

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

Operator: License # 32115  
 Name: GLB Exploration, Inc.  
 Address 200 N. Harvey - Suite 800  
 City/State/Zip Oklahoma City, OK 73102  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: Glenn Blumstein  
 Phone (405) 272-0715  
 Contractor: Name: Duke Drilling Co., Inc.  
 License: 5929  
 Wellsite Geologist: Bill Hamelton

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:  
 Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Corringled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
04-13-98      04-20-98      04-21-98  
 Spud Date      Date Reached TD      Completion Date

API NO. 15- 151-22161 0000  
 County Pratt County, Kansas plugged 4/21/98  
 E/2 - SW - SW - Sec. 25 Twp. 28S Rge. 14 ~~XXW~~

RECEIVED  
 KANSAS CORPORATION  
 700  
 1026  
 5-8-98  
 Feet from S/W (circle one) Line of Section  
 Feet from E/W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE, SE, NW or SW (circle one)  
 Lease Name LaDora Well # 1  
 Field Name Earl North  
 Producing Formation NONE  
 Elevation: Ground 1983' KB 1994'  
 Total Depth 4640' PBTD 4500'  
 Amount of Surface Pipe Set and Cemented at 320 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 DFA 6-23-98 U.C.  
 (Data must be collected from the Reserve Pit)

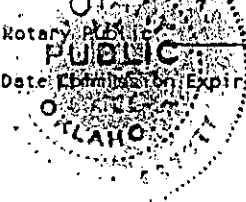
Chloride content 5,600 ppm Fluid volume 4,000 bbls  
 Dewatering method used EVAPORATION  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name \_\_\_\_\_  
 Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
 \_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W  
 County \_\_\_\_\_ Docket No. \_\_\_\_\_

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 Glenn Blumstein  
 Title PRESIDENT Date 5/5/98

Subscribed and sworn to before me this 5 day of MAY 19 98

Rotary Public Notary  
[Signature]  
 Date of Commission Expires 1/3/2001  


K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

Operator Name GLB Exploration, Inc.

Lease Name LaDora

Well # 1

Sec. 25 Twp. 28 Rge. 14  East  West

County Pratt County, Kansas

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  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

Log Formation (Top), Depth and Datum  Sample

Name Top Datum

HEEBWER 3768 (-1774)  
 LAWING 3948 (-1953)  
 VIOLA 4508 (-2513)  
 SIMPSON SAND 4520 (-2525)  
 ARBUCKLE 4600 (-2605)

List All E.Logs Run: DUAL INDUCTION,  
COMPENSATED NEUTRON DENSITY, MICROLOG,

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	14-1/4"	10-3/4"	32#	320'	60/40 Poz	250	6%gel

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<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  Yes  No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil N-A Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: METHOD OF COMPLETION Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, submit ACO-1B.)  Other (Specify) \_\_\_\_\_

# ALLIED CEMENTING CO., INC. 5896

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

## ORIGINAL

SERVICE POINT: med. lodge, ks

DATE <u>4-21-98</u>	SEC. <u>25</u>	TWP. <u>28S</u>	RANGE <u>14W</u>	CALLED OUT <u>8:00 A.M.</u>	ON LOCATION <u>12:15 P.M.</u>	JOB START <u>1:15 P.M.</u>	JOB FINISH <u>6:45 P.M.</u>
LEASE <u>Adora</u>	WELL # <u>1</u>	LOCATION <u>Sawyer, 6 1/2 N - 3 1/4 W - NKS</u>		COUNTY <u>Draft</u>	STATE <u>KS.</u>		

OLD OR NEW (Circle one)

CONTRACTOR <u>Duke Drilling #5</u>	OWNER <u>GLB EXPLORATION, INC.</u>
TYPE OF JOB <u>Rotary Drilling</u>	CEMENT
HOLE SIZE <u>7 7/8</u>	T.D. <u>4600</u>
CASING SIZE <u>10 3/4</u>	DEPTH <u>300'</u>
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u> x hole	DEPTH <u>4600</u>
TOOL	DEPTH
PRES. MAX. <u>500</u>	MINIMUM <u>100</u>
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	

AMOUNT ORDERED 220 SXS. 60/40/16% GEL

COMMON <u>A</u>	<u>132</u>	@ <u>6.35</u>	<u>838.20</u>
POZMIX	<u>28</u>	@ <u>3.25</u>	<u>226.00</u>
GEL	<u>11</u>	@ <u>9.50</u>	<u>104.50</u>
CHLORIDE		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>220</u>	@ <u>1.05</u>	<u>231.00</u>
MILEAGE	<u>220 x 12</u>	<u>.04</u>	<u>105.60</u>

### EQUIPMENT

PUMP TRUCK # <u>343</u>	CEMENTER <u>Harry Drelling</u>
	HELPER <u>Justin Holt</u>
BULK TRUCK # <u>242</u>	DRIVER <u>James Holt</u>
BULK TRUCK #	DRIVER

TOTAL \$ 1565.30

### REMARKS:

<u>4600 - 50 SXS</u>
<u>720 - 50 SXS</u>
<u>350 - 75 SXS</u>
<u>40' - 10 SXS</u>
<u>Rathole - 10 SXS</u>
<u>mouse - 10 SXS</u>
<u>Water Well Comp 10 SXS</u>

### SERVICE

DEPTH OF JOB <u>4600'</u>	
PUMP TRUCK CHARGE	<u>1244.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>12</u>	@ <u>2.85</u> <u>34.20</u>
PLUG	@
	@
	@

TOTAL \$ 1248.20

CHARGE TO: GLB EXPLORATION, INC.  
STREET 200 N. HARVEY AVE., ST. 200  
CITY OKLA. CITY STATE OKLA. ZIP 73102

### FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL \_\_\_\_\_

Atten: Virgil Clothier  
From: GLB Expl., Inc

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 \$2813.50  
DISCOUNT \$422.02 IF PAID IN 30 DAYS  
Net \$ 2391.48

SIGNATURE x Harry Rogers Harry Rogers

5/7/98

This film was previously  
sent. The ~~ecology~~ ~~report~~  
was left out.

15-151-22161

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

API NO. 15- 1-221610000

County Pratt

E/2 SW-SW sec. 25 Twp. 285 Rge. 14 X X <sup>E</sup> <sub>W</sub>

700 Feet from S/N (circle one) Line of Section

1026 Feet from E/W (circle one) Line of Section

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

Lease Name LaDora Well # 1

Field Name Earl North

Producing Formation None None

Elevation: Ground 1984 KB 1995

Total Depth 4,640' PBTB

Amount of Surface Pipe Set and Cemented at 320' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan DAA, 6-23-98 OC  
(Data must be collected from the Reserve Pit)

Chloride content 5,000 ppm Fluid volume 4,000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

Operator: License # 32115

Name: GLB Exploration, Inc.

Address 200 N. Harvey # 800

City/State/Zip Oklahoma City, OK  
73102

Purchaser: \_\_\_\_\_

Operator Contact Person: Glen Blumstein

Phone ( 405 ) 272-0715

Contractor: Name: Duke Drilling

License: #5929

Wellsite Geologist: Bill Hamilton

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.

Gas  ENHR  SIGW

Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover: \_\_\_\_\_

Operator: ORIGINAL

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back  PBTB

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

4-13-98 4-20-98 4-21-98  
Spud Date Date Reached TD Completion Date

DATES TAKEN From Earlier ACO-1.

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 [Signature]

Title President Date May 26, 1998

Subscribed and sworn to before me this 5th day of May 1998

Notary Public [Signature]

Date Commission Expires 1/3/2001

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

Operator Name GLB Exploration SIDE TWO  
 Lease Name LaDora Well # 1  
 Sec. 25 Twp. 28S Rge. 14  East  
 County PRATT  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  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)  
 List All E.Logs Run:  
 Dual Induction, Compensated  
 Neutron Density Microlog

Log	Formation (Top), Depth and Datum	Sample
HERBNER	Top 3,769'	Datum (-1774')
LANSING	3,948'	(-1,953')
SIMPSON SAND	4,526'	(-2,556')
ARBUCKLE	4,600'	(-2,605')

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 Casing	14 1/4	10 3/4	32	320	60/40 Pozmix A	250	2% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	None		

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

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify) Well Plugged **MAY 11 1990**

RECEIVED  
 STATE COMMISSION

MIDCONTINENT CONSULTANTS, INC.

P.O. Box 720964  
Oklahoma City, OK 73172-0964

ORIGINAL

GEOLOGICAL REPORT

GLB EXPLORATION, INC.

LaDora No.1

Section 25-T28S-R14W

Pratt County, Kansas

15-151 - 22161

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STATE COMMISSION

MAY 1 1966

ORIGINAL

WELL DATA

Operator: GLB Exploration, Inc  
Well Name: LaDora Number: 1  
Location: 700' FSL & 1026' FWL  
Section: 25 Township: 28S Range: 14W  
County: Pratt State: Kansas  
Elevation: GL 1984' DF 1994' KB 1995'  
Spud Date: 4/13/98  
Completed Drilling Date: 4/20/98  
Total Depth: Driller 4640' Logger 4640'  
Well Status:

HOLE SIZE RECORD

<u>Bit No.</u>	<u>Bit Size</u>	<u>Type Bit</u>	<u>From</u>	<u>To</u>
1	14 1/4"	RR	0	320
2	7 7/8"	WM42CF	320	4509
3	"	WN42CF	4509	4640

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STATE OF KANSAS  
MAY 11 1998  
COURT REPORTERS  
Wichita Kansas



# ORIGINAL

## CASING RECORD

	<u>From</u>	<u>To</u>	<u>Size</u>	<u>Cement</u>
<u>Surface</u>	0	320	10 3/4"	250 SX

## DRILLSTEM TEST RECORD

<u>From</u>	<u>To</u>	<u>Formation</u>	<u>Type Test</u>	<u>Tester</u>
4494	4509	Simpson	Conv	D. Amerine
4440	4490	Viola	Straddle	D. Amerine

## ELECTRIC LOGGING RECORD

<u>Type Log</u>	<u>From</u>	<u>To</u>	<u>Run Number</u>	<u>Company</u>
GR-SP-DIL	3700	4640	1	ELI
GR-CDL-CNL	3700	4616	1	"

STATE OF MISSOURI  
MAY 1 1900  
COUNTY OF WASHINGTON

# ORIGINAL

## SERVICES

### GEOLOGIST

Midcontinent Consultants, Inc.

P.O. Box 720964

Oklahoma City, Oklahoma 73172-0964

Telephone: 405-236-0008 810-0908 990-2225(C) 722-3920(H)

### DRILLING CONTRACTOR

Duke Drilling Rig # 5

310 W. Central, Suite 202

Wichita, KS 67202-1004

316-267-1331

Toolpusher: Joe Livingston 316-793-0835

### MUD

Baroid Drilling Fluids

4334 NW Expressway, Suite 150

Oklahoma City, OK 73116

405-840-7000

Engineer: John Mathes

### CEMENTING

Allied Cementing

P.O. Box 628

Great Bend, KS 67530

316-793-5861

### TESTING

Trilobite Testers, LLC

P.O. Box 362

Hayes, KS 67601

Tester: Darren Amerine

### ELECTRICAL LOGGING

ELI Wireline Services

P.O. Box 82

Ellinwood, KS 67526

Engineer: Mitch Rupp

RECEIVED  
STATE COMMISSION

MAY 17 1986  
CONSERVATION DIVISION  
Wichita, Kansas

FORMATION TOPS

<u>Formation</u>	<u>Log</u>	<u>Subsea</u>	<u>Sample</u>	<u>Subsea</u>
Heebner	3778	-1783	3742	-1747
Toronto	3788	-1793	3760	-1765
Iatan	3884	-1889	3860	-1865
Lansing	3948	-1953	3916	-1921
Kansas City	4067	-2072	4020	-2025
Marmaton	4340	-2345	4346	-2351
Cherokee	4392	-2397	4398	-2403
Mississippi	4404	-2409	4436	-2441
Viola	4433	-2438	4476	-2481
Simpson	4520	-2525	4494	-2499
Simpson Shale	4540	-2545	2534	-2539
Arbuckle	4600	-2605	4586	-2591

RECEIVED  
 STATE OF KANSAS  
 MAY 1 1 1908  
 DEPARTMENT OF GEOLOGY  
 TOPEKA, KANSAS

# ORIGINAL

## SAMPLE DESCRIPTIONS

Iatan 3884 (-1889) Sandstone, off white to clear to light grey, very fine to fine grain, sub-angular to sub-round, poor to fair sorting, firm, friable in part, slightly micaceous, slightly pyritic in part, poor to fair porosity, no show.

Lansing 3948 (-1953) Limestone, cream to buff to tan to brown, micro to fine crystalline, firm to hard, slightly chalky in part, dense in part, poor to no porosity, no show.

Kansas City 4067 (-2072) Limestone, cream to tan to buff, micro to fine crystalline, firm to hard, slightly chalky in part, poor to no porosity, scattered dull yellow mineral fluorescence, no show.

Marmaton 4340 (-2345) Limestone, buff to tan to cream, micro to fine crystalline, firm to hard, slightly chalky in part, poor to no porosity, no show.

Mississippi 4404 (-2409) Limestone, tan to brown to buff to cream, micro to fine crystalline, firm to hard, cherty in part, chalky, poor to no porosity, no show.

Viola 4433 (-2438) Limestone, cream to off white, soft to firm, chalky, poor to no porosity, no show. Chert, white to off white, hard, conchoidal, scattered hairline fractures, poor to fair porosity, no show.

Simpson 4520 (-2525) Sandstone, clear, medium to coarse grain, round to sub-round to angular, poor to fair sorting, unconsolidated, poor to good porosity, no show.

Arbuckle 4600 (-2605) Dolomite, buff to cream to tan, micro to fine crystalline, firm to hard, slightly sucrosic in part, poor poor porosity, no show.

RECEIVED  
STATE OF KANSAS

MAY 1 1998

WICHITA, KANSAS

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

№ 10782

Well Name & No. Ladoga #1 Test No. #1 Date 4/19/98  
 Company B, L, B Exploration Zone Tested Simpson  
 Address 200 N. Harvey, Suite 800, Oklahoma City OK Elevation 1995 KB 1984 GL  
 Co. Rep / Geo. Bill Hamilton Cont. Duke #3 Est. Ft. of Pay      Por.     %  
 Location: Sec. 25 Twp. 28<sup>S</sup> Rge. 14 W Co. Pratt State KS  
 No. of Copies 5 Distribution Sheet (Y, N)      Turnkey (Y, N) Yes Evaluation (Y, N)     

Interval Tested 4494' - 4509' Initial Str Wt./Lbs. 70,000 Unseated Str Wt./Lbs. 72,000  
 Anchor Length 15' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 80,000  
 Top Packer Depth 4489' Tool Weight 2100  
 Bottom Packer Depth 4494' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 4509' Wt. Pipe Run      Drill Collar Run 488 1/4'  
 Mud Wt. 9.2 LCM 2<sup>H</sup> Vis. 50 WL 12.0 Drill Pipe Size 4 1/2 XH Ft. Run 4008'  
 Blow Description IF: (Weak blow) Built to 3" in 1120  
ISI: Bled down for 2 mins. No bp  
FF: (Weak blow) Built to 3" in 1120  
PST: Bled down for 2 mins. No bp

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
30	300'	30'		1	1	98	
Rec. 30	Feet Of	SUCRA Trace Oil					
Rec.	Feet Of						
Rec.	Feet Of						
Rec.	Feet Of						
Rec.	Feet Of						

BHT 115° °F Gravity      °API D@      °F Corrected Gravity      °API

RW      @      °F Chlorides      ppm Recovery Chlorides 5200 ppm System

(A) Initial Hydrostatic Mud	<u>2240</u>   <u>2227</u> PSI	Recorder No. <u>2350</u>	T-Started <u>11:30</u>
(B) First Initial Flow Pressure	<u>32</u>   <u>38</u> PSI	(depth) <u>4504'</u>	T-Open <u>13:26</u>
(C) First Final Flow Pressure	<u>42</u>   <u>52</u> PSI	Recorder No. <u>10991</u>	T-Pulled <u>17:11</u>
(D) Initial Shut-in Pressure	<u>85</u>   <u>96</u> PSI	(depth) <u>4506'</u>	T-Out <u>19:30</u>
(E) Second Initial Flow Pressure	<u>32</u>   <u>38</u> PSI	Recorder No. <u>    </u>	
(F) Second Final Flow Pressure	<u>52</u>   <u>42</u> PSI	(depth) <u>    </u>	
(G) Final Shut-in Pressure	<u>106</u>   <u>104</u> PSI	Initial Opening <u>15'</u>	Test <input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud	<u>2229</u>   <u>2226</u> PSI	Initial Shut-in <u>30'</u>	Jars <input checked="" type="checkbox"/>
	<u>AK-1</u>   <u>Alpine</u>	Final Flow <u>60'</u>	Safety Joint <input checked="" type="checkbox"/>
		Final Shut-in <u>120'</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 Bill Hamilton  
 Our Representative Darren J. Carneiro

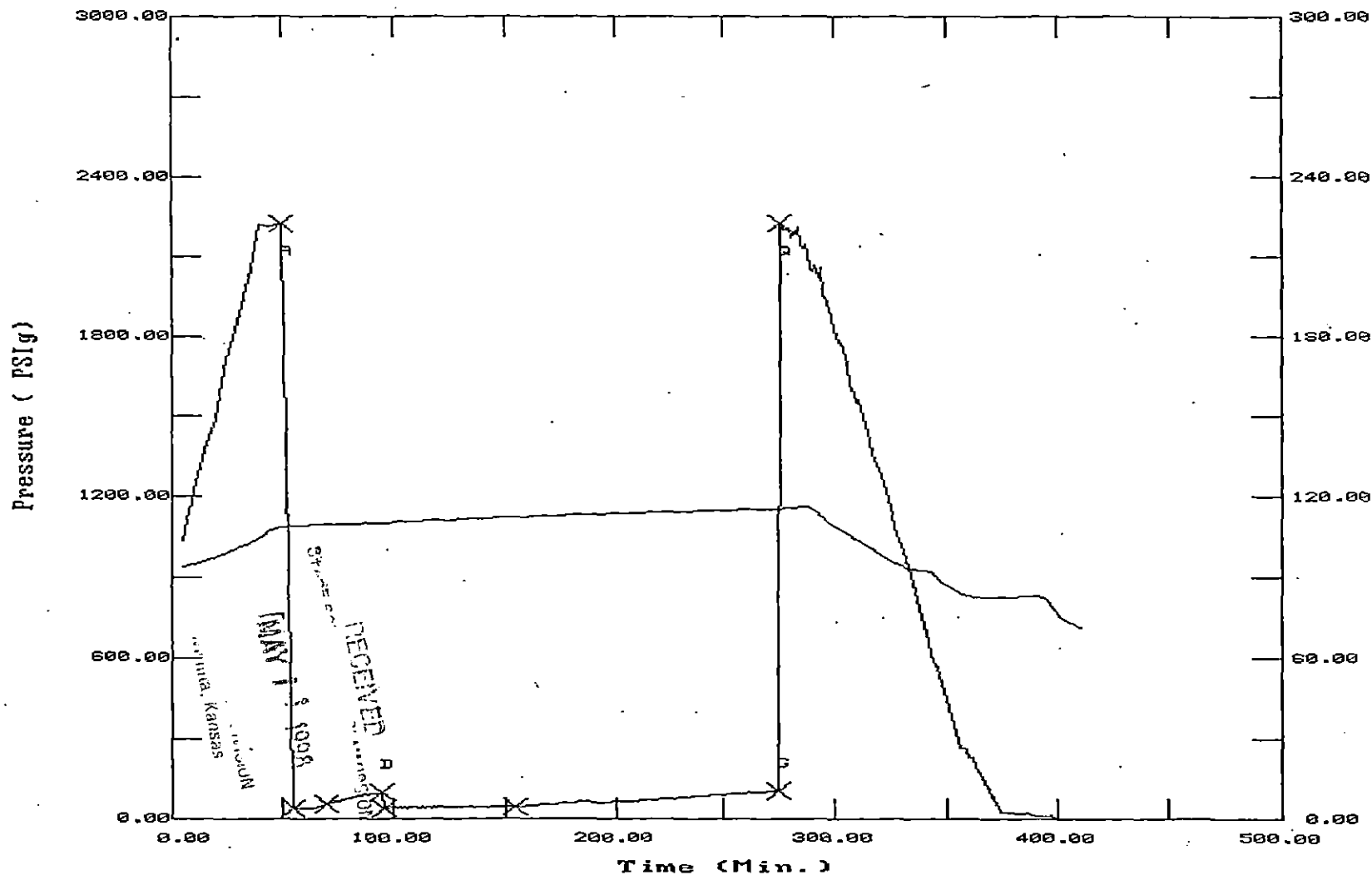
Circ. Sub       
 Sampler       
 Extra Packer       
 Elect. Rec.   
 Other       
 TOTAL PRICE \$



# TEST HISTORY

Tk#10782 DST#1 Ladora #1 G,L,B Exploration..

	Flag Points	
	t (Min.)	P (PSig)
A:	0.00	2227.10
B:	0.00	38.43
C:	15.00	52.03
D:	25.00	96.17
E:	0.00	38.43
F:	58.00	41.96
G:	121.00	103.73
Q:	0.00	2225.84



Temperature (DEG F)  
ORIGINAL

OPERATOR : G.L.B  
 WELL NAME: Ladora  
 LOCATION : Sec.25 Twp.28s  
 INTERVAL : 4494.00 To 4509.00 ft

DATE 04/19/98  
 KB 1995.00 ft  
 GR 1984.00 ft  
 TD 4509.00 ft  
 TICKET NO: 10782 DST #1  
 FORMATION: Simpson  
 TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4
PF 15 Rec.	10991	10991	2350		
SI 30 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0
SF 60 Clock(hrs)	12hr	12hr	elec		
FS 120 Depth(ft)	4506.0	4506.0	4506.0	0.0	0.0

TIME DATA-----

PF Fr.	1326	to	1341	hr
IS Fr.	1341	to	1411	hr
SF Fr.	1411	to	1511	hr
FS Fr.	1511	to	1711	hr

	Field	1	2	3	4
A. Init Hydro	2240.0	0.0	2227.0	0.0	0.0
B. First Flow	32.0	0.0	38.0	0.0	0.0
Bi. Final Flow	42.0	0.0	52.0	0.0	0.0
C. In Shut-in	85.0	0.0	96.0	0.0	0.0
D. Init Flow	32.0	0.0	38.0	0.0	0.0
E. Final Flow	52.0	0.0	42.0	0.0	0.0
F. Fl Shut-in	106.0	0.0	104.0	0.0	0.0
G. Final Hydro	2229.0	0.0	2226.0	0.0	0.0
Inside/Outside	0	0	I		

T STARTED 1130 hr  
 T ON BOTM 1324 hr  
 T OPEN 1326 hr  
 T PULLED 1711 hr  
 T OUT 1930 hr

TOOL DATA-----

Tool Wt.	2100.00	lbs
Wt Set On Packer	20000.00	lbs
Wt Pulled Loose	80000.00	lbs
Initial Str Wt	72000.00	lbs
Unseated Str Wt	72000.00	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	486.00	ft
D.P. Length	4008.00	ft

RECOVERY

Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP  
 30.00 ft of SWCM Trace of oil 1%oil 1%water 98% 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

IF:Weak blow.Built to 3" in H2O.

ISI:Bled down for 2 mins.No blow back.

FF:Weak blow.Built to 3" in H2O.

FSI:Bled down for 2 mins.No B.B.

SAMPLES:  
 SENT TO:

Test Successful: Y

MUD DATA-----

Mud Type	chemical
Weight	9.20 lb/cf
Vis.	50.00 S/L
W.L.	12.00 in <sup>3</sup>
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Bill Hamilton
Contr.	Duke
Rig #	5
Unit #	none
Pump T.	0000

STAMP  
 MAY 1 1998



# Midcontinent Consultants, Inc.

COMPANY  
WELL  
LOCATION  
COUNTY

CLB Exploration  
La Dora #1  
2001 FSL  
1026' FWL SECTION 25 TOWNSHIP 28S  
Pratt

DATE 4/15/98  
GEOLOGIST Hamilton  
RANGE 14W  
STATE KANSAS

DEPTH	FORMATION DESCRIPTION					POROSITY		SHOW		
	SH	SD	LM	DOL	OFF	TYPE	% FLUO	CUT	STN	
2000	70	30	10	60	SH, rd-gy, sft-fun,	IX	H	NS		
20	40		✓	50	f. tex, blk, ls, cm-					
30	60		✓	30	fm. micaceous, fm. rd,					
40	✓		✓	✓	sh. chky, Anky, wh,					
50	50		✓	40	sft-fun					
60	70		✓	20	✓					
70	50		✓	40	✓					
80	70		✓	20	✓					
90	✓		✓	✓	✓					
2100	✓		✓	✓	✓					
10	50	10	40	SHAA LSAA Anky AA	IX	H	NS			
20	✓		✓	✓	✓					
30	30		✓	60	✓					
40	✓		✓	✓	✓					
50	80		✓	10	✓					
60	70		✓	30	✓					
70	60		✓	30	✓					
80	✓		✓	✓	✓					
90	60	20	20	✓	✓					
2200	✓		✓	✓	✓					
10	70		✓	10	SH, gy - rd, sft-	IX	H	NS		
20	90	10	T	fun, f. tex, blk						
30	80		✓	10	ls, fm - am - b f, micaceous					
40	✓		✓	✓	sh. fm - rd, sh. chky					
50	60	30	✓	inpt, Anky AA						
60	80	10	✓	✓	✓					
70	50	30	20	✓	✓					
80	60		✓	10	✓					
90	50	40	✓	✓	✓					
2300	20	70	✓	✓	✓		H-P			

# Midcontinent Consultants, Inc.

COMPANY

GLB Exploration

DATE

4/16/98

WELL

LA DORA #1

GEOLOGIST

Hamber

LOCATION

SECTION 25

TOWNSHIP 28S

RANGE 14W

COUNTY

PRAIRIE

STATE

KANSAS

DEPTH	FORMATION DESCRIPTION					POROSITY		SHOW		
	SH	SD	LM	<del>ST</del> CHT		TYPE	% FLUO	CUT	STN	
2300	70		30	T	T	IX	H-P	NS		
20	80		20	✓	✓					
30	40		60	✓	✓					
40	60		40	✓	✓					
50	60		40	✓	✓					
60	30		70	✓	✓					
70	40		60	✓	✓					
80	30		70	✓	✓					
90	20		80	✓	✓					
2400	✓		✓	✓	✓					
10	10		90			IX	H-P	NS		
20	20		80	✓	✓					
30	✓		✓	✓	✓					
40	10		90							
50	20		80							
60	30		70							
70	10		90							
80	✓		✓							
90	20		70							
2500	✓		✓							
10	✓		✓			IX	H-P	NS		
20	40		60							
30	30		70							
40	✓		✓							
50	40		60							
60	30		70							
70	40		60							
80	60		40							
90	✓		✓							
2600	✓		✓							

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# Midcontinent Consultants, Inc.

COMPANY

GLB Exploration

DATE

4/16/98

WELL

LA DORA #1

GEOLOGIST

Hamilton

LOCATION

SECTION

25

TOWNSHIP

28S

RANGE

14W

COUNTY

PRAH

STATE

KANSAS

DEPTH	FORMATION DESCRIPTION					POROSITY		SHOW		
	SH	SD	LM	DOL	CHT	TYPE	% FLUO	CUT	STN	
2600-10	30		70			sh. gy - ltgy - gn - bk	IX	H-P	NS	
20	40		60			sft - fm, p tex,				
30	✓		✓			blky, ls, em to ht				
40	50		50			micro - f xln, fm,				
50	40		60			sl. chky in pt				
60	30		70			✓				
70	✓		✓			✓				
80	40		60			✓				
90	✓		✓			✓				
2700	✓		✓			✓				
10	30		70			sh. ls	IX	H-P	NS	
20	10		90			✓				
30	✓		✓			✓				
40	✓		✓			✓				
50	20		80			✓				
60	40		60			✓				
70	✓		✓			✓				
80	50		50			✓				
90	60		40			✓				
2800	70		30			✓				
10	60		40			sh. gy - gy - gn - rd - bk	IX	H-P	NS	
20	70		30			sft - fm, p tex, blky,				
30	30		70			ls, to - bt - em, micro				
40	✓		✓			f xln, fm, v sl. chky				
50	✓		✓			in pt				
60	✓		✓			✓				
70	✓		✓			✓				
80	20		80			✓				
90	40		60			✓				
2900	60		40			✓				

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Midcontinent Consultants, Inc.

COMPANY GLB Exploration DATE 4/16/98  
 WELL LA DORA #1 GEOLOGIST Hamilton  
 LOCATION SECTION 25 TOWNSHIP 28S RANGE 14W  
 COUNTY Pratt STATE OKIA

DEPTH	FORMATION DESCRIPTION					POROSITY		SHOW		
	SH	SD	LM	DOL	CHT	TYPE		% FLUO	CUT	STN
2900	10	60	40			Sh, gy-ld-blk-94.5m	IX	H-P	NS	
20	70		30			Sft-fam, flex, blk,				
30	80		20			Ls, cm-bt-fm,				
40	✓		✓			micro-f dln, fam,				
50	70		30			v sh chky in pt				
60	60		40			✓				
70	50		50			✓				
80	✓		✓			✓				
90	40		60			✓				
3000	50		50			✓				
10	60		40			SHAA L9AA	IX	H-P	NS	
20	40		60			✓				
30	50		50			✓				
40	30		70			✓				
50	50		50			✓				
60	60		40			✓				
70	70		30			✓				
80	60		40			✓				
90	40		60			✓				
3100	✓		✓			Spl Rock				
10	80		20			Sh, gy-ld-gn-br-blk,	IX	H-P	NS	
20	✓		✓			Sft-fam, flex, blk,				
30	70		30			✓				
40	✓		✓			✓				
50	✓		✓			✓				
60	80		20			✓				
70	✓		✓			✓				
80	✓		✓			✓				
90	70		30			✓				
3200	40		60			✓				

APR 19 1998  
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# Midcontinent Consultants, Inc.

COMPANY  
WELL  
LOCATION  
COUNTY

GLB Exploration  
LA DORA #1  
SECTION 25 TOWNSHIP 28S  
PRATT

DATE 4/17/98  
GEOLOGIST Hamilton  
RANGE 14W  
STATE KANSAS

DEPTH	FORMATION DESCRIPTION					POROSITY		SHOW		
	SH	SD	LM	DOL	CHT	TYPE	% FLUO	CUT	STN	
3200	10	40	60			Sh, gy-rd-gn-hk,	IX H-P	NS		
20	30	70				Sft-fm, f tex, blk,				
30	✓	✓				Lg, tn-cm-bt, micro				
40	40	60				f xln, fm-hd, sli fcs				
50	50	50				in pt, vsl chky inpt				
60	✓	✓				✓				
70	✓	✓				✓				
80	40	60				✓				
90	50	50				✓				
3300	40	60				✓				
10	60	40				SHAA LSAA	IX H-P	NS		
20	40	60				✓				
30	✓	✓				✓				
40	✓	✓				✓				
50	✓	✓				✓				
60	30	70				✓				
70	40	60				✓				
80	30	70				✓				
90	10	90				✓				
3400	✓	✓				✓				
10	10	90				SHAA Lg, cm-bt-tn,	IX H-P	NS		
20	✓	✓				Micro xln, fm-hd,				
30	✓	✓				Sli chky				
40	✓	✓				✓				
50	✓	✓				✓				
60	30	70				✓				
70	20	80				✓				
80	✓	✓				✓				
90	10	90				✓				
3500	✓	✓				✓				

KANSAS GEOLOGICAL SURVEY  
STATE COMMISSION  
APR 17 1998

# Midcontinent Consultants, Inc.

COMPANY

GLB Exp1

DATE

4/17/98

WELL

LA DORA No.1

GEOLOGIST

Hamilton

LOCATION

SECTION

25

TOWNSHIP

28S

RANGE

14W

COUNTY

Pratt

STATE

KANSAS

DEPTH	FORMATION DESCRIPTION					POROSITY		SHOW	
	SH	SD	LM	DOL	CHT	TYPE	% FLUO	CUT	STN
3500	10		90			IX	H-P	Set dull 4131 min	No
20	✓		✓						
30	✓		✓						
40	✓		✓						
50	✓		✓						
60	20		80						
70	✓		✓						
80	✓		✓						
90	10		90						
3600	✓		✓						
10	10		90			IX	H-P	Set dull 4131 min	No
20	✓		✓						
30	✓		✓						
40	✓		✓						
50	✓		✓						
60	✓		✓						
70	20		80						
80	✓		✓						
90	10		90						
3700	✓		✓						
10	10		90			IX	H-P	Set dull 4131 min	No
20	✓		✓						
30	✓		✓						
40	✓		✓						
50	✓		✓						
60	40		60						
70	10		90						
80	30		70						
90	60		40						
3800	80		20						

STATE OF KANSAS  
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GEOLOGICAL SURVEY

# Midcontinent Consultants, Inc.

COMPANY  
WELL  
LOCATION  
COUNTY

GLB Exploration  
LA Dora #1  
SECTION 25 TOWNSHIP 28S  
PRAIRIE

DATE 4/17/99  
GEOLOGIST Hamilton  
RANGE 14W  
STATE KANSAS

DEPTH	FORMATION DESCRIPTION					POROSITY		SHOW		
	SH	SD	LM	DOL	CHT	TYPE	% FLUO	CUT	STN	
3800	70	20	80			IX H-P	sets dust 421 min	NO		
20	✓		✓							
30	10		90							
40	20		80							
50	30	T	70							
60	50	30	20			IX H-P FG P-f	SS NS			
70	40	30	30							
80	20	40	40							
90	✓	20	60							
3900	70	T	30							
10	60	✓	40			IX H-P	sets dust 421 min	NO		
20	10	80	10							
30	T	✓	20			IX H-P FG P-f	SS NS			
40	10	✓	10							
50	90	10	T							
60	✓	✓	✓							
70	70	T	20							
80	30		70			IX H-P				
90	10		90							
4000	✓		✓							
10	10		90			IX H-P	sets dust 421 min	NO		
20	✓		✓							
30	✓		✓							
40	✓		✓							
50	✓		✓							
60	✓		✓							
70	✓		✓							
80	✓		✓							
90	✓		✓							
4100	✓		✓							

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COMPANY  
WELL  
LOCATION  
COUNTY

GLB Exploration  
LA DORA #1  
SECTION 25 TOWNSHIP 28S  
PRA #

DATE 4/18/98  
GEOLOGIST HAMILTON  
STATE KANSAS

RANGE 4W

DEPTH	FORMATION DESCRIPTION					POROSITY		SHOW		
	SH	SD	LM	DOL	CHT	TYPE	% FLUO	CUT	STN	
4100	30		70			IX H-P	Setd dull 401 min	No		
20	20		80							
30	10		90							
40	30		70							
50	✓		✓							
60	✓		✓							
70	✓		✓							
80	10		90							
90	✓		✓							
4200	20		80							
10	10		90			IX H-P	Setd dull 401 min	No		
20	T		100							
30	10		90							
40	20		80							
50	✓		✓							
60	20		✓							
70	30		70							
80	20		80							
90	✓		✓							
4300	30		70							
10	10		90			IX H-P	Setd dull 401 min	No		
20	✓		✓							
30	20		80							
40	✓		✓							
50	30		70							
60	10		90							
70	20		80							
80	40		60	T						
90	20		80	✓						
4400	✓		✓							

REMOVED SECTION



# ORIGINAL

## Midcontinent Consultants, Inc.

COMPANY GLB Expl DATE 4/19/98  
 WELL LA DORA #1 GEOLOGIST Hamilton  
 LOCATION SECTION 25 TOWNSHIP 28S RANGE 14W  
 COUNTY Pratt STATE KANSAS

DEPTH	FORMATION DESCRIPTION					POROSITY		SHOW		
	SH	SD	LM	DOL	CHT	TYPE	% FLUO	CUT	STN	
4400										
10	10		80	10	Sh, dk gy-bk-ld, sft-	IX	H-P	95%	No	
20	✓		70	20	fin, f-m tex, blk	IX	H-P	45%		
30	10		80	10	ls, am-ott wh-bk			45%		
40	20		70	✓	micro-fxn, fin-			CNT-NS		
50	20		30	50	hd, sli chky Cnt					
60	✓		✓	✓	wh-ott wh, hd,					
70	✓		40	40	cong, seta Hc fine					
80	✓		30	50	✓					
90	✓		20	60	✓					
4500										
10	30		20	50	SHA-LGA CHTA	IX	H-P	55%	NO	
20	✓	T	✓	✓	✓	IX	H-P	45%		
30	40	✓	30	30	✓			45%		
40	✓	✓	✓	✓	✓			CNT-NS		
50	✓	✓	40	20	✓					
60	20	✓	20	10	sh, dk gy-gy-bk-ld-					
70	50	✓	30	20	br, sft-fm, f-					
80	✓		✓	✓	m tex, blk, sli, ls					
90	✓		✓	✓	am-bt-fn, micro-					
4600										
10	60		10	20	10	sli sdy imp Del bt-				
20	✓		✓	✓	✓	fn, micro, fin, am-bk,				
30	✓		✓	✓	✓	✓				
40	20		10	60	✓	✓				
1 hr Core	30		10	50	10	✓				

RECEIVED  
 MAY 1 1998  
 MISSOURI  
 DIVISION



WELL NAME:  
COMPANY:  
LOCATION:

Ladora #1  
GLB  
25-28S-14W  
Pratt County, Kansas  
4/23/98

ORIGINAL

DATE:

15-151-22161

TRILOBITE TESTING L.L.C.

OPERATOR : G,L,B DATE 04/19/98  
 WELL NAME: Ladora KB 1995.00 ft TICKET NO: 10782 DST #1  
 LOCATION : 25-28s-14w Pratt KS GR 1984.00 ft FORMATION: Simpson  
 INTERVAL : 4494.00 To 4509.00 ft TD 4509.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10991	10991	2350			PF Fr. 1326 to 1341 hr
SI 30 Range(Psi )	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1341 to 1411 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1411 to 1511 hr
FS 120 Depth(ft )	4506.0	4506.0	4506.0	0.0	0.0	FS Fr. 1511 to 1711 hr

	Field	1	2	3	4	
A. Init Hydro	2240.0	2216.0	2227.0	0.0	0.0	T STARTED 1130 hr
B. First Flow	32.0	21.0	38.0	0.0	0.0	T ON BOTM 1324 hr
B1. Final Flow	42.0	14.0	52.0	0.0	0.0	T OPEN 1326 hr
C. In Shut-in	85.0	48.0	96.0	0.0	0.0	T PULLED 1711 hr
D. Init Flow	32.0	17.0	38.0	0.0	0.0	T OUT 1930 hr
E. Final Flow	52.0	17.0	42.0	0.0	0.0	
F. Fl Shut-in	106.0	72.0	104.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2229.0	2197.0	2226.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid	30.00 ft of	30.00 ft in DC and	0.00 ft in DP	Unseated Str Wt	72000.00 lbs
30.00	ft of Slight water cut	mud trace of oil		Bot Choke	0.75 in
0.00	ft of	1% oil 1% water 98% mud		Hole Size	7.88 in
0.00	ft of			D Col. ID	2.25 in
0.00	ft of			D. Pipe ID	3.80 in
0.00	ft of			D.C. Length	486.00 ft
0.00	ft of			D.P. Length	4008.00 ft
0.00	ft of				

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

BLOW DESCRIPTION

Initial Flow:  
 Weak blow built to 3" in water  
 Initial Shut-in:  
 Bled down for 2 mins.No blow back.  
 Final Flow:  
 Weak blow.Built to 3" in H2O.  
 Final Shut-in:  
 Bled down for 2 mins. no blow back

SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type chemical  
 Weight 9.20 lb/cf  
 Vis. 50.00 S/L  
 W.L. 12.00 in3  
 F.C. 0.32 in  
 Mud Drop N  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 115.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren Amerine  
 Co. Rep. Bill Hamilton  
 Contr. Duke  
 Rig # 5  
 Unit # none  
 Pump T. 0000

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Ladora  
 LOCATION : 25-28s-14w Pratt KS  
 TICKET No. 10782 D.S.T. No. 1 DATE 04/19/98  
 TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28  
 INTERVAL TOOL .....  
 BOTTOM PACKERS AND ANCHOR ..... 15  
 TOTAL TOOL ..... 43  
 DRILL COLLAR ANCHOR IN INTERVAL .....  
 D.C. ANCHOR STND.Stands Single Total  
 D.P. ANCHOR STND.Stands Single Total  
 TOTAL ASSEMBLY .....  
 D.C. ABOVE TOOLS.Stands 8 Single Total 486  
 D.P. ABOVE TOOLS.Stands 64 Single 1 Total 4008  
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4537  
 TOTAL DEPTH ..... 4509  
 TOTAL DRILL PIPE ABOVE K.B. .... 28  
 REMARKS:

P.O. SUB top of tool @	4467
C.O. SUB	4468
S.I. TOOL	4473
HMV	4478
JARS	4483
SAFETY JOINT	4485
PACKER	4489
PACKER	4494
DEPTH	
STUBB 1'stubb to	4495
ANCHOR 4'perfs to	4499
	4499
	4499
T.C. DEPTH	
5'of perfs.to	4504
	4504
alpine rec@4504 ak-1 rec.@4506	
BULLNOSE 5'bullnose to T.D.	4509

# TEST HISTORY

Tk#10782 DST#1 Ladora #1 G,L,B Exploration.

Flag Points

t(Min.) PK PSig)

R:	0.00	2227.10
B:	0.00	38.43
C:	15.00	52.03
D:	25.00	96.17
E:	0.00	38.43
F:	58.00	41.96
G:	121.00	103.73
Q:	0.00	2225.84

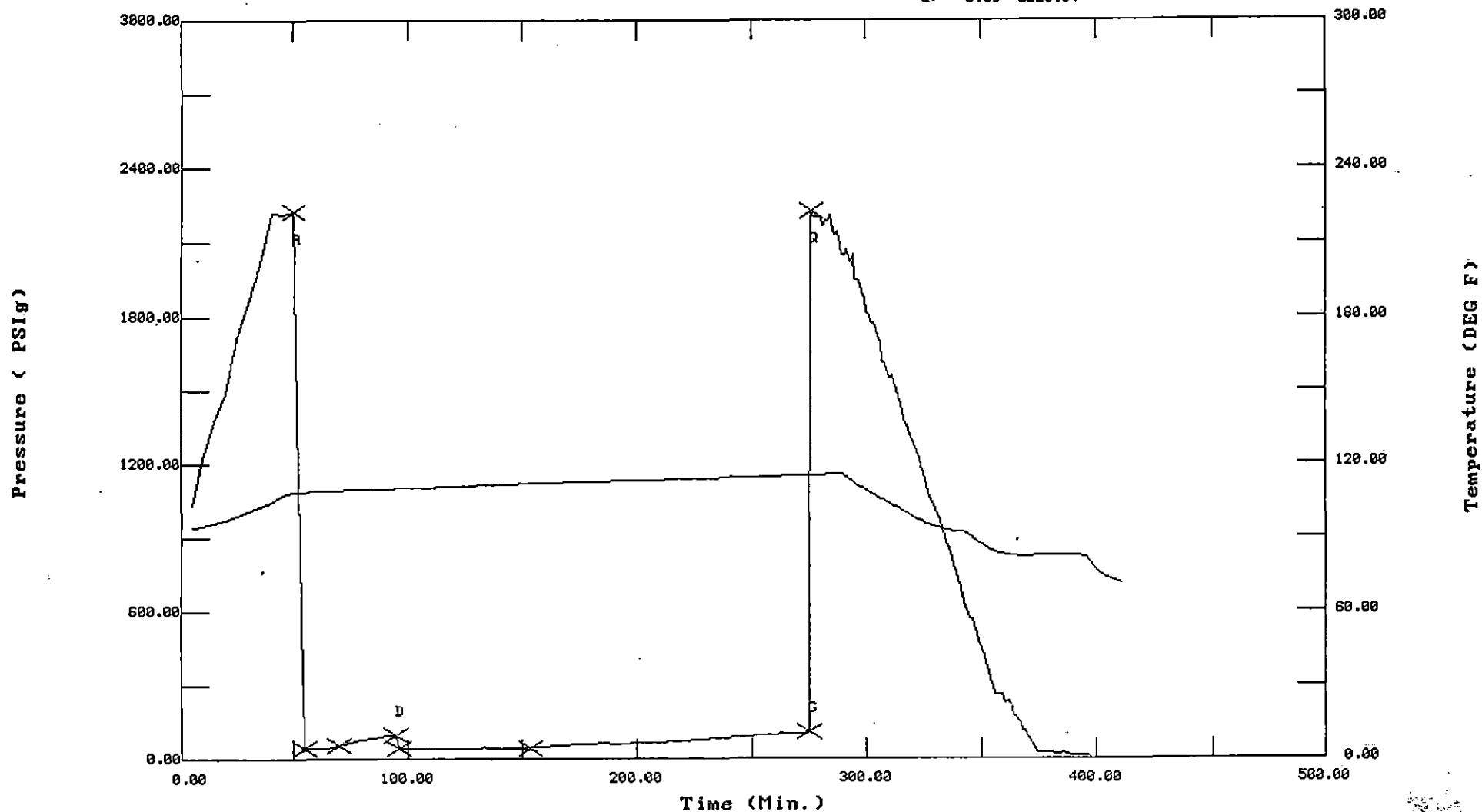
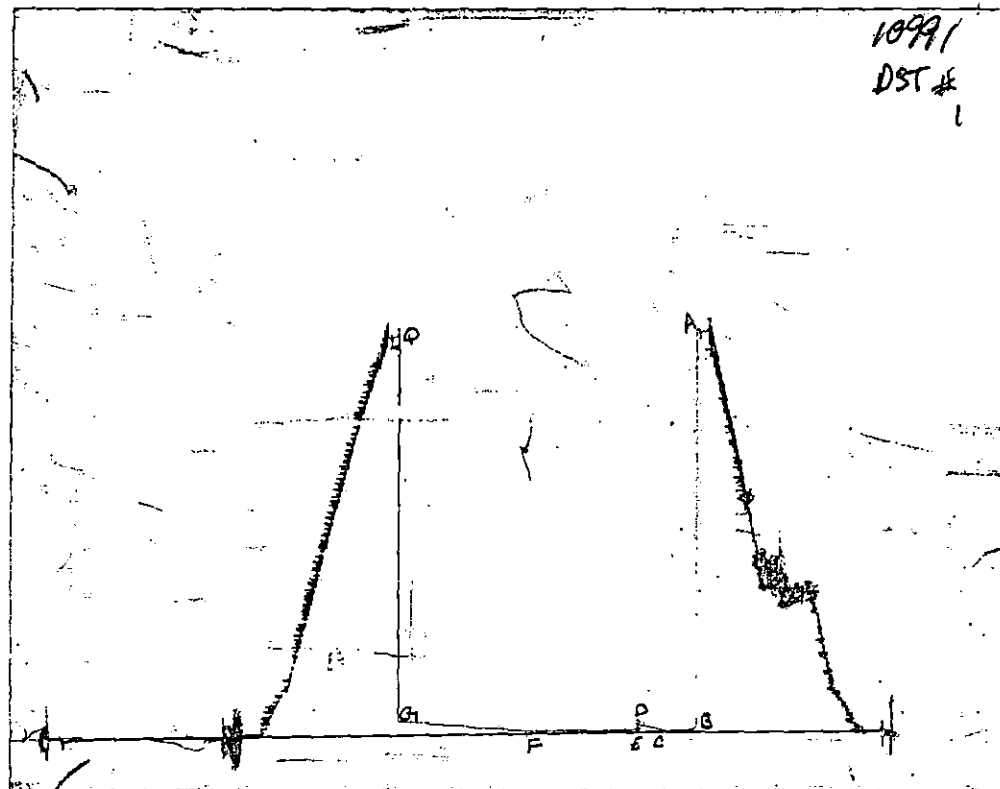


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10782 DST#1 Ladora #1 G,L,B Exploration.

DATE: 04/19/98

TIME: 12:35:18

	Time	Pressure PSI <sub>g</sub>	delta P PSI <sub>g</sub>	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	50.00	2227.1	0.0	108.35		
***** Start Flow 1	0.00	38.4	0.0	108.80		
	5.00	40.2	1.8	109.12		
	10.00	40.4	2.0	109.24		
***** End Flow 1	15.00	52.0	13.6	109.32		
***** Start Shutin 1	0.00	52.0	0.0	109.32	0.0000	0.003
	5.00	63.4	11.3	109.41	4.0000	0.004
	10.00	73.8	21.8	109.53	2.5000	0.005
	15.00	83.1	31.1	109.67	2.0000	0.007
	21.00	92.9	40.9	109.87	1.7143	0.009
	22.00	93.4	41.4	109.91	1.6818	0.009
	23.00	94.3	42.3	109.95	1.6522	0.009
	24.00	95.3	43.3	109.99	1.6250	0.009
***** End Shut-in 1	25.00	96.2	44.1	110.02	1.6000	0.009
***** Start Flow 2	0.00	38.4	0.0	110.06		
	1.00	40.6	2.2	110.09		
	2.00	39.3	0.8	110.13		
	3.00	41.5	3.0	110.16		
	4.00	39.9	1.4	110.20		
	5.00	40.8	2.3	110.23		
	6.00	39.6	1.2	110.26		
	7.00	41.6	3.2	110.30		
	8.00	39.9	1.4	110.34		
	9.00	40.9	2.4	110.36		
	10.00	39.8	1.3	110.40		
	11.00	40.8	2.3	110.43		
	12.00	42.0	3.5	110.47		
	13.00	40.7	2.3	110.50		
	14.00	40.9	2.4	110.54		
	15.00	40.2	1.8	110.58		
	16.00	40.2	1.8	110.60		
	17.00	41.8	3.4	110.64		
	18.00	40.5	2.1	110.67		
	19.00	41.2	2.8	110.71		
	20.00	40.8	2.3	110.74		
	21.00	40.5	2.1	110.78		
	22.00	42.0	3.5	110.81		
	23.00	39.5	1.1	110.85		
	24.00	41.5	3.0	110.89		
	25.00	42.6	4.2	110.90		
	26.00	41.1	2.7	110.94		
	27.00	41.3	2.9	110.98		
	28.00	41.0	2.6	111.01		
	29.00	40.9	2.5	111.04		
	30.00	41.8	3.4	111.08		
	31.00	40.9	2.5	111.11		
	32.00	41.8	3.4	111.14		
	33.00	40.9	2.4	111.18		
	34.00	42.0	3.6	111.20		
	35.00	41.1	2.7	111.24		
	36.00	42.0	3.5	111.27		



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10782 DST#1 Ladora #1 G,L,B Exploration.

DATE: 04/19/98

TIME: 12:35:18

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	37.00	42.9	4.4	111.31		
	38.00	41.3	2.9	111.34		
	39.00	42.2	3.8	111.36		
	40.00	40.2	1.8	111.40		
	41.00	41.0	2.6	111.44		
	42.00	42.0	3.6	111.47		
	43.00	40.8	2.3	111.50		
	44.00	41.8	3.4	111.53		
	45.00	42.6	4.2	111.57		
	46.00	40.4	2.0	111.60		
	47.00	41.6	3.2	111.62		
	48.00	42.5	4.0	111.66		
	49.00	41.5	3.0	111.69		
	50.00	41.4	2.9	111.72		
	51.00	42.4	3.9	111.76		
	52.00	40.8	2.3	111.79		
	53.00	41.8	3.4	111.82		
	54.00	40.5	2.1	111.86		
	55.00	41.3	2.9	111.88		
	56.00	42.3	3.9	111.91		
	57.00	43.4	5.0	111.94		
***** End Flow 2	58.00	42.0	3.5	111.98		
***** Start Shutin 2	0.00	42.0	0.0	111.98	0.0000	0.002
	1.00	43.3	1.3	112.00	74.0000	0.002
	2.00	43.9	1.9	112.04	37.5000	0.002
	3.00	44.6	2.6	112.07	25.3333	0.002
	4.00	45.4	3.4	112.10	19.2500	0.002
	5.00	46.0	4.0	112.13	15.6000	0.002
	6.00	46.9	5.0	112.17	13.1667	0.002
	7.00	47.6	5.6	112.19	11.4286	0.002
	8.00	48.2	6.3	112.22	10.1250	0.002
	9.00	48.9	7.0	112.25	9.1111	0.002
	10.00	49.8	7.8	112.28	8.3000	0.002
	11.00	50.6	8.6	112.31	7.6364	0.003
	12.00	51.2	9.2	112.34	7.0833	0.003
	13.00	51.9	10	112.37	6.6154	0.003
	14.00	52.6	10.7	112.41	6.2143	0.003
	15.00	53.3	11.3	112.43	5.8667	0.003
	16.00	53.9	11.9	112.46	5.5625	0.003
	17.00	54.4	12.4	112.49	5.2941	0.003
	18.00	54.9	12.9	112.52	5.0556	0.003
	19.00	55.6	13.6	112.55	4.8421	0.003
	20.00	56.0	14.0	112.58	4.6500	0.003
	21.00	56.6	14.6	112.61	4.4762	0.003
	22.00	57.0	15.0	112.63	4.3182	0.003
	23.00	57.6	15.7	112.66	4.1739	0.003
	24.00	58.2	16.2	112.69	4.0417	0.003
	25.00	58.6	16.6	112.72	3.9200	0.003
	26.00	59.2	17.2	112.74	3.8077	0.003
	27.00	59.7	17.7	112.78	3.7037	0.004
	28.00	60.0	18.0	112.80	3.6071	0.004

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10782 DST#1 Ladora #1 G,L,B Exploration.

DATE: 04/19/98

TIME: 12:35:18

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
29.00	60.6	18.6	112.83	3.5172	0.004
30.00	61.1	19.1	112.87	3.4333	0.004
31.00	61.5	19.6	112.89	3.3548	0.004
32.00	62.1	20.1	112.92	3.2812	0.004
33.00	62.8	20.8	112.95	3.2121	0.004
34.00	63.2	21.2	112.97	3.1471	0.004
35.00	56.7	14.8	113.00	3.0857	0.003
36.00	57.2	15.3	113.03	3.0278	0.003
37.00	57.6	15.7	113.06	2.9730	0.003
38.00	58.1	16.1	113.09	2.9211	0.003
39.00	58.4	16.4	113.12	2.8718	0.003
40.00	58.7	16.8	113.14	2.8250	0.003
41.00	59.4	17.5	113.17	2.7805	0.004
42.00	59.8	17.9	113.18	2.7381	0.004
43.00	60.3	18.4	113.22	2.6977	0.004
44.00	60.8	18.9	113.25	2.6591	0.004
45.00	61.1	19.1	113.28	2.6222	0.004
46.00	61.8	19.8	113.30	2.5870	0.004
47.00	62.2	20.2	113.33	2.5532	0.004
48.00	62.6	20.6	113.36	2.5208	0.004
49.00	62.9	20.9	113.38	2.4898	0.004
50.00	63.4	21.4	113.41	2.4600	0.004
51.00	63.8	21.8	113.43	2.4314	0.004
52.00	64.1	22.2	113.46	2.4038	0.004
53.00	64.3	22.3	113.48	2.3774	0.004
54.00	64.6	22.7	113.51	2.3519	0.004
55.00	65.2	23.2	113.54	2.3273	0.004
56.00	65.5	23.5	113.56	2.3036	0.004
57.00	65.9	23.9	113.59	2.2807	0.004
58.00	66.4	24.4	113.61	2.2586	0.004
59.00	66.6	24.7	113.63	2.2373	0.004
60.00	67.0	25.0	113.66	2.2167	0.004
61.00	67.6	25.7	113.69	2.1967	0.005
62.00	68.1	26.1	113.71	2.1774	0.005
63.00	68.6	26.6	113.74	2.1587	0.005
64.00	69.1	27.2	113.76	2.1406	0.005
65.00	69.8	27.9	113.79	2.1231	0.005
66.00	70.7	28.7	113.82	2.1061	0.005
67.00	71.3	29.4	113.83	2.0896	0.005
68.00	71.8	29.9	113.86	2.0735	0.005
69.00	72.5	30.5	113.88	2.0580	0.005
70.00	73.2	31.2	113.91	2.0429	0.005
71.00	74.0	32.1	113.93	2.0282	0.005
72.00	74.6	32.6	113.95	2.0139	0.006
73.00	75.2	33.2	113.99	2.0000	0.006
74.00	75.8	33.8	114.00	1.9865	0.006
75.00	76.6	34.7	114.03	1.9733	0.006
76.00	77.4	35.4	114.05	1.9605	0.006
77.00	78.1	36.2	114.07	1.9481	0.006
78.00	78.9	36.9	114.10	1.9359	0.006
79.00	79.4	37.4	114.10	1.9241	0.006

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10782 DST#1 Ladora #1 G,L,B Exploration.

DATE: 04/19/98

TIME: 12:35:18

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>	
80.00	80.0	38.0	114.15	1.9125	0.006	
81.00	80.6	38.7	114.18	1.9012	0.007	
82.00	81.2	39.3	114.19	1.8902	0.007	
83.00	81.6	39.6	114.23	1.8795	0.007	
84.00	82.2	40.3	114.25	1.8690	0.007	
85.00	82.7	40.8	114.26	1.8588	0.007	
86.00	83.5	41.5	114.29	1.8488	0.007	
87.00	84.1	42.1	114.32	1.8391	0.007	
88.00	84.9	43.0	114.34	1.8295	0.007	
89.00	85.4	43.5	114.36	1.8202	0.007	
90.00	85.9	44.0	114.38	1.8111	0.007	
91.00	86.7	44.7	114.40	1.8022	0.008	
92.00	87.5	45.6	114.43	1.7935	0.008	
93.00	88.1	46.2	114.46	1.7849	0.008	
94.00	88.7	46.7	114.47	1.7766	0.008	
95.00	89.3	47.3	114.50	1.7684	0.008	
96.00	90.0	48.1	114.52	1.7604	0.008	
97.00	90.5	48.6	114.54	1.7526	0.008	
98.00	91.0	49.0	114.57	1.7449	0.008	
99.00	91.4	49.4	114.59	1.7374	0.008	
100.00	92.1	50.2	114.61	1.7300	0.008	
101.00	92.6	50.6	114.63	1.7228	0.009	
102.00	93.1	51.1	114.66	1.7157	0.009	
103.00	93.7	51.8	114.68	1.7087	0.009	
104.00	94.6	52.6	114.70	1.7019	0.009	
105.00	95.0	53.0	114.73	1.6952	0.009	
106.00	95.6	53.6	114.73	1.6887	0.009	
107.00	96.0	54.0	114.77	1.6822	0.009	
108.00	96.6	54.6	114.79	1.6759	0.009	
109.00	97.1	55.1	114.81	1.6697	0.009	
110.00	97.5	55.6	114.84	1.6636	0.01	
111.00	98.2	56.2	114.85	1.6577	0.01	
112.00	98.6	56.7	114.88	1.6518	0.01	
113.00	99.3	57.3	114.90	1.6460	0.01	
114.00	99.9	57.9	114.92	1.6404	0.01	
115.00	100.5	58.5	114.94	1.6348	0.010	
116.00	101.0	59.0	114.96	1.6293	0.010	
117.00	101.9	59.9	114.99	1.6239	0.010	
118.00	102.3	60.3	115.00	1.6186	0.010	
119.00	102.7	60.8	115.03	1.6134	0.011	
120.00	103.2	61.3	115.04	1.6083	0.011	
***** End Shut-in 2	121.00	103.7	61.8	115.08	1.6033	0.011
***** Final Hydro.	276.00	2225.8	0.0	115.14		

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 10782

Well Name & No. <u>Ladora #1</u>		Test No. <u>#1</u>	Date <u>4/19/98</u>
Company <u>G, L, B Exploration</u>		Zone Tested <u>Simpson</u>	
Address <u>200 N. Harvey, Suite 800, Oklahoma City OK</u>		Elevation <u>1995</u> KB <u>1984</u> GL	
Co. Rep / Geo. <u>Bill Hamilton</u>		Cont. <u>Duke #5</u>	Est. Ft. of Pay. <u>    </u> Por. <u>    </u> %
Location: Sec. <u>25</u> Twp. <u>28<sup>S</sup></u>		Rge. <u>14 W</u>	Co. <u>Pratt</u> State <u>KS</u>
No. of Copies <u>5</u> Distribution Sheet (Y, N) <u>    </u>		Turnkey (Y, N) <u>Yes</u>	Evaluation (Y, N) <u>    </u>

Interval Tested <u>4494' - 4509'</u>	Initial Str Wt./Lbs. <u>72,000</u>	Unseated Str Wt./Lbs. <u>72,000</u>
Anchor Length <u>15'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>80,000</u>
Top Packer Depth <u>4489'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4494'</u>	Hole Size — <u>7 7/8" L</u>	Rubber Size — <u>6 3/4" L</u>
Total Depth <u>4509'</u>	Wt. Pipe Run <u>    </u>	Drill Collar Run <u>486' / 11</u>
Mud Wt. <u>9.2</u> LCM <u>2<sup>#</sup></u> Vis. <u>50</u> WL <u>12.0</u>	Drill Pipe Size <u>4 1/2" XH</u>	Ft. Run <u>4008'</u>

Blow Description IF' Weak blow. Built to 3" in H2O  
ISI: Bled down for 2 mins. No bb.  
FF' Weak blow. Built to 3" in H2O.  
BT: Bled down for 2 mins. No bb.

Recovery — Total Feet <u>30'</u>	GIP <u>300'</u>	Ft. in DC <u>30'</u>	Ft. in DP <u>    </u>
Rec. <u>30</u> Feet Of <u>SWCM Trace-Oil</u>	%gas <u>1</u>	%oil <u>1</u>	%water <u>98</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 115° °F Gravity      °API D@      °F Corrected Gravity      °API  
 RW      @      °F Chlorides      ppm Recovery Chlorides 5200 ppm System

(A) Initial Hydrostatic Mud <u>2240</u>   <u>2227</u> PSI	Recorder No. <u>2350</u>	T-Started <u>11:30</u>
(B) First Initial Flow Pressure <u>32</u>   <u>38</u> PSI	(depth) <u>4504'</u>	T-Open <u>13:26</u>
(C) First Final Flow Pressure <u>42</u>   <u>52</u> PSI	Recorder No. <u>10991</u>	T-Pulled <u>17:11</u>
(D) Initial Shut-in Pressure <u>85</u>   <u>96</u> PSI	(depth) <u>4506'</u>	T-Out <u>19:30</u>
(E) Second Initial Flow Pressure <u>32</u>   <u>38</u> PSI	Recorder No. <u>    </u>	
(F) Second Final Flow Pressure <u>52</u>   <u>42</u> PSI	(depth) <u>    </u>	
(G) Final Shut-in Pressure <u>106</u>   <u>104</u> PSI	Initial Opening <u>15'</u>	Test <u>    </u> ✓
(H) Final Hydrostatic Mud <u>2229</u>   <u>2226</u> PSI	Initial Shut-in <u>30'</u>	Jars <u>    </u> ✓
<u>AK-1</u> <u>ALPine</u>	Final Flow <u>60'</u>	Safety Joint <u>    </u> ✓
	Final Shut-in <u>120'</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 Bill Hamilton

Circ. Sub       
 Sampler       
 Extra Packer       
 Elect. Rec.      ✓

TRILOBITE TESTING L.L.C.

OPERATOR : G.L.B Exploration

DATE 04/20/98

WELL NAME: Ladora

KB 1995.00 ft

TICKET NO: 10783

DST #2

LOCATION : 25-28s-14s

GR 1984.00 ft

FORMATION: Viola

INTERVAL : 4440.00 To 4490.00 ft

TD 4640.00 ft

TEST TYPE: CONVENTIONAL/STRADD

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	5	Rec.	10991	10991	2350		PF Fr. 1649 to 1654 hr
SI	0	Range (Psi )	4200.0	4200.0	4995.0	0.0	IS Fr. mis to run hr
SF	0	Clock (hrs)	12hr.	12hr.	elec.		SF Fr. to hr
FS	0	Depth (ft )	4483.0	4483.0	4451.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2327.0	0.0	0.0	T STARTED 1435 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM 1646 hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN 1649 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 1654 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 1854 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	2291.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 1400.00 ft of 486.00 ft in DC and 914.00 ft in DP  
 1400.00 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

Wt Set On Packer 20000.00 lbs  
 Wt Pulled Loose 80000.00 lbs  
 Initial Str Wt 72000.00 lbs  
 Unseated Str Wt 80000.00 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 486.00 ft  
 D.P. Length 4131.00 ft

BLOW DESCRIPTION

IF:

FF:

SAMPLES:

SENT TO:

MUD DATA-----  
 Mud Type chemical  
 Weight 9.30 lb/c  
 Vis. 54.00 S/L  
 W.L. 13.10 in3  
 F.C. 0.32 in  
 Mud Drop N

Amt. of fill 0.00 ft  
 Btm. H. Temp. 115.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 3  
 Cushion Amt. 0.00 n  
 Cushion Type none  
 Reversed Out N  
 Tool Chased N  
 Tester Darren Amerine  
 Co. Rep. Bill Hamilton  
 Contr. Duke  
 Rig # 5  
 Unit # none  
 Pump T. n

Test Successful: N

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL/STRADD

WELL NAME: Ladora

LOCATION : 25-28s-14s

TICKET No. 10783 D.S.T. No. 2 DATE 04/20/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 30

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 42

TOTAL TOOL ..... 72

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 2 Single 1 Total 155

TOTAL ASSEMBLY ..... 227

D.C. ABOVE TOOLS.Stands 8 Single Total 486

D.P. ABOVE TOOLS.Stands 63 Single 1 Total 3946

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4659

TOTAL DEPTH ..... 4640

TOTAL DRILL PIPE ABOVE K.B. .... 19

REMARKS:

P.O. SUB Top of tool @	4413
C.O. SUB	4414
S.I. TOOL	4419
HMV	4424
JARS	4429
SAFETY JOINT	4431
PACKER	4435
PACKER	4440
DEPTH	
STUBB 1'stubb to	4441
ANCHOR 5'perfs.to	4446
Alpine rec.@4451	
30'jt.drillpipe to	4476
	4476
	4476
ak-1 rec.@4483	
14'of perfs.to	4490
T.C.	
DEPTH	
PACKER	4490
1'stubb to	4491
19'of perfs.to	4510
	4510
	4510
125'drillpipe to	4635
ak-1 rec.@ 4637	
BULLNOSE 5'bullnose to	4640
T.D.	

# TEST HISTORY

TK#10783 DST#2 Ladora#1 G.L.B Exploration.

Flag Points

t (Min.) P (PSig)

R: 0.00 2327.31

Q: 0.00 2291.22

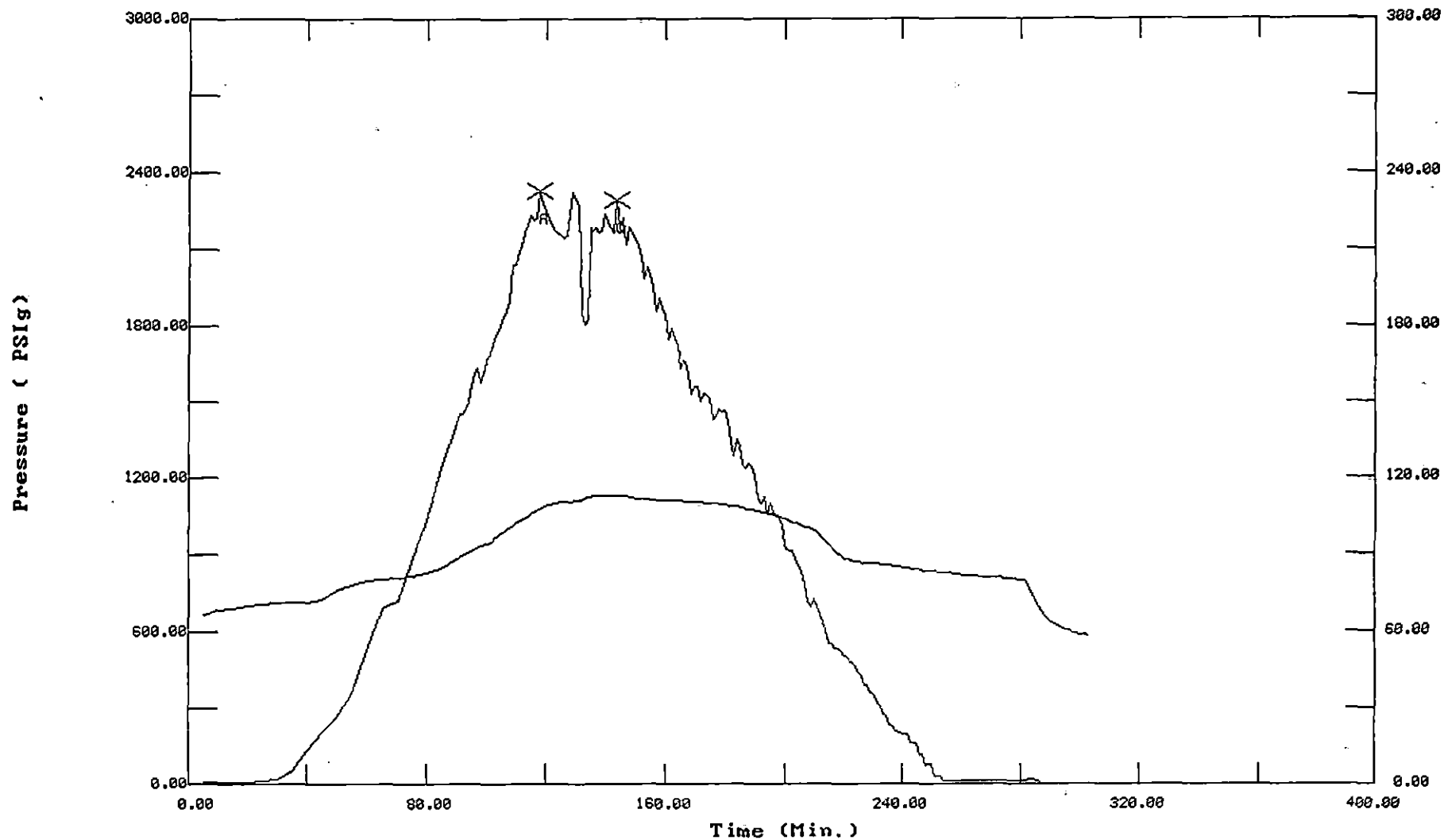
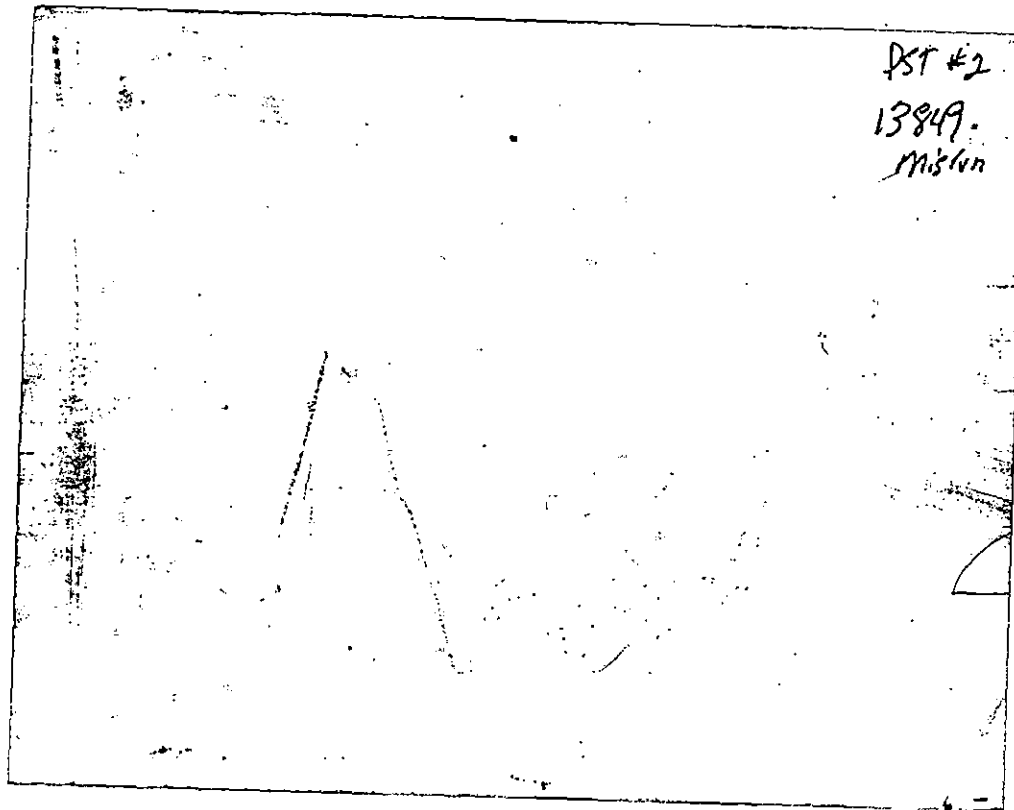


CHART PAGE



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



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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10783 DST#2 Ladora#1 G.L.B Exploration.

DATE: 04/20/98 TIME: 14:38:10  
 -----

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	118.00	2327.3	0.0	107.51		
***** Start Flow 1	0.00	2291.2	0.0	112.72		
***** End Flow 1	1.00	2186.6	-104.7	112.71		
***** End Shut-in 1	146.00	2186.6	0.0	112.71	0.0068	4.781
***** Final Hydro.	145.00	2186.6	0.0	112.71		

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 10783

Well Name & No. <u>Ladora #1</u>	Test No. <u>#2</u>	Date <u>4/20/98</u>
Company <u>GLB Exploration</u>	Zone Tested _____	
Address <u>200 N. Harney, Suite 800, Oklahoma City OK</u>		Elevation <u>1995</u> KB <u>1984</u> GL
Co. Rep / Geo. <u>Bill Hamilton</u>	Cont. <u>Duke #5</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>25</u>	Twp. <u>28S</u>	Rge. <u>14W</u> Co. <u>Pratt</u> State <u>KS</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) _____	Turnkey (Y, N) <u>Y</u> Evaluation (Y, N) _____

Interval Tested <u>4440 - 4490</u>	Initial Str Wt/Lbs. <u>22,000</u>	Unseated Str Wt/Lbs. <u>80,000</u>
Anchor Length <u>50'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>80,000</u>
Top Packer Depth <u>4435'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4440 to 4490</u>	Hole Size — <u>7 7/8"</u>	<input checked="" type="checkbox"/> Rubber Size — <u>6 3/4"</u>
Total Depth <u>4640'</u>	Wt. Pipe Run _____	Drill Collar Run <u>486' KH</u>
Mud Wt. <u>9.3</u> LCM <u>0</u> Vis. <u>54</u> WL <u>13.1</u>	Drill Pipe Size <u>4 1/2 KH</u>	Ft. Run <u>4131'</u>

Blow Description IF:  
FF: Packer Failure

Recovery — Total Feet <u>1400'</u>	GIP _____	Ft. in DC <u>486'</u>	Ft. in DP <u>914'</u>
Rec. <u>1400'</u> Feet Of <u>Drilling Mud</u>	%gas _____	%oil _____	%water _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____

BHT \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud	<u>2327</u> PSI	Recorder No. <u>2350</u>	T-Started <u>14:35</u>
(B) First Initial Flow Pressure	PSI	(depth) <u>4451</u>	T-Open <u>16:49</u>
(C) First Final Flow Pressure	PSI	Recorder No. <u>10991</u>	T-Pulled <u>16:58</u>
(D) Initial Shut-in Pressure	PSI	(depth) <u>4483</u>	T-Out _____
(E) Second Initial Flow Pressure	PSI	Recorder No. <u>13849</u>	
(F) Second Final Flow Pressure	PSI	(depth) _____	
(G) Final Shut-in Pressure	PSI	Initial Opening <u>(5)</u>	Test <input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud	<u>2291</u> PSI	Initial Shut-in _____	Jars <input checked="" type="checkbox"/>
<u>AK-1</u>	<u>ALP/AR</u>	Final Flow _____	Safety Joint <input checked="" type="checkbox"/>
		Final Shut-in _____	Straddle <input checked="" type="checkbox"/>
			Circ. Sub _____
			Sampler _____
			Extra Packer _____
			Elect. Rec. <input checked="" type="checkbox"/>

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.

TRILOBITE TESTING L.L.C.

OPERATOR : G.L.B  
 WELL NAME: Ladora  
 LOCATION : 25-28s-14w  
 INTERVAL : 4444.00 To 4490.00 ft

DATE 04/20/98  
 KB 1995.00 ft  
 GR 1984.00 ft  
 TD 4640.00 ft

TICKET NO: 10784  
 FORMATION: Viola  
 TEST TYPE: CONVENTIONAL/STRADD

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10991	10991	2350			PF Fr. 2231 to 2246 hr
SI 30 Range(Psi )	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 2246 to 2316 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 2316 to 0016 hr
FS 240 Depth(ft )	4482.0	4482.0	4457.0	0.0	0.0	FS Fr. 0016 to 0416 hr

	Field	1	2	3	4	
A. Init Hydro	2366.0	2340.0	2322.0	0.0	0.0	T STARTED 1947 hr
B. First Flow	64.0	54.0	79.0	0.0	0.0	T ON BOTM 2228 hr
B1. Final Flow	53.0	54.0	76.0	0.0	0.0	T OPEN 2231 hr
C. In Shut-in	372.0	378.0	432.0	0.0	0.0	T PULLED 0416 hr
D. Init Flow	85.0	85.0	80.0	0.0	0.0	T OUT 0700 hr
E. Final Flow	96.0	109.0	134.0	0.0	0.0	
F. Fl Shut-in	553.0	464.0	580.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2229.0	2227.0	2110.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 22000.00 lbs

RECOVERY

Tot Fluid 210.00 ft of 210.00 ft in DC and 0.00 ft in DP  
 100.00 ft of Slight gas cut mud 2%gas 98%mud  
 110.00 ft of Gas cut mud 10%gas 90%mud  
 1060.00 ft of Gas in pipe  
 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:  
 Strong blow bottom of bucket in 6 mins.  
 Initial Shtu-in:  
 Bled down for 3 mins.Weak blow back

Final Flow:  
 Strong blow bottom of bucket in 3 mins  
 Final Shut-in:  
 Bled down for 3 misns. no blow back

SAMPLES:  
 SENT TO:

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	54.00 S/L
W.L.	13.10 in3
F.C.	0.23 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren Amerine
Co. Rep.	Bill Hamilton
Contr.	Duke
Rig #	5
Unit #	none
Pump T.	n

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL/STRADD

WELL NAME: Ladora

LOCATION : 25-28s-14w

TICKET No. 10784 D.S.T. No. 3 DATE 04/20/98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 30

INTERVAL TOOL .....

TOTAL PACKERS AND ANCHOR ..... 40

TOTAL TOOL ..... 70

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STANDS Single Total

D.P. ANCHOR STANDS 2 Single 1 Total 155

TOTAL ASSEMBLY ..... 225

D.C. ABOVE TOOLS STANDS 8 Single Total 486

D.P. ABOVE TOOLS STANDS 63 Single 1 Total 3946

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4657

TOTAL DEPTH ..... 4640

TOTAL DRILL PIPE ABOVE K.B. .... 17

REMARKS:

P.O. SUB TOP OF TOOL @	4417
C.O. SUB	4418
S.I. TOOL	4423
HMV	4428
JARS	4433
SAFETY JOINT	4435
PACKER	4437
PACKER	4444
DEPTH	
STUBB 1' stubb to	4445
ANCHOR	
6' of perms. to	4451
Alpine rec @	4457
30' of drillpipe to	4481
	4481
	4481
ak-1 rec. @	4482
9' of perms. to	4490
T.C.	
DEPTH	
PACKER	4490
20' of perms. to	4510
125' of drillpipe	4635
	4635
Ak-1 rec. @	4637
BULLNOSE 5' bullnose to	4640
T.D.	

# TEST HISTORY

Tk#10784 DST#3 Laqдора #1 G.L.B Exploration.

Flag Points

t(Min.) P(PSig)

R:	0.00	2321.69
B:	0.00	78.63
C:	15.00	75.53
D:	30.00	431.55
E:	0.00	79.81
F:	59.00	134.28
G:	242.00	579.67
Q:	0.00	2109.77

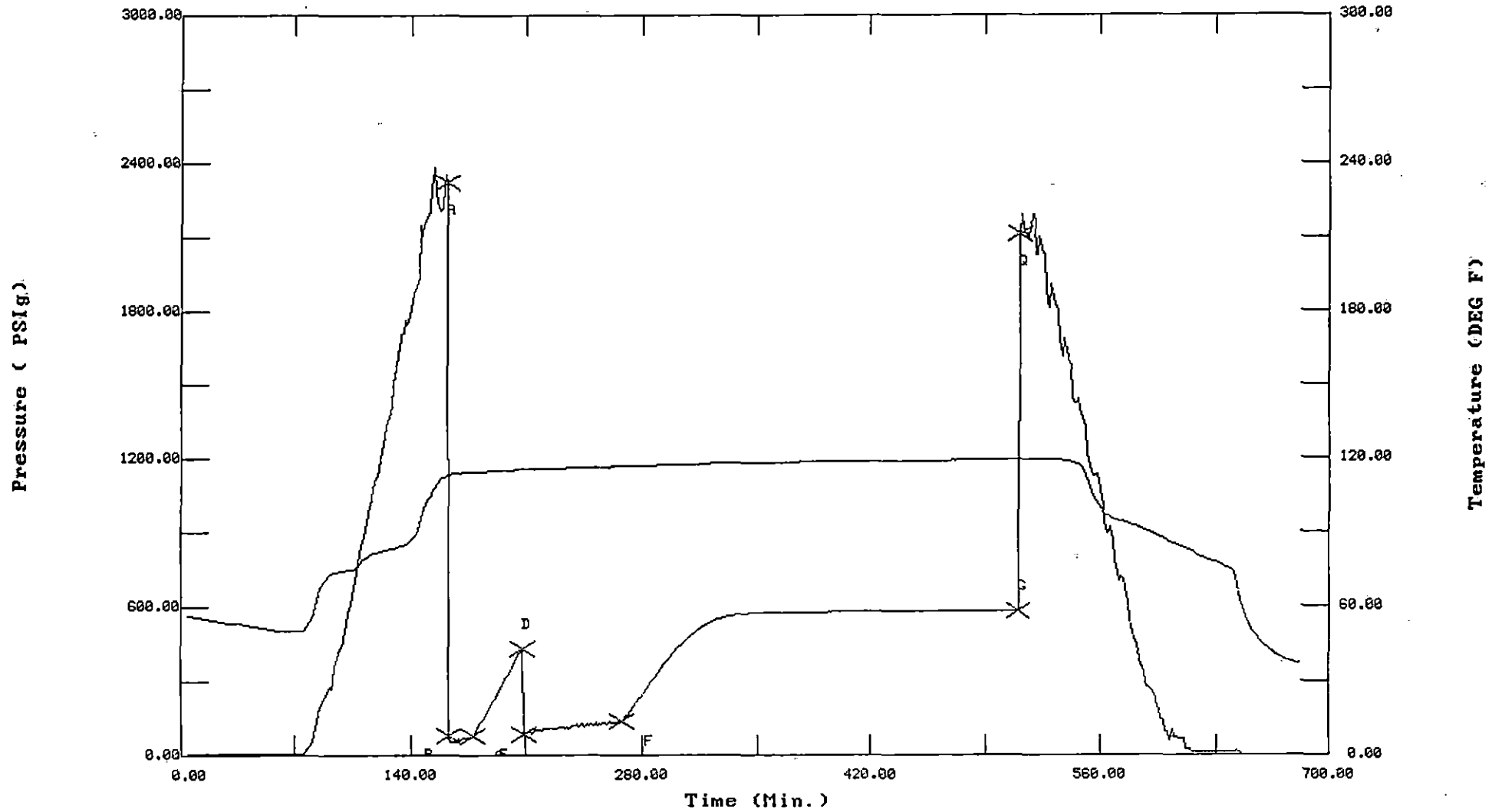
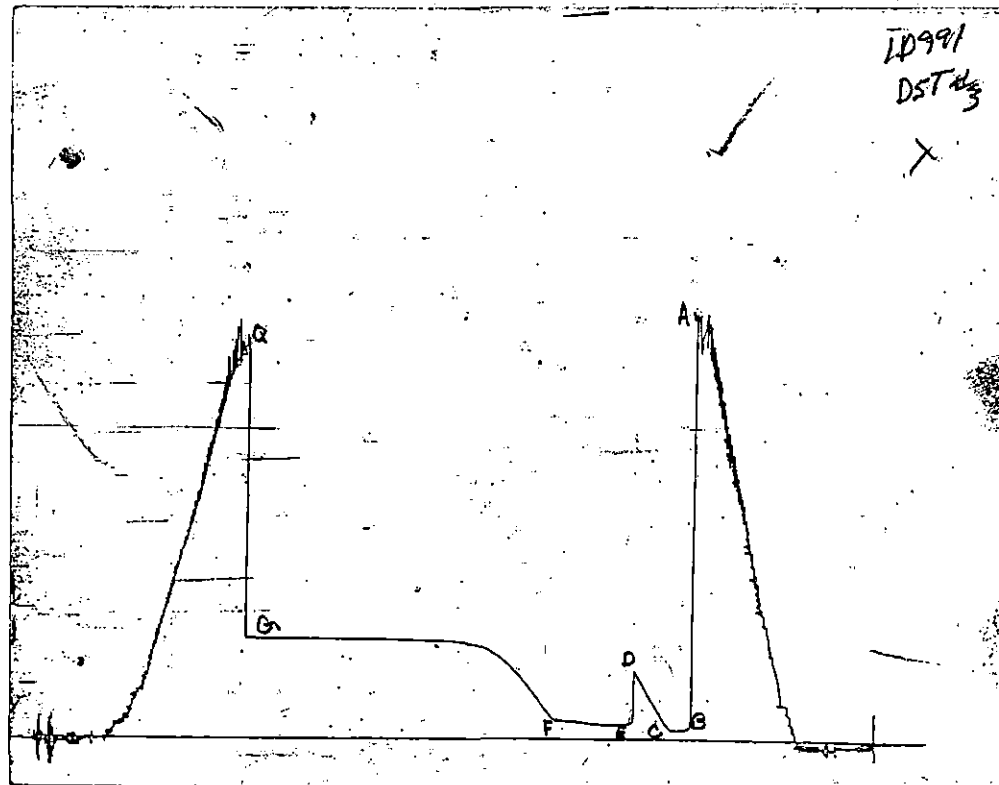
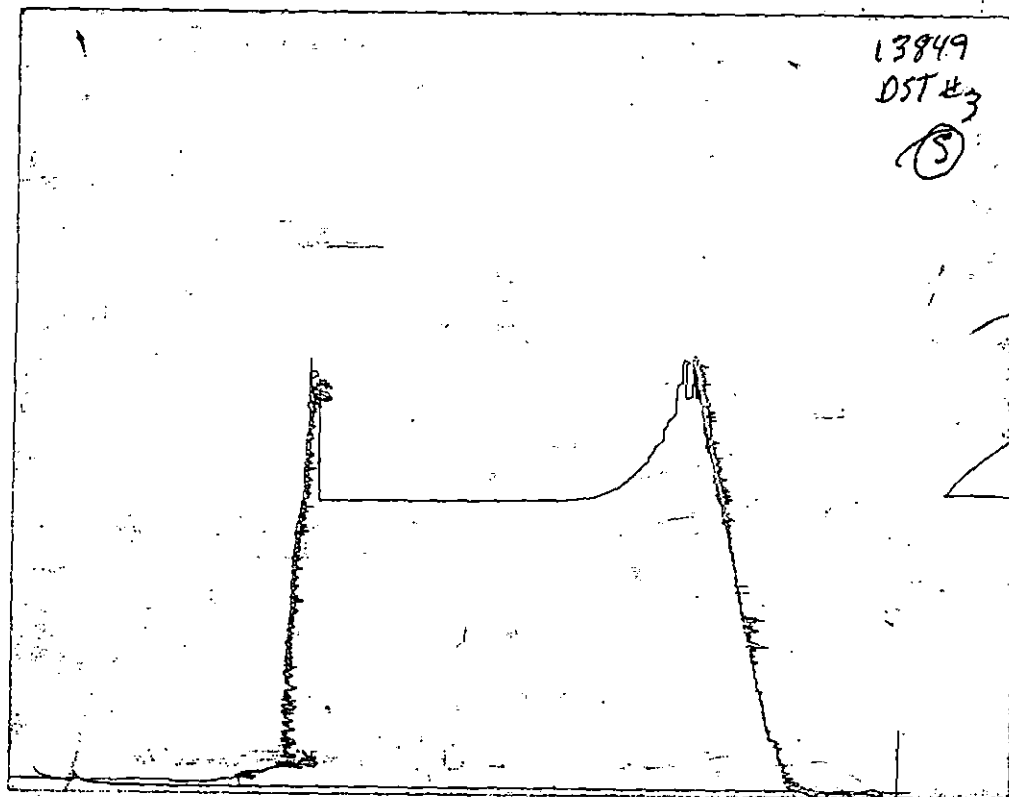


CHART PAGE



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

CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Lagdora #1 G.L.B Exploration.

DATE: 04/20/98 TIME: 19:48:54

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	162.00	2321.7	0.0	113.02		
***** Start Flow 1	0.00	78.6	0.0	113.34		
	1.00	50.9	-27.8	113.60		
	2.00	53.8	-24.8	113.79		
	3.00	53.5	-25.1	113.93		
	4.00	54.1	-24.5	114.03		
	5.00	58.7	-19.9	114.09		
	6.00	61.2	-17.5	114.15		
	7.00	58.7	-20.0	114.20		
	8.00	64.0	-14.6	114.24		
	9.00	67.6	-11.1	114.28		
	10.00	70.2	-8.4	114.30		
	11.00	66.5	-12.1	114.35		
	12.00	70.7	-8.0	114.38		
	13.00	70.9	-7.7	114.42		
	14.00	71.0	-7.6	114.45		
***** End Flow 1	15.00	75.5	-3.1	114.48		
***** Start Shutin 1	0.00	75.5	0.0	114.48	0.0000	0.006
	1.00	88.5	12.9	114.53	16.0000	0.008
	2.00	101.0	25.5	114.55	8.5000	0.010
	3.00	112.7	37.2	114.59	6.0000	0.013
	4.00	123.4	47.9	114.64	4.7500	0.015
	5.00	133.7	58.2	114.66	4.0000	0.018
	6.00	144.5	69.0	114.71	3.5000	0.021
	7.00	155.5	80.0	114.74	3.1429	0.024
	8.00	167.2	91.6	114.79	2.8750	0.028
	9.00	179.1	103.6	114.82	2.6667	0.032
	10.00	190.9	115.4	114.86	2.5000	0.036
	11.00	202.5	127.0	114.91	2.3636	0.041
	12.00	214.1	138.6	114.94	2.2500	0.046
	13.00	225.1	149.6	114.98	2.1538	0.051
	14.00	237.0	161.5	115.01	2.0714	0.056
	15.00	249.1	173.6	115.06	2.0000	0.062
	16.00	261.3	185.8	115.09	1.9375	0.068
	17.00	272.7	197.1	115.13	1.8824	0.074
	18.00	285.1	209.6	115.17	1.8333	0.081
	19.00	297.1	221.6	115.20	1.7895	0.088
	20.00	308.7	233.2	115.23	1.7500	0.095
	21.00	321.0	245.5	115.27	1.7143	0.103
	22.00	333.4	257.8	115.30	1.6818	0.111
	23.00	346.0	270.5	115.33	1.6522	0.120
	24.00	358.9	283.3	115.37	1.6250	0.129
	25.00	371.5	295.9	115.40	1.6000	0.138
	26.00	384.1	308.6	115.42	1.5769	0.148
	27.00	396.2	320.7	115.46	1.5556	0.157
	28.00	407.9	332.4	115.49	1.5357	0.166
	29.00	419.9	344.4	115.51	1.5172	0.176
***** End Shut-in 1	30.00	431.5	356.0	115.54	1.5000	0.186
***** Start Flow 2	0.00	79.8	0.0	115.55		
	1.00	90.4	10.6	115.57		
	2.00	87.3	7.5	115.58		



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Laqдора #1 G.L.B Exploration.

DATE: 04/20/98

TIME: 19:48:54

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
3.00	91.6	11.7	115.59		
4.00	97.8	18.0	115.60		
5.00	84.3	4.4	115.63		
6.00	92.7	12.9	115.63		
7.00	98.9	19.1	115.65		
8.00	98.2	18.4	115.66		
9.00	102.6	22.7	115.68		
10.00	97.7	17.9	115.70		
11.00	96.2	16.4	115.71		
12.00	103.7	23.9	115.73		
13.00	104.6	24.8	115.75		
14.00	106.1	26.3	115.77		
15.00	106.2	26.4	115.79		
16.00	105.3	25.5	115.81		
17.00	104.6	24.8	115.83		
18.00	108.4	28.6	115.85		
19.00	107.0	27.2	115.87		
20.00	108.6	28.8	115.90		
21.00	108.6	28.8	115.92		
22.00	111.4	31.6	115.95		
23.00	110.7	30.9	115.97		
24.00	110.4	30.5	115.99		
25.00	105.1	25.3	116.01		
26.00	112.3	32.5	116.03		
27.00	105.2	25.3	116.06		
28.00	108.0	28.2	116.08		
29.00	114.3	34.5	116.10		
30.00	118.6	38.8	116.12		
31.00	118.5	38.7	116.15		
32.00	121.6	41.8	116.17		
33.00	110.9	31.1	116.19		
34.00	118.3	38.5	116.21		
35.00	120.8	41.0	116.24		
36.00	121.6	41.8	116.26		
37.00	114.6	34.8	116.28		
38.00	121.7	41.9	116.31		
39.00	118.2	38.4	116.33		
40.00	123.4	43.6	116.35		
41.00	126.5	46.7	116.36		
42.00	120.2	40.4	116.39		
43.00	124.8	45.0	116.41		
44.00	128.9	49.1	116.44		
45.00	117.1	37.3	116.45		
46.00	124.1	44.3	116.47		
47.00	127.6	47.8	116.49		
48.00	127.4	47.6	116.52		
49.00	130.5	50.7	116.54		
50.00	125.0	45.2	116.56		
51.00	129.6	49.8	116.58		
52.00	133.8	54.0	116.60		
53.00	131.9	52.1	116.62		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Lagdora #1 G.L.B Exploration.

DATE: 04/20/98

TIME: 19:48:54

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	54.00	132.3	52.5	116.64		
	55.00	128.9	49.1	116.66		
	56.00	128.1	48.3	116.68		
	57.00	132.8	53.0	116.70		
	58.00	136.2	56.4	116.72		
***** End Flow 2	59.00	134.3	54.5	116.74		
***** Start Shutin 2	0.00	134.3	0.0	116.74	0.0000	0.018
	1.00	143.2	8.9	116.77	75.0000	0.020
	2.00	152.2	18.0	116.79	38.0000	0.023
	3.00	161.0	26.7	116.81	25.6667	0.026
	4.00	169.6	35.3	116.83	19.5000	0.029
	5.00	178.3	44.0	116.86	15.8000	0.032
	6.00	187.2	53.0	116.88	13.3333	0.035
	7.00	196.4	62.1	116.90	11.5714	0.039
	8.00	205.4	71.2	116.92	10.2500	0.042
	9.00	214.3	80.0	116.95	9.2222	0.046
	10.00	223.5	89.2	116.98	8.4000	0.050
	11.00	233.0	98.7	117.00	7.7273	0.054
	12.00	242.2	107.9	117.01	7.1667	0.059
	13.00	251.2	116.9	117.04	6.6923	0.063
	14.00	260.8	126.5	117.05	6.2857	0.068
	15.00	270.3	136.0	117.07	5.9333	0.073
	16.00	279.8	145.5	117.11	5.6250	0.078
	17.00	289.0	154.8	117.13	5.3529	0.084
	18.00	298.2	163.9	117.16	5.1111	0.089
	19.00	307.3	173.1	117.17	4.8947	0.094
	20.00	316.5	182.2	117.20	4.7000	0.100
	21.00	325.5	191.3	117.22	4.5238	0.106
	22.00	334.7	200.4	117.24	4.3636	0.112
	23.00	343.9	209.7	117.27	4.2174	0.118
	24.00	352.9	218.6	117.29	4.0833	0.125
	25.00	361.8	227.5	117.30	3.9600	0.131
	26.00	370.7	236.4	117.33	3.8462	0.137
	27.00	379.3	245.0	117.35	3.7407	0.144
	28.00	387.7	253.5	117.36	3.6429	0.150
	29.00	396.1	261.9	117.39	3.5517	0.157
	30.00	404.3	270.0	117.41	3.4667	0.163
	31.00	412.3	278.1	117.44	3.3871	0.170
	32.00	419.9	285.6	117.45	3.3125	0.176
	33.00	427.4	293.2	117.47	3.2424	0.183
	34.00	434.7	300.4	117.49	3.1765	0.189
	35.00	441.7	307.4	117.51	3.1143	0.195
	36.00	448.7	314.4	117.52	3.0556	0.201
	37.00	455.3	321.0	117.55	3.0000	0.207
	38.00	461.9	327.7	117.56	2.9474	0.213
	39.00	468.2	333.9	117.58	2.8974	0.219
	40.00	474.1	339.8	117.60	2.8500	0.225
	41.00	480.1	345.8	117.62	2.8049	0.230
	42.00	485.7	351.4	117.64	2.7619	0.236
	43.00	490.7	356.4	117.66	2.7209	0.241
	44.00	495.7	361.4	117.67	2.6818	0.246

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Laqdora #1 G.L.B Exploration.

DATE: 04/20/98

TIME: 19:48:54

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
45.00	500.6	366.3	117.69	2.6444	0.251
46.00	505.4	371.1	117.70	2.6087	0.255
47.00	510.0	375.7	117.72	2.5745	0.260
48.00	514.6	380.3	117.74	2.5417	0.265
49.00	518.7	384.5	117.75	2.5102	0.269
50.00	522.9	388.6	117.76	2.4800	0.273
51.00	526.7	392.4	117.78	2.4510	0.277
52.00	530.3	396.1	117.80	2.4231	0.281
53.00	533.6	399.3	117.82	2.3962	0.285
54.00	536.9	402.6	117.83	2.3704	0.288
55.00	540.1	405.8	117.84	2.3455	0.292
56.00	542.8	408.6	117.85	2.3214	0.295
57.00	545.4	411.2	117.86	2.2982	0.298
58.00	548.0	413.7	117.89	2.2759	0.300
59.00	550.3	416.0	117.90	2.2542	0.303
60.00	552.6	418.3	117.91	2.2333	0.305
61.00	554.5	420.2	117.93	2.2131	0.307
62.00	556.4	422.2	117.94	2.1935	0.310
63.00	558.1	423.8	117.95	2.1746	0.311
64.00	559.6	425.3	117.97	2.1562	0.313
65.00	561.2	426.9	117.97	2.1385	0.315
66.00	562.5	428.2	117.99	2.1212	0.316
67.00	563.7	429.4	118.00	2.1045	0.318
68.00	564.8	430.5	118.02	2.0882	0.319
69.00	565.7	431.5	118.03	2.0725	0.320
70.00	566.8	432.6	118.04	2.0571	0.321
71.00	567.7	433.4	118.06	2.0423	0.322
72.00	568.4	434.1	118.06	2.0278	0.323
73.00	569.1	434.8	118.07	2.0137	0.324
74.00	569.8	435.5	118.09	2.0000	0.325
75.00	570.4	436.1	118.10	1.9867	0.325
76.00	570.9	436.6	118.10	1.9737	0.326
77.00	571.4	437.1	118.11	1.9610	0.326
78.00	571.8	437.5	118.13	1.9487	0.327
79.00	572.1	437.9	118.14	1.9367	0.327
80.00	572.5	438.2	118.16	1.9250	0.328
81.00	572.8	438.5	118.17	1.9136	0.328
82.00	573.2	438.9	118.18	1.9024	0.329
83.00	573.4	439.1	118.18	1.8916	0.329
84.00	573.6	439.3	118.19	1.8810	0.329
85.00	573.8	439.5	118.20	1.8706	0.329
86.00	574.1	439.8	118.22	1.8605	0.330
87.00	574.2	439.9	118.23	1.8506	0.330
88.00	574.3	440.0	118.24	1.8409	0.330
89.00	574.6	440.3	118.25	1.8315	0.330
90.00	574.7	440.5	118.27	1.8222	0.330
91.00	574.9	440.6	118.26	1.8132	0.331
92.00	575.0	440.7	118.29	1.8043	0.331
93.00	575.1	440.9	118.29	1.7957	0.331
94.00	575.3	441.0	118.29	1.7872	0.331
95.00	575.5	441.2	118.30	1.7789	0.331

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Lagdora #1 G.L.B Exploration.

DATE: 04/20/98

TIME: 19:48:54

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
96.00	575.6	441.3	118.31	1.7708	0.331
97.00	575.6	441.3	118.33	1.7629	0.331
98.00	575.7	441.5	118.34	1.7551	0.331
99.00	575.8	441.5	118.34	1.7475	0.332
100.00	575.9	441.6	118.35	1.7400	0.332
101.00	576.1	441.8	118.36	1.7327	0.332
102.00	576.1	441.8	118.37	1.7255	0.332
103.00	576.2	441.9	118.38	1.7184	0.332
104.00	576.3	442.0	118.39	1.7115	0.332
105.00	576.3	442.0	118.40	1.7048	0.332
106.00	576.4	442.1	118.41	1.6981	0.332
107.00	576.5	442.2	118.42	1.6916	0.332
108.00	576.6	442.3	118.43	1.6852	0.332
109.00	576.6	442.4	118.45	1.6789	0.333
110.00	576.6	442.4	118.44	1.6727	0.333
111.00	576.6	442.4	118.45	1.6667	0.333
112.00	576.9	442.6	118.45	1.6607	0.333
113.00	576.9	442.6	118.46	1.6549	0.333
114.00	576.8	442.5	118.47	1.6491	0.333
115.00	577.0	442.7	118.47	1.6435	0.333
116.00	577.1	442.8	118.49	1.6379	0.333
117.00	577.1	442.8	118.49	1.6325	0.333
118.00	577.1	442.9	118.50	1.6271	0.333
119.00	577.1	442.9	118.52	1.6218	0.333
120.00	577.2	443.0	118.52	1.6167	0.333
121.00	577.2	443.0	118.52	1.6116	0.333
122.00	577.3	443.0	118.54	1.6066	0.333
123.00	577.3	443.0	118.54	1.6016	0.333
124.00	577.2	443.0	118.55	1.5968	0.333
125.00	577.2	443.0	118.55	1.5920	0.333
126.00	577.4	443.1	118.56	1.5873	0.333
127.00	577.3	443.1	118.58	1.5827	0.333
128.00	577.6	443.3	118.58	1.5781	0.334
129.00	577.6	443.3	118.59	1.5736	0.334
130.00	577.6	443.3	118.59	1.5692	0.334
131.00	577.6	443.3	118.61	1.5649	0.334
132.00	577.6	443.3	118.61	1.5606	0.334
133.00	577.7	443.5	118.62	1.5564	0.334
134.00	577.7	443.5	118.63	1.5522	0.334
135.00	577.7	443.5	118.63	1.5481	0.334
136.00	577.7	443.4	118.64	1.5441	0.334
137.00	577.8	443.5	118.64	1.5401	0.334
138.00	577.8	443.5	118.64	1.5362	0.334
139.00	577.8	443.5	118.66	1.5324	0.334
140.00	577.8	443.5	118.66	1.5286	0.334
141.00	577.9	443.6	118.67	1.5248	0.334
142.00	577.9	443.6	118.67	1.5211	0.334
143.00	577.9	443.6	118.68	1.5175	0.334
144.00	578.0	443.7	118.68	1.5139	0.334
145.00	578.0	443.7	118.69	1.5103	0.334
146.00	578.0	443.7	118.70	1.5068	0.334

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Laqдора #1 G.L.B Exploration.

DATE: 04/20/98

TIME: 19:48:54

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
147.00	578.1	443.8	118.71	1.5034	0.334
148.00	578.1	443.8	118.70	1.5000	0.334
149.00	578.1	443.8	118.72	1.4966	0.334
150.00	578.1	443.8	118.72	1.4933	0.334
151.00	578.2	444.0	118.73	1.4901	0.334
152.00	578.2	444.0	118.75	1.4868	0.334
153.00	578.2	444.0	118.74	1.4837	0.334
154.00	578.2	444.0	118.74	1.4805	0.334
155.00	578.2	444.0	118.75	1.4774	0.334
156.00	578.2	444.0	118.76	1.4744	0.334
157.00	578.2	444.0	118.77	1.4713	0.334
158.00	578.2	444.0	118.77	1.4684	0.334
159.00	578.2	444.0	118.78	1.4654	0.334
160.00	578.2	444.0	118.79	1.4625	0.334
161.00	578.4	444.1	118.79	1.4596	0.335
162.00	578.4	444.1	118.79	1.4568	0.335
163.00	578.4	444.1	118.81	1.4540	0.335
164.00	578.4	444.1	118.80	1.4512	0.335
165.00	578.4	444.1	118.81	1.4485	0.335
166.00	578.4	444.1	118.82	1.4458	0.335
167.00	578.4	444.1	118.83	1.4431	0.335
168.00	578.4	444.1	118.83	1.4405	0.335
169.00	578.6	444.3	118.83	1.4379	0.335
170.00	578.6	444.3	118.84	1.4353	0.335
171.00	578.6	444.3	118.85	1.4327	0.335
172.00	578.6	444.3	118.85	1.4302	0.335
173.00	578.7	444.4	118.86	1.4277	0.335
174.00	578.7	444.4	118.87	1.4253	0.335
175.00	578.7	444.5	118.87	1.4229	0.335
176.00	578.7	444.5	118.87	1.4205	0.335
177.00	578.7	444.5	118.88	1.4181	0.335
178.00	578.7	444.4	118.89	1.4157	0.335
179.00	578.8	444.6	118.90	1.4134	0.335
180.00	578.8	444.6	118.90	1.4111	0.335
181.00	578.7	444.5	118.90	1.4088	0.335
182.00	578.7	444.5	118.91	1.4066	0.335
183.00	578.7	444.5	118.92	1.4044	0.335
184.00	578.9	444.6	118.93	1.4022	0.335
185.00	578.9	444.6	118.92	1.4000	0.335
186.00	578.9	444.6	118.93	1.3978	0.335
187.00	578.9	444.6	118.93	1.3957	0.335
188.00	578.9	444.6	118.94	1.3936	0.335
189.00	578.8	444.6	118.95	1.3915	0.335
190.00	578.8	444.6	118.96	1.3895	0.335
191.00	579.0	444.7	118.96	1.3874	0.335
192.00	579.0	444.7	118.97	1.3854	0.335
193.00	579.0	444.7	118.97	1.3834	0.335
194.00	579.1	444.8	118.98	1.3814	0.335
195.00	579.1	444.8	118.98	1.3795	0.335
196.00	579.1	444.8	118.99	1.3776	0.335
197.00	579.2	444.9	119.00	1.3756	0.335

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Tk#10784 DST#3 Laqora #1 G.L.B Exploration.

DATE: 04/20/98

TIME: 19:48:54

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	198.00	579.2	444.9	119.00	1.3737	0.335
	199.00	579.1	444.8	119.00	1.3719	0.335
	200.00	579.3	445.0	119.01	1.3700	0.336
	201.00	579.2	444.9	119.02	1.3682	0.335
	202.00	579.3	445.1	119.02	1.3663	0.336
	203.00	579.3	445.1	119.02	1.3645	0.336
	204.00	579.3	445.1	119.03	1.3627	0.336
	205.00	579.3	445.1	119.04	1.3610	0.336
	206.00	579.2	445.0	119.04	1.3592	0.336
	207.00	579.2	445.0	119.04	1.3575	0.336
	208.00	579.2	445.0	119.03	1.3558	0.336
	209.00	579.5	445.2	119.05	1.3541	0.336
	210.00	579.3	445.1	119.05	1.3524	0.336
	211.00	579.4	445.2	119.05	1.3507	0.336
	212.00	579.3	445.0	119.07	1.3491	0.336
	213.00	579.3	445.0	119.06	1.3474	0.336
	214.00	579.4	445.1	119.08	1.3458	0.336
	215.00	579.4	445.1	119.08	1.3442	0.336
	216.00	579.4	445.1	119.08	1.3426	0.336
	217.00	579.4	445.1	119.09	1.3410	0.336
	218.00	579.4	445.1	119.10	1.3394	0.336
	219.00	579.5	445.2	119.10	1.3379	0.336
	220.00	579.5	445.2	119.09	1.3364	0.336
	221.00	579.5	445.2	119.11	1.3348	0.336
	222.00	579.6	445.3	119.11	1.3333	0.336
	223.00	579.6	445.3	119.12	1.3318	0.336
	224.00	579.4	445.1	119.12	1.3304	0.336
	225.00	579.4	445.1	119.12	1.3289	0.336
	226.00	579.5	445.2	119.13	1.3274	0.336
	227.00	579.6	445.3	119.14	1.3260	0.336
	228.00	579.6	445.3	119.14	1.3246	0.336
	229.00	579.6	445.3	119.14	1.3231	0.336
	230.00	579.6	445.3	119.16	1.3217	0.336
	231.00	579.4	445.2	119.16	1.3203	0.336
	232.00	579.7	445.4	119.17	1.3190	0.336
	233.00	579.7	445.4	119.17	1.3176	0.336
	234.00	579.7	445.4	119.17	1.3162	0.336
	235.00	579.7	445.5	119.18	1.3149	0.336
	236.00	579.6	445.3	119.19	1.3136	0.336
	237.00	579.6	445.3	119.18	1.3122	0.336
	238.00	579.6	445.3	119.18	1.3109	0.336
	239.00	579.6	445.3	119.20	1.3096	0.336
	240.00	579.7	445.4	119.19	1.3083	0.336
	241.00	579.7	445.4	119.21	1.3071	0.336
***** End Shut-in 2	242.00	579.7	445.4	119.21	1.3058	0.336
***** Final Hydro.	511.00	2109.8	0.0	119.23		

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 10784

Well Name & No. Ladora #1 Test No. #3 Date 4/20/98  
 Company B.L.B Exploration Zone Tested Viola  
 Address 200 N. Harvey Suite 800 Oklahoma City OK Elevation 1995 KB 1984 GL  
 Co. Rep / Geo. Bill Hamilton Cont. Duke #5 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 25 Twp. 28S Rge. 14W Co. Platt State KS  
 No. of Copies 5 Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) Y Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4444' - 4490' Initial Str Wt./Lbs. 72,000 Unseated Str Wt./Lbs. 76,000  
 Anchor Length 46' 150' tail pipe Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 82,000  
 Top Packer Depth 4439' Tool Weight 2100  
 Bottom Packer Depth 4444' & 4490' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 4640' Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 486 xH  
 Mud Wt. 9.3 LCM Q# Vis. 54 WL 13.1 Drill Pipe Size 4 1/2 xH Ft. Run 4131'

Blow Description IF: Strong blow. B.O.B in mins.  
ISL: Bleed down for 3 mins. B.O. to Next Surface Flow.  
FF: Strong blow. B.O.B in 3 mins.  
FST: Bleed down for 3 mins. No. bb

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>210'</u>	<u>1060'</u>	<u>210</u>	
Rec. <u>100'</u> Feet Of _____		<u>2</u> %gas	%oil %water <u>98</u> %mud
Rec. <u>110</u> Feet Of _____		<u>40</u> %gas	%oil %water <u>90</u> %mud
Rec. _____ Feet Of _____		%gas	%oil %water %mud
Rec. _____ Feet Of _____		%gas	%oil %water %mud
Rec. _____ Feet Of _____		%gas	%oil %water %mud

BHT 119<sup>a</sup> °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 5600 ppm System

(A) Initial Hydrostatic Mud	<u>2366</u>   <u>2322</u> PSI	Recorder No. <u>2350</u>	<u>(7)</u> T-Started <u>19:47</u>
(B) First Initial Flow Pressure	<u>64</u>   <u>79</u> PSI	(depth) <u>4457'</u>	T-Open <u>22:31</u>
(C) First Final Flow Pressure	<u>53</u>   <u>76</u> PSI	Recorder No. <u>10991</u>	<u>(0)</u> T-Pulled <u>04:16</u>
(D) Initial Shut-in Pressure	<u>372</u>   <u>432</u> PSI	(depth) <u>4482'</u>	T-Out <u>07:00</u>
(E) Second Initial Flow Pressure	<u>85</u>   <u>80</u> PSI	Recorder No. <u>13849</u>	<u>(5)</u>
(F) Second Final Flow Pressure	<u>96</u>   <u>134</u> PSI	(depth) <u>4637'</u>	
(G) Final Shut-in Pressure	<u>553</u>   <u>580</u> PSI	Initial Opening <u>15</u>	Test <input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud	<u>2229</u>   <u>2110</u> PSI	Initial Shut-in <u>30</u>	Jars <input checked="" type="checkbox"/>
	<u>DK+1</u>   <u>Alpine</u>	Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/>
		Final Shut-in <u>240</u>	Straddle <input checked="" type="checkbox"/>

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 Larry Rogers

Extra Packer: \_\_\_\_\_  
 Elect. Rec.   
 Other Shale Packer