



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1065568

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

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

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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ 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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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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 HARDT 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, DUCL
INDUCTION, COMPENSATED NEUTRON
& DENSITY, S.P. & CALIPER

FORMATION TOPS

SAMPLE

ELECTRIC LOG

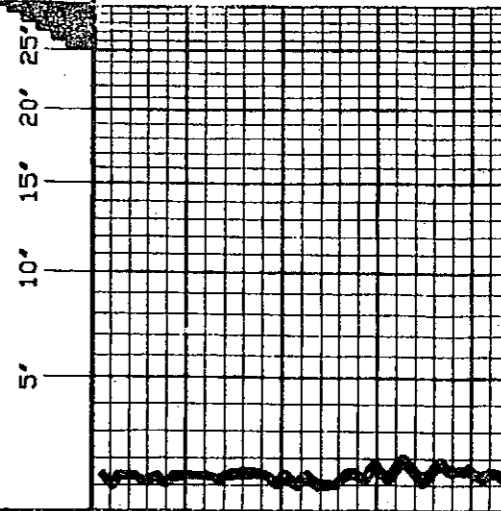
HEEBNER	3570 (-2184)	3572 (-2186)
LANSING	3756 (-2360)	3756 (-2360)
CHEROKEE	4428 (-3042)	4428 (-3042)
MISSISSIPPIAN	4434 (-3048)	4435 (-3049)
KINDERHOOK	4626 (-3240)	4631 (-3245)
VIOLA	4747 (-3361)	4750 (-3364)
SIMPSON	4845 (-3459)	4844 (-3458)
SIMPSON SAND	4862 (-3476)	4866 (-3480)
ARBUCKLE	4987 (-3601)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

LEGEND

	Dolomite
	Chert
	Dol. Lime
	Limestone
	Carb sh
	Shale
	Sandstone
	Salt
	Anhydrite

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Increases



DEPTH
3400

20

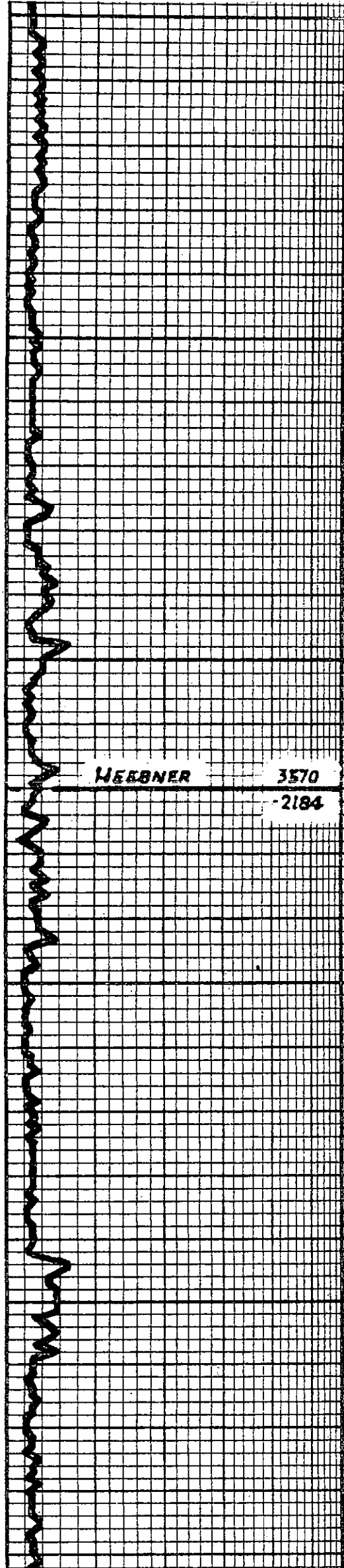
40

LITHOLOGY

REMARKS

SAMPLE DESCRIPTIONS

REMARKS



WEBBNER 3570
-2184

SH. MED TO DV. GR. TO SPECKLED SIL
SILT. GR. GR. & BLK

SH. AS ABOVE W. V. SCAT. TAN & BRN.
EN. Y. N. DENSE. HARD LM.

SAME AS ABOVE W. V. SCAT. BLK. TR
CORR. SU.

SH. DV. GR. & BLK. (CORR. IN PART) W.
V. SCAT. BRN. DENSE. HARD LM.

SIL. BLK. CORR. & GR. W. SCAT. LM. AS
ABOVE

LM. GR. BRN. & GR. SUB. CHILKY TO
DENSE & HARD. W. SCAT. MED. TO DV. GR.
& BLK. SU.

SH. MED. TO DV. GR. SM. BLK. & TR
GR. GR. W. V. SCAT. LM. AS ABOVE

SAME AS ABOVE

LM. W. GR. BRN. BLUE. GR. & IM. BRN. EN
XIN. SUB. CHILKY & TR. CHILKY TO DENSE
& HARD

SH. MED. GR. GR. GR. TR. SILTY W.
SCAT. LM. AS ABOVE

SH. MED. GR. W. SM. DV. GR. & GR. GR.

3700

20

40

60

80

3800

20

40

60

80

3900

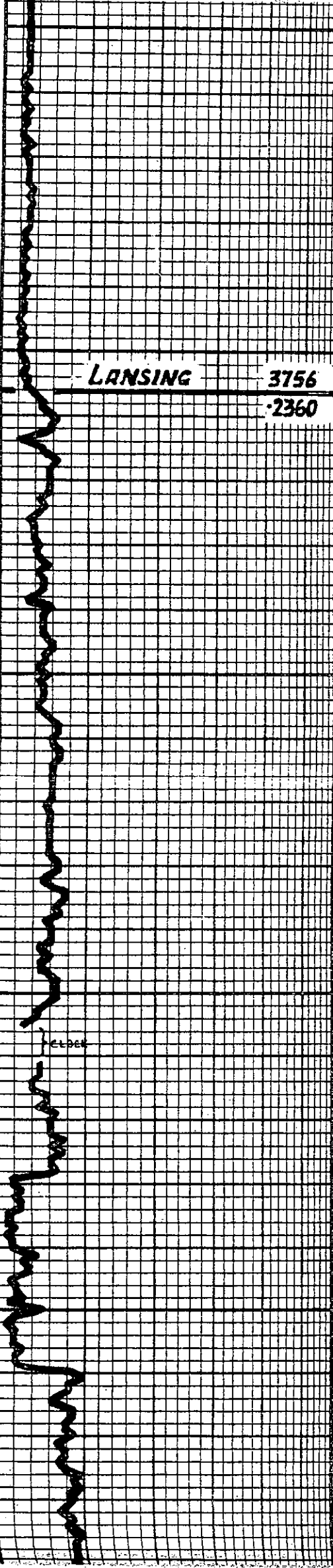
20

40

LANSING

3756

2360



SAME AS ABOVE W/ TR BLK SM

SAME AS ABOVE

CH. MED TO DK GRY. GRY. GRN. & TR BLK

1M. BUFE. GRY & TAN. EN YIN. PRED DENSE. HARD 1M. W/ CONS. SH AS ABOVE

1M. WH. CRM. BUFE. GRY & TAN. EN YIN. SUB-CHILKY & TR. CHILKY TO DENSE & HARD

1M. CRM. BUFE. GRY & TAN. EN YIN. SUB-CHILKY TO DENSE & HARD

1M. WH. CRM. BUFE. GRY & TAN. EN YIN. SUB-CHILKY & TR. CHILKY TO DENSE & HARD

1M. CRM. BUFE. GRY & TAN. EN YIN. SUB-CHILKY TO DENSE & HARD

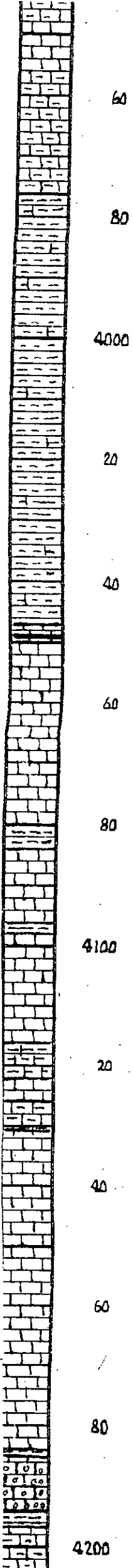
ELDER

1M. AS ABOVE W/ MED TO DK GRY. GRY. GRN. & BLK SM

1M. LT GRY & BUFE. EN. SM. INTER. YIN & VIG. DAR. N.S. - TR WH. CHILKY 1M.

1M. AS ABOVE PLUS CONS. MED TO DK GRY. GRY. GRN. & TR BLK SM

1M. BUFE. GRY & TAN. EN YIN. SUB-CHILKY TO DENSE & HARD IN. SM AS ABOVE



POOR 2000 & TO VILG. DOR. N.S. PLUS
MED TO DV. GRY. SM. GRY. GRN. & BLK. SH

SH. MED TO DV. GRY. GRY. GRN. MAR. RED
TO BLK. W. BLUE. TAN. (PROD. BRN. EN. XIN.
SUB. CHLY. TO PROD. DENSE. HORD. IM.

SH. MED TO DV. GRY. GRY. GRN. MAR. &
BLK. W. V. SCOT. IM. AS ABOVE.

SH. AS ABOVE W. SM. RED. CH. V. SCOT. IM.
AS ABOVE.

SH. IM. AS ABOVE.

SH. MED TO DV. GRY. BLK. & SM. GRY. GRN.
W. DV. GRY. & GRN. EN. YIN. DENSE. HORD. IM.

SH. IS ABOVE W. BLUE. BRN. & DV. GRY.
PROD. DENSE. HORD. IM. BLUE. TAN. GRY.
FRESH. SUBP. SUB. TRANS. CHPT. TO CHLY.
(TO INTER. XIN. & DOR. VILG. DOR. N.S.)

LM. GRN. BLUE. GRY. TAN. EN. XIN. SUB.
CHLY. TO DENSE. & HORD. W. MED. TO DV.
GRY. & GRY. GRN. SH.

LM. W. CRD. BLUE. GRY. TAN. EN. YIN.
SUB. CHLY. & SUB. CHLY. TO SCOT. DOR.
HARD. SCOT. DOR. (TO CHLY. IM. W. DOR.
TO TR. BLUE. DOR. DOR. N.S.)

LM. AS ABOVE W. MED. TO DV. GRY. & GRY.
GRN. SH.

LM. BLUE. GRY. TAN. EN. XIN. SUB.
CHLY. TO DENSE. & HORD. - CONS. SH. AS
ABOVE.

SAME AS ABOVE PLUS SM. LT. GRY. EN.
XIN. SUB. TRANS. CHPT.

LM. BLUE. GRY. TAN. & TO BRN. EN. XIN.
SUB. CHLY. TO DENSE. & HORD. W. LT. GRY.
& TAN. FRESH. SUB. TRANS. CHPT. & CONS.
MED. TO DV. GRY. GRY. GRN. GENER. BLK. SH.

LM. TAN. & BRN. MIXED IN PART. EN. XIN.
DOR. IM. W. SM. GOOD. DOR. N.S.



4200

STARK

4212

32 UNITS

-2826

000' LM W SP GOOD BDR ALS

SH-MED TO DK GRY GRN-CRN GRN BLV
IN BLUE TAN & BRN EN XLA SUB-CHLY
TO DENSE HARD LM

20

SH-BLV CARB W MED TO DK GRY GRN
& GRN CRN PILLS CRN BLUE GRN TAN
EN XLA SUB-CHLY TO DENSE HARD LM

HUSHPICKNEY

4239

68 UNITS

-2853

SH-BLV CARB IN SL AS ABOVE BLUE LM
AS ABOVE

40

SH-MED TO DK GRY GRN-CRN BLV W
CRN SUB GRN TAN BRN EN XLA SUB-
CHLY TO DENSE HARD LM

60

BASE K.C.

4273

-2887

SH-MED TO DK GRY GRN-CRN BLV
(CARB IN PART) W LM AS ABOVE

80

SH LM AS ABOVE IN SL INCR IN LM &
BLV (CARB IN PART) SH

4300

SH-MED TO DK GRY BLV GRN-CRN &
SH GRN W SP CRN BLUE GRN TAN BRN
EN XLA SUB-CHLY TO DENSE HARD LM

20

SH-MED TO DK GRY GRN-CRN BLV &
BRN W CONS LT GRY BLUE TAN EN XLA
SUB-CHLY TO DENSE HARD LM

40

ALTRAMONT

4352

-2966

LM BLUE GRN & TAN EN XLA SUB-CHLY
TO DENSE HARD W SH AS ABOVE

60

SH-BLV CARB W LM & SH AS ABOVE

80

PRUNEE

4385

-2999

LM-CRN BLUE LT GRN TAN EN XLA
SUB-CHLY TO DENSE HARD W SP
BLV (CARB) DK GRY GRN-SH

4400

SH-BLV CARB - PRED LM SH AS
ABOVE

20

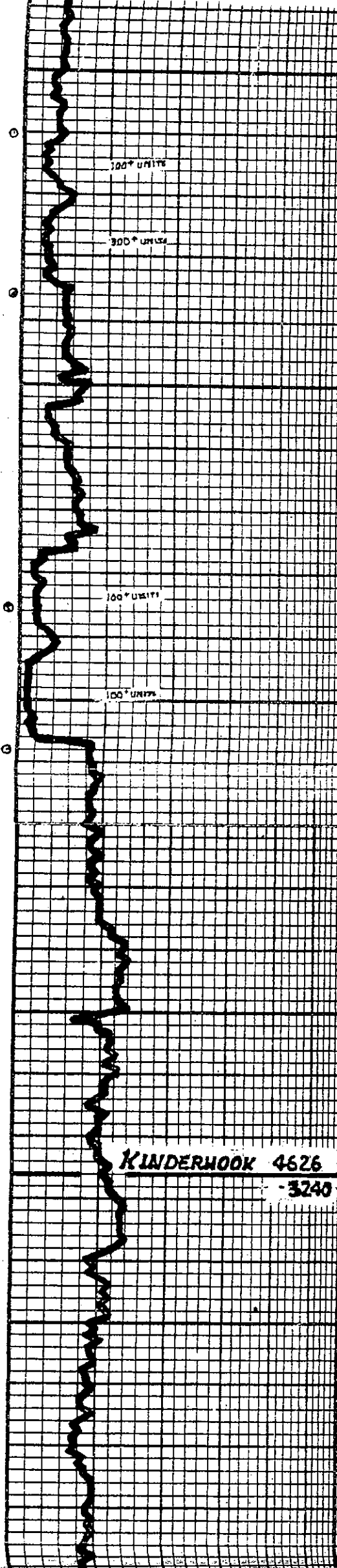
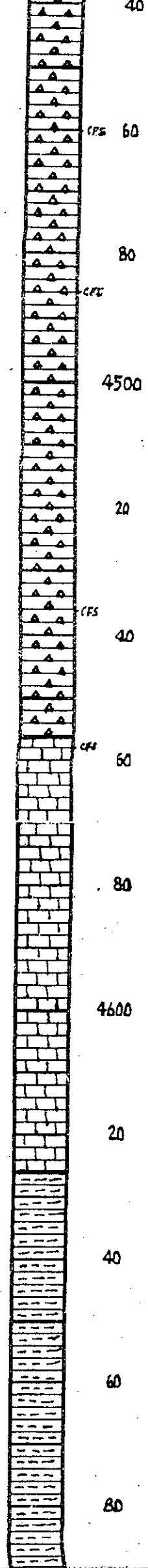
CHEROKEE

4428

MISSISSIPPIAN

3042

0120(-3000)



(4560) CURT. LT. GRAY BLUE-GRY. & TR. TAN. FRESH SUB-TRANSL. WITH FINE SHARP W. LM & SH. AS ABOVE - GARY ODOR?

SAME AS ABOVE

(4565) CURT. TAN. & LT. GRY. DUNIT & WEATH. W. W. SM. FINE WEATH. POR. & SCAT. FINE VUG. POR. SPOTTY TO TR. SAT. TAN. STN. GAS. BUBBLES TO TINY TAN. OIL DROPLETS & LT. GRY. BLUE-GRY. CURT. AS ABOVE. WEAK ODOR

SAME AS ABOVE

(4536) SPI. F. BRED. SH. - V. BRED. SAMPLE ONLY TO SAMPLE IN BOX

(4546) (60 MIN.) CURT. W. LT. GRY. & YELLOW FRESH SUB-TRANSL. TO BRED. BRAC. & NEAR. BLACKY TO SEM. VUG. & EDGES. W. SM. FINE POR. & SCAT. FINE VUG. POR. SPOTTY TO TR. SAT. STN. GAS. BUBBLES & TINY OIL DROPLETS. WEAK ODOR

(4558) CURT. W. LT. GRY. & YELLOW SUB-TRANSL. TO BRED. BRAC. SHARP TO BLACKY. BRAC. & DUNIT. POR. (SPOTTY) TO GAS. BUBBLES & TINY GASSY OIL DROPLETS. GRABING TO BRED. W. LT. GRY. W. GOOD WEATH. VUGGY & SM. TRIP. POR. SPOTTY TO BRED. V. SAT. STN. GAS. BUBBLES & LIVE OIL (OIL BALLS) OILING & FLOATING ON WATER. SM. DROPLETS. LISTLESS. STINKY & DEFORMED. CONC. OIL FLOATING ON WATER - STRONG ODOR

CURT. AS ABOVE. BRED. BRED. FRESH W. SCAT. FINE & TAN. FINE. BRED. DENSE. HARD. LM. - FINE ODOR

LM. AS ABOVE. BRED. DUNIT. HARD. W. BRED. CURT. AS ABOVE.

SAME AS ABOVE

KINDERHOOK 4626 - 3240

LM. & CURT. AS ABOVE. W. MED. TO DK. GRY. BLK. & GRN. SH.

SH. MED. TO DK. GRY. GRN. & SM. BLK.

SH. MED. TO DK. GRY. GRY. GRN. & SM. BLK. SP. LATER. V. IN PORT.

SH. MED. TO DK. GRY. BLK. & TR. GRN.

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

CHATTANOOGA 4710

3524

VIOLA 4747

3361

SIMPSON 4845

3459

SIMPSON SAND 4865

3479

SH. MED TO DK GRY & BLK (PART CARB)
W. TR GRY-GRN SILTY IN PART

SH. DK GRY & BLK. CARB. TR DOLO. TR BOLD
SPORE BEARING.

SH. BLK. BRN. W. BLK. DV GRY. SILTY DOLO
& SPORE BEARING.

SH. BLK & BRN. SH. BLK. DE GRY. CARB.
TR DOLO. AND SPORES

4750 DOLO. V. SILTY. LT GRY. EN. TAN. NEAR
MED. YLN. INTER. YLN. I. BOOR. MUG. BOO.
BOOR. Y. LT. STN. GAS. BUBBLES &
GASSY OIL. PROPLETS. WEAK. ODOOR.

LM. W. CR. BLUE. GR. & TAN. EN. TAN.
SUB. CHUKY. & TR. CHUKY. TO. OATE. HARD.
W. TAN. & BRN. TR. TAN. BLK. SP. (FRESH)
DULL. OIL.

LM & CPT AS ABOVE.

LM. W. CR. BLUE. GR. & TAN. EN. TAN.
CHUKY. & SUB. CHUKY. TO. DENSE. HARD.
W. TAN. & GRY. BRN. FRESH. SIL. BLK.
SP. DULL. OIL.

LM. DOLO. OR. DOLO. LM. BLUE. TAN.
& TR. BRN. EN. TAN. SUB. CHUKY. TO. PREN.
TENSE. & HARD. W. CONC. CPT. AS. ABV.

SAME AS ABOVE W. DOLO. GRN &
MED GRY. SH.

4870 DOLO. SCAT. LT. GRY. & GRN. BLK. SCAT.
GRY. GRN. DOLO. SOFT. BRD. DENSE. &
HARD. BOOR. ALL. N. S.

4870 (60 MIN'S) SAME W. V. SCAT. LT. GRY. &
BLUE. EN. GRAINED. ATZ. SOFT. HARD.
BLU. FRI. CL. PAR. SUB. RINGED. TO. WELL.
PAID. GRANS. V. COMP. IN. BOOR. BOO.
TR. TINY. SCAT. CLEAR. ALL. DRAPLETS.
NO. ODOOR. OR. S. K.

4870 SCAT. NEAR. CLEAR. SUB. ANG. TO. SUB. END.
CLUSTERS. W. BOOR. BOO. FRIAL. CLUSTERS. W.
V. LT. TAN. SOFTY. STR. N. S. PLUS. AND.
DOLO. SH. NO. ODOOR.

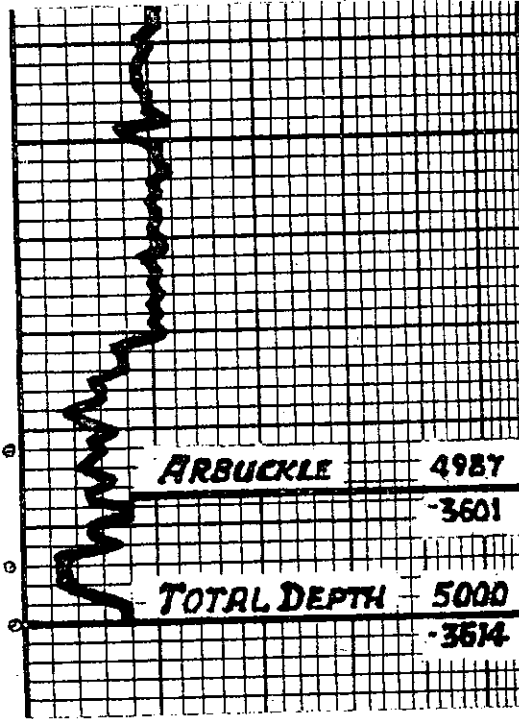
4870 STY. FT. GRY. & BLUE. EN. GRAINED. SUB.
HARD. TO. WELL. END. PR. COUBLE. CLUSTERS.
W. GR. P. L. OR. & LT. TAN. TAN. GASSY. OIL.
DRAPLETS. (FRESH). AND. CLUSTERS. W. NO.
FLUOR. & BARREN. NO. ODOOR.

STY. SCAT. BOOR. DIESEL. AS. ABOVE. W.
TAN. BLK. ELECT. DOLO. (SILTY). LM. SOFT.
EN. TAN. PREN. TYP. W. FEM. SUB. RINGED.
MED. SIZE. ATZ. GRANS. IN. REDDED. N. S. W.
CONC. MED. TO. DV. GRY. & BLK. SH.

SH. MED. TO. DV. GRY. TAN. BLK. & GRN. W.
W. SOFT. AS. ABOVE. (SILTY?)

DST No. 1 (4742-4760)
45-60-60-90
FAIR BLOW B.O.B. IN 18 MIN'S
(1 1/2 OPEN)
FAIR BLOW B.O.B. IN 47 MIN'S
REC: 560' GAS IN PIPE,
152' GASSY OIL CUT WTRY MUD
(8% G 2% OIL 45% W 45% M.)
1918/1518# FSLP/1554#
IFP/50-90# FFP/83-105#
TEMP 122°F
STRAIGHT HOLE SURVEY 4760'
DEVIATION = 1 1/2°
STRAP PIPE @ 4760'
STRAP 4759.08'
BOARD 4757.27'
STRAP LONG 1.81'

40
60
80
5000



SH. COST AS ABOVE

SH. AQUA. GRV. BLK. & GRN.

(GRN) SDTY. BLUE & LT GRV. ENGRAINED W. TP
MED. GRAINS IMBEDDED, HARD CUTTERS
FR. D. FOL. P. 000. INT. GRN. POR. N. S. PULL
SDTY. LT GRV. BLK. SDTY. GR. EN. & INT. GRN. 0
V. SL. SILTY. POR. N. N. S. - ADD AQUA. SH.

(GRN) DOLA. SL. LIMY IN PART. BLUE & TAN. EN
VIA. PRED. DEUCE & HARD PLUS CONE SD
AS ABOVE.



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

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 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		
40310418	19905		Net - 30 days	05/21/2011		
			QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 04/19/2011 to 04/19/2011</i>						
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						

ENTERED
 MAY 04 2011
 9121

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	8,803.85
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	427.98
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	9,231.83
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

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	AM	10:00
		21010	2			ARRIVED AT JOB	4-19-11	PM	1:00
19903-19905	.5					START OPERATION		PM	2:45
19960-19918	.5	19907	2			FINISH OPERATION		PM	3:15
						RELEASED	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	Cellflatre	Lb	82		\$ 303.40
CC 109	Calcium Chloride	Lb	840		\$ 882.00
CC 102	CELLFLATRE	Lb	88		\$ 325.60
CC 131	Sugar	Lb	50		\$ 100.00
CC 109	CALCIUM CHLORIDE	Lb	903		\$ 948.15
E 100	Pickup 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
S003	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: *Arvencia R. Messick*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer Chieftain Oil Company, Inc.	Lease No. Well # 1	Date 4-19-11
Field Order # 4076	Station Pratt, Kansas	Casing 13 3/8 48lb
Type Job C.N.W. - Conductor	Depth 320 Feet	County Barber
	Formation	State Kansas
		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	Depth	From	To	28 Gal	38 Calcium Chloride	25 lb./sh. cell	8 Min	flake
Volume 50.24 Bbl.	Volume	From	To	14.8 lb	7 Gal.	5.18 Gal	10 Min.	1.21 cu. ft./sh.
Max Press 300 P.S.I.	Max Press	From	To				15 Min.	
Well Connection Swedged	Annulus Vol 2 Valve	From	To			HHP Used		Annulus Pressure
Plug Depth 310 Feet	Packer Depth	From	To	Flush	48.5 Bbl.	Fresh Water		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 P.M.	418-11				Cement truck and pump truck on location.
1:00 A.M.	4-14-11				Cement on location and hold safety meeting.
1:15	Hardt	Drilling			start to run 8 Joints Limited Service 48lb/ft. 13 3/8 casing.
2:30					casing in well. Circulate for 15 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, Milte
					FRESH HO WELL MAKES
					BAD WATER - SALT
					1.020 sp 18,000 cu/ml.
0445					Hook up PSC Pump and
					CIRCULATE CEMENT OUT
					OF WELL. ORDER CEMENT
					TO RECONMENT.

Customer: CHIEFMAN OIL CO. Lease No. _____ Date: 4-19-11
 Lease: LAKE Well #: 1
 Field Order #: 4010 Station: PRATT KS Casing: 13 3/8 Depth: 320 County: BARBER State: Ks.
 Type Job: CNW - CONDUCTOR Formation: _____ Legal Description: ZI-33-11

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	From	To	Acid	RATE	PRESS	ISIP
<u>13 3/8</u>		<u>350</u>			<u>5% 60/40 P02</u>			
<u>320</u>			<u>29%</u>		<u>GEL 3% CC</u>	<u>1/4 #</u>		<u>SK CELLFIBRE</u>
<u>50.24</u>			<u>14.1</u>		<u>8 ppq, 5.18</u>	<u>1/2 #</u>		<u>1.21</u>
<u>300</u>								<u>15 Min.</u>
<u>SWELCH 4UMOL</u>								<u>Annulus Pressure</u>
<u>310</u>					<u>48.5 bbl.</u>			<u>Total Load</u>

Customer Representative: SCOTT Station Manager: SCOTT Treater: CLARENCE
 Service Units: 37216 19903-19905 19831-21010 19907
 Driver Names: MESSER MAYNARD JERRON KEVIN

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>0730</u>					<u>CEMENT ON LOCATION</u> <u>WELL WAS CALCULATED</u> <u>CLEAN AND CIRCULATED</u> <u>FOR 2 1/2 HOURS.</u>
<u>0800</u>					<u>H2O TRUCK ON LOCATION</u>
<u>0830</u>	<u>250</u>		<u>10</u>	<u>5</u>	<u>STARTS FRESH WATER PREP</u>
	<u>250</u>		<u>0</u>	<u>5</u>	<u>START MIX 350 SIL 60/40</u> <u>P02 2% GEL 3% CC, 1/4 # CELLFIBRE</u>
	<u>100</u>		<u>75</u>	<u>5</u>	<u>FINISH MIX CEMENT</u>
	<u>100</u>		<u>0</u>	<u>5</u>	<u>START FRESH H2O DISPLACEMENT</u>
	<u>360</u>		<u>48</u>	<u>5</u>	<u>FINISH H2O DISPLACEMENT</u> <u>SHUT IN VALVE</u>
<u>0915</u>					<u>CIRC. 20 bbl. CEMENT TO PT</u>
<u>1000</u>					<u>WASH UP TRUCK</u> <u>JOB COMPLETE</u>

THANKS - KEVIN
 CLARENCE
 MIKE
 JERRON



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

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

J LEASE NAME Lake 1
 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
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: Chiefain 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	TIME
37,216	1						4-30-11	7:00 PM
						ARRIVED AT JOB		10:00 PM
19,903-19,905	1					START OPERATION		2:00 AM
						FINISH OPERATION		3:00 AM
19,831-21,016	1					RELEASED	4-30-11	3:45 AM
						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
CC105	Defoamer	Lb	48		\$ 192 00
CC111	Salt (Fine)	Lb	1,264		\$ 632 00
CC115	Gas Blox	Lb	240		\$ 1,236 00
CC129	FLA-322	Lb	192		\$ 1,440 00
CC201	Gilsonite	Lb	1,275		\$ 854 25
CF607	Latch Down Plug and Baffle, 5 1/2"	ea	1		\$ 400 00
CF1251	Auto Fill Float Shoe, 5 1/2"	ea	1		\$ 360 00
CF1651	Turbolizer, 5 1/2"	ea	7		\$ 770 00
CF1901	Basket, 5 1/2"	ea	2		\$ 580 00
C704	CS-1L: KCL	Gal	5		\$ 175 00
CC151	Mud Flush	Gal	500		\$ 430 00
CC155	Super Flush II	Gal	500		\$ 765 00

CHEMICAL / ACID DATA:

SUB TOTAL

DLS

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

TOTAL

SERVICE REPRESENTATIVE: Charles Messick

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



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 ~~84033~~ - A

Continuation

21-335-11W

DATE TICKET NO. 4082

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:		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	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).

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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: 5,000 Feet Tab, 000 Feet	hrs	4	\$	2,880 00
CE 240	Blending and Mixing Service	str	255	\$	357 00
CF 504	Plug Container	Job	1	\$	250 00
S003	Service Supervisor	hrs.	8	\$	175 00

CHEMICAL / ACID DATA:			

SUB TOTAL		DLS 13,631 89
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

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

BASIC

energy services, L.P.

TREATMENT REPORT

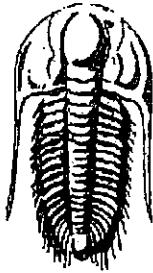
Customer Chieftain Oil Company, Inc.	Lease No. Well # 1	Date 4-30-11
Lease Lake	Field Order # 4082	Station Pratt, Kansas
Type Job C.N.W. - Longstring	Casing 5 1/2 15.5 Lb	Depth 5,002 Ft
	County Barber	State Kansas
	Formation	Legal Description 21-335-11W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME	
Casing Size 5 1/2	Tubing Size 15.5 Lb/Ft	Shots/Ft	225	Sacks	225	Rate	28 Deframer
Depth 5,002 Feet	Depth	From	To	Gas	18	Press	.88
Volume 119 Bbl	Volume	From	To	Block	5 Lb/lst	SIP	FLA-322, 108 Salt
Max Press 1,000 PSI	Max Press	From	To	Gal	5.94 Gal/5ft	Min	10 Min
Well Connection Plug Container	Annulus Vol.	From	To	Flush	118.5 Bbl	Avg	15 Min
Plug Depth 498 Feet	Packer Depth	From	To	Gas Volume		HHP Used	Annulus Pressure
							Total Load

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

Service Units	37,216	19,903	19,905	19,831	21,010
Driver Names	Messick	Mittal	Brugardt		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00					Cementer and Float Equipment on location.
10:10					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, 11, 12, 14, 15.
10:30 AM					Trips on location and hold safety meeting. Casing in well. Circulate for 1 hour.
2:09	3,500				Shut in well and pressure test. Open Well.
2:10	300			6	Start Fresh Water Pre-Flush.
			20	6	Start Mud Flush.
			32	6	Start Fresh Water Spacer.
	300		42	6	Start Super Flush II.
	350		54	5	Start Fresh Water Spacer.
2:17	400		57	5	Start mixing 225 sacks AA2 cement.
	-0-		114		Stop pumping. Shut in well. Wash pump and lines. Release Latch Down Plug. Open Well.
2:37	100			6.5	Start 28 HCL Displacement.
				5	Start to lift cement.
2:55	1,100		118.5		Plug down.
	1,700				Pressure up.
					Release pressure. Float Shoe held.
	-0-		7	3	Plug Rat Hole.
					Wash up pump truck.
3:45					Job Complete.



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

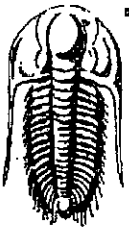
Lake #1

21-33s-11w Barber KS

DST # 1

Viola

2011.04.27



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

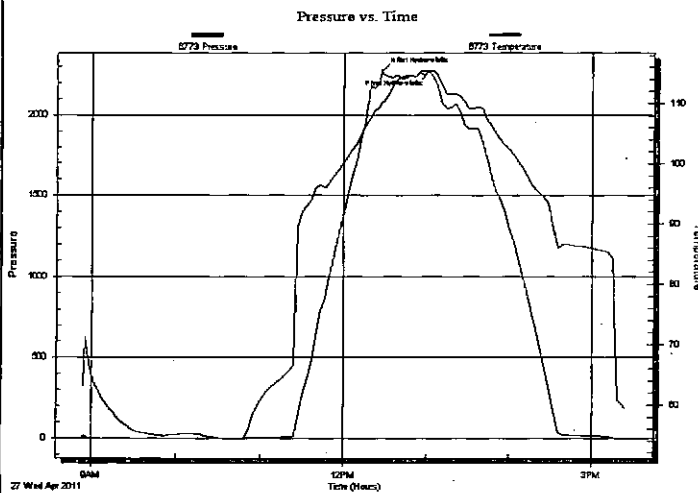
Lake #1
21-33s-11w Barber KS
Job Ticket: 41649 DST#: 1
Test Start: 2011.04.27 @ 08:53:53

GENERAL INFORMATION:

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

Serial #: **6773** Outside
 Press@RunDepth: psig @ 4743.00 ft (KB)
 Start Date: 2011.04.27 End Date: 2011.04.27
 Start Time: 08:53:53 End Time: 15:26:32
 Capacity: 8000.00 psig
 Last Calib.: 2011.04.27
 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

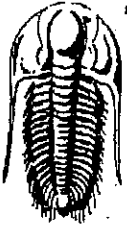
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.57	110.11	Initial Hydro-static
34	2267.82	115.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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 Moz

Tool Information

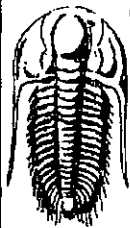
Drill Pipe:	Length: 4610.00 ft	Diameter: 3.80 inches	Volume: 64.67 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 78000.00 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
ATTN: Ron Moiz

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

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.18 in³
Resistivity: 0.00 ohm.m
Salinity: 4800.00 ppm
Filter Cake: 0.02 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

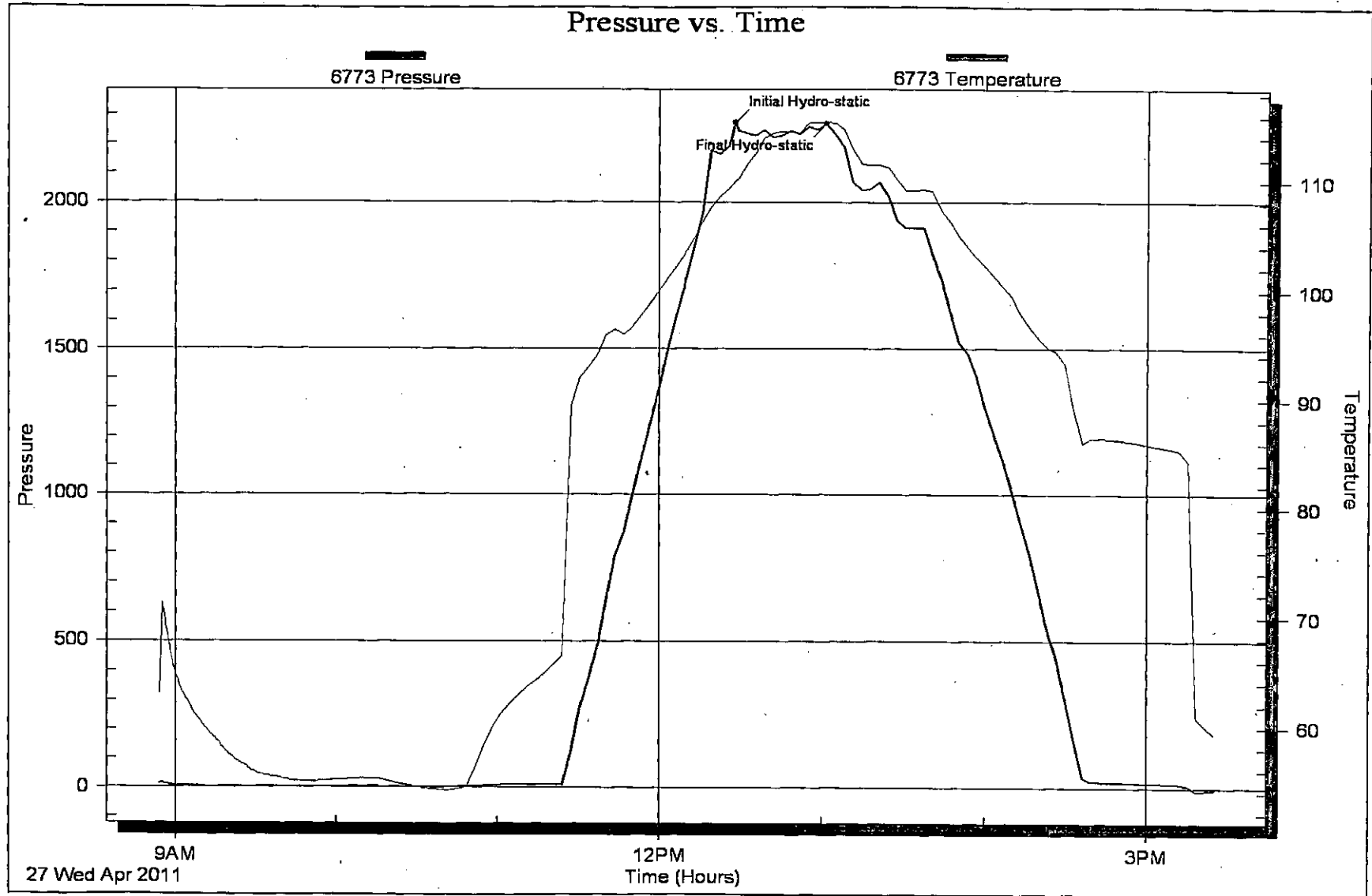
Oil API: deg API
Water Salinity: ppm

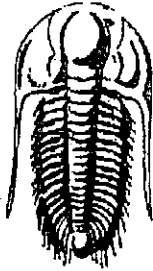
Recovery Information

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

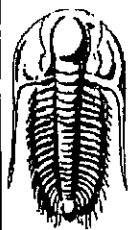
End Date: 2011.04.28 @ 07:47:14

Job Ticket #: 41650 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



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DRILL STEM TEST REPORT

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

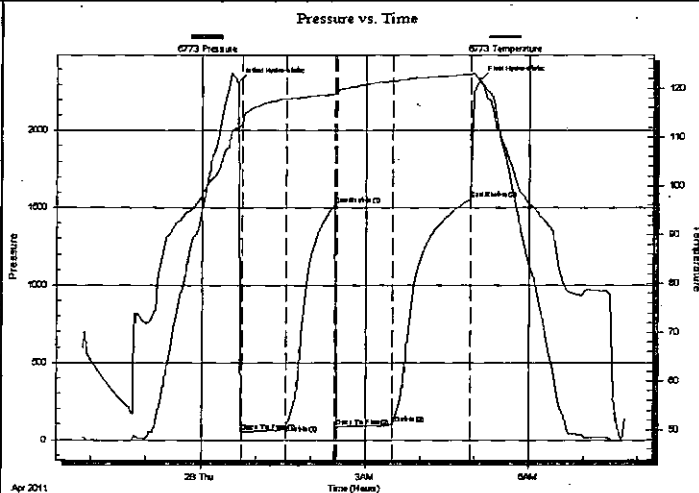
Lake #1
21-33s-11w Barber KS
Job Ticket: 41650 DST#: 2
Test Start: 2011.04.27 @ 21:51:44

GENERAL INFORMATION:

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

Serial #: 6773 Outside
Press@RunDepth: 104.74 psig @ 4743.00 ft (KB)
Start Date: 2011.04.27 End Date: 2011.04.28
Start Time: 21:51:49 End Time: 07:47:14
Capacity: 8000.00 psig
Last Calib.: 2011.04.28
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
FSI: No blow back



PRESSURE SUMMARY

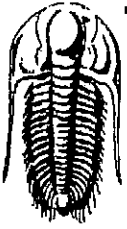
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2316.52	111.81	Initial Hydro-static
4	50.30	112.71	Open To Flow (1)
54	94.11	117.86	Shut-In(1)
107	1517.64	118.81	End Shut-In(1)
109	82.65	119.49	Open To Flow (2)
170	104.74	121.49	Shut-In(2)
256	1553.94	122.79	End Shut-In(2)
266	2331.21	121.11	Final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

Test Start: 2011.04.27 @ 21:51:44

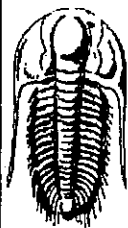
Tool Information

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	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



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FLUID SUMMARY

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

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

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:	bbbl		
Water Loss:	7.97 in ³	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 bbbl
0.00	560' GIP	0.000
152.00	G.O,CW,M 2%oil 8%gas45%water45%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:

