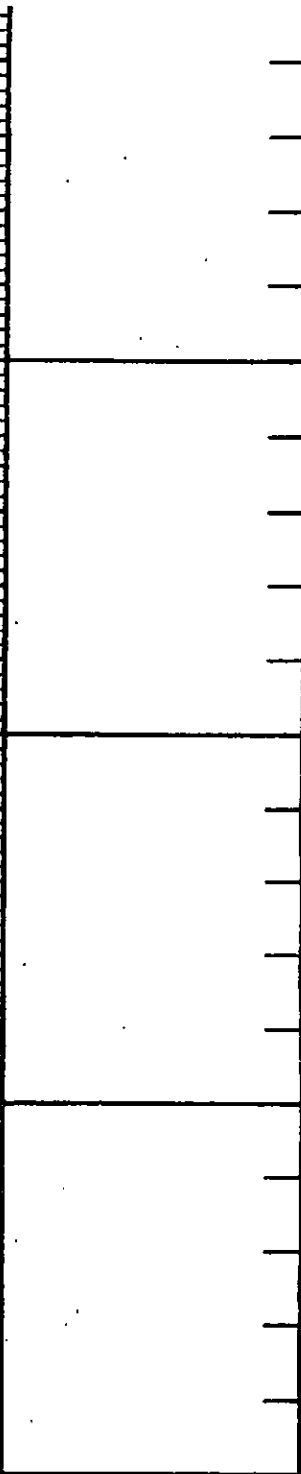
SAME AS ABOVE

IMMEDIATE CRACKING AND FINISH
SURFACE TO DEEPER SURFACE TO DEEPER
SURFACE TO DEEPER SURFACE TO DEEPER

STARK 4521
3117

SAME AS ABOVE

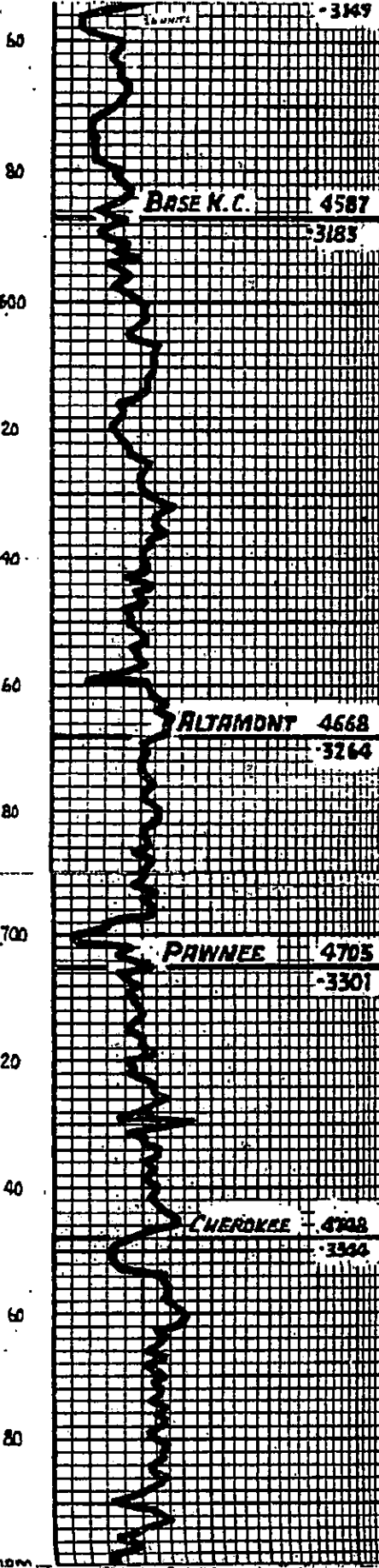
IMMEDIATE CRACKING AND FINISH
SURFACE TO DEEPER SURFACE TO DEEPER
SURFACE TO DEEPER SURFACE TO DEEPER



DST No. 1 (4517-4549)
30-60-60-90
STRONG BLOW TO B.O.B. IN 40 SECS
(1ST OPEN) GAS TO SURFACE 29 IN W
GAGE 29,000 DEPLET TO 23,000 (S/D
IN 60 MIN (2ND OPEN)
REC: 105 FT OF GAS CUT MUD &
80 FT MUD W/ (SLOD CHINA)
ISIP/1781# FSIP/1734#
IPP/27-51# FPP/41-78#
TEMP: 716° F.

STRAIGHT HOLE SURVEY 4721'
DEVIATION: 3 3/4°

STRAP PIPE @ 4721'
STRAP 4695.60'
BOARD 4690.77'



- 3149
SH. BLK. CRK. W. HILL. COM. BLUE. GRAY
L. 100' BRICK. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.

BASE K.C. 4587
L. 100' BRICK. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.

- 3183
S. 10" W. H. BR. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.

20
S. 10" W. H. BR. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.

40
S. 10" W. H. BR. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.

60
S. 10" W. H. BR. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.

80
S. 10" W. H. BR. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.

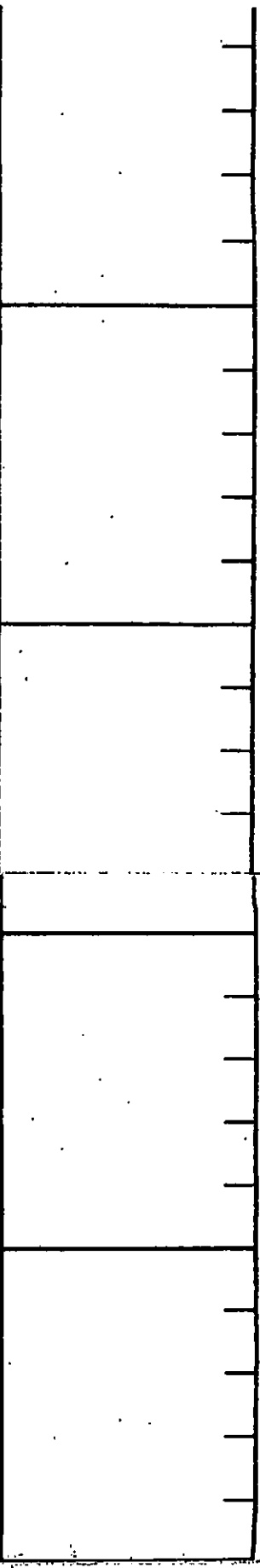
4700
PAWNEE 4705
S. 10" W. H. BR. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.

20
S. 10" W. H. BR. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.

40
S. 10" W. H. BR. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.

60
S. 10" W. H. BR. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.

80
S. 10" W. H. BR. COY. TH. 10" BR. EN. Y. IN. SUR-
CH. 10" W. DENISE. HARDEN. SCOT. DR.
COY. R. K. CARB. SH.



MISSISSIPPIAN 4809

3405

20
40
60
80
-4900
20
40
60
80
5000
20
40



SNIPPER OY

64 GATS

76 UNITS

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

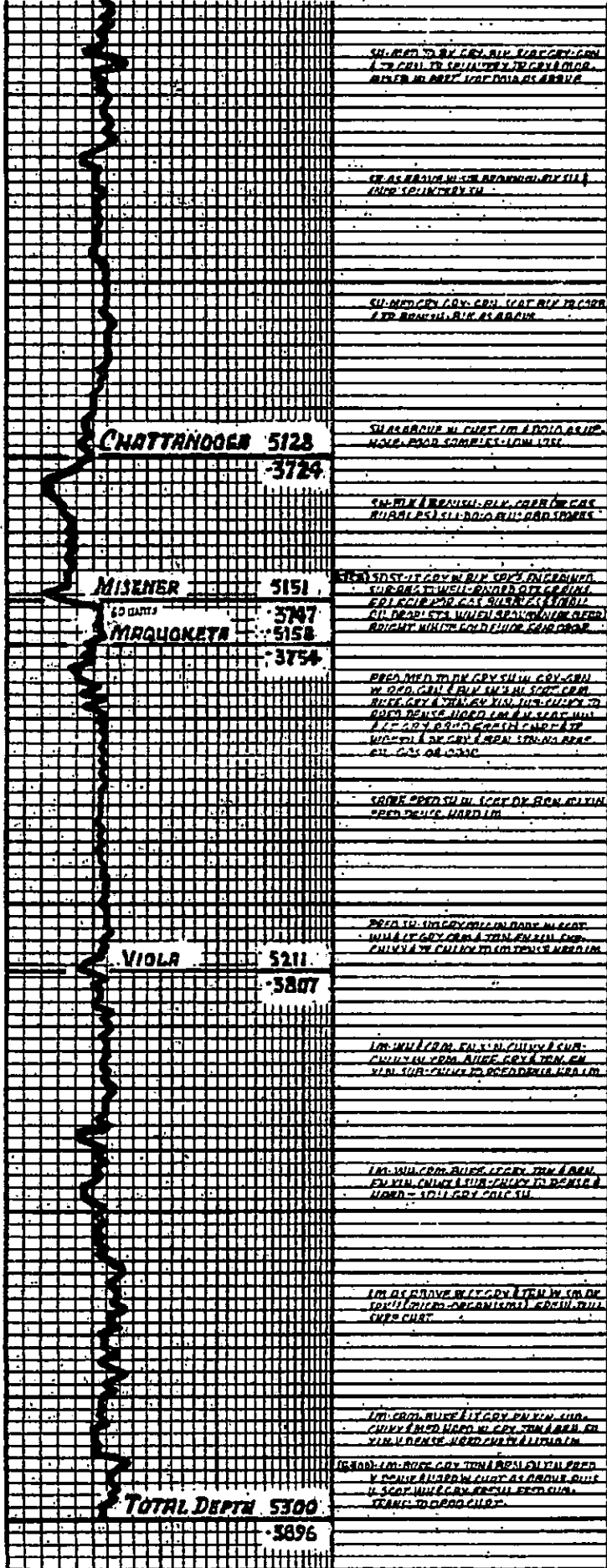
MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

MISSISSIPPIAN 4809
3405
CORRECTION: WILL BE CORRECTED BY THE
DEPARTMENT OF THE INTERIOR IN THE
FUTURE. THIS IS A PRELIMINARY
REPORT AND SHOULD NOT BE USED FOR
OFFICIAL PURPOSES.

KINDERHOOK 5089

60
80
5100
20
40
60
80
5200
20
40
60
80
5300



CHATTANOOGA 5128

3724

MISNER 5151

3747

MARQUONETA 5158

3754

VIOLA 5211

3807

TOTAL DEPTH 5300

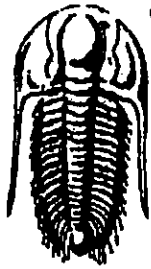
3896

DST No.2(5143-5156)

30-45-90-90
 STRONG BLOW 8.8.125EC'
 20 MIN 131.000 CF/D
 30 " 138.000 "
 STRONG BLOW 8.8.200EC'
 10 MIN 159.000 CF/D
 30 " 192.000 "
 50 " 205.000 "
 70 " 144.000 "
 90 " 151.000 "
 REC. 40' MUD W/TE OF OIL
 151P/2000# FS1P/2056#
 1FP/28-30# 1FP/24-29#
 TEMP=123°F

STRAIGHT HOLE SURVEY 5158'
 DEVIATION=30°

STRAIGHT HOLE SURVEY 5300'
 DEVIATION=9°



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co.Inc.**

605 S.6th, P.O.Box 124
Kiowa, KS 67070

ATTN: Arden Ratzlaff

6-35s-11w Barber KS

Big Chief #2

Start Date: 2011.03.25 @ 20:06:47

End Date: 2011.03.26 @ 05:48:32

Job Ticket #: 041621 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Chieftain Oil Co.Inc.

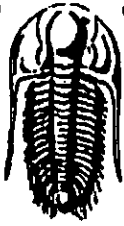
Big Chief #2

6-35s-11w Barber KS

DST # 1

Swope

2011.03.25



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Chieftain Oil Co. Inc.
605 S.6th, P.O.Box 124
Klowa, KS 67070
ATTN: Arden Ratzlaff

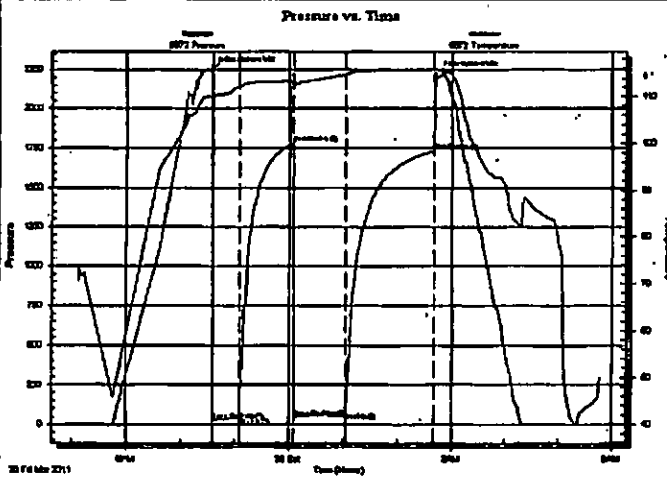
Big Chief #2
6-35s-11w Barber KS
Job Ticket: 041621 DST#: 1
Test Start: 2011.03.25 @ 20:06:47

GENERAL INFORMATION:

Formation: **Swope**
Deviated: **No Whipstock** ft (KB)
Test Type: **Conventional Straddle**
Time Tool Opened: **22:35:17**
Tester: **Gary Pavoteaux**
Time Test Ended: **05:46:32**
Unit No: **58**
Interval: **4517.00 ft (KB) To 4549.00 ft (KB) (TVD)**
Reference Elevations: **1404.00 ft (KB)**
Total Depth: **4721.00 ft (KB) (TVD)**
1394.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Poor**
KB to GR/CF: **10.00 ft**

Serial #: **8672** Inside
Press @ Run Depth: **78.38 psig @ 4518.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.03.25** End Date: **2011.03.26** Last Calib.: **2011.03.26**
Start Time: **20:06:52** End Time: **05:46:32** Time On Btm: **2011.03.25 @ 22:34:02**
Time Off Btm: **2011.03.26 @ 02:42:47**

TEST COMMENT: F: Strong blow. B.O.B. in 40secs. GTS in 29 mins.
IS: Weak blow. 1".
FF: Strong blow. B.O.B. in 2 secs. (see gas flow report)
FS: Weak blow. 1 - 1 1/2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2250.06	110.10	Initial Hydro-static
2	26.55	109.50	Open To Flow (1)
31	50.54	112.08	Shut-in(1)
91	1781.36	113.34	End Shut-in(1)
92	40.68	112.73	Open To Flow (2)
149	78.38	114.77	Shut-in(2)
247	1734.26	115.75	End Shut-in(2)
249	2219.91	115.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	MV 19% m 81% w / R w .31ohms @ 50deg	0.39
105.00	GCM 12% g 88% m	1.11

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	30.78
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.25	5.00	30.78



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Chieftain Oil Co. Inc.
605 S.6th, P.O.Box 124
Klowa, KS 67070
ATTN: Arden Ratzlaff

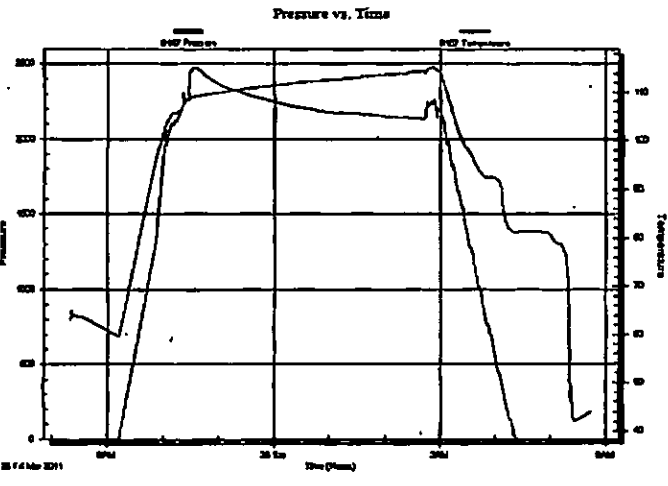
Big Chief #2
6-35s-11w Barber KS
Job Ticket: 041621 DST#: 1
Test Start: 2011.03.25 @ 20:06:47

GENERAL INFORMATION:

Formation: Swope
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:35:17
Time Test Ended: 05:46:32
Interval: 4517.00 ft (KB) To 4549.00 ft (KB) (TVD)
Total Depth: 4721.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Reference Elevations: 1404.00 ft (KB)
1394.00 ft (CF)
KB to GR/CF: 10.00 ft
Test Type: Conventional Straddle
Tester: Gary Pavoteaux
Unit No: 56

Serial #: 8167 Below
Press@RunDepth: psig @ 4550.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.25 End Date: 2011.03.26 Last Calib.: 2011.03.26
Start Time: 20:20:10 End Time: 05:45:35 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 40secs. GTS in 29 mins.
IS: Weak blow . 1".
FF: Strong blow . B.O.B. in 2 secs. (see gas flow report)
FS: Weak blow . 1 - 1 1/2".



PRESSURE SUMMARY

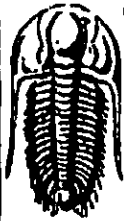
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
80.00	MW 19% m 81% w / R w .31 ohms @ 50 deg	0.39
105.00	GCM 12% g 88% m	1.11

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	30.78
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.25	5.00	30.78



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chefftain Oil Co. Inc.
605 S.6th, P.O.Box 124
Kiowa, KS 67070

ATTN: Arden Ratzlaff

Big Chief #2
6-35s-11w Barber KS
Job Ticket: 041621 DST#: 1
Test Start: 2011.03.25 @ 20:06:47

Tool Information

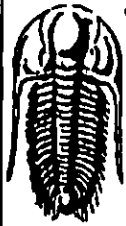
Drill Pipe:	Length: 4392.00 ft	Diameter: 3.80 inches	Volume: 61.61 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 27000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 62.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4517.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	4549.00 ft			
Interval between Packers:	32.00 ft			
Tool Length:	227.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4495.00	
Shut in tool	5.00			4500.00	
HMV	5.00			4505.00	
Safety Joint	3.00			4508.00	
Packer	4.00			4512.00	23.00 Bottom Of Top Packer
Packer	5.00			4517.00	
Stubb	1.00			4518.00	
Recorder	0.00	8672	Inside	4518.00	
Recorder	0.00	8370	Outside	4518.00	
Perforations	27.00			4545.00	
Blank Off Sub	1.00			4546.00	
T.C.	3.00			4549.00	32.00 Tool Interval
Packer	0.00			4549.00	
Stubb	1.00			4550.00	
Recorder	0.00	8167	Below	4550.00	
Perforations	9.00			4559.00	
Blank Spacing	157.00			4716.00	
Bullnose	5.00			4721.00	172.00 Bottom Packers & Anchor

Total Tool Length: 227.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chieftain Oil Co. Inc.
605 S.6th, P.O.Box 124
Klowa, KS 67070
ATTN: Arden Ratzlaff

Big Chief #2
6-35s-11w Barber KS
Job Ticket: 041621 DST#: 1
Test Start: 2011.03.25 @ 20:08:47

Mud and Cushion Information

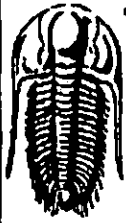
Mud Type: Gel Chem	Cushion Type: .	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 31000 ppm	
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft.	Description	Volume bbl
80.00	MW 19% m 81% w / Rw .31ohms@50deg	0.393
105.00	GCM 12% g 88% m	1.108

Total Length: 185.00 ft Total Volume: 1.501 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Chieftain Oil Co. Inc.

Big Chief #2

605 S.6th, P.O.Box 124
Kiowa, KS 67070

6-35s-11w Barber KS

Job Ticket: 041621

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2011.03.25 @ 20:06:47

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

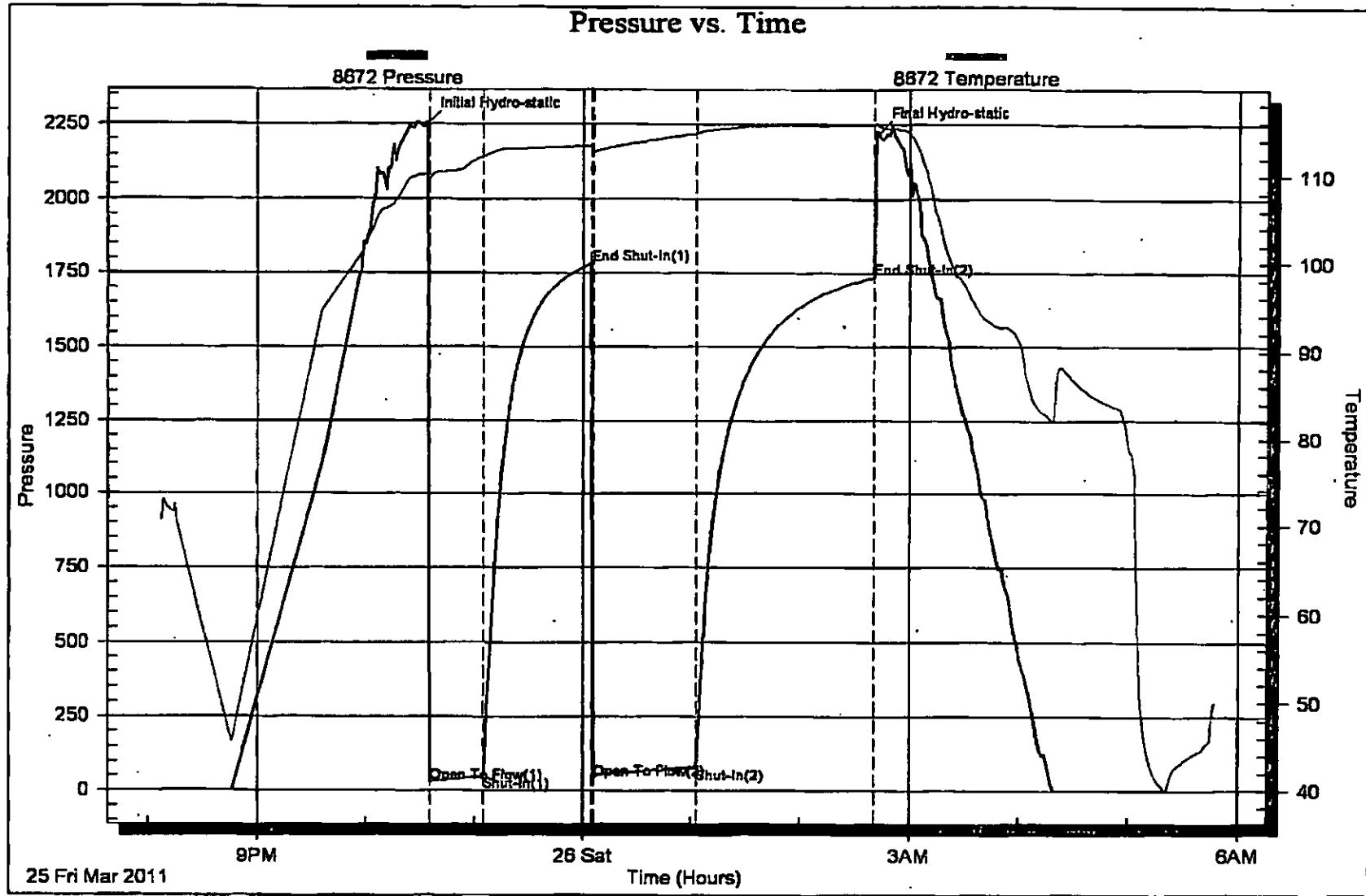
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPa)	Gas Rate (m ³ /d)
2	5	0.25	5.00	30.78
2	5	0.25	6.00	30.78
2	10	0.25	3.00	27.60
2	20	0.25	2.00	26.02
2	40	0.25	1.00	24.43

Serial #: 8672

Inside Chieftain Oil Co. Inc.

6-35s-11w Barber KS

DST Test Number: 1

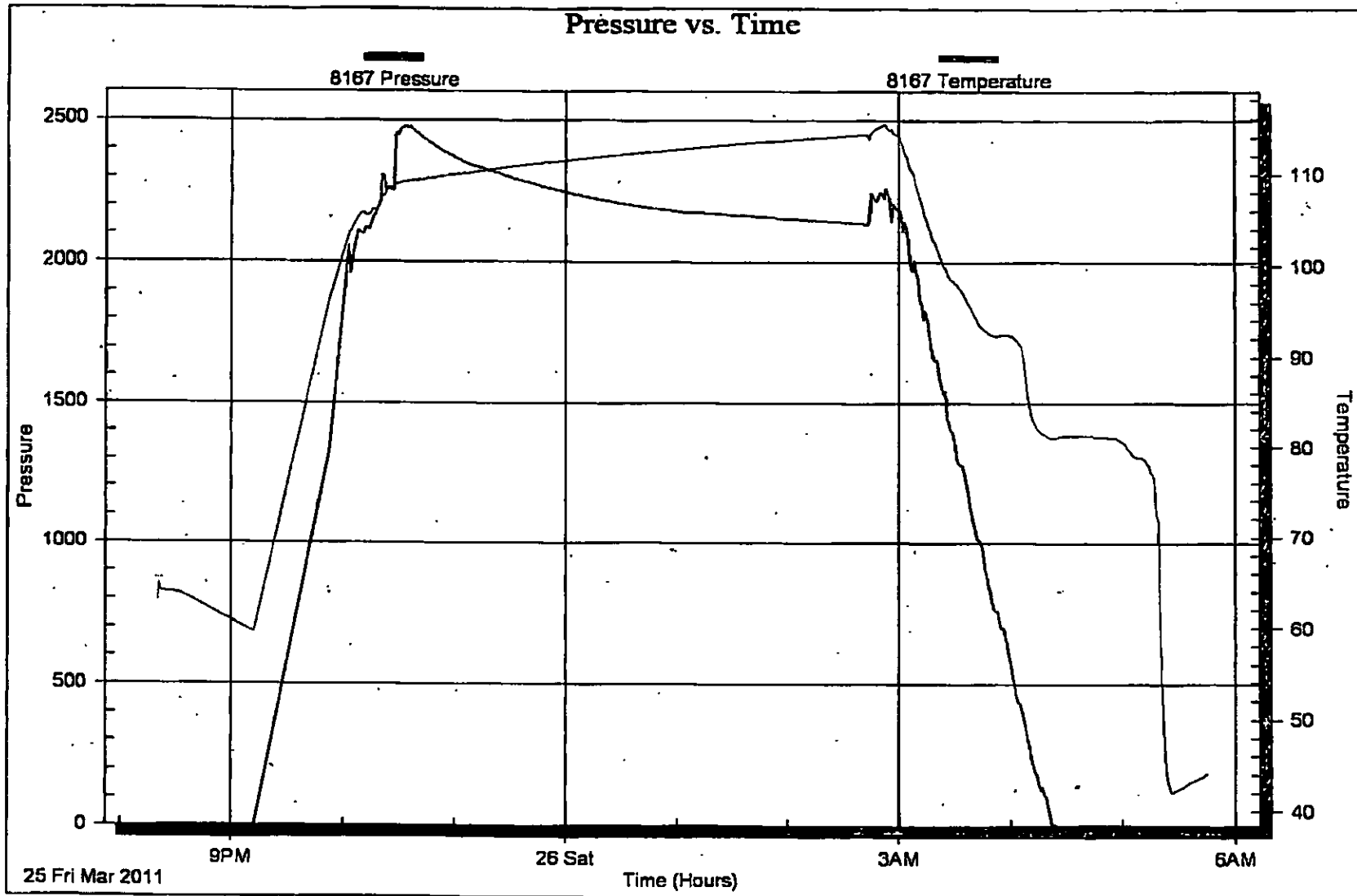


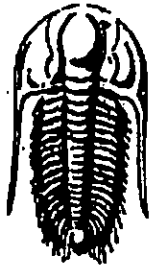
Serial #: 8167

Below Chieftain Oil Co. Inc.

6-35s-11w Barber KS

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co.Inc.**

605 S.6th, P.O.Box 124
Kiowa, KS 67070

ATTN: Arden Ratzlaff

6-35s-11w Barber KS

Big Chief#2

Start Date: 2011.03.28 @ 10:30:47

End Date: 2011.03.28 @ 19:40:32

Job Ticket #: 041622 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Chieftain Oil Co.Inc.

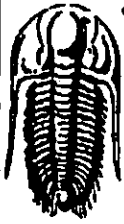
Big Chief #2

6-35s-11w Barber KS

DST # 2

Misener

2011.03.28



**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chieftain Oil Co. Inc.
605 S.6th, P.O.Box 124
Kiowa, KS 67070
ATTN: Arden Ratzlaff

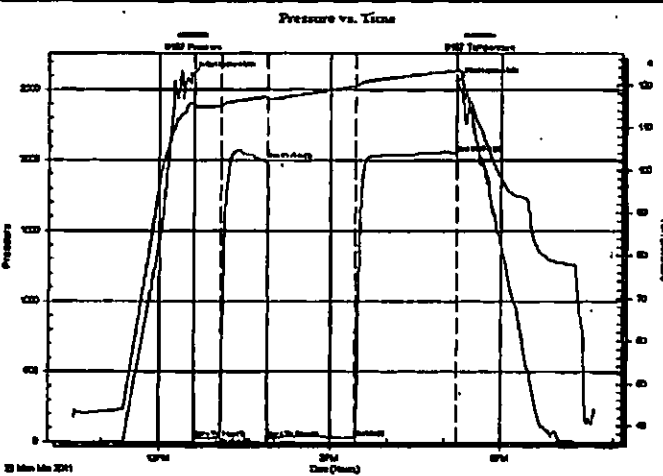
Big Chief #2
6-35s-11w Barber KS
Job Ticket: 041622 DST#: 2
Test Start: 2011.03.28 @ 10:30:47

GENERAL INFORMATION:

Formation: Misener
Deviated: No Whipstock ft (KB)
Time Tool Opened: 12:36:02
Time Test Ended: 19:40:32
Test Type: Conventional Bottom Hole
Tester: Gary Revoteaux
Unit No: 56
Interval: 5143.00 ft (KB) To 5158.00 ft (KB) (TVD)
Reference Elevations: 1404.00 ft (KB)
Total Depth: 5158.00 ft (KB) (TVD) 1394.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 10.00 ft

Serial #: 8167 Inside
Press@RunDepth: 29.09 psig @ 5144.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.28 End Date: 2011.03.28 Last Calib.: 2011.03.28
Start Time: 10:30:52 End Time: 19:40:32 Time On Btm: 2011.03.28 @ 12:34:02
Time Off Btm: 2011.03.28 @ 17:13:32

TEST COMMENT: IF: Strong blow . B.O.B. in 12 secs. GTS in 11 mins. (see gas flow report)
IS: Strong blow . B.O.B.
FF: Strong blow . (see gas flow report)
FS: Strong blow . B.O.B.



PRESSURE SUMMARY

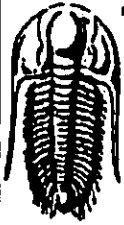
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2609.09	115.57	Initial Hydro-static
2	27.50	115.11	Open To Flow (1)
31	29.72	115.06	Shut-in (1)
79	1999.58	117.29	End Shut-in (1)
80	24.32	116.76	Open To Flow (2)
173	29.09	119.72	Shut-in (2)
279	2055.58	123.38	End Shut-in (2)
280	2561.46	123.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drig. mud w/trace of oil	0.20

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mc/d)
First Gas Rate	0.50	5.00	130.87
Last Gas Rate	0.50	6.00	137.61
Max. Gas Rate	0.50	16.00	205.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chieftain Oil Co. Inc.
605 S.6th, P.O.Box 124
Kowa, KS 67070
ATTN: Arden Ratzlaff

Big Chief #2
6-35e-11w Barber KS
Job Ticket: 041622 DST#: 2
Test Start: 2011.03.28 @ 10:30:47

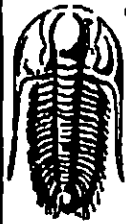
Tool Information

Drill Pipe:	Length: 5018.00 ft	Diameter: 3.80 inches	Volume: 70.39 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 83000.00 lb
			<u>Total Volume: 70.98 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	5143.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5121.00	
Shut in tool	5.00			5126.00	
HMV	5.00			5131.00	
Safety Joint	3.00			5134.00	
Packer	4.00			5138.00	23.00 Bottom Of Top Packer
Packer	5.00			5143.00	
Stubb	1.00			5144.00	
Recorder	0.00	8167	Inside	5144.00	
Recorder	0.00	8370	Outside	5144.00	
Perforations	9.00			5153.00	
Bullnose	5.00			5158.00	15.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chieftain Oil Co. Inc.
605 S.6th, P.O.Box 124
Kiowa, KS 67070
ATTN: Arden Ratzlaff

Big Chief #2
6-35s-11w Barber KS
Job Ticket: 041622 DST#: 2
Test Start: 2011.03.28 @ 10:30:47

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:	5000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.59 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Drig.mud w/trace of oil	0.197

Total Length: 40.00 ft Total Volume: 0.197 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial#: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Chieftain Oil Co. Inc.
605 S. 6th, P.O. Box 124
Kiowa, KS 67070

Big Chief #2

6-35s-11w Barber KS

Job Ticket: 041622

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2011.03.28 @ 10:30:47

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPa)	Gas Rate (m ³ /d)
1	20	0.50	5.00	130.87
1	30	0.50	6.00	137.61
2	10	0.50	9.00	157.85
2	20	0.50	12.00	178.09
2	30	0.50	14.00	191.58 ¹
2	40	0.50	16.00	205.07
2	50	0.50	16.00	205.07
2	60	0.50	13.00	184.83
2	70	0.50	7.00	144.36
2	80	0.50	6.00	137.61

