



KANSAS CORPORATION COMMISSION 1065568  
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     SLOW
- 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>4/18/2011</u>	<u>4/29/2011</u>	<u>5/12/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-23664-00-00

Spot Description: \_\_\_\_\_

SE SW NE SW Sec. 21 Twp. 33 S. R. 11  East  West

1545 Feet from  North /  South Line of Section

1843 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Barber

Lease Name: Lake Well #: 1

Field Name: Rhodes

Producing Formation: Mississippi

Elevation: Ground: 1376 Kelly Bushing: 1386

Total Depth: 5004 Plug Back Total Depth: 4965

Amount of Surface Pipe Set and Cemented at: 344 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: Garner 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: Doanna Garrison Date: 10/20/2011



1065568

Operator Name: Chieftain Oil Co., Inc. Lease Name: Lake Well #: 1  
 Sec. 21 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 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 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: <b>Attached</b>	<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	17.25	13.375	24	344	60/40 Poz	325	2% Salt
Production	7.875	5.5	15.5	4999	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	4530-50		

TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4650</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR: <u>6/15/2011</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 Bbbs. <u>20</u> Gas Mcf <u>10</u> Water Bbbs. <u>250</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 <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	--

Form	ACO1 - Well Completion
Operator	Chieftain Oil Co., Inc.
Well Name	Lake 1
Doc ID	1065568

All Electric Logs Run

Sector Bond / Gamma Ray CCL Log
Dual Induction Log
Dual Compensated Porosity Log
Geologic Log

Form	ACO1 - Well Completion
Operator	Chieftain Oil Co., Inc.
Well Name	Lake 1
Doc ID	1065568

Tops

Name	Top	Datum
Heebner	3572	-2186
Lansing	3756	-2360
Cherokee	4428	-3042
Mississippian	4435	-3049
Kinderhook	4631	-3245
Viola	4750	-3364
Simpson	4844	-3458
Simpson Sand	4866	-3480
Arbuckle	N.L.	N.L.
Total Depth	5004	-3618

# Arden Ratzlaff

PETROLEUM GEOLOGIST

Phone: 262-8938

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

## DRILLING TIME AND SAMPLE LOG

COMPANY CHIEFTAIN OIL CO. INC.  
 LEASE LAKE No. 1  
 FIELD RHODES  
 LOCATION SE SW NE SW  
 SECTION 21 TOWNSHIP 33S RANGE 11W  
 COUNTY BARBER STATE KANSAS

CONTRACTOR HABOT DRILLING RIG NO. 1  
 COMMENCED DRILLING 4-18-2011  
 COMPLETED DRILLING 4-29-2011  
 RTD 5000 FEET LTD 5004 FEET  
 MUD UP AT 3440 FEET MUD TYPE CHEMICAL

ELEVATIONS  
 KB 1386  
 DF 1384  
 GL 1376  
 Measurements Are All  
 From K.B.

CASING  
13 3/8" @ 344' W. 325 SX.  
5 1/2" @ 4999' W. 225 SX.

ELECTRICAL SURVEYS  
 LOG-TECH ~ GAMMA-RAY, DUAL  
 INDUCTION, COMPENSATED NEUTRON  
 & DENSITY, S.P. & CALIPER

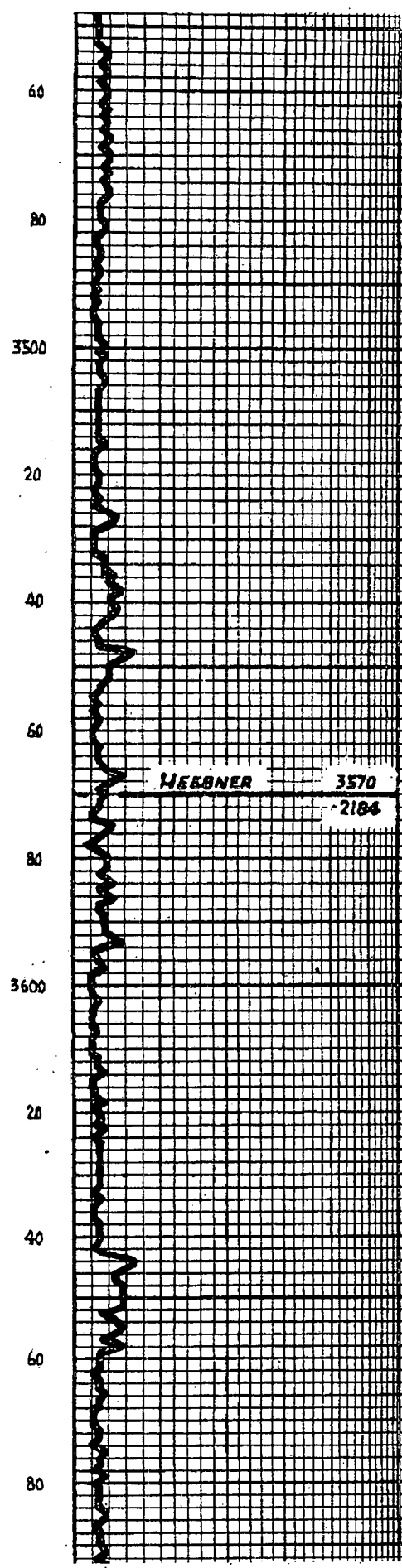
FORMATION TOPS	SAMPLE	ELECTRIC LOG
HEEBNER	3570 (-2184)	3572 (-2186)
LANSING	3756 (-2360)	3756 (-2360)
CHEROKEE	4428 (-3042)	4428 (-3042)
MISSISSIPPIAN	4434 (-3048)	4435 (-3049)
KINDERHOOK	4626 (-3240)	4631 (-3245)
VIOLA	4747 (-3361)	4750 (-3364)
SIMPSON	4845 (-3459)	4844 (-3458)
SIMPSON SAND	4862 (-3476)	4866 (-3480)
ARBUCKLE	4987 (-3601)	N.L.
TOTAL DEPTH	5000 (-3614)	5008 (-3618)

REMARKS

### LEGEND

- Dolomite
- Chert
- Limestone
- Dol. Line
- Carb sh
- Shale
- Sandstone
- Salt
- Anhydrite

	REMARKS	
	SAMPLE DESCRIPTIONS	
DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Increases	5' 10' 15' 20' 25' 	
DEPTH	3400	20
LITHOLOGY		



**HERBNER 3570**  
**2184**

SIL. MED. TO DV. GR. TO SPECKLED SIL  
 SILTY. GR. - GR. & SILY

SILT AS ABOVE W. V. SCAT. TAN & BRN.  
 EN. IN DENSE. HARD LIM.

SAME AS ABOVE W. V. SCAT. SILY. TO  
 CARB. SILY.

SILT. GR. & SILY. (CARB. IN PART) W.  
 V. SCAT. BRN. DENSE. HARD LIM.

SILY. SILY. CARB. & GR. W. SCAT. LIM. AS  
 ABOVE.

LIM. - CARB. BUZZ. & GR. SUB. CHILY TO  
 DENSE. & HARD. W. SCAT. MED. TO DV. GR.  
 & SILY. SILY.

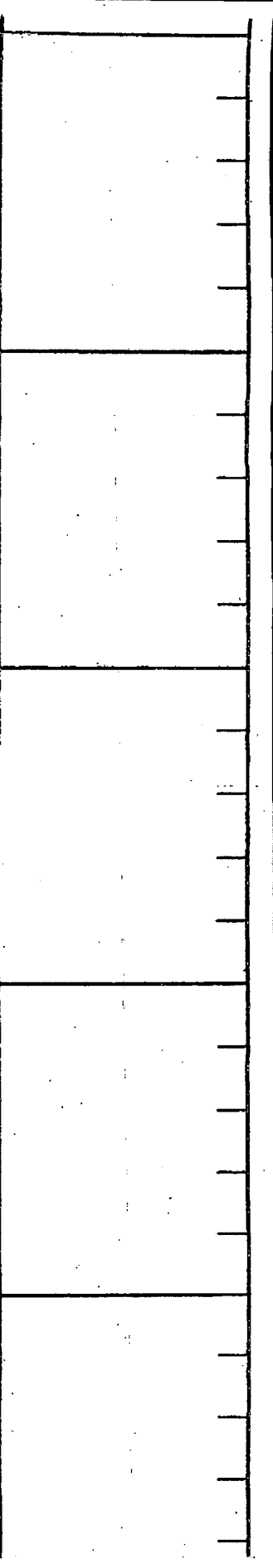
SIL. MED. TO DV. GR. SIL. SILY. & TP  
 GR. - GR. W. V. SCAT. LIM. AS ABOVE.

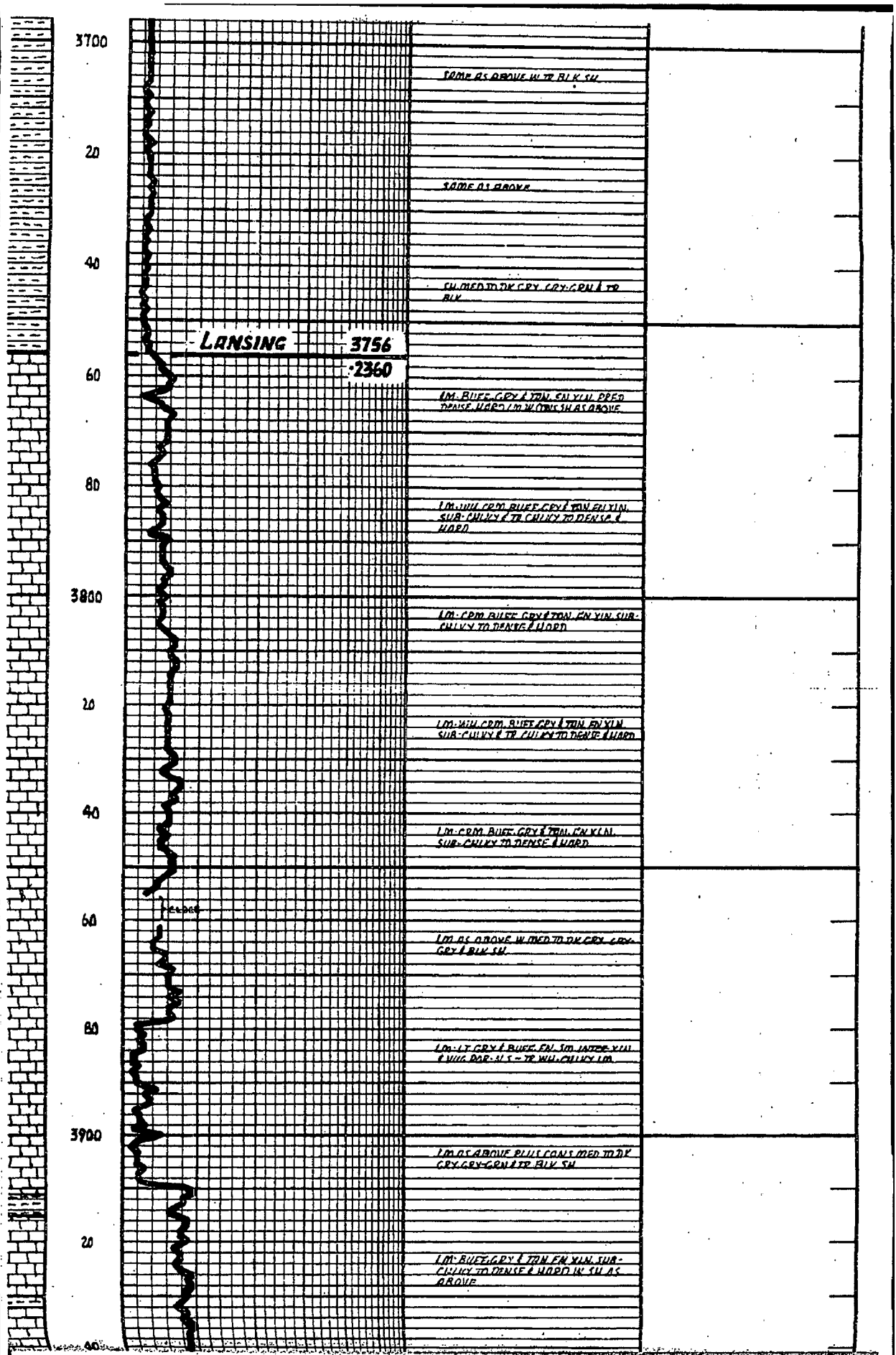
SAME AS ABOVE.

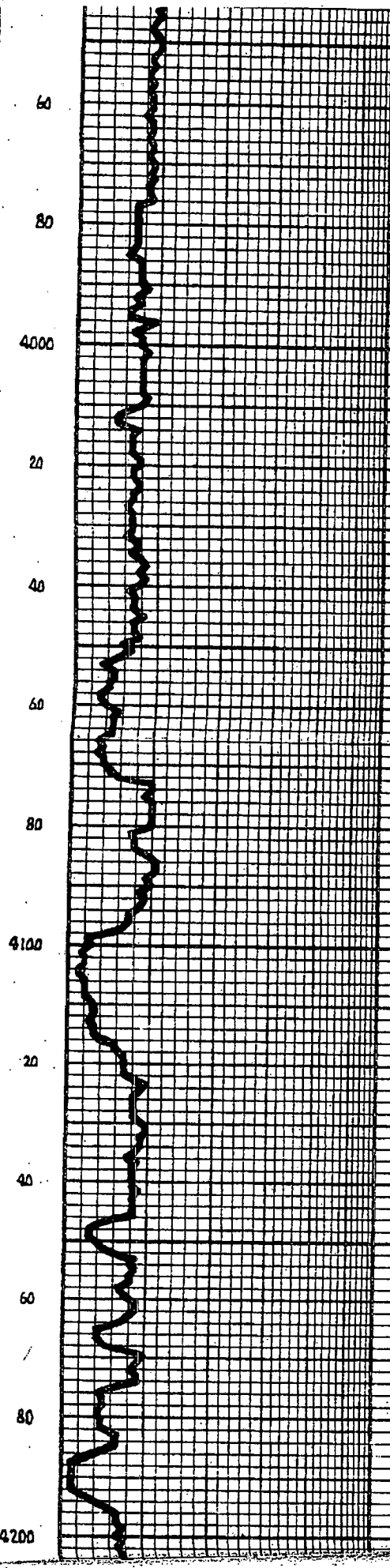
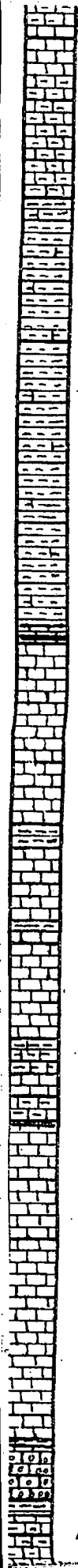
LIM. - W. CARB. BUZZ. GR. & LIM. BRN. EN.  
 XIN. SUB. CHILY. & TP. CHILY TO DENSE  
 & HARD.

SIL. MED. GR. - GR. - GR. TO SILTY W.  
 SCAT. LIM. AS ABOVE.

SIL. MED. GR. W. SM. DV. GR. & GR. - GR.







60  
80  
4000  
20  
40  
60  
80  
4100  
20  
40  
60  
80  
4200

5000 2000 8 TO VILL. GRAY. H. S. PLIN.  
MED. TO DV. GRAY. SH. GRAY. GEN. & RIV. SH.

SH. MED. TO DV. GRAY. GRAY. GEN. MAR. SAND  
TO RIV. W. BLUE. TAN. PEP. BRN. EN. KIN.  
SUR. CHUK. TO PEP. DENSE. HADD. IN

SH. MED. TO DV. GRAY. GRAY. GEN. MAR. SAND  
RIV. W. V. SH. IN. AT. ABOVE

SH. AS ABOVE IN. SH. RED. SH. V. SH. L. IN  
AT. ABOVE

SU. IN. AS ABOVE

SH. MED. TO DV. GRAY. RIV. & SH. GRAY. GEN.  
IN. TH. GRAY. & BRN. EN. VIN. DENSE. HADD. IN

SH. AS ABOVE IN. BLUE. BRN. IN. GRAY.  
PEP. DENSE. HADD. IN. DUE. TO. SH. GRAY.  
GEN. SH. RED. SUR. TRANS. PART. TO. RIV.  
IN. INTER. VIN. & BRN. VILL. BRN. S. S.

100. BRN. BLUE. GRAY. TAN. BRN. TAN. SUR.  
CHUK. TO DENSE. & HADD. IN. MED. TO. DV.  
GRAY. & GRAY. GEN. SH.

100. VILL. GRAY. BLUE. GRAY. TAN. EN. VIN.  
SUR. CHUK. TO DENSE. & HADD. IN. MED. TO. DV.  
HADD. S. AT. 2000. IN. CO. LIT. 100. W. BRN.  
TO. TO. BRN. GRAY. BRN. S. S.

100. AS ABOVE IN. MED. TO. DV. GRAY.  
GEN. SH.

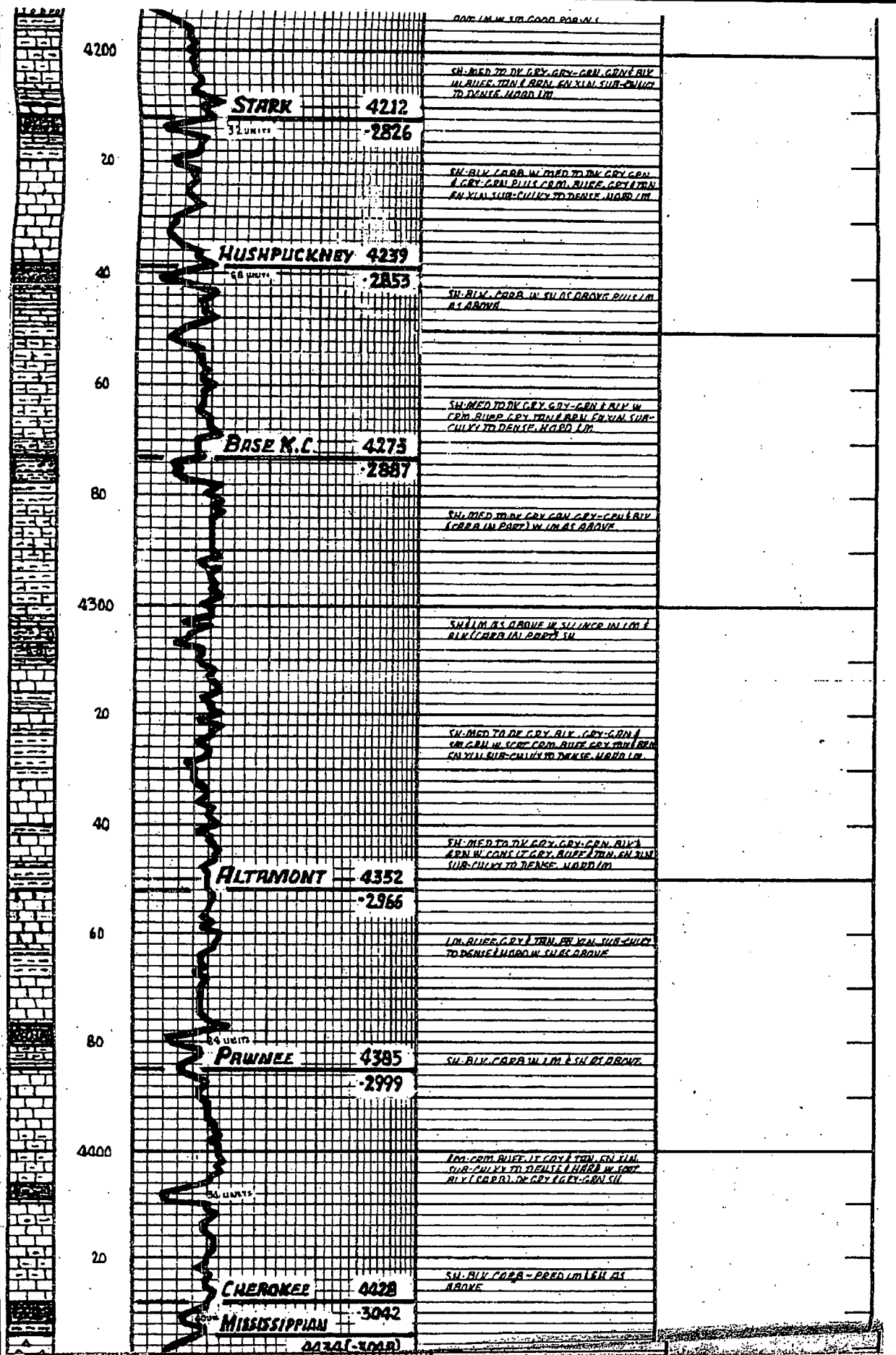
100. BLUE. GRAY. TAN. BRN. TAN. SUR.  
CHUK. TO DENSE. & HADD. IN. MED. TO. DV.  
AT. ABOVE

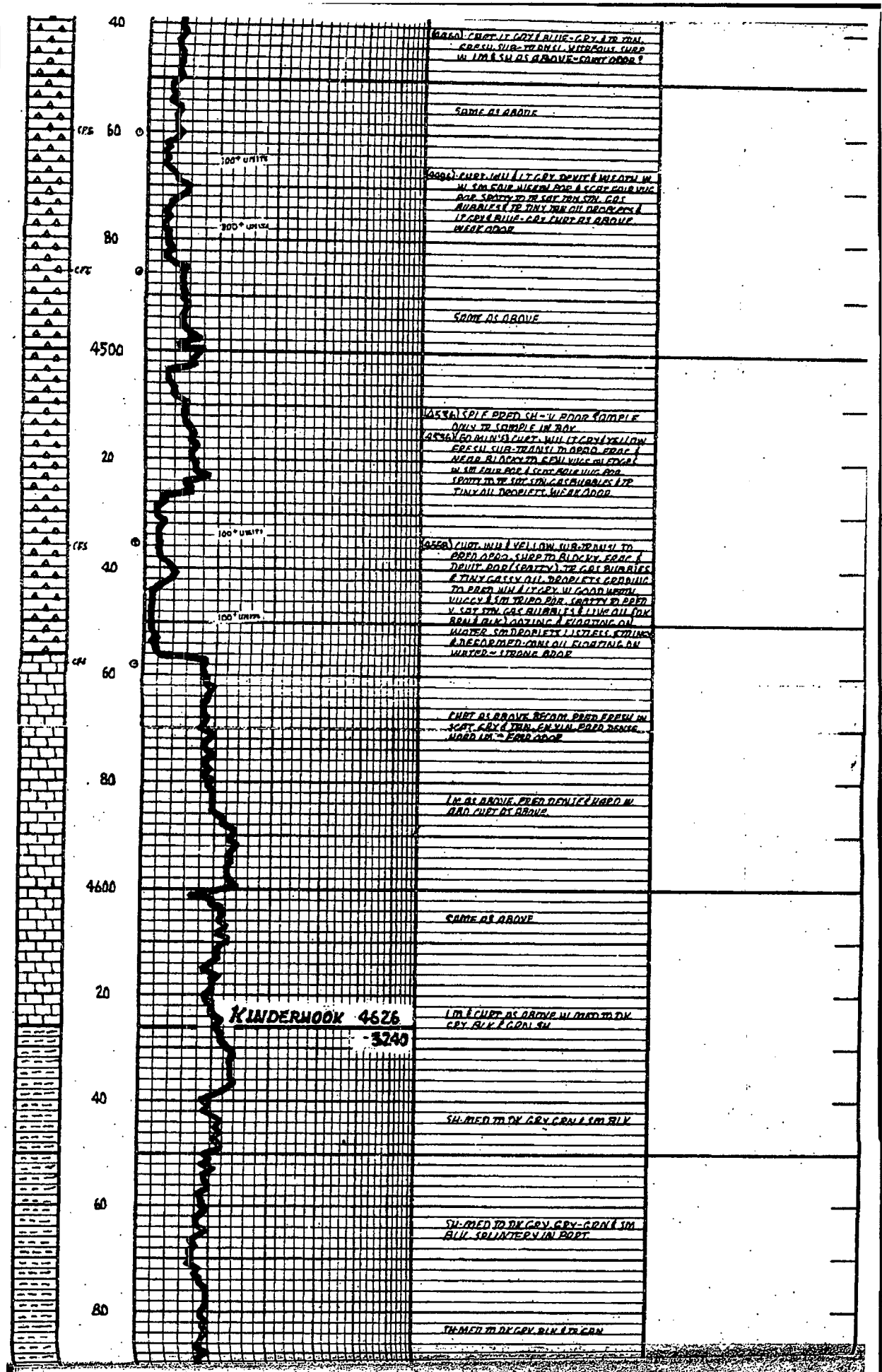
SAME AS ABOVE PLUS SH. AT. GRAY. EN.  
VIN. SUR. TRANS. PART.

100. BLUE. GRAY. TAN. TO. BRN. TAN. SUR.  
SUR. CHUK. TO DENSE. & HADD. IN. MED. TO. DV.  
& TAN. EN. IN. SUR. TRANS. PART. CONT.  
MED. TO. DV. GRAY. GRAY. GEN. & RIV. SH.

100. TAN. BRN. MIXED. IN. BRN. EN. KIN.  
GRAY. IN. W. SH. GRAY. BRN. S. S.







(300) CHRT. IT GRY BLUE-GRY 1 TO 2 IN  
 ADJ. SUB-TRANS. WEAK OIL STRE  
 IN 1 IN 4 SH AS ABOVE-CANT ADOP

SAME AS ABOVE

(300) CHRT. INT. IT GRY. DENITE W/ OIL IN  
 W. 500 FT. NICKEL AND A SCAT. HOLE W/ OIL  
 AND SPOTS TO 10 SAT. TAN. ST. CO.  
 RUBBLES TO TINY TAN OIL DR. OILS &  
 IT GRY BLUE-GRY CHRT. AS ABOVE  
 WEAK OIL

SAME AS ABOVE

(300) SPI. PRED. SH-V. POOR SAMPLE  
 ONLY TO SAMPLE IN BOX  
 (300) CHRT. INT. IT GRY. DENITE W/ OIL IN  
 ADJ. SUB-TRANS. WEAK OIL STRE  
 NEAR BLACK TO GRY. W/ OIL IN  
 W. 500 FT. NICKEL AND A SCAT. HOLE W/ OIL  
 AND SPOTS TO 10 SAT. TAN. ST. CO.  
 RUBBLES TO TINY TAN OIL DR. OILS &  
 IT GRY BLUE-GRY CHRT. AS ABOVE  
 WEAK OIL

(300) CHRT. INT. IT GRY. DENITE W/ OIL IN  
 ADJ. SUB-TRANS. WEAK OIL STRE  
 NEAR BLACK TO GRY. W/ OIL IN  
 W. 500 FT. NICKEL AND A SCAT. HOLE W/ OIL  
 AND SPOTS TO 10 SAT. TAN. ST. CO.  
 RUBBLES TO TINY TAN OIL DR. OILS &  
 IT GRY BLUE-GRY CHRT. AS ABOVE  
 WEAK OIL

CHRT. AS ABOVE. BECOM. PRED. PRED. IN  
 SCAT. GRY & TAN. EN. SH. PRED. PRED.  
 HARD IN - EMB. OIL

IN AS ABOVE. PRED. DENITE W/ OIL IN  
 AND CHRT. AS ABOVE

SAME AS ABOVE

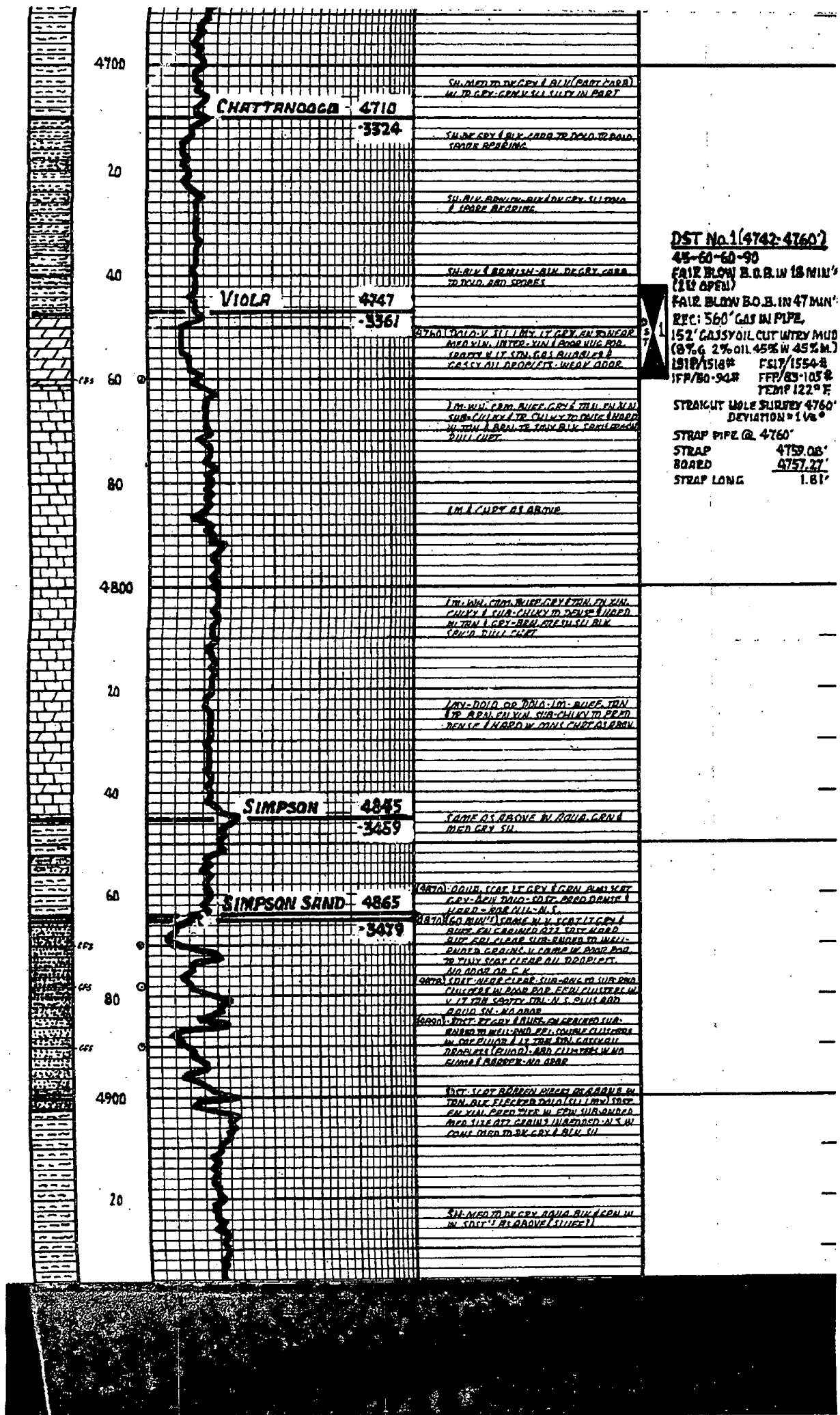
1 IN AS ABOVE. PRED. DENITE W/ OIL IN  
 AND CHRT. AS ABOVE

SH. MED. TO DK. GRY. GRY. GRN. 1 IN. BLV

SH. MED. TO DK. GRY. GRY. GRN. 1 IN.  
 BLV. SP. QUARTZ IN BOPT.

TH. MED. TO DK. GRY. BLV. 1 IN. GRN

**KINDERHOOK 4526 - 3240**



4700  
20  
40  
60  
80  
4800  
20  
40  
60  
80  
4900  
20

**CHATTANOOGA - 4710**

3324

**VIOLA - 4747**

3361

**SIMPSON - 4845**

3459

**SIMPSON SAND - 4865**

3479

SH. MED TO DE GRAY & BLK (PART CARB.)  
W. TR. GRAY-CON. SILTY IN PART

SH. DE GRAY & BLK. CARB. TO DOLD. TO DOLD.  
TOOK BEARING

SH. BLK. BRN. BLK. BLK. GRAY SILTY  
& TOOK BEARING

SH. BLK. (BRNISH-BLK. DE GRAY CARB.  
TO DOLD. AND SANDS

GRAY DOLD. V. SILTY. LY. GRAY. ON TO DOLD.  
MED. V. INTER. SILTY (DOLD. MUD. FID.  
TOOK N. LY. SILTY. GAS. BURDLES &  
GASSY. ALL PROPERTIES WEAK. ODD

1. M. W. L. CARB. BLUE. GRAY. TAN. EN. V. L.  
SUB. CHLOR. TO CHLOR. TO DOLD. HARD  
IN TAN. & BRN. TO TAN. BLK. SANDS  
DULL. MET.

1. M. W. L. CARB. BLUE. GRAY. TAN. EN. V. L.  
CHLOR. & SUB. CHLOR. TO DOLD. HARD  
IN TAN. & GRAY. BRN. MED. SILTY. BLK.  
CON. DULL. MET.

1. M. W. L. CARB. BLUE. GRAY. TAN. EN. V. L.  
TO BRN. EN. V. L. SUB. CHLOR. TO DOLD.  
DENSE. & HARD. W. DULL. CHLOR. ALABAN.

SAME AS ABOVE. W. DOLD. CARB. &  
MED. GRAY. SIL.

(GRTD) DOLD. CARB. LY. GRAY. & CON. SANDS  
GRAY. MED. DOLD. CARB. DOLD. MED. DENSE &  
HARD. - BRN. SILTY. N. S.

(GRTD) DOLD. CARB. LY. GRAY. & CON. SANDS  
GRAY. MED. DOLD. CARB. DOLD. MED. DENSE &  
HARD. - BRN. SILTY. N. S.

(GRTD) DOLD. CARB. LY. GRAY. & CON. SANDS  
GRAY. MED. DOLD. CARB. DOLD. MED. DENSE &  
HARD. - BRN. SILTY. N. S.

(GRTD) DOLD. CARB. LY. GRAY. & CON. SANDS  
GRAY. MED. DOLD. CARB. DOLD. MED. DENSE &  
HARD. - BRN. SILTY. N. S.

FACT. SCOP. HARD. DENSE. AS ABOVE. W.  
TAN. BLK. FLECTED. DOLD. (SILTY. LY.) SAND.  
EN. V. L. PROPERTIES. W. EN. SUB. SANDS.  
MED. SILTY. ATZ. GRAY. IN BRN. D. N. S. W.  
CON. MED. TO DE GRAY & BLK. SIL.

SH. MED TO DE GRAY. DOLD. BLK. & CON. W.  
W. SAND. AS ABOVE (SILTY)

**DST No. 1 (4742-4760)**  
45-60-60-90  
FAIR BLOW B.O.B. IN 18 MIN'  
(2 1/2 OPEN)  
FAIR BLOW B.O.B. IN 47 MIN'  
REC: 560' GAS IN PIPE,  
152' GASSY OIL CUT W/REY MUD  
(8% G. 2% OIL. 45% W. 45% M.)  
1918/1518# FSLY/1554#  
1FF/80-90# FFF/83-105#  
TEMP 122°F

STRAIGHT MOLE SURVEY 4760'  
DEVIATION = 1 1/2°

STRAP PIPE (R. 4760'  
STRAP 4759.08'  
BOARD 4757.27'  
STRAP LONG 1.81'





PAGE 1 of 1	CPST NO 1000719	INVOICE DATE 04/21/2011
INVOICE NUMBER <b>1718 - 90576360</b>		

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

J LEASE NAME Lake 1  
 O  
 B LOCATION  
 COUNTY Barber  
 STATE KS  
 S  
 I  
 T JOB DESCRIPTION Cement-New Well Casing/Pi  
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40310418	19905		Net - 30 days	05/21/2011	
<b>For Service Dates: 04/19/2011 to 04/19/2011</b>					
0040310418					
171804076A Cement-New Well Casing/Pi 04/19/2011 Conductor					
60/40 POZ		675.00	EA	6.60	4,455.12 T
Cello-flake		170.00	EA	2.04	345.96 T
Calcium Chloride		1,743.00	EA	0.58	1,006.61 T
Sugar		50.00	EA	1.10	55.00 T
Unit Mileage Charge-Pickups, Vans & Cars		45.00	HR	2.34	105.19
Heavy Equipment Mileage		90.00	MI	3.85	346.51
Proppant and Bulk Delivery Charges		1,307.00	MI	0.88	1,150.19
Depth Charge; 0-500'		1.00	HR	550.01	550.01
Blending & Mixing Service Charge		675.00	MI	0.77	519.76
Supervisor		1.00	HR	96.25	96.25
Heavy Equipment Mileage		45.00	MI	3.85	173.25
<b>ENTERED</b> MAY 04 2011 9121					
PLEASE REMIT TO:		SEND OTHER CORRESPONDENCE TO:			
BASIC ENERGY SERVICES, LP		BASIC ENERGY SERVICES, LP		SUB TOTAL	8,803.85
PO BOX 841903		PO BOX 10460		TAX	427.98
DALLAS, TX 75284-1903		MIDLAND, TX 79702		INVOICE TOTAL	9,231.83



**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

21-335-11W

FIELD SERVICE TICKET  
1718 04076 A

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

DATE OF JOB: 4-19-11	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: Lake	WELL NO. 1							
ADDRESS:	COUNTY: Barber	STATE: Kansas							
CITY:	STATE:	SERVICE CREW: C. Messick: M. Mattal: M. McGraw							
AUTHORIZED BY:	JOB TYPE: C.N.W. Conductor								
EQUIPMENT#	HRS.	EQUIPMENT#	HRS.	EQUIPMENT#	HRS.	TRUCK CALLED	DATE	AM	TIME
37,216	.5	19831	2				4-18-11	PM	10:00
		21010	2				4-19-11	PM	1:00
19903-19905	.5								2:45
		19907	2						3:15
19960-19918	.5						4-19-11	PM	3:45
						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 103	60/40 Poz Cement	sk	325	\$	3,900.00
CP 103	60/40 POZ CEMENT	SK	350	\$	4,200.00
CC 102	Cell Plate	Lb	82	\$	303.40
CC 109	Calcium Chloride	Lb	840	\$	882.00
CC 102	CELL PLATE	Lb	88	\$	325.60
CC 131	Sugar	Lb	50	\$	100.00
CC 109	CALCIUM CHLORIDE	Lb	903	\$	948.15
E 100	Pick up Mileage	mi	45	\$	191.25
E 101	Heavy Equipment Mileage	mi	90	\$	630.00
E 113	Bulk Delivery	tm	1307	\$	2,091.60
CE 200	Cement Pump: 0 Feet To 500 Feet	hrs	4	\$	1,000.00
CE 240	Blending and mixing Service	sk	675	\$	945.00
5003	Service Supervisor	hrs	8	\$	175.00
E 101	HEAVY EQUIP. MILE.	mi	45	\$	315.00

SUB TOT\*\*  
PLS 8803.85

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: Arrence R. Messick  
FIELD SERVICE ORDER NO. \_\_\_\_\_

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

Customer Chieftain Oil Company, Inc.	Lease No. Well # 1	Date 4-19-11
Lease Late	Field Order # 4076	Station Pratt, Kansas
Type Job C.N.W. - Conductor	Casing 13 3/8 48lb	Depth 320 Feet
	County Barber	State Kansas
	Formation	Legal Description 21-335-11W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size 13 3/8	Tubing Size 48lb/ft	Shots/Ft	325	sacks	60/40 Poz	RATE	PRESS	ISIP
Depth 320 Feet	Volume 50.24 Bbl.	From	To	28 Gal.	38 Calcium Chloride	25 lb./slt.	cell	plate
Max Press 300 P.S.I.	Annulus Vol Swedgard 2 Valve	From	To	14.8 lb / Gal.	5.18 Gal	Min	1.2 cu. F.T. / slt.	10 Min.
Well Connection 310 Feet	Packer Depth	From	To	Flush	48.5 Bbl. Fresh Water	Avg		15 Min.
						HHP Used		Annulus Pressure
						Gas Volume		Total Load

Customer Representative: Scott Adelhardt      Station Manager: David Scott      Treater: Clarence R. Messick

Service Units	37,216	19,903	19,905	19,960	19,918				
Driver Names	Messick	Mattal	Mc Graw						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00	4-18-11				Cement and pump truck on location.
1:00 AM	4-19-11				Cement on location and hold safety meeting.
1:15	Hard	Drilling			start to run 8 Joints Limited Service 48lb/ft 13 3/8" casing
2:30					casing in well. Circulate for 5 minutes
2:50	250			5	start Fresh Water Pre-Flush:
	275		10	5	start mixing 325 sacks 60/40 Poz cement.
	100		80	5	start Fresh Water Displacement.
3:10	300		128		Plugdown. Shut in well.
					Circulated 10 sacks cement to the pit.
					Wash up pump truck.
3:45					Job Complete.
					Thank You.
					Clarence, Mike, Mitre
					FRESH THE WELL MAKES
					BUBBLES WATER - STAY 4
					1.020 sg 18,000 cu. in.
0445					Hook up REG PUMP AND
					CIRCULATE CEMENT OUT
					OF WELL. ORDER CEMENT
					TO RE-CEMENT.

# BASIC

PAGE 2

## TREATMENT REPORT

energy services, L.P.

Customer <b>CHIEF MAN OIL CO.</b>	Lease No.	Date <b>4-19-11</b>
Lease <b>LAKE</b>	Well # <b>1</b>	
Field/Order # <b>4076</b>	Station <b>PRATT, KS</b>	Casing <b>13 3/8</b>
	Depth <b>320</b>	County <b>BARBER</b>
Type Job <b>CNW - CONDUCTOR</b>	Formation	State <b>KS</b>
		Legal Description <b>ZI-33-11</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>13 3/8</b>	Tubing Size	Shots/Ft	<b>350</b>	Acid	<b>60/40 P02</b>	RATE	PRESS	ISIP
Depth <b>320</b>	Depth	From	To	Pre Pad	<b>2% GEL 3% CC</b>	<b>1/4 #/SK</b>	<b>CELLFINACE</b>	<b>15 Min</b>
Volume <b>50.24</b>	Volume	From	To	Pad	<b>14.8 ppq, 5.18</b>	<b>1/2 #/SK</b>	<b>1.21</b>	<b>15 Min</b>
Max Press <b>500</b>	Max Press	From	To	Frac		Avg		15 Min.
Well Connection <b>WELTUBER</b>	Annulus Vol	From	To			HHP Used		Annulus Pressure
Plug Depth <b>310</b>	Packer Depth	From	To	Flush	<b>48.5 bbl</b>	Gas Volume		Total Load

Customer Representative **SCOTT** Station Manager **SCOTT** Treater **CLARENCE**

Service Units	<b>37216</b>	<b>19903-19905</b>	<b>19831-21010</b>	<b>19907</b>
Driver Names	<b>MESSICK</b>	<b>WATKINS</b>	<b>TERPOT</b>	<b>KEVIN</b>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<b>0730</b>					<b>CEMENT ON LOCATION</b>
					<b>WELL WAS CIRCULATED</b>
					<b>CLEAN AND CIRCULATED</b>
					<b>FOR 2 1/2 HOURS.</b>
<b>0800</b>					<b>H2O TRUCK ON LOCATION</b>
<b>0830</b>	<b>250</b>		<b>10</b>	<b>5</b>	<b>START FRESH WATER PUMP</b>
	<b>250</b>		<b>0</b>	<b>5</b>	<b>START MIX 350 SIL 60/40</b>
					<b>P02 2% GEL 3% CC, 1/4 # CELLFINACE</b>
	<b>100</b>		<b>75</b>	<b>5</b>	<b>FRESH MIX CEMENT</b>
	<b>100</b>		<b>0</b>	<b>5</b>	<b>START FRESH H2O DISPLACEMENT</b>
	<b>300</b>		<b>48</b>	<b>5</b>	<b>FINISH H2O DISPLACEMENT</b>
<b>0915</b>					<b>SHUT IN VALVE</b>
					<b>CHRG. 20 bbl. CEMENT TO PT</b>
					<b>WASH UP TRUCK</b>
<b>1000</b>					<b>JOB COMPLETE</b>
					<b>THANKS - KEVIN</b>
					<b>CLARENCE</b>
					<b>WATKINS</b>
					<b>TERPOT</b>





PAGE 1 of 1	QTY NO 1000719	INVOICE DATE 05/02/2011
INVOICE NUMBER 1718 - 90585861		

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

J LEASE NAME Lake 1  
 O  
 B LOCATION  
 COUNTY Barber  
 S STATE KS  
 I  
 T JOB DESCRIPTION Cement-New Well Casing/Pi  
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40314696	19905		Net - 30 days	06/01/2011

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 04/30/2011 to 04/30/2011</i>				
0040314696				
171804082A Cement-New Well Casing/Pi 04/30/2011 Longstring				
AA2 Cement	255.00	EA	13.09	3,337.95 T
De-foamer (Powder)	48.00	EA	3.08	147.84 T
Salt (Fine)	1,264.00	EA	0.39	486.64 T
Gas-Blok	240.00	EA	3.97	951.72 T
FLA-322	192.00	EA	5.78	1,108.80 T
Gilsonite	1,275.00	EA	0.52	657.77 T
Latch Down Plug & Baffle 5 1/2" (Blue)	1.00	EA	308.00	308.00
Auto Fill Float Shoe 5 1/2" (Blue)	1.00	EA	277.20	277.20
Turbolizer 5 1/2" (Blue)	7.00	EA	84.70	592.90
5 1/2" Basket (Blue)	2.00	EA	223.30	446.60
CS-1L KCL Substitute	5.00	EA	26.95	134.75 T
Mud Flush	500.00	EA	0.66	331.10 T
Super.Flush II	500.00	EA	1.18	589.05 T
Unit Mileage Charge-Pickups, Vans & Cars	50.00	HR	3.27	163.63
Heavy Equipment Mileage	100.00	MI	5.39	539.00
Proppant and Bulk Delivery Charges	600.00	MI	1.23	739.20
Depth Charge; 5001-6000'	1.00	HR	2,217.60	2,217.60
Blending & Mixing Service Charge	255.00	MI	1.08	274.89
Plug Container Utilization Charge	1.00	EA	192.50	192.50
Supervisor	1.00	HR	134.75	134.75

**ENTERED**  
 MAY 04 2011  
 9121BC

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	13,631.89
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	565.43
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	14,197.32
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 04082 A

21-335-11W

DATE

TICKET NO.

DATE OF JOB 4-30-11	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, Inc		LEASE Late		WELL NO. 1					
ADDRESS		COUNTY Barber		STATE Kansas					
CITY		STATE		SERVICE CREW C. Messick, M. Mattal, J. Burgardt					
AUTHORIZED BY		JOB TYPE C.N.W. - Longstring							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	PM	TIME
37,216	1						4-30-11	PM	7:00
						ARRIVED AT JOB		PM	10:00
19,903-19,905	1					START OPERATION		PM	2:00
						FINISH OPERATION		AM	3:00
19,831-21,016	1					RELEASED	4-30-11	AM	3:45
						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
CP105	AA2 Cement	sh	255		\$ 4,335 00
CC 105	Defoamer	Lb	48		\$ 192 00
CC 111	Salt (Fine)	Lb	1,264		\$ 632 00
CC 115	Gas Blok	Lb	240		\$ 1,236 00
CC 129	FLA-322	Lb	192		\$ 1,440 00
CC 201	Gilsonite	Lb	1,275		\$ 854 25
CF 607	Latch Down Plug and Raffle, 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	1		\$ 770 00
CF 1901	Basket, 5 1/2"	ea	2		\$ 580 00
C 704	CS-1L: KCL	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

DLS

SERVICE & EQUIPMENT

% TAX ON \$

MATERIALS

% TAX ON \$

TOTAL

SERVICE REPRESENTATIVE

C. Messick

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

FIELD SERVICE TICKET  
1718 ~~04003~~ - A  
Continuation

21-335-11W

DATE TICKET NO. 4032

DATE OF JOB: 4-30-11 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, Inc.				LEASE: Lake WELL NO. 1						
ADDRESS:				COUNTY: Barber		STATE: Kansas				
CITY:				SERVICE CREW: C. Messich, M. Mattal, J. Burgardt						
AUTHORIZED BY:				JOB TYPE: C. N.W. - Longstring						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
						ARRIVED AT JOB				
						START OPERATION				
						FINISH OPERATION				
						RELEASED				
						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	Bolt Delivery	fm	600	\$	960 00
CE 206	Cement Pump 500 Feet Job, 000 Feet	hrs	4	\$	2,880 00
CE 240	Blending and Mixing Service	str	255	\$	357 00
CE 504	Plug Container	Job	1	\$	250 00
S003	Service Supervisor	hrs	8	\$	175 00

SUB TOTAL  
DLS 13,631 89

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

TOTAL

CHEMICAL / ACID DATA:			

SERVICE REPRESENTATIVE:

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

FIELD SERVICE ORDER NO.

# BASIC

energy services, L.P.

## TREATMENT REPORT

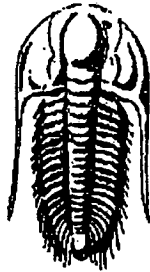
Customer: Chieftain Oil Company, Inc. Lease No.                      Date 4-30-11  
 Lease Lake Well # 1  
 Field Order # 4082 Station Pratt, Kansas Casing 5 1/2" 15.5 Lb./Ft. Depth 5,002 Ft. County Barber State Kansas  
 Type Job C.N.W. - Longstring Formation                      Legal Description 21-335-11W

PIPE DATA		PERFORATING DATA		MATERIALS USED		TREATMENT RESUME	
Casing Size <u>5 1/2"</u>	Tubing Size <u>5 1/2" 15.5 Lb./Ft.</u>	Shots/Ft. <u>225</u>	From <u>                    </u>	To <u>                    </u>	Rate <u>225 sacks AA2 with 2% Detainer</u>	Press <u>880</u>	SIP <u>FLA-322, 108 Salt</u>
Depth <u>5,002 Feet</u>	Depth <u>                    </u>	From <u>                    </u>	From <u>                    </u>	To <u>                    </u>	Max <u>18 Gas Blk, 5 Lb./Stk. Gilsonite</u>	Min <u>                    </u>	5 Min.
Volume <u>119 Bbl.</u>	Volume <u>                    </u>	From <u>                    </u>	From <u>                    </u>	To <u>                    </u>	Avg <u>15 Lb./Gal, 5.94 Gal./Stk., 1.43 CU.F.T./Stk.</u>	Min <u>                    </u>	10 Min.
Max Press <u>1,000 PSI</u>	Max Press <u>                    </u>	From <u>                    </u>	From <u>                    </u>	To <u>                    </u>	Min <u>                    </u>	Avg <u>                    </u>	15 Min.
Well Connection <u>1 1/4" Cont. Liner</u>	Annulus Vol. <u>                    </u>	From <u>                    </u>	From <u>                    </u>	To <u>                    </u>	MHP Used <u>30 sacks of above blend to plug Rat Hole</u>	Min <u>                    </u>	Annulus Pressure
Plug Depth <u>4981 Feet</u>	Packer Depth <u>                    </u>	From <u>                    </u>	From <u>                    </u>	To <u>                    </u>	Flush <u>118.5 Bbl. 2% KCL</u>	Min <u>                    </u>	Total Load

Customer Representative Ron Molz Station Manager David Scott Treater Clarence R. Messick

Service Units	<u>37,216</u>	<u>19,903</u>	<u>19,905</u>	<u>19,831</u>	<u>21,010</u>				
Driver Names	<u>Messick</u>	<u>Mattal</u>	<u>                    </u>	<u>Brugardt</u>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>10:00</u>					<u>Cementer and Float Equipment on location.</u>
<u>10:10</u>					<u>Hardt Drilling start to run Auto Fill Float Shoe, Shoe Joint with Latch Down. Baffle screwed into collar and a total of 119 Joints new 5 1/2" x 15.5 Lb./Ft. casing. A Basket was installed above collars # 2 and # 3. A Turbolizer was installed on collars # 4, 5, 9, 10, 12, 14, 15.</u>
<u>10:30 AM</u>					<u>Trucks on location and hold safety meeting. Casing in well. Circulate for 1 hour.</u>
<u>2:09</u>	<u>3,500</u>				<u>Shut in well and pressure test. Open Well.</u>
<u>2:10</u>	<u>300</u>			<u>6</u>	<u>Start Fresh Water Pre-Flush.</u>
			<u>20</u>	<u>6</u>	<u>start Mvd Flush.</u>
			<u>32</u>	<u>6</u>	<u>Start Fresh Water Spacer.</u>
	<u>300</u>		<u>42</u>	<u>6</u>	<u>Start Super Flush II.</u>
	<u>350</u>		<u>54</u>	<u>5</u>	<u>Start Fresh Water Spacer.</u>
<u>2:17</u>	<u>400</u>		<u>57</u>	<u>5</u>	<u>Start mixing 225 sacks AA2 cement.</u>
	<u>-0-</u>		<u>114</u>		<u>Stop pumping. Shut in well. Wash pump and lines. Release Latch Down Plug. Open Well.</u>
<u>2:37</u>	<u>100</u>			<u>6.5</u>	<u>Start 2% KCL Displacement.</u>
				<u>5</u>	<u>start to lift cement.</u>
<u>2:55</u>	<u>1,100</u>		<u>118.5</u>		<u>Plug down.</u>
	<u>1,700</u>				<u>Pressure up.</u>
					<u>Release pressure. Float Shoe held.</u>
	<u>-0-</u>		<u>7</u>	<u>3</u>	<u>Plug Rat Hole.</u>
					<u>Wash up pump truck.</u>
<u>3:45</u>					<u>Job Complete.</u>



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co Inc**

605 S 6th Po Box 124  
Kiowa KS 67070-1912

ATTN: Ron Molz

**21-33s-11w Barber KS**

**Lake #1**

Start Date: 2011.04.27 @ 08:53:53

End Date: 2011.04.27 @ 15:26:32

Job Ticket #: 41649                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Chieftain Oil Co Inc

Lake #1

21-33s-11w Barber KS

DST # 1

Viola

2011.04.27



**TRIOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Chieftain Oil Co Inc  
605 S 6th Po Box 124  
Kiowa KS 67070-1912  
ATTN: Ron Molz

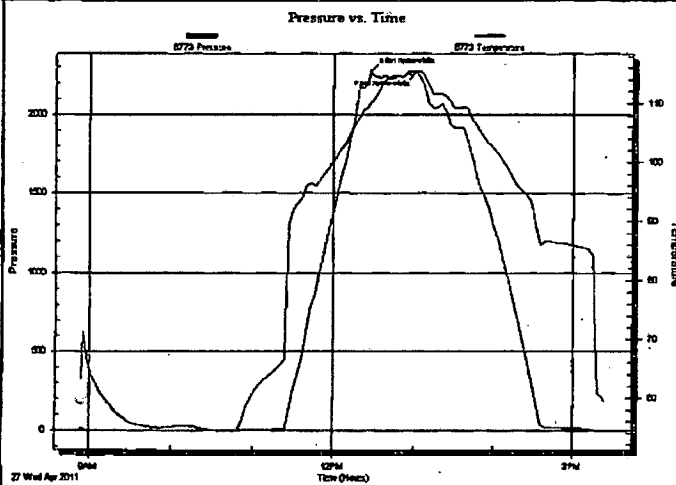
Lake #1  
21-33s-11w Barber KS  
Job Ticket: 41649 DST#: 1  
Test Start: 2011.04.27 @ 08:53:53

### GENERAL INFORMATION:

Formation: Viola  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 00:00:00  
Time Test Ended: 15:26:32  
Test Type: Conventional Bottom Hole  
Tester: Chris Staats  
Unit No: 34  
Interval: 4742.00 ft (KB) To 4760.00 ft (KB) (TVD)  
Reference Elevations: 1386.00 ft (KB)  
Total Depth: 4760.00 ft (KB) (TVD) 1376.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6773 Outside  
Press@RunDepth: psig @ 4743.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.04.27 End Date: 2011.04.27 Last Calib.: 2011.04.27  
Start Time: 08:53:53 End Time: 15:26:32 Time On Btm: 2011.04.27 @ 12:28:03  
Time Off Btm: 2011.04.27 @ 13:01:33

TEST COMMENT: Miss run LOST CIRCULATION



### PRESSURE SUMMARY

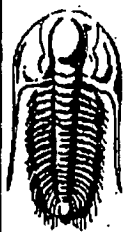
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.57	110.11	Initial Hydro-static
34	2267.82	115.42	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)

### Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mc/d)



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Chieftain Oil Co Inc  
605 S 6th Po Box 124  
Klowa KS 67070-1912

Lake #1  
21-33s-11w Barber KS  
Job Ticket: 41649      DST#: 1  
Test Start: 2011.04.27 @ 08:53:53

ATTN: Ron Molz

### Tool Information

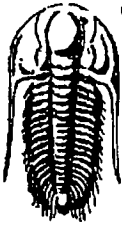
Drill Pipe:	Length: 4810.00 ft	Diameter: 3.80 inches	Volume: 64.67 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 65.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4742.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.25 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4719.00	
Shut In Tool	5.00			4724.00	
Hydraulic tool	5.00			4729.00	
Safety Joint	3.00			4732.00	
Packer	5.00			4737.00	24.00 Bottom Of Top Packer
Packer	5.00			4742.00	
Stubb	1.00			4743.00	
Recorder	0.00	6773	Outside	4743.00	
Recorder	0.00	8166	Outside	4743.00	
Perforations	14.00			4757.00	
Bullnose	3.00			4760.00	18.00 Bottom Packers & Anchor

**Total Tool Length: 42.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Chieftain Oil Co Inc  
605 S 6th Po Box 124  
Kiowa KS 67070-1912

Lake #1  
21-33s-11w Barber KS  
Job Ticket: 41649      DST#: 1  
Test Start: 2011.04.27 @ 08:53:53

ATTN: Ron Molz

**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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: 0.02 inches			

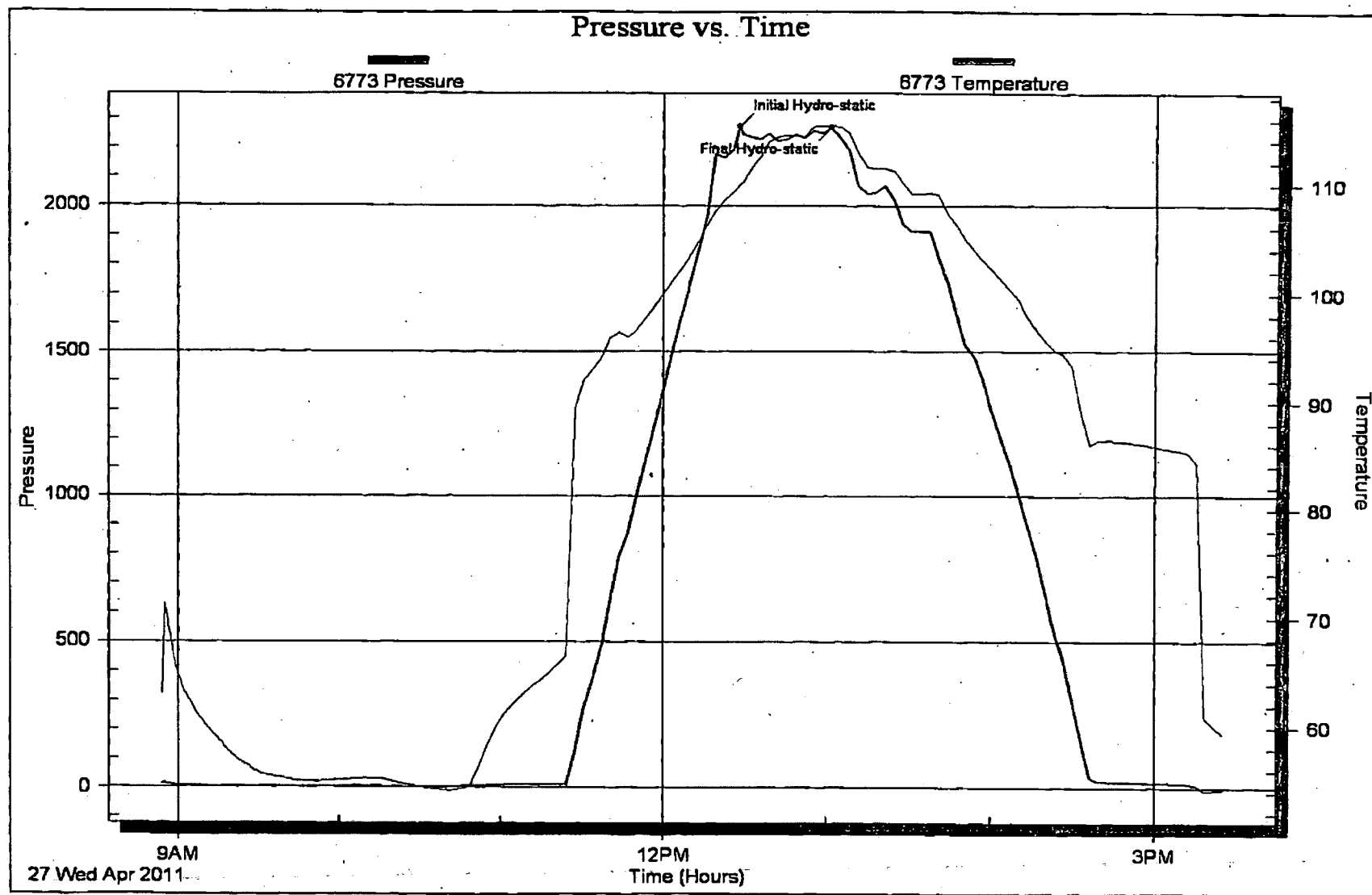
**Recovery Information**

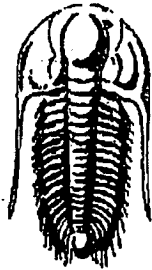
Recovery Table

Length ft	Description	Volume bbl

Total Length:                      ft      Total Volume:                      bbl  
 Num Fluid Samples: 0                      Num Gas Bombs: 0                      Serial #:  
 Laboratory Name:                      Laboratory Location:  
 Recovery Comments:







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Chieftain Oil Co Inc**

605 S 6th Po Box 124  
Kiowa KS 67070-1912

ATTN: Ron Molz

**21-33s-11w Barber KS**

**Lake #1**

Start Date: 2011.04.27 @ 21:51:44

End Date: 2011.04.28 @ 07:47:14

Job Ticket #: 41650      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Chieftain Oil Co Inc

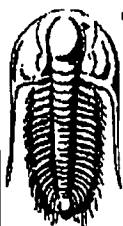
Lake #1

21-33s-11w Barber KS

DST # 2

Viola

2011.04.27



**TRIBOLITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Chieftain Oil Co Inc  
605 S 6th Po Box 124  
Kiowa KS 67070-1912  
ATTN: Ron Moiz

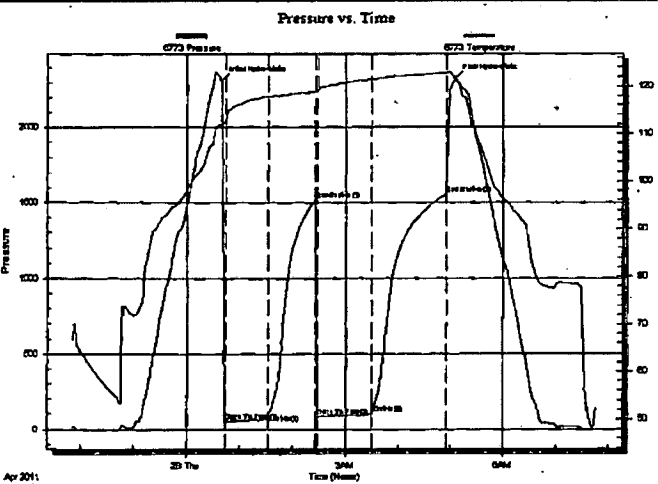
Lake #1  
21-33s-11w Barber KS  
Job Ticket: 41650 DST#: 2  
Test Start: 2011.04.27 @ 21:51:44

## GENERAL INFORMATION:

Formation: Viola  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 00:43:29  
Time Test Ended: 07:47:14  
Test Type: Conventional Bottom Hole  
Tester: Chris Staats  
Unit No: 34  
Interval: 4742.00 ft (KB) To 4760.00 ft (KB) (TVD)  
Reference Elevations: 1386.00 ft (KB)  
Total Depth: 4760.00 ft (KB) (TVD) 1376.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6773 Outside  
Press@RunDepth: 104.74 psig @ 4743.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.04.27 End Date: 2011.04.28 Last Calib.: 2011.04.28  
Start Time: 21:51:49 End Time: 07:47:14 Time On Btm: 2011.04.28 @ 00:39:29  
Time Off Btm: 2011.04.28 @ 05:05:29

TEST COMMENT: IF: Strong blow BOB in 18 min  
IS: No blow back  
FF: Strong blow BOB 47 min  
FS: No blow back



## PRESSURE SUMMARY

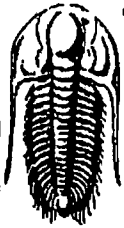
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2316.52	111.81	Initial Hydro-static
4	50.30	112.71	Open To Flow (1)
54	94.11	117.86	Shut-In(1)
107	1517.64	118.81	End Shut-In(1)
109	82.65	119.49	Open To Flow (2)
170	104.74	121.49	Shut-In(2)
256	1553.94	122.79	End Shut-In(2)
266	2331.21	121.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	560' GIP	0.00
152.00	G,O,CW,M 2%oil 8%gas 45%w ater 45% m1.03	

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Chieftain Oil Co Inc

Lake #1

605 S 6th Po Box 124  
Kiowa KS 67070-1912

21-33s-11w Barber KS

Job Ticket: 41650

DST#: 2

ATTN: Ron Moz

Test Start: 2011.04.27 @ 21:51:44

### Tool Information

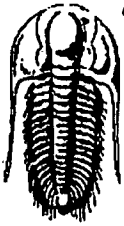
Drill Pipe:	Length: 4610.00 ft	Diameter: 3.80 inches	Volume: 64.67 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 65.27 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4742.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.25 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4719.00	
Shut In Tool	5.00			4724.00	
Hydraulic tool	5.00			4729.00	
Safety Joint	3.00			4732.00	
Packer	5.00			4737.00	24.00 Bottom Of Top Packer
Packer	5.00			4742.00	
Stubb	1.00			4743.00	
Recorder	0.00	6773	Outside	4743.00	
Recorder	0.00	8166	Outside	4743.00	
Perforations	14.00			4757.00	
Bullnose	3.00			4760.00	18.00 Bottom Packers & Anchor

**Total Tool Length: 42.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Chieftain Oil Co Inc  
605 S 6th Po Box 124  
Kiowa KS 67070-1912

Lake #1  
21-33s-11w Barber KS  
Job Ticket: 41650      DST#: 2  
Test Start: 2011.04.27 @ 21:51:44

ATTN: Ron Molz

**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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.02 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	560' GIP	0.000
152.00	G,O,C,W,M 2%oil 8%gas 45%w ater 45% mud	1.030

Total Length: 152.00 ft      Total Volume: 1.030 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

