

FORM MUST BE TYPED

SIDE ONE

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 31990

Name: Cambrian Oil Corp.

Address 2400 W. Pawnee St.

Suite 104

City/State/Zip Wichita, Ks 67213

Purchaser: Koch

Operator Contact Person: Phil MuGuckin

Phone (316) 941-9860

Contractor: Name: Nebraska Drilling

License: 31730

Wellsite Geologist: Rod Andersen

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

6/1/97 6/12/97
Spud Date Date Reached TD Completion Date

API NO. 15- 15023203530000

County Cheyenne
SE-SE Sec. 25 Twp. 1S Rge. 42 X W

660 Feet from OX (circle one) Line of Section

660 Feet from OX (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner NE, SE, NW or SW (circle one) KANSAS CORPORATION COMMISSION

Lease Name Clark "A" Well # 1 9-23-97
SEP 23 1997

Field Name Nuttycombe

Producing Formation Lansing CONSERVATION DIVISION WICHITA, KS

Elevation: Ground 3598 KB 3605

Total Depth 5560 PBDT 5525

Amount of Surface Pipe Set and Cemented at 219 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 ALT 1 10-21-97
(Data must be collected from the Reserve Pit)

Chloride content 600 ppm KANSAS CORPORATION COMMISSION

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: SEP 09 1997

Operator Name RELEASED CONSERVATION DIVISION WICHITA, KS

Lease Name 1-29-99 License No. _____

JAN 29 1999 Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

FROM CONFIDENTIAL

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

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

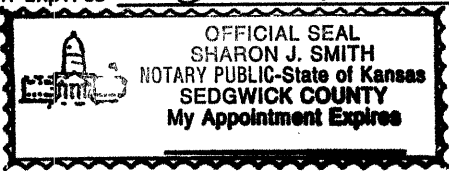
Signature Rod Andersen

Title Geologist Date 9/9/97

Subscribed and sworn to before me this 9th day of August, 1997.

Notary Public Sharon J. Smith

Date Commission Expires 3-12-98



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

SIDE TWO

Operator Name Cambrian Oil Corp. Lease Name Clark "A" Well # 1
 Sec. 25 Twp. 1S Rge. 42 East West
 County Cheyenne

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Niobrara	1570	2033
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	4390	-785
List All E.Logs Run: DUAL INDUCTION COMPENSATED DENSITY		Lansing	4622	-1017
		Mississippian	5378	-1773

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
Surface	12 1/4	8 5/8		219		150	3% CaCl ₂ 2% gel
Production	7 7/8	4 1/2		5530	60/40 poz	400	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	4706 - 4710	Class "A"	150	None

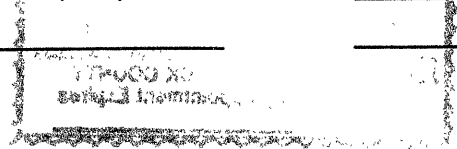
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
		4	4714-20

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. <u>Temporarily Abandoned</u>			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. <u>None</u>	Gas Mcf <u>None</u>	Water Bbls. <u>None</u>	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: Other (Specify) _____



ALLIED CEMENTING CO., INC.

5394

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Oakley

DATE <u>6-3-97</u>	SEC. <u>25</u>	TWP. <u>1S</u>	RANGE <u>42W</u>	CALLED OUT	ON LOCATION <u>5:45 PM</u>	JOB START <u>8:45 PM</u>	JOB FINISH <u>9:00 PM</u>
LEASE <u>Clark</u>	WELL # <u>1</u>	LOCATION <u>2 1/2 W 16 N 2W ST Francis</u>			COUNTY <u>Cheyenne</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR <u>Nebraska Drlg Co</u>	OWNER <u>same</u>
TYPE OF JOB <u>Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>219'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>219'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	

AMOUNT ORDERED 150 SKS 60/40 POZ
3% CC 2% GEL

COMMON	<u>90 SKS</u>	@	<u>7.20</u>	<u>648.00</u>
POZMIX	<u>60 SKS</u>	@	<u>3.15</u>	<u>189.00</u>
GEL	<u>3 SKS</u>	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>5 SKS</u>	@	<u>28.00</u>	<u>140.00</u>
		@		
		@		
		@		
		@		
		@		
		@		

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Terry & Dean</u>
# <u>300</u>	HELPER <u>Andrew</u>
BULK TRUCK	
# <u>212</u>	DRIVER <u>Lonnie</u>
BULK TRUCK	
#	DRIVER

HANDLING 150 SKS @ 1.05 157.50
RELEASE CHARGE 4¢ per SK/mile 630.00

JAN 29 1999

TOTAL 1,793.00

REMARKS: FROM CONFIDENTIAL SERVICE

Cement Did Circ
Sub to

DEPTH OF JOB	<u>219'</u>		
PUMP TRUCK CHARGE			<u>445.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>105</u>	@	<u>2.05</u> <u>194.25</u>
PLUG	<u>Surface</u>	@	<u>299.25</u>
		@	<u>45.00</u>
		@	
		@	
		@	
		@	

TOTAL 684.25
789.25

CHARGE TO: Cambrian Oil Corp
STREET 4480 S Meridian Ave #92
CITY Wichita STATE Mo ZIP 67217

FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Paul Deague

ALLIED CEMENTING CO., INC.

8928

Federal Tax I.D.# ~~XXXXXXXXXX~~

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Oakley

ORIGINAL

DATE <u>8-13-97</u>	SEC. <u>25</u>	TWP. <u>1</u>	RANGE <u>42</u>	CALLED OUT	ON LOCATION <u>7:30 AM</u>	JOB START <u>11:00 AM</u>	JOB FINISH <u>12:45 PM</u>
LEASE <u>Clark</u>	WELL# <u>1</u>	LOCATION <u>Hagler 75-2W-44N-W.S.</u>			COUNTY <u>Chefame</u>	STATE <u>Kan</u>	
OLD OR NEW (Circle one) <u>NEW</u>					RELEASED		

CONTRACTOR <u>Nebraska Dr. Co #1</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production String</u>	JAN 29 1999
HOLE SIZE <u>7 7/8</u>	T.D. <u>5560'</u>
CASING SIZE <u>4 1/2</u>	DEPTH <u>5510'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42'</u>
CEMENT LEFT IN CSG. <u>42'</u>	
PERFS.	
DISPLACEMENT	

CEMENT	AMOUNT ORDERED <u>400 SKS ASC</u>	FROM CONFIDENTIAL
	<u>10% Salt, 5 #61 Per SK</u>	
	<u>500 gal WFR-2</u>	
<u>ASC</u>	<u>400 SKS @ 8.70</u>	<u>3,480.00</u>
POZMIX	@	
GEL	@	
CHLORIDE	@	
<u>Salt</u>	<u>47 SKS @ 7.00</u>	<u>329.00</u>
<u>Gilsonite</u>	<u>2000 # @ 4.14</u>	<u>820.00</u>
<u>500 gal WFR-2</u>	<u>@ 1.00</u>	<u>500.00</u>
	@	
	@	
HANDLING <u>400 SKS @ 1.05</u>		<u>420.00</u>
MILEAGE <u>4¢ per SK/mile</u>		<u>1,680.00</u>
		TOTAL <u>7,229.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER <u>Walt</u>
<u>191</u> HELPER <u>Lennie</u>
BULK TRUCK
<u>280</u> DRIVER <u>Jeff, Andrew</u>
BULK TRUCK
DRIVER

REMARKS:

SERVICE

Circ Hole For 1-Hr. mixed
400 SKS ASC, Displaced Plug 4 1/8 x 1/2
3BI water, landed @ 1500 #
Float Held

Deal for

DEPTH OF JOB <u>5510'</u>	
PUMP TRUCK CHARGE	<u>1,229.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>105 miles @ 2.85</u>	<u>299.25</u>
PLUG <u>4 1/2 Rubber @</u>	<u>38.00</u>
@	
@	
TOTAL	<u>1,566.25</u>

CHARGE TO: Cambrian Oil Co.
Suite 104
STREET 4450 ~~Marathon~~ 2400 W Pawnee
CITY Wichita STATE Kan ZIP 67203

FLOAT EQUIPMENT

<u>4 1/2</u>	
<u>1-guide shoe @</u>	<u>140.00</u>
<u>1-AFU insert @</u>	<u>235.00</u>
<u>7-Centralizers @</u>	<u>371.00</u>
@	
@	
TOTAL	<u>746.00</u>

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Thomas D. McCarville

Thomas D. McCarville
PRINTED NAME

ALLIED CEMENTING CO., INC.

8933

Federal Tax I.D.# ~~40-0727000~~

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL SERVICE POINT: Oakley

DATE <u>6-24-97</u>	SEC. <u>25</u>	TWP. <u>1</u>	RANGE <u>42</u>	CALLED OUT	ON LOCATION <u>10:00 AM</u>	JOB START	JOB FINISH <u>2:15 pm</u>
LEASE <u>Clark</u>	WELL # <u>1</u>	LOCATION <u>Haglier 7-S, 2W-1/4N-W.S</u>			COUNTY <u>Cheyenne</u>	STATE <u>Kan</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Northwest Well Service OWNER Same

TYPE OF JOB Squeeze

HOLE SIZE _____ T.D. _____

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL B+B DEPTH 4600'

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. 4706-10

DISPLACEMENT _____

CEMENT

AMOUNT ORDERED 150 SKS COM

COMMON 150 SKS @ 7⁰⁰ 1,080⁰⁰

POZMIX _____ @ _____

GEL _____

CHLORIDE RELEASED @ _____

JAN 29 1999

FROM CONFIDENTIAL

HANDLING 150 SKS @ 1⁰⁵ 157⁵⁰

MILEAGE 4¢ per SK/mile 630⁰⁰

TOTAL 1,867⁵⁰

EQUIPMENT

PUMP TRUCK CEMENTER Walt

191 HELPER JOFF

BULK TRUCK

212 DRIVER Andrew

BULK TRUCK

_____ DRIVER _____

REMARKS:

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 1,030⁰⁰

EXTRA FOOTAGE _____ @ _____

MILEAGE 105 mile @ 2⁸⁵ 299²⁵

PLUG _____ @ _____

_____ @ _____

_____ @ _____

TOTAL 1,329²⁵

CHARGE TO: Cambrian Oil Corp.

STREET 4480 S. Meridian Ave., #92

CITY Wichita STATE Kan ZIP 67217

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE _____

PRINTED NAME _____

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

WELL NAME:

COMPANY:

LOCATION:

DATE:

Clark #1

Cambrian Oil Company

25-1S-42W

Cheyenne County Kansas

06/11/97

ORIGINAL

15-023-20353

TRILOBITE TESTING L.L.C.

OPERATOR : Cambrian Oil Co.

DATE 6-7-97

WELL NAME: Clark #1

KB 3603.00 ft

TICKET NO: 9942

DST #1

LOCATION : 25-1S-42W Cheyenne KS

GR 3598.00 ft

FORMATION: Compton

INTERVAL : 4440.00 To 4486.00 ft

TD 4486.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057	2342			PF Fr. 0257 to 0327 hr
SI 60 Range (Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 0327 to 0427 hr
SF 30 Clock (hrs)	12 HR	12 HR	Elec			SF Fr. 0427 to 0557 hr
FS 60 Depth(ft)	4481.0	4481.0	4448.0	0.0	0.0	FS Fr. 0557 to 0657 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2115.0	0.0	0.0	T STARTED 2330 hr
B. First Flow	0.0	0.0	31.0	0.0	0.0	T ON BOTM 0254 hr
B1. Final Flow	0.0	0.0	32.0	0.0	0.0	T OPEN 0257 hr
C. In Shut-in	0.0	0.0	950.0	0.0	0.0	T PULLED 0657 hr
D. Init Flow	0.0	0.0	33.0	0.0	0.0	T OUT 0820 hr
E. Final Flow	0.0	0.0	34.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	764.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	2109.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 28000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 70000.00 lbs
						Unseated Str Wt 70000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 396.00 ft
						D.P. Length 4049.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP
 20.00 ft of Drilling Mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 1" blow, died in 22 mins

Initial Shut In:
 No return

Final Flow:
 Bubble to open tool, no blow

Final Shut In:
 No return

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	49.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	5.00 ft
Btm. H. Temp.	140.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Shane McBride
Co. Rep.	Rod Anderson
Contr.	Neb.land
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Clark #1

LOCATION : 25-1S-42W Cheyenne KS

TICKET No. 9942 D.S.T. No. 1 DATE 6-7-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 15

TOTAL TOOL 45

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 76

D.C. ABOVE TOOLS.Stands6 Single 1 Total 396

D.P. ABOVE TOOLS.Stands65 Single 1 Total 4049

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4490

TOTAL DEPTH 4486

TOTAL DRILL PIPE ABOVE K.B. 4

REMARKS:

GAS;

OIL;

WATER;

MUD; 4,000 ml

Pressure; 20 psi

Total; 4,000

P.O. SUB	
C.O. SUB 1'	4410
S.I. TOOL 5'	4416
sampler 3'	4419
HMV 5'	4424
JARS 5'	4429
SAFETY JOINT 2'	4431
PACKER top	4435
PACKER bottom	4440
DEPTH 4440	
STUBB 1'	4441
ANCHOR 7' perf	4448
Alpine rec. @ 4448	
1' c.o.	4449
T.C.	
DEPTH	
31' drillpipe	4480
1' c.o.	4481
Ak-1 rec. @ 4481	
BULLNOSE 5' bullplug	4486
T.D.	4486

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9942 DST #1 Clark #1 Cambrian Oil Co.

DATE: 06/07/97

TIME: 22:33:06

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	207.00	2116.0	0.0	131.69		
***** Start Flow 1	0.00	31.5	0.0	132.02		
	1.00	31.6	0.1	132.30		
	2.00	31.6	0.1	132.57		
	3.00	31.8	0.3	132.82		
	4.00	32.0	0.4	133.01		
	5.00	32.1	0.6	133.18		
	6.00	32.2	0.7	133.30		
	7.00	32.2	0.7	133.41		
	8.00	32.4	0.8	133.50		
	9.00	32.4	0.8	133.57		
	10.00	32.5	0.9	133.62		
	11.00	32.6	1.0	133.68		
	12.00	32.6	1.1	133.71		
	13.00	32.5	0.9	133.75		
	14.00	32.5	0.9	133.79		
	15.00	32.6	1.0	133.82		
	16.00	32.6	1.0	133.85		
	17.00	32.6	1.0	133.87		
	18.00	32.6	1.1	133.90		
	19.00	32.6	1.1	133.93		
	20.00	32.6	1.0	133.96		
	21.00	32.7	1.2	133.99		
	22.00	32.7	1.2	134.01		
	23.00	32.7	1.2	134.04		
	24.00	32.6	1.1	134.07		
	25.00	32.6	1.1	134.10		
	26.00	32.8	1.3	134.13		
	27.00	32.8	1.3	134.16		
	28.00	32.8	1.3	134.19		
***** End Flow 1	29.00	32.9	1.3	134.22		
***** Start Shutin 1	0.00	32.9	0.0	134.22	0.0000	0.001
	1.00	29.4	-3.5	134.26	30.0000	0.001
	2.00	35.9	3.0	134.28	15.5000	0.001
	3.00	43.4	10.5	134.32	10.6667	0.002
	4.00	52.7	19.8	134.35	8.2500	0.003
	5.00	64.5	31.6	134.39	6.8000	0.004
	6.00	78.6	45.7	134.43	5.8333	0.006
	7.00	97.4	64.5	134.48	5.1429	0.009
	8.00	118.1	85.2	134.52	4.6250	0.014
	9.00	142.2	109.4	134.55	4.2222	0.020
	10.00	166.8	133.9	134.61	3.9000	0.028
	11.00	192.4	159.5	134.64	3.6364	0.037
	12.00	218.4	185.5	134.69	3.4167	0.048
	13.00	244.2	211.3	134.73	3.2308	0.060
	14.00	270.7	237.8	134.78	3.0714	0.073
	15.00	295.5	262.6	134.82	2.9333	0.087
	16.00	320.3	287.4	134.88	2.8125	0.103
	17.00	344.2	311.3	134.92	2.7059	0.118
	18.00	367.4	334.5	134.97	2.6111	0.135
	19.00	389.9	357.0	135.02	2.5263	0.152

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9942 DST #1 Clark #1 Cambrian Oil Co.
 DATE: 06/07/97 TIME: 22:33:06

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
20.00	412.0	379.1	135.07	2.4500	0.170
21.00	433.2	400.3	135.12	2.3810	0.188
22.00	453.9	421.0	135.23	2.3182	0.206
23.00	474.0	441.1	135.22	2.2609	0.225
24.00	493.5	460.6	135.27	2.2083	0.244
25.00	512.7	479.8	135.32	2.1600	0.263
26.00	531.2	498.3	135.36	2.1154	0.282
27.00	549.0	516.1	135.42	2.0741	0.301
28.00	566.6	533.7	135.46	2.0357	0.321
29.00	583.5	550.6	135.51	2.0000	0.340
30.00	600.4	567.5	135.56	1.9667	0.360
31.00	616.5	583.6	135.59	1.9355	0.380
32.00	632.2	599.3	135.64	1.9062	0.400
33.00	647.5	614.6	135.68	1.8788	0.419
34.00	662.4	629.5	135.73	1.8529	0.439
35.00	677.1	644.2	135.78	1.8286	0.458
36.00	691.2	658.3	135.82	1.8056	0.478
37.00	705.2	672.3	135.88	1.7838	0.497
38.00	718.5	685.6	135.91	1.7632	0.516
39.00	731.9	699.0	135.96	1.7436	0.536
40.00	744.9	712.0	136.01	1.7250	0.555
41.00	757.4	724.6	136.06	1.7073	0.574
42.00	769.7	736.8	136.10	1.6905	0.592
43.00	781.6	748.7	136.16	1.6744	0.611
44.00	793.4	760.5	136.19	1.6591	0.629
45.00	804.9	772.1	136.24	1.6444	0.648
46.00	816.0	783.1	136.28	1.6304	0.666
47.00	826.9	794.0	136.33	1.6170	0.684
48.00	837.7	804.8	136.37	1.6042	0.702
49.00	848.1	815.2	136.42	1.5918	0.719
50.00	858.3	825.4	136.47	1.5800	0.737
51.00	868.4	835.5	136.51	1.5686	0.754
52.00	878.3	845.4	136.55	1.5577	0.771
53.00	887.9	855.0	136.59	1.5472	0.788
54.00	897.4	864.5	136.64	1.5370	0.805
55.00	906.6	873.7	136.69	1.5273	0.822
56.00	915.6	882.8	136.72	1.5179	0.838
57.00	924.5	891.6	136.77	1.5088	0.855
58.00	933.0	900.1	136.81	1.5000	0.871
59.00	941.5	908.6	136.86	1.4915	0.886
60.00	950.1	917.2	136.90	1.4833	0.903
***** End Shut-in 1					
***** Start Flow 2					
0.00	33.6	0.0	136.91		
1.00	33.8	0.2	136.92		
2.00	33.8	0.2	136.92		
3.00	33.8	0.2	136.92		
4.00	33.8	0.2	136.93		
5.00	33.9	0.2	136.96		
6.00	33.9	0.2	136.98		
7.00	33.9	0.2	137.00		
8.00	33.9	0.2	137.03		
9.00	34.0	0.3	137.06		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9942 DST #1 Clark #1 Cambrian Oil Co.
 DATE: 06/07/97 TIME: 22:33:06

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
10.00	34.0	0.3	137.09		
11.00	34.1	0.4	137.12		
12.00	34.1	0.4	137.15		
13.00	34.1	0.5	137.18		
14.00	34.1	0.5	137.21		
15.00	34.1	0.5	137.24		
16.00	34.1	0.5	137.27		
17.00	34.1	0.5	137.30		
18.00	34.1	0.5	137.33		
19.00	34.1	0.5	137.37		
20.00	34.1	0.4	137.40		
21.00	34.1	0.4	137.43		
22.00	34.1	0.4	137.46		
23.00	34.1	0.4	137.50		
24.00	34.1	0.4	137.53		
25.00	34.1	0.4	137.57		
26.00	34.1	0.4	137.62		
27.00	34.1	0.4	137.66		
28.00	34.1	0.4	137.70		
29.00	34.1	0.4	137.75		
30.00	34.5	0.8	137.80		

***** End Flow 2

***** Start Shutin 2

0.00	34.5	0.0	137.80	0.0000	0.001
1.00	39.5	5.0	137.84	60.0000	0.002
2.00	45.5	11.0	137.88	30.5000	0.002
3.00	52.6	18.1	137.93	20.6667	0.003
4.00	61.3	26.8	137.98	15.7500	0.004
5.00	71.7	37.2	138.02	12.8000	0.005
6.00	84.1	49.6	138.06	10.8333	0.007
7.00	98.4	63.9	138.10	9.4286	0.01
8.00	113.9	79.4	138.15	8.3750	0.013
9.00	129.4	94.9	138.19	7.5556	0.017
10.00	147.1	112.6	138.24	6.9000	0.022
11.00	166.2	131.7	138.30	6.3636	0.028
12.00	185.1	150.6	138.34	5.9167	0.034
13.00	204.2	169.7	138.39	5.5385	0.042
14.00	223.1	188.6	138.43	5.2143	0.050
15.00	241.8	207.3	138.48	4.9333	0.058
16.00	260.3	225.8	138.53	4.6875	0.068
17.00	278.6	244.1	138.57	4.4706	0.078
18.00	296.5	262.0	138.62	4.2778	0.088
19.00	314.0	279.5	138.66	4.1053	0.099
20.00	331.1	296.6	138.70	3.9500	0.110
21.00	348.6	314.1	138.75	3.8095	0.122
22.00	364.7	330.3	138.79	3.6818	0.133
23.00	380.6	346.1	138.82	3.5652	0.145
24.00	396.4	361.9	138.86	3.4583	0.157
25.00	411.4	376.9	138.91	3.3600	0.169
26.00	426.7	392.2	138.94	3.2692	0.182
27.00	440.9	406.4	138.99	3.1852	0.194
28.00	455.0	420.6	139.03	3.1071	0.207
29.00	468.8	434.3	139.07	3.0345	0.220

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9942 DST #1 Clark #1 Cambrian Oil Co.

DATE: 06/07/97 TIME: 22:33:06

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
30.00	482.2	447.7	139.12	2.9667	0.232
31.00	495.2	460.8	139.16	2.9032	0.245
32.00	508.0	473.5	139.22	2.8438	0.258
33.00	520.6	486.1	139.28	2.7879	0.271
34.00	532.8	498.4	139.33	2.7353	0.284
35.00	544.8	510.3	139.37	2.6857	0.297
36.00	556.7	522.2	139.42	2.6389	0.310
37.00	568.4	533.9	139.47	2.5946	0.323
38.00	579.7	545.2	139.52	2.5526	0.336
39.00	590.8	556.3	139.57	2.5128	0.349
40.00	601.6	567.1	139.61	2.4750	0.362
41.00	612.2	577.7	139.64	2.4390	0.375
42.00	622.6	588.1	139.68	2.4048	0.388
43.00	632.6	598.2	139.71	2.3721	0.400
44.00	642.5	608.1	139.75	2.3409	0.413
45.00	652.4	617.9	139.77	2.3111	0.426
46.00	661.9	627.4	139.79	2.2826	0.438
47.00	671.3	636.8	139.82	2.2553	0.451
48.00	680.5	646.0	139.84	2.2292	0.463
49.00	689.5	655.1	139.87	2.2041	0.475
50.00	698.6	664.1	139.89	2.1800	0.488
51.00	707.4	672.9	139.92	2.1569	0.500
52.00	716.0	681.5	139.95	2.1346	0.513
53.00	724.4	689.9	139.97	2.1132	0.525
54.00	732.9	698.4	140.00	2.0926	0.537
55.00	741.5	707.0	140.02	2.0727	0.550
56.00	749.1	714.6	140.05	2.0536	0.561
57.00	756.9	722.5	140.07	2.0351	0.573
58.00	764.8	730.3	140.10	2.0172	0.585

***** End Shut-in 2

***** Final Hydro. 389.00 2109.0 0.0 140.20

TEST HISTORY

9942 DST #1 Clark #1 Cambrian Oil Co.

Flag Points
t(Min.) P(PSIg)

A:	0.00	2115.98
B:	0.00	31.55
C:	29.00	32.89
D:	60.00	950.14
E:	0.00	33.65
F:	30.00	34.49
G:	58.00	764.83
Q:	0.00	2109.01

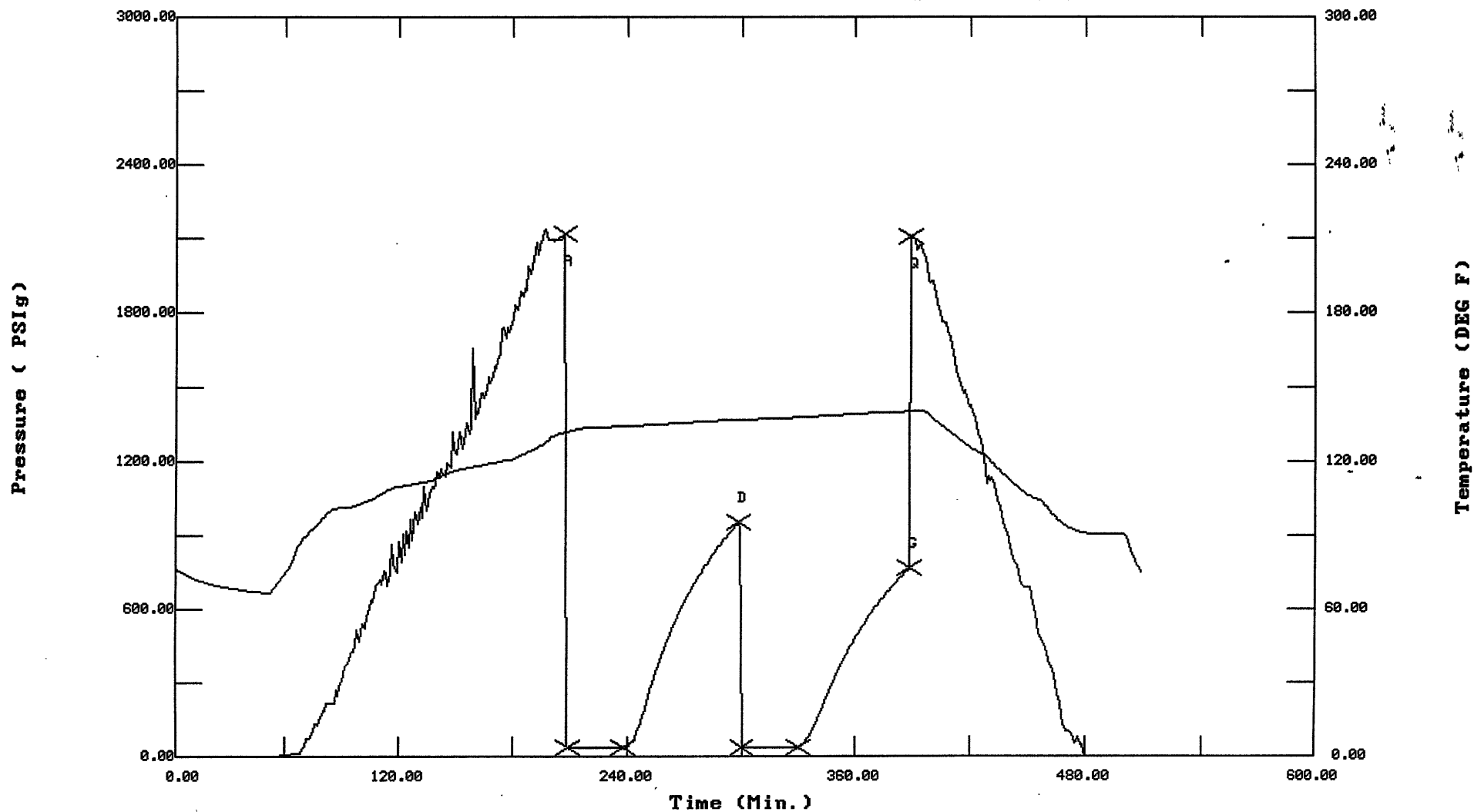
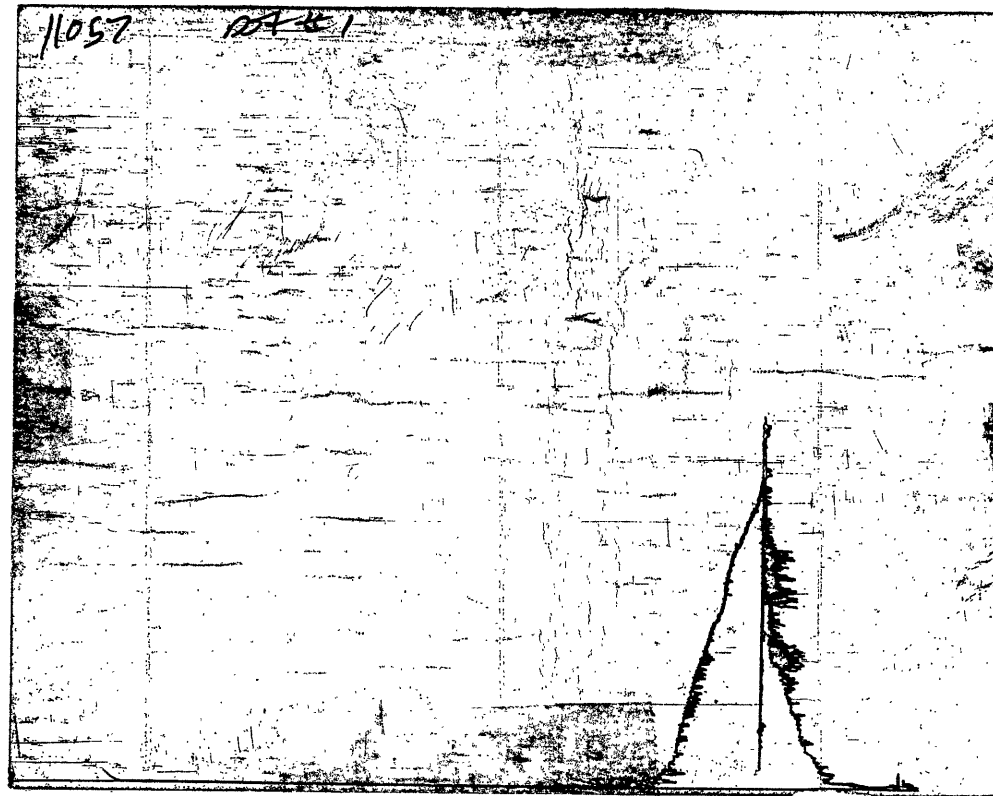


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 9942

Well Name & No. Clark #1 Test No. 1 Date 6-7-97
Company Cambrian Oil Co. Zone Tested KC
Address 4480 South Meridian #22 Wichita KS Elevation 3603' KB 3598' GL
Co. Rep / Geo. Rod Anderson Cont. Nebland #1 Est. Ft. of Pay Por. %
Location: Sec. 25 Twp. 1 Rge. 42 Co. Cheyenne State KS
No. of Copies Norm Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 4440 4486 Initial Str Wt./Lbs. 20,000 Unseated Str Wt./Lbs. 20,000
Anchor Length 46' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 85,000
Top Packer Depth 4435 Tool Weight 4,000
Bottom Packer Depth 4440 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 4486 Wt. Pipe Run Drill Collar Run 396'
Mud Wt. 9.0 LCM Vis. 49 WL 7.6 Drill Pipe Size 4 1/2 X 11 Ft. Run
Blow Description 1' in blow died in 22 min.

ISI: No return
F.F. Bobble to open tool - No blow
ISI: No return

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>20'</u>	<u> </u>	<u>20'</u>	<u> </u>				<u>100 mud</u>
Rec. <u>20'</u> Feet Of <u>Dry mud</u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							
Rec. <u> </u> Feet Of <u> </u>							

BHT 140° °F Gravity °API D@ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 600 ppm System

(A) Initial Hydrostatic Mud	<u>2115</u> PSI	Recorder No.	<u>2392</u>	T-Started	<u>23:30 P.m.</u>
(B) First Initial Flow Pressure	<u>31</u> PSI	(depth)	<u>4448</u>	T-Open	<u>02:57 AM</u>
(C) First Final Flow Pressure	<u>32</u> PSI	Recorder No.	<u>11057</u>	T-Pulled	<u>05:57 AM.</u>
(D) Initial Shut-in Pressure	<u>950</u> PSI	(depth)	<u>4481</u>	T-Out	<u>08:20 AM.</u>
(E) Second Initial Flow Pressure	<u>33</u> PSI	Recorder No.	<u> </u>		
(F) Second Final Flow Pressure	<u>34</u> PSI	(depth)	<u> </u>		
(G) Final Shut-in Pressure	<u>764</u> PSI	Initial Opening	<u>30</u>	Test <u>X</u>	
(H) Final Hydrostatic Mud	<u>2109</u> PSI	Initial Shut-in	<u>60</u>	Jars <u>X</u>	
		Final Flow	<u>30</u>	Safety Joint <u>X</u>	
		Final Shut-in	<u>60</u>	Straddle <u> </u>	

AK-1 AK-line

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Rod Anderson
Company Representative

Circ. Sub X N/C
Sampler X
Extra Packer
Elect. Rec. X
Other
TOTAL PRICE \$

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 9942 Date 6-2-97
Company Name Cambrow Oil Co.
Lease Clark #1 Test No. 1
County Cherokee, KS Sec. 25 Twp. 1 Rng. 42

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 4,000 ML
Water _____ ML
Other _____ ML
Pressure 20 PSI
Total 4,000 ML

SAMPLER ANALYSIS

Resistivity 9.7 ohms @ 63 F
Chlorides 600 ppm.
Gravity — corrected @ 60 F

PIT MUD ANALYSIS

Chlorides 600 ppm.
Resistivity 9.7 ohms @ 63 F
Viscosity 49
Mud Weight 9.0
Filtrate 7.6
Other _____

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity 9.7 ohms @ 63 F
Chlorides 600 ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.