

ORIGINAL CONFIDENTIAL

FORM MUST BE TYPED

SIDE ONE

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

API NO. 15- 109-20,658-00-00
County Logan
SE - NW - NW Sec. 16 Twp. 11S Rge. 34 X W

Operator: License # 5135
Name: John O. Farmer, Inc.
Address P.O. Box 352
City/State/Zip Russell, KS 67665

990 Feet from S(N) (circle one) Line of Section
990 Feet from E(W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE(NW) or SW (circle one)

Purchaser: _____
Operator Contact Person: Marge Schulte
Phone (785) 483-3144

Lease Name Gordon Well # 1
Field Name (wildcat)
Producing Formation _____

Contractor: Name: Abercrombie RTD, Inc.
License: 30684
Wellsite Geologist: John O. Farmer IV

Elevation: Ground 3226' KB 3231'
Total Depth 4830' PBSD _____

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/Re-Entry: old well info. as follows:

Amount of Surface Pipe Set and Cemented at 258 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.

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBSD
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____
10-10-97 10-21-97
Spud Date Date Reached TD Completion Date

Drilling Fluid Management Plan DFA, 7-7-98 v.c.
(Data must be collected from the Reserve Pit)

Chloride content 24,000 ppm Fluid volume 1,800 bbls
Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____
(not hauled)
Operator Name 1-29-1999
Lease Name 1-29-1999 License No. _____
Quarter Sec. _____ Twp. 11-S Rng. _____ E/W
County _____ Docket No. 1-29-1999

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 John O. Farmer III
Title President Date 11-6-97
Subscribed and sworn to before me this 6th day of November,
19 97.
Notary Public Margaret A. Schulte
Margaret A. Schulte
Date Commission Expires _____

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 John O. Farmer, Inc. Lease Name Gordon Well # 1

East County Logan

Sec. 16 Twp. 11S Rge. 34
 West

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	Base/Anhydrite	2715'	(+516)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wabaunsee	3736'	(-505)
List All E.Logs Run:		Heebner	4090'	(-859)
		Lansing	4131'	(-900)
		Stark	4356'	(-1125)
		Pawnee	4546'	(-1315)
		Cherokee	4630'	(-1399)
		Johnson	4674'	(-1443)
		Mississippi	4760'	(-1529)
		L.T.D.	4832'	(-1601)

Radiation Guard Log, Borehole Compensated Sonic Log

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	12-1/4"	8-5/8"	20#	258'	60/40 Pozmix	180	4% C.C., 2% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	Top Bottom			
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	<u>N-A</u>			

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

ALLIED CEMENTING CO., INC. 8560

Federal Tax I.D.:

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

ORIGINAL

SERVICE POINT:

oakley

DATE <i>10-21-97</i>	SEC <i>16</i>	TWP. <i>11s</i>	RANGE <i>34w</i>	CALLED OUT	ON LOCATION <i>6:15 PM</i>	JOB START <i>7:15 PM</i>	JOB FINISH <i>9:45 PM</i>
LEASE <i>Gordon</i>		WELL # <i>1</i>	LOCATION <i>Monument 5 1/2 W 34 N</i>			COUNTY <i>Logan</i>	STATE <i>KS</i>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR *Abercrombie RTD Rig* OWNER *same*

CONFIDENTIAL

TYPE OF JOB <i>PIT</i>	
HOLE SIZE <i>7 1/8</i>	T.D. <i>4830'</i>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <i>2700</i>	DEPTH <i>2700'</i>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT		
AMOUNT ORDERED <i>190 sks 60/40 port</i>		
<i>620 Gal 1/4" Flo Seal</i>		
COMMON	<i>114 sks</i>	@ <i>7.55</i> <i>840.70</i>
POZMIX	<i>76 sks</i>	@ <i>3.25</i> <i>247.00</i>
GEL	<i>10 sks</i>	@ <i>9.50</i> <i>95.00</i>
CHLORIDE		@
<i>Flo-Seal 48"</i>		@ <i>1.15</i> <i>55.20</i>
		@
		@
		@
		@
HANDLING	<i>190 sks</i>	@ <i>1.05</i> <i>199.50</i>
MILEAGE	<i>4¢ per sk/mile</i>	<i>114.00</i>
		TOTAL <i>1,571.40</i>

EQUIPMENT

PUMP TRUCK	CEMENTER <i>Walt</i>
# <i>191</i>	HELPER <i>Dean</i>
BULK TRUCK	
# <i>315</i>	DRIVER <i>Lonnie</i>
BULK TRUCK	
#	DRIVER <i>11-6</i>

REMARKS:

1st Plug at 2700' w/ 25 sks
2nd Plug at 1606' w/ 100 sks
3rd Plug at 308' w/ 40 sks
4th Plug 40' w/ 10 sks
15 sks in Rat Hole

Thank you

SERVICE

DEPTH OF JOB	<i>2700'</i>	
PUMP TRUCK CHARGE		<i>580.00</i>
EXTRA FOOTAGE	@	
MILEAGE	<i>15 miles</i>	@ <i>2.85</i> <i>42.75</i>
PLUG <i>Dry Hole</i>	@	<i>23.00</i>
	@	
	@	
		TOTAL <i>645.75</i>

CHARGE TO: *J.O. Farmer Inc*
 STREET: *Box 352*
 CITY: *Russell* STATE: *Kansas* ZIP: *67665*

FLOAT EQUIPMENT

<i>1-29-1999</i>	@	
	@	
	@	
	@	
	@	
	@	
	@	
		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.

SIGNATURE *Anthony M. [Signature]*

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

PRINTED NAME _____

11-1-1997

15-109-20658-00-00

CONFIDENTIAL

WELL NAME: Gordon # 1
COMPANY: John O Farmer Company
LOCATION: 16-11S-34W
Logan County Kansas
DATE: 10/23/97

15-109-20658

NOV
11-6
NOV 6

CONFIDENTIAL

RELEASED
1-29-1999
JAN 29 1999

FROM CONFIDENTIAL

15-109-20658-00-00
 TRILOBITE TESTING L.L.C.

OPERATOR : John O Farmer
 WELL NAME: Gordon #1
 LOCATION : 16-11S-34W Logan Co KS
 INTERVAL : 4220.00 To 4234.00 ft

DATE 10/16/97
 KB 3231.00 ft TICKET NO: 10452 DST #1
 GR 3226.00 ft FORMATION: Lansing KC "F"
 TD 4234.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
F 30	Rec.	11057	11057	2342			PF Fr. 2012 to 2042 hr
I 30	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 2042 to 2112 hr
SF 30	Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 2112 to 2142 hr
FS 30	Depth(ft)	4221.0	4221.0	4226.0	0.0	0.0	FS Fr. 2142 to 2212 hr

	Field	1	2	3	4
A. Init Hydro	2027.0	2008.0	0.0	0.0	0.0
B. First Flow	67.0	60.0	0.0	0.0	0.0
C. Final Flow	257.0	295.0	0.0	0.0	0.0
D. In Shut-in	1163.0	1150.0	0.0	0.0	0.0
E. Init Flow	381.0	369.0	0.0	0.0	0.0
F. Final Flow	493.0	489.0	0.0	0.0	0.0
G. Fl Shut-in	1141.0	1131.0	0.0	0.0	0.0
H. Final Hydro	2015.0	2001.0	0.0	0.0	0.0
I. Inside/Outside	I	I	O		

T STARTED 1808 hr
 T ON BOTM 2000 hr
 T OPEN 2012 hr
 T PULLED 2212 hr
 T OUT 0045 hr

TOOL DATA-----

Tool Wt. 4000.00 lbs
 Wt Set-On Packer 26000.00 lbs
 Wt Pulled Loose 63000.00 lbs
 Initial Str Wt 49000.00 lbs
 Unseated Str Wt 55000.00 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 0.00 ft
 D.P. Length 3627.00 ft
 H.W. I.D 2.70 in
 H.W. Length 598.00 ft

RECOVERY

Tot Fluid 1080.00 ft of 0.00 ft in DC and 1080.00 ft in DP
 30.00 ft of Mud Cut Water
 0.00 ft of 15% mud 85% water
 1000.00 ft of Salt Water
 0.00 ft of 100% water
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of RW .268 @ 68 F
 SALINITY 26500.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type Chemical
 Weight 9.20 lb/cf
 Vis. 46.00 S/L
 W.L. 8.80 in3
 F.C. 0.00 in
 Mud Drop

BLOW DESCRIPTION

Initial Flow:
 Bottom of bucket in 6.5 minutes

Initial Shut In:
 No return

Final Flow:
 Bottom of bucket in 9.5 minutes

Final Shut In:
 No return

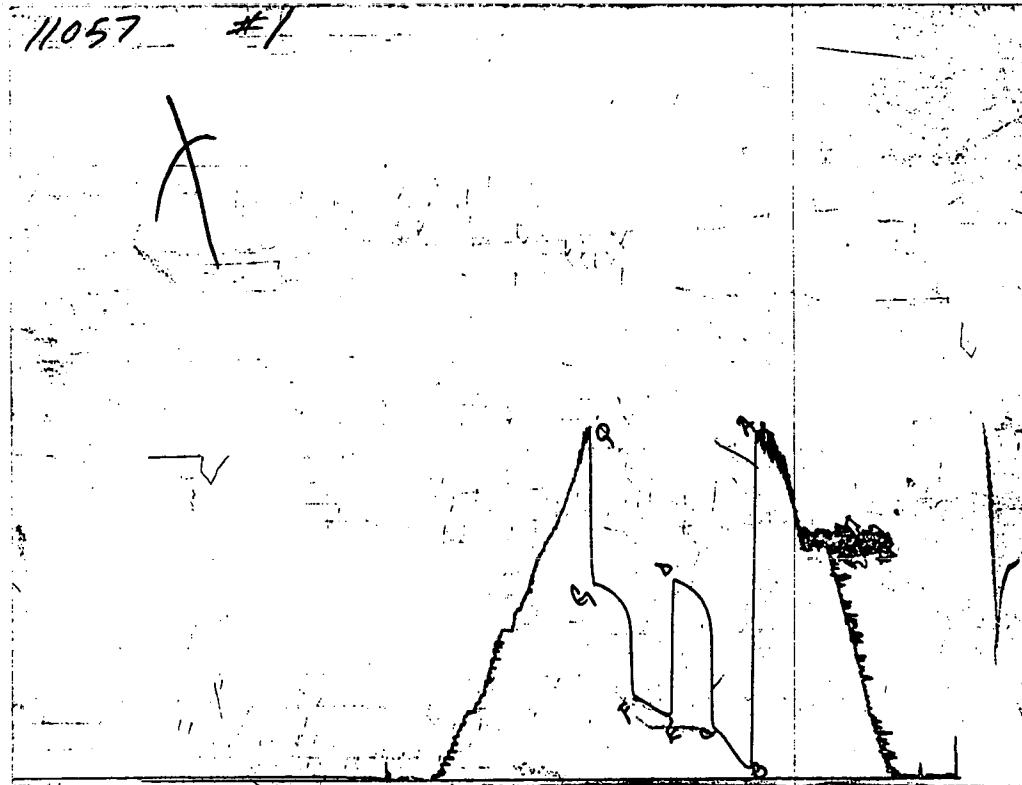
Amt. of fill 0.00 ft
 Btm. H. Temp. 127.00 F
 Hole Condition
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00

SAMPLES:
 SENT TO:

Tester Shane McBride
 Co. Rep. John O Farmer IV
 Contr. Abercrombie
 Rig # 8
 Unit #
 Pump T.

Test Successful: Y

CHART PAGE



15-109-20658-00-00

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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 15-109-20658-00-00

Test Ticket

No 10452

Well Name & No. #1 Gordon Test No. 1 Date 10-16-97
Company John O Farmer Zone Tested L-KC "F"
Address P.O. Box 352 Russell, KS 67665 Elevation 3231' KB 3226' GL
Co. Rep / Geo. John O Farmer II Cont. Abie #8 Est. Ft. of Pay Por. %
Location: Sec. 16 Twp. 11 Rge. 34 Co. Logan State KS
No. of Copies None Distribution Sheet (Y, N) X Turnkey (Y, N) X Evaluation (Y, N) X

Interval Tested 4220' 4234' Initial Str Wt./Lbs. 49,000 Unseated Str Wt./Lbs. 55,000
Anchor Length 14' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 63,000
Top Packer Depth 4215' Tool Weight 4,000
Bottom Packer Depth 4220' Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 4234' Wt. Pipe Run 598' Drill Collar Run
Mud Wt. 9.2 LCM Vis. 46 Wt. 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3627'
Blow Description B.O.B in 6 1/2 min.

I.S.F: No return
F.F: B.O.B in 9 1/2 min.
S.I: No return

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>80'</u>			<u>1080'</u>			<u>85%</u>	<u>15%</u>
Rec. <u>1000'</u>						<u>100%</u>	
Rec. <u> </u>							
Rec. <u> </u>							
Rec. <u> </u>							

BHT 127° °F Gravity °API D@ °F Corrected Gravity °API
RW 268 @ 68 °F Chlorides 26,500 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud 2027 PSI Recorder No. 2342 T-Started 18:08
(B) First Initial Flow Pressure 67 PSI (depth) 4226' T-Open 20:12
(C) First Final Flow Pressure 257 PSI Recorder No. 11057 T-Pulled 22:12
(D) Initial Shut-in Pressure 1163 PSI (depth) 4221' T-Out 12:45 AM
(E) Second Initial Flow Pressure 381 PSI Recorder No.
(F) Second Final Flow Pressure 493 PSI (depth)
(G) Final Shut-in Pressure 1141 PSI Initial Opening 30 Test X
(H) Final Hydrostatic Mud 2015 PSI Initial Shut-in 30 Jars
Final Flow 30 Safety Joint
Final Shut-in 30 Straddle

TRILLOBITE 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
Our Representative Steve McR...

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

15-109-20658-00-00

TRILOBITE TESTING L.L.C.

OPERATOR : John O Farmer

DATE 10/17/97

WELL NAME: Gordon #1

KB 3231.00 ft TICKET NO: 10453 DST #2

LOCATION : 16-11S-34W Logan Co KS

GR 3226.00 ft FORMATION: Lansing KC "H"

INTERVAL : 4268.00 To 4307.00 ft

TD 4307.00 ft TEST TYPE: OCNV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	11058	11058	11057			PF Fr. 1140 to 1225 hr
SI 45	Range (Psi)	4475.0	4475.0	4500.0	0.0	0.0	IS Fr. 1225 to 1310 hr
SF 45	Clock (hrs)	12 hr	12 hr	12 hr			SF Fr. 1310 to 1355 hr
FS 45	Depth (ft)	4304.0	4304.0	4274.0	0.0	0.0	FS Fr. 1355 to 1440 hr

	Field	1	2	3	4
A. Init Hydro	2065.0	2054.0	0.0	0.0	0.0
B. First Flow	55.0	74.0	0.0	0.0	0.0
B1. Final Flow	66.0	69.0	0.0	0.0	0.0
C. In Shut-in	1275.0	1270.0	0.0	0.0	0.0
D. Init Flow	77.0	102.0	0.0	0.0	0.0
E. Final Flow	88.0	102.0	0.0	0.0	0.0
F. Fl Shut-in	1253.0	1253.0	0.0	0.0	0.0
G. Final Hydro	2042.0	2032.0	0.0	0.0	0.0
Inside/Outside	0	0	0	0	0

T STARTED 1000 hr
T ON BOTM 1130 hr
T OPEN 1140 hr
T PULLED 1440 hr
T OUT 1645 hr

TOOL DATA-----

Tool Wt. 4000.00 lbs
Wt Set On Packer 27000.00 lbs
Wt Pulled Loose 74000.00 lbs
Initial Str Wt 49000.00 lbs
Unseated Str Wt 51000.00 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 0.00 ft
D.P. Length 3659.00 ft
H.W. I.D 2.70 in
H.W. Length 598.00 ft

RECOVERY

Tot Fluid 150.00 ft of 0.00 ft in DC and 150.00 ft in DP
150.00 ft of Mud Cut Water
0.00 ft of 30% mud 70% water
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of RW .378 @ 69 F

SALINITY 27000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type Chemical
Weight 9.20 lb/cf
Vis. 47.00 S/L
W.L. 8.80 in3
F.C. 0.00 in
Mud Drop

BLOW DESCRIPTION

Initial Flow:
Surface blow built to 1/2"

Initial Shut In:
No return

Final Flow:
Weak surface blow in 3 mins, built to 1/2"

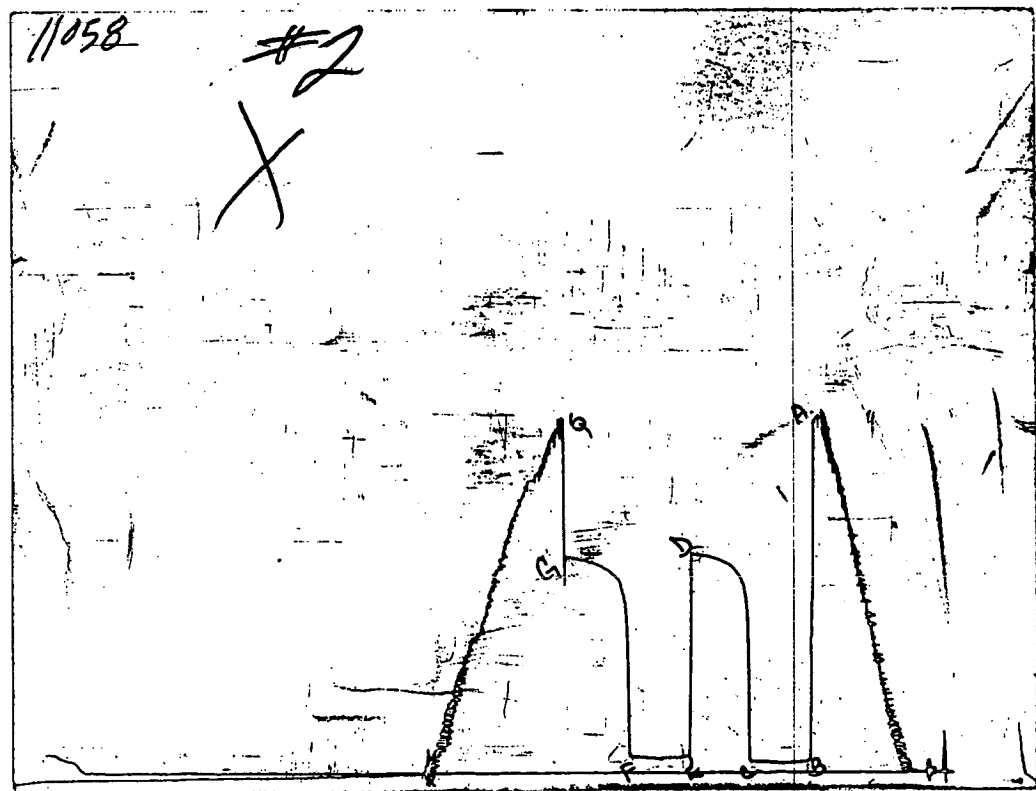
Final Shut In:
No return

SAMPLES:
SENT TO:

Amt. of fill 0.00 ft
Btm. H. Temp. 0.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester Shame McBride
Co. Rep. John O Farmer IV
Contr. Abercrombie
Rig # 8
Unit #
Pump T.

Test Successful: Y

CHART PAGE



15-109-20658-00-00

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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-109-20658-00-00

Test Ticket

No 10453

Well Name & No. <u>#1 Gordon</u>		Test No. <u>2</u>	Date <u>10-17-97</u>
Company <u>John O Farmer</u>		Zone Tested <u>L-KC "H"</u>	
Address <u>P.O. Box 352 Russell KS</u>		Elevation <u>3231'</u> KB <u>3226'</u> GL	
Co. Rep / Geo. <u>John O Farmer II</u>	Cont. <u>Abic #8</u>	Est. Ft. of Pay	Por. %
Location: Sec. <u>16</u>	Twp. <u>11</u>	Rge. <u>3d</u>	Co. <u>Logan</u> State <u>KS</u>
No. of Copies <u>Norm Distribution Sheet (Y, N) H</u>	Turnkey (Y, N) <u>H</u>	Evaluation (Y, N) _____	

Interval Tested <u>4268'</u>	<u>4307'</u>	Initial Str Wt./Lbs. <u>49,000</u>	Unseated Str Wt./Lbs. <u>51,000</u>
Anchor Length _____	<u>39'</u>	Wt. Set Lbs. <u>27,000</u>	Wt. Pulled Loose/Lbs. <u>24,000</u>
Top Packer Depth _____	<u>4263'</u>	Tool Weight <u>4,000</u>	
Bottom Packer Depth _____	<u>4268'</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth _____	<u>4307'</u>	Wt. Pipe Run <u>598'</u>	Drill Collar Run _____
Mud Wt. <u>9.2</u> LCM _____ Vis. <u>47</u> WL <u>8.8</u>		Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>3659'</u>
Blow Description <u>Surface blow burst to 2 1/2" in</u>			

I.S.I.: No return.

FFI: Went Surface blow in 3 min burst to 1/2" in.

F.S.I.: No return.

Recovery — Total Feet <u>150'</u>	GIP _____	Ft. in DC _____	Ft. in DP <u>150'</u>
Rec. <u>150'</u>	Feet Of <u>Mud Cut Water</u>	%gas _____	%oil _____
Rec. _____	Feet Of _____	%gas _____	%oil _____
Rec. _____	Feet Of _____	%gas _____	%oil _____
Rec. _____	Feet Of _____	%gas _____	%oil _____
Rec. _____	Feet Of _____	%gas _____	%oil _____

BHT _____ °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW .378 @ 69 °F Chlorides 27,000 ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud _____	<u>2065</u> PSI	Recorder No. <u>11057</u>	T-Started <u>10:00 AM</u>
(B) First Initial Flow Pressure _____	<u>55</u> PSI	(depth) <u>4274'</u>	T-Open <u>11:40 AM</u>
(C) First Final Flow Pressure _____	<u>66</u> PSI	Recorder No. <u>11058</u>	T-Pulled <u>14:40 PM</u>
(D) Initial Shut-in Pressure _____	<u>1275</u> PSI	(depth) <u>4304'</u>	T-Out <u>16:45 P.M.</u>
(E) Second Initial Flow Pressure _____	<u>77</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure _____	<u>88</u> PSI	(depth) _____	
(G) Final Shut-in Pressure _____	<u>1253</u> PSI	Initial Opening <u>45</u>	Test <u>X</u>
(H) Final Hydrostatic Mud _____	<u>2042</u> PSI	Initial Shut-in <u>45</u>	Jars _____
		Final Flow <u>45</u>	Safety Joint _____
		Final Shut-in <u>45</u>	Straddle _____

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 John O. Farmer II
 Our Representative Steve M. B...

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

15-109-20658-00-00

TRILOBITE TESTING L.L.C.

OPERATOR : John O Farmer

DATE 10/18/97

WELL NAME: Gordon # 1

KB 3231.00 ft

TICKET NO: 10454

DST #3

LOCATION : 16-11S-34W Logan CO KS

GR 3226.00 ft

FORMATION: Lansing KC "I" "J"

INTERVAL : 4303.00 To 4360.00 ft

TD 4360.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	11057	11057	11058			PF Fr. 0340 to 0425 hr
SI 45	Range(Psi)	4500.0	4500.0	4475.0	0.0	0.0	IS Fr. 0425 to 0510 hr
SF 45	Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 0510 to 0555 hr
FS 45	Depth(ft)	4324.0	4324.0	4357.0	0.0	0.0	FS Fr. 0555 to 0640 hr

	Field	1	2	3	4	
A. Init Hydro	2087.0	2075.0	0.0	0.0	0.0	T STARTED 0155 hr
B. First Flow	77.0	82.0	0.0	0.0	0.0	T ON BOTM 0330 hr
B1. Final Flow	155.0	146.0	0.0	0.0	0.0	T OPEN 0340 hr
C. In Shut-in	1275.0	1259.0	0.0	0.0	0.0	T PULLED 0640 hr
D. Init Flow	177.0	189.0	0.0	0.0	0.0	T OUT 0915 hr
E. Final Flow	244.0	240.0	0.0	0.0	0.0	
F. Fl Shut-in	1231.0	1224.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2076.0	2059.0	0.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	I	I	0			Wt Set-On-Packer 26000.00 lbs

RECOVERY

Tot Fluid 420.00 ft of 0.00 ft in DC and 420.00 ft in DP
 120.00 ft of Muddy Water
 0.00 ft of 50% mud 50% water
 300.00 ft of Slightly Mud Cut Salt Water
 0.00 ft of 10% mud 90% water
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of RW .246 @ 62 F

SALINITY 31000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Surface blow built to 6.5"

Initial Shut In:
No return

Final Flow:
Surface blow built to 1"

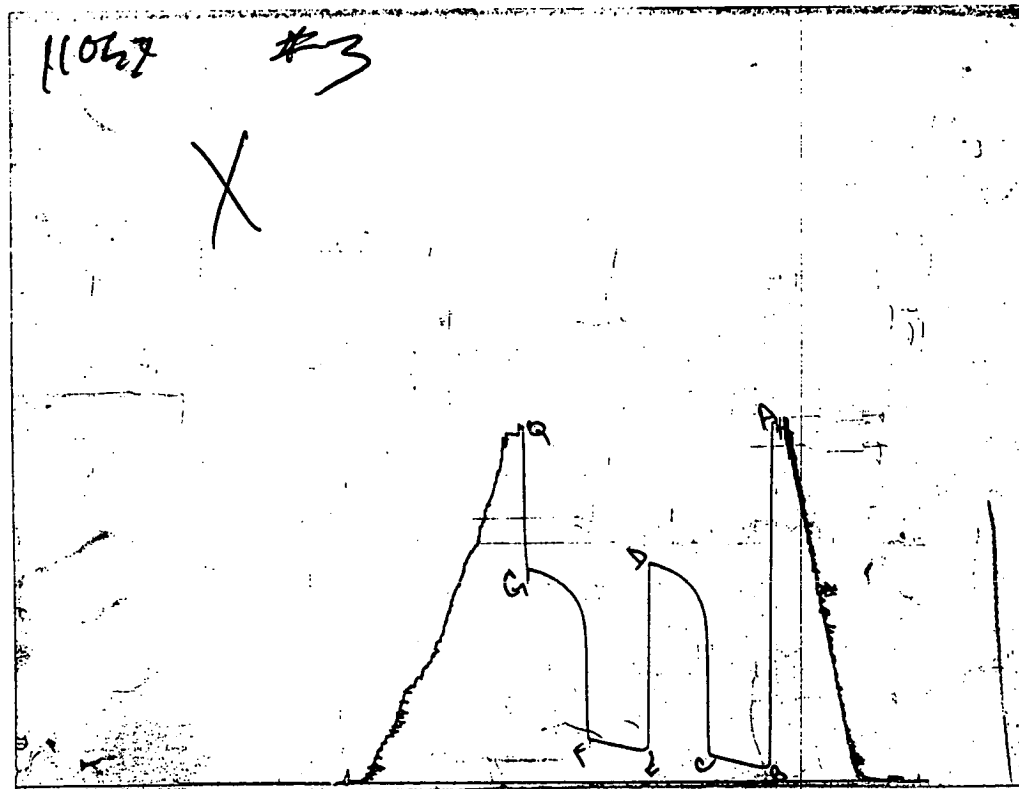
Final Shut In:
No return

SAMPLES:
SENT TO:

MUD DATA-----	
Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	45.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Shane McBride
Co. Rep.	John O Farmer IV
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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

15-109-20658-00-00

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-109-20658-00-00

Test Ticket

No 10454

Well Name & No. #1 Gordon Test No. 3 Date 10-18-97
Company John Farmer Zone Tested 6-KC (FJ)
Address P.O. Box 352, Russell, KS 67665 Elevation 3231' KB 3226' GL
Co. Rep / Geo. John Farmer II Cont. Abie #8 Est. Ft. of Pay Por. %
Location: Sec. 16 Twp. 11 Rge. 34 Co. Linn State KS
No. of Copies Num Distribution Sheet (Y, N) Y Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 4303' 4360' Initial Str Wt./Lbs. 4000 Unseated Str Wt./Lbs. 45000
Anchor Length 57' Wt. Set Lbs. 26000 Wt. Pulled Loose/Lbs. 6200
Top Packer Depth 4298' Tool Weight 4000
Bottom Packer Depth 4303' Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 4360' Wt. Pipe Run 598' Drill Collar Run
Mud Wt. 9.1 LCM Vis. 45 WL 9.6 Drill Pipe Size 4 1/2 X 11 Ft. Run 4323'
Blow Description Surface blow built to 6 1/2" in.

F.S.I. No return

F. Surface blow built to 1' in.

F.S.I. No return

Recovery — Total Feet 420' GIP Ft. in DC Ft. in DP 420'
Rec. 120' Feet Of Mud cut Water %gas %oil %water 50 %mud 50
Rec. 300' Feet Of Salt Water Still Mud cut %gas %oil %water 90 %mud 10
Rec. Feet Of %gas %oil %water %mud
Rec. Feet Of %gas %oil %water %mud
Rec. Feet Of %gas %oil %water %mud

BHT 124° °F Gravity °API D@ °F Corrected Gravity °API

RW 246 @ 62 °F Chlorides 31,000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2087 PSI Recorder No. 11057 T-Started 01:55 AM

(B) First Initial Flow Pressure 77 PSI (depth) 4324' T-Open 03:40 AM

(C) First Final Flow Pressure 155 PSI Recorder No. 11058 T-Pulled 06:40 AM

(D) Initial Shut-in Pressure 1275 PSI (depth) 4357' T-Out 09:15 AM

(E) Second Initial Flow Pressure 177 PSI Recorder No.

(F) Second Final Flow Pressure 244 PSI (depth)

(G) Final Shut-in Pressure 1231 PSI Initial Opening 45 Test

(H) Final Hydrostatic Mud 2076 PSI Initial Shut-in 45 Jars

Final Flow 45 Safety Joint

Final Shut-in 45 Straddle

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 John Farmer II Circ. Sub N/C

Our Representative Sampler

Extra Packer
Elect. Rec.
Other
TOTAL PRICE \$

15-109-20658-00-00
 TRILOBITE TESTING L.L.C.

OPERATOR : John O Farmer

DATE 10/18/97

WELL NAME: Gordon #1

KB 3231.00 ft

TICKET NO: 10455 DST #4

LOCATION : 16-11S-34W Logan Co KS

GR 3226.00 ft

FORMATION: Lansing KC "K"

INTERVAL : 4355.00 To 4380.00 ft

TD 4380.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057	11058			PF Fr. 1740 to 1810 hr
SI 30 Range(Psi)	4500.0	4500.0	4475.0	0.0	0.0	IS Fr. 1810 to 1840 hr
SF 30 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1840 to 1910 hr
FS 30 Depth(ft)	4356.0	4356.0	4377.0	0.0	0.0	FS Fr. 1910 to 1940 hr

	Field	1	2	3	4	
A. Init Hydro	2129.0	2088.0	0.0	0.0	0.0	T STARTED 1530 hr
B. First Flow	33.0	45.0	0.0	0.0	0.0	T ON BOTM 1730 hr
B1. Final Flow	22.0	18.0	0.0	0.0	0.0	T OPEN 1740 hr
C. In Shut-in	470.0	453.0	0.0	0.0	0.0	T PULLED 1940 hr
D. Init Flow	22.0	32.0	0.0	0.0	0.0	T OUT 1000 hr
E. Final Flow	22.0	22.0	0.0	0.0	0.0	
F. Fl Shut-in	504.0	483.0	0.0	0.0	0.0	
G. Final Hydro	2106.0	2085.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----

Tool Wt.	4000.00 lbs
Wt Set On Packer	27000.00 lbs
Wt Pulled Loose	60000.00 lbs
Initial Str Wt	42000.00 lbs
Unseated Str Wt	42000.00 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	0.00 ft
D.P. Length	3751.00 ft
H.W. I.D	2.70 in
H.W. Length	598.00 ft

RECOVERY

Tot Fluid	3.00 ft of	0.00 ft in DC and	3.00 ft in DP
3.00	ft of Drilling Mud with Oil Specs		
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

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	47.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Flow:
 Weak surface blow, died in 3 mins

Initial Shut In:
 No return

Final Flow:
 No blow

Final Shut In:
 No return

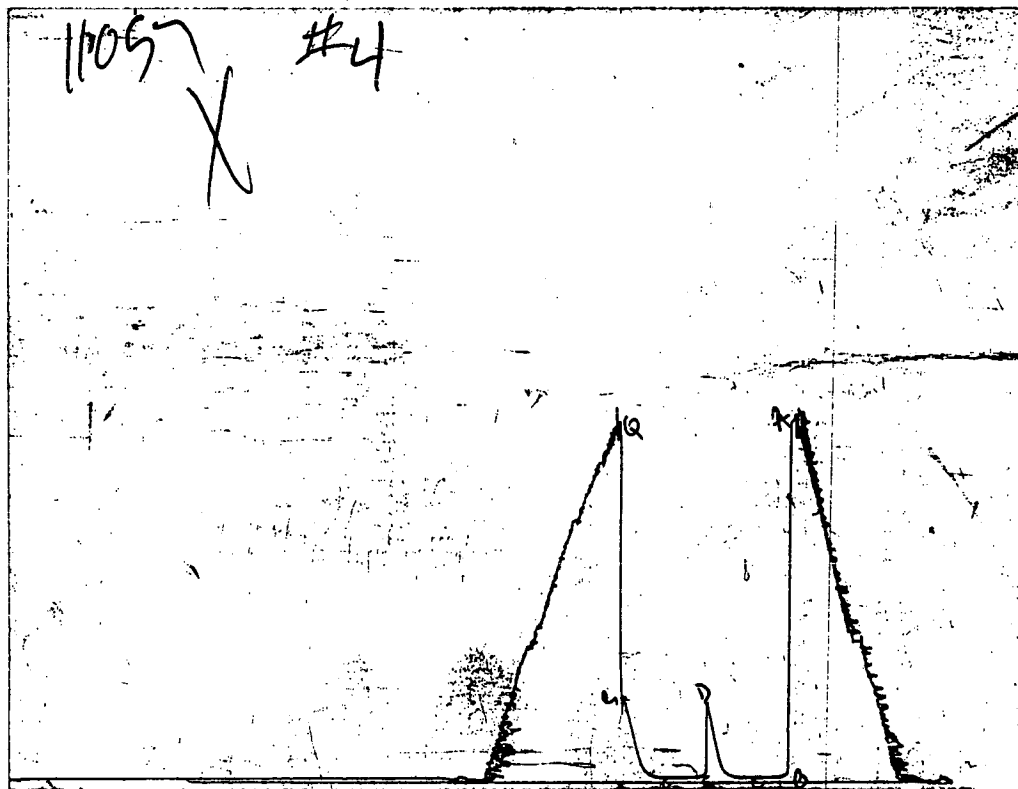
SAMPLES:

SENT TO:

Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Shane McBride
Co. Rep.	John O Farmer IV
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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

15-109-20658-00-00

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-109-20658-00-00

Test Ticket

No 10455

Well Name & No. <u>#1 Gordon</u>	Test No. <u>4</u>	Date <u>10-18-97</u>
Company <u>John O Farmer</u>	Zone Tested <u>L-KC "K"</u>	
Address <u>P.O. Box 352, Russell, KS 67665</u>	Elevation <u>3231'</u> KB <u>3226'</u> GL	
Co. Rep / Geo. <u>John O Farmer II</u>	Cont. <u>Abic #8</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>16</u> Twp. <u>11</u> Rge. <u>34</u>	Co. <u>Logan</u> State <u>KS</u>	
No. of Copies <u>None</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u>	Evaluation (Y, N) <u>N</u>

Interval Tested <u>4355'</u> <u>4380'</u>	Initial Str Wt./Lbs. <u>42000</u>	Unseated Str Wt./Lbs. <u>42000</u>
Anchor Length <u>25'</u>	Wt. Set Lbs. <u>27000</u>	Wt. Pulled Loose/Lbs. <u>60000</u>
Top Packer Depth <u>4350'</u>	Tool Weight <u>4000</u>	
Bottom Packer Depth <u>4355'</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input type="checkbox"/>
Total Depth <u>4380'</u>	Wt. Pipe Run <u>592</u>	Drill Collar Run <u> </u>
Mud Wt. <u>9.1</u> LCM <u> </u> Vis. <u>47</u> WL <u>9.6</u>	Drill Pipe Size <u>4 1/2 X 4</u>	Ft. Run <u>3751'</u>
Blow Description <u>Went surface blow dried in 3 min.</u>		

I.S.I.: No return

F.F.: No blow

F.S.I.: No return.

Recovery — Total Feet <u>3'</u>	GIP <u> </u>	Ft. in DC <u> </u>	Ft. in DP <u>3'</u>
Rec. <u>3'</u> Feet Of <u>Dr. lg Mud oil spec's</u>	%gas <u> </u>	%oil <u> </u>	%water <u>100</u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>

BHT 114° °F Gravity °API D@ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud 2129 PSI Recorder No. 11057 T-Started 15:30 P.M.

(B) First Initial Flow Pressure 33 PSI (depth) 4356' T-Open 17:40 P.M.

(C) First Final Flow Pressure 22 PSI Recorder No. 11058 T-Pulled 19:40 P.M.

(D) Initial Shut-in Pressure 470 PSI (depth) 4377' T-Out 10:00 P.M.

(E) Second Initial Flow Pressure 22 PSI Recorder No.

(F) Second Final Flow Pressure 22 PSI (depth)

(G) Final Shut-in Pressure 504 PSI Initial Opening 30 Test X

(H) Final Hydrostatic Mud 2106 PSI Initial Shut-in 30 Jars

Final Flow 30 Safety Joint

Final Shut-in 30 Straddle

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 John O Farmer II Circ. Sub X N/C

Our Representative Sampler

Extra Packer Elect. Rec.

Other TOTAL PRICE \$

15-109-20658-00-00

TRILOBITE TESTING L.L.C.

OPERATOR : John O Farmer

DATE 10-20-97

WELL NAME: #1 Gordon

KB 3231.00 ft

TICKET NO: 10456

DST #5

LOCATION : 16-11S-34W

GR 3226.00 ft

FORMATION: Johnson

INTERVAL : 4650.00 To 4695.00 ft

TD 4695.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11057	11057	2346			PF Fr. 0705 to 0735 hr
SI 30	Range (Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 0735 to 0805 hr
SF 30	Clock(hrs)	12 hr	12 hr	Elec			SF Fr. 0805 to 0835 hr
FS 30	Depth(ft)	4690.0	4690.0	4657.0	0.0	0.0	FS Fr. 0835 to 0905 hr

	Field	1	2	3	4	
A. Init Hydro	2355.0	2297.0	2294.0	0.0	0.0	T STARTED 0513 hr
B. First Flow	44.0	43.0	19.0	0.0	0.0	T ON BOTM 0701 hr
B1. Final Flow	33.0	31.0	20.0	0.0	0.0	T OPEN 0705 hr
C. In Shut-in	89.0	77.0	67.0	0.0	0.0	T PULLED 0905 hr
D. Init Flow	44.0	43.0	21.0	0.0	0.0	T OUT 1125 hr
E. Final Flow	33.0	35.0	21.0	0.0	0.0	
F. Fl Shut-in	78.0	64.0	56.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2343.0	2280.0	2241.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 26000.00 lbs

RECOVERY

Tot Fluid	2.00 ft of	0.00 ft in DC and	2.00 ft in DP
2.00	ft of Drilling Mud	100% 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		

Unseated Str Wt	44000.00 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	0.00 ft
D.P. Length	4094.00 ft
H.W. I.D	2.70 in
H.W. Length	598.00 ft

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

MUD DATA-----

Mud Type	Chemcial
Weight	9.20 lb/cf
Vis.	47.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop N	

BLOW DESCRIPTION

Initial Flow:
1/8" blow died in 28 minutes

Initial Shut In:
No return

Final Flow:
No blow

Final Shut In:
No return

Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 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.	John Farmer IV
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

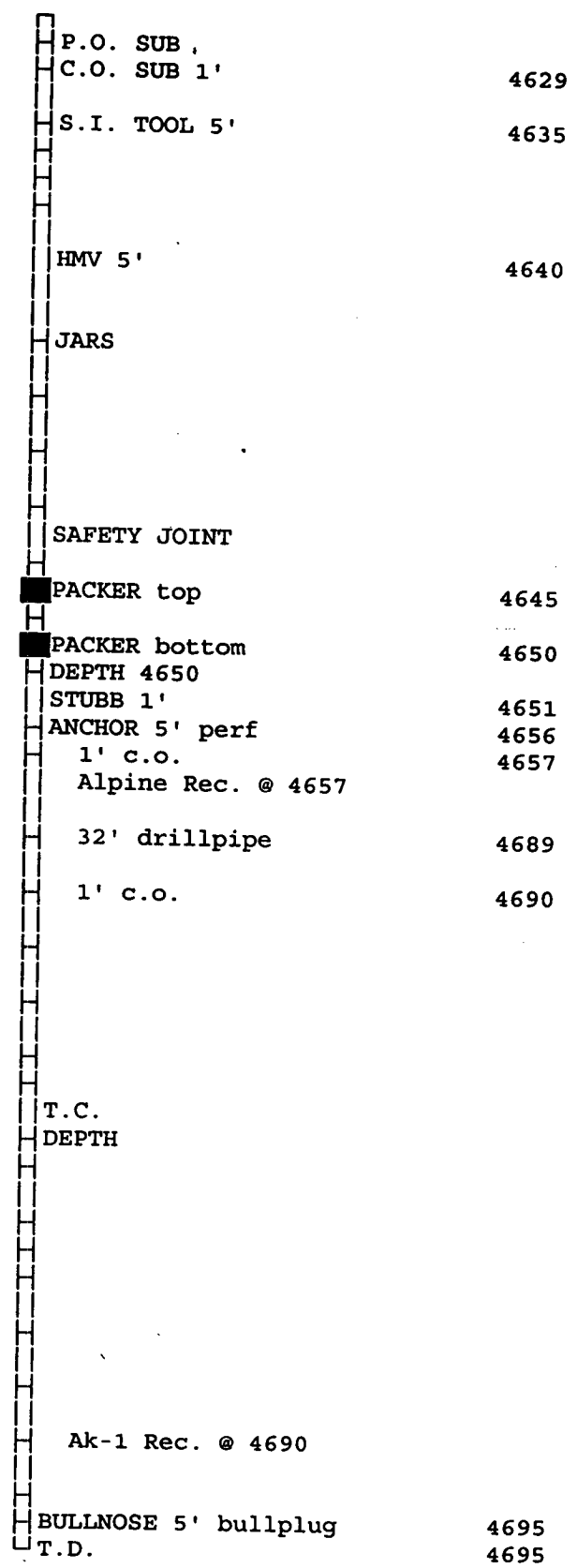
SAMPLES:
SENT TO:

Test Successful: Y

15-109-20658-00-00

*** TOOL DIAGRAM *** CONV

WELL NAME: #1 Gordon
 LOCATION : 16-11S-34W
 TICKET No. 10456 D.S.T. No. 5 DATE 10-20-97
 TOTAL TOOL TO BOTTOM OF TOP PACKERS 20
 INTERVAL TOOL
 BOTTOM PACKERS AND ANCHOR 13
 TOTAL TOOL 33
 DRILL COLLAR ANCHOR IN INTERVAL
 D.C. ANCHOR STND.Stands Single Total
 D.P. ANCHOR STND.Stands Single 1 Total 32
 TOTAL ASSEMBLY 65
 D.C. ABOVE TOOLS.Stands Single Total
 D.P. ABOVE TOOLS.Stands77 Single Total 4660
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4725
 TOTAL DEPTH 4695
 TOTAL DRILL PIPE ABOVE K.B. 30
 REMARKS:



15-109-20658-00:00

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10456 DST #5 #1 Gordon John O Farmer

DATE: 10/20/97

TIME: 17:11:10

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	97.00	2294.1	0.0	111.81		
***** Start Flow 1	0.00	19.0	0.0	115.94		
	10.00	20.4	1.4	116.24		
	20.00	20.8	1.8	116.54		
***** End Flow 1	30.00	19.7	0.7	116.94		
***** Start Shutin 1	0.00	19.7	0.0	116.94	0.0000	0.000
	10.00	24.1	4.4	117.37	4.0000	0.001
***** End Shut-in 1	25.00	67.4	47.7	118.01	2.2000	0.005
***** Start Flow 2	0.00	20.8	0.0	118.41		
	10.00	21.0	0.2	118.77		
***** End Flow 2	20.00	21.1	0.3	119.13		
***** Start Shutin 2	0.00	21.1	0.0	119.13	0.0000	0.000
	10.00	23.6	2.4	119.48	6.0000	0.001
	20.00	35.6	14.5	119.82	3.5000	0.001
***** End Shut-in 2	30.00	56.4	35.2	120.13	2.6667	0.003
***** Final Hydro.	237.00	2240.6	0.0	121.45		

TEST HISTORY

10456 DST #5 #1 Gordon John O Farmer

Flag Points

t(Min.) P(PSig)

A:	0.00	2294.10
B:	0.00	19.01
C:	30.00	19.67
D:	25.00	67.38
E:	0.00	20.81
F:	20.00	21.13
G:	30.00	56.38
Q:	0.00	2240.63

15-109-20658-00-00

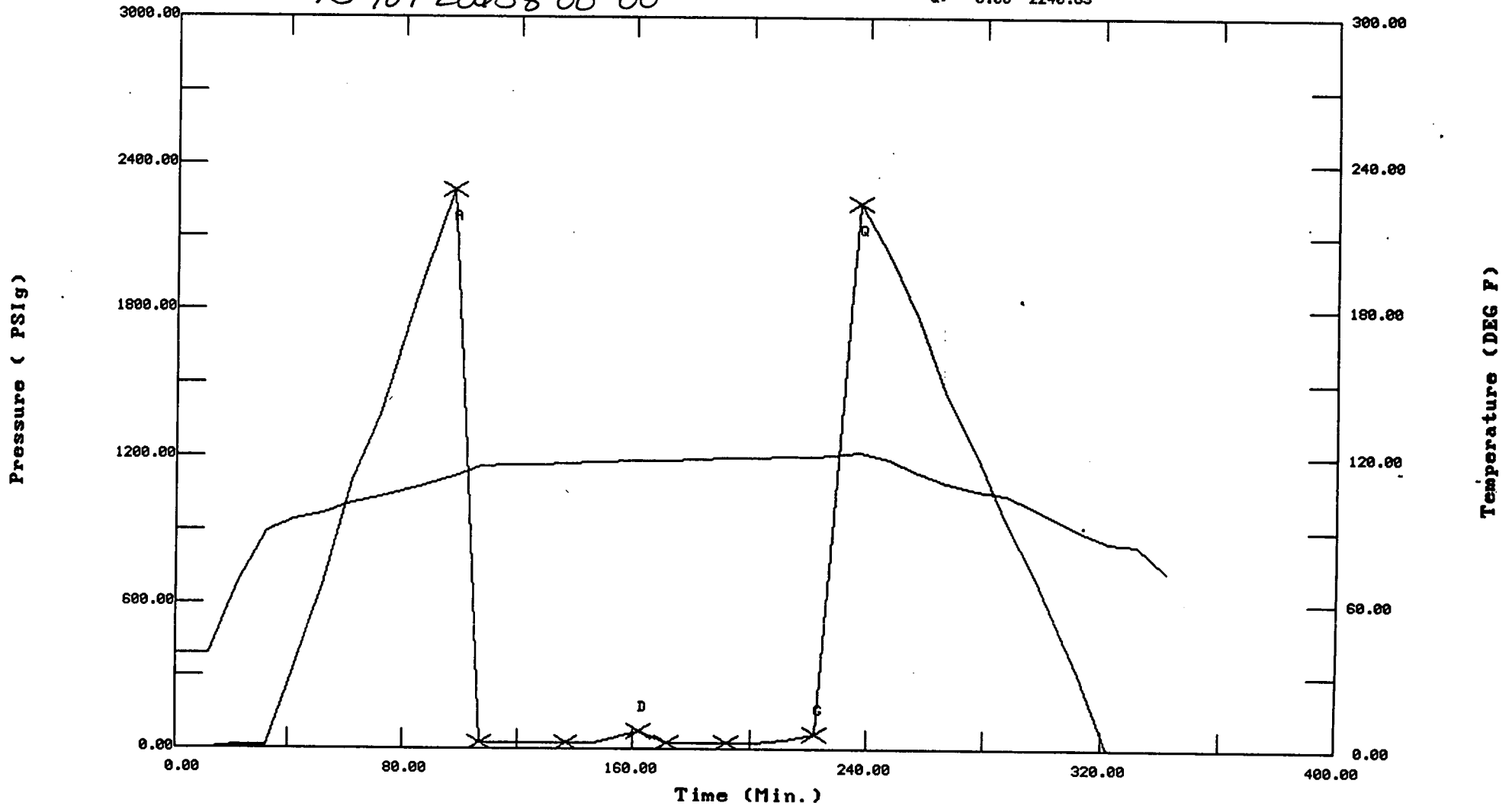
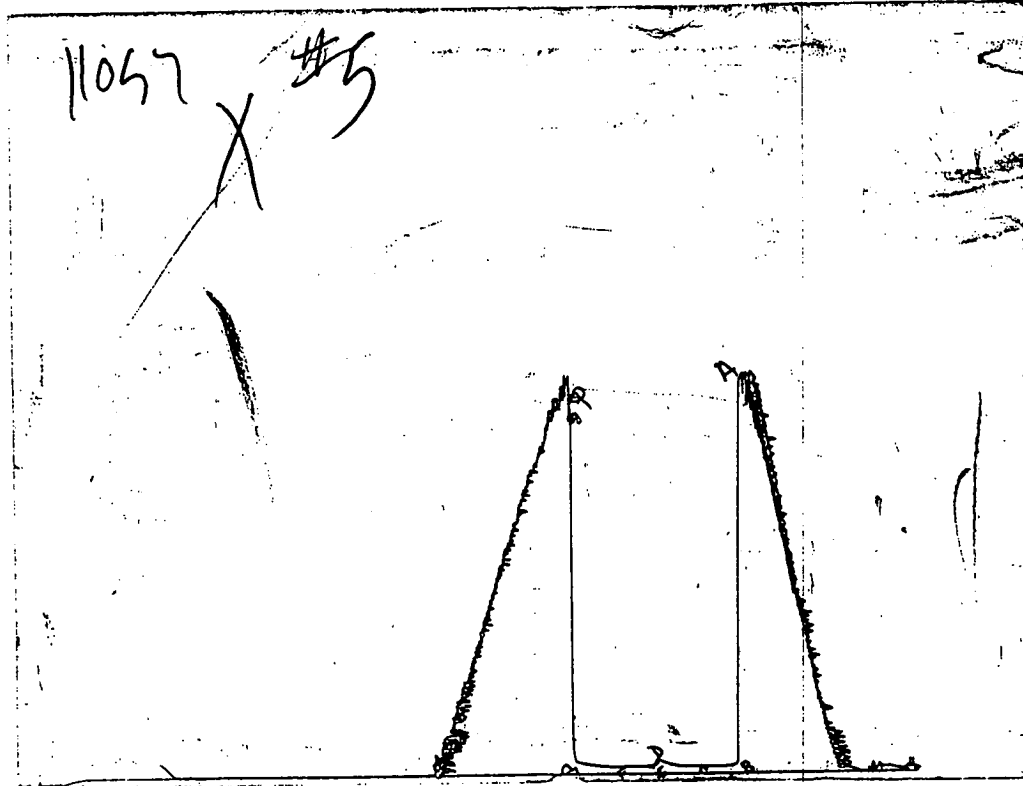


CHART PAGE



15-109-20658-00-00

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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-109-20658-00-00

Test Ticket

No 10456

Well Name & No. <u>#1 Gordon</u>	Test No. <u>5</u>	Date <u>10-20-97</u>
Company <u>John O Farmer</u>	Zone Tested <u>Johnson</u>	
Address <u>P.O. Box 352 Russell KS 67645</u>	Elevation <u>3231'</u> KB <u>3226'</u> GL	
Co. Rep / Geo. <u>John Farmer</u>	Cont. <u>Abie #8</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>16</u> Twp. <u>11</u> Rge. <u>34</u> Co. <u>Logan</u> State <u>KS</u>		
No. of Copies <u>None</u> Distribution Sheet (Y, N) <u>X</u>	Turnkey (Y, N) <u>X</u>	Evaluation (Y, N) <u> </u>

Interval Tested <u>4650'</u>	<u>4695'</u>	Initial Str Wt./Lbs. <u>42,000</u>	Unseated Str Wt./Lbs. <u>42,000</u>
Anchor Length <u> </u>	<u>45'</u>	Wt. Set Lbs. <u>27,000</u>	Wt. Pulled Loose/Lbs. <u>62,000</u>
Top Packer Depth <u> </u>	<u>4645'</u>	Tool Weight <u>4,000</u>	
Bottom Packer Depth <u> </u>	<u>4650'</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u> </u>	<u>4695'</u>	Wt. Pipe Run <u>598'</u>	Drill Collar Run <u> </u>
Mud Wt. <u>9.2</u> LCM <u> </u> Vis. <u>47</u> WL <u>8.8</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u> </u>
Blow Description <u>1/8" in blow died in 28 min.</u>			

I.S.I: No return
 F.F.: No Blow
 F.S.I: No return.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>2'</u>	<u> </u>	<u> </u>	<u>2'</u>
Rec. <u>2'</u> Feet Of <u>Drill Mud</u>	%gas	%oil	%water <u>100</u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud

BHT 118° °F Gravity °API D@ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud	<u>2355</u> <u>2294</u> PSI	Recorder No. <u>2346</u>	T-Started <u>05:13 AM</u>
(B) First Initial Flow Pressure	<u>44</u> <u>19</u> PSI	(depth) <u>4657'</u>	T-Open <u>07:05 AM</u>
(C) First Final Flow Pressure	<u>33</u> <u>19</u> PSI	Recorder No. <u>11057</u>	T-Pulled <u>09:05 AM</u>
(D) Initial Shut-in Pressure	<u>89</u> <u>67</u> PSI	(depth) <u>4690</u>	T-Out <u>11:25 AM</u>
(E) Second Initial Flow Pressure	<u>44</u> <u>20</u> PSI	Recorder No. <u> </u>	
(F) Second Final Flow Pressure	<u>33</u> <u>21</u> PSI	(depth) <u> </u>	
(G) Final Shut-in Pressure	<u>78</u> <u>56</u> PSI	Initial Opening <u>30</u>	Test <u>X</u>
(H) Final Hydrostatic Mud	<u>2343</u> <u>2240</u> PSI	Initial Shut-in <u>30</u>	Jars <u> </u>
<u>AK-1</u> <u>Alpine</u>	Final Flow <u>30</u>	Safety Joint <u> </u>	
	Final Shut-in <u>30</u>	Straddle <u> </u>	

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
 Our Representative Shumaker

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