

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name UHLAND #1 Test No. 1 Date 12/5/93
Company ABERCROMBIE DRILLING INC Zone KS CITY
Address 150 N MAIN #801 WICHITA KS 67202 Elevation 3147
Co. Rep./Geo. MARK GALYON Cont. ABERCROMBIE RIG #8 Est. Ft. of Pay _____
Location: Sec. 25 Twp. 20S Rge. 35W Co. WICHITA State KS

Interval Tested 4228-4247 Drill Pipe Size 4.5" XH
Anchor Length 19 Wt. Pipe I.D. - 2.7 Ft. Run 521
Top Packer Depth 4223-4228 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4247 Mud Wt. 9.2 lb/Gal.
Total Depth 4317 Viscosity 40 Filtrate 12

Tool Open @ 5:01 PM Initial Blow WEAK SURFACE TO NO BLOW IN 11 MINUTES
FLUSHED TOOL-WEAK SURFACE FOR 30 SECONDS-NO BLOW
Final Blow NO BLOW

Recovery - Total Feet 10 Flush Tool? YES

Rec. 10 Feet of OIL STAINED MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 109 °F Gravity _____ °API @ _____ °F Corrected Gravity 4500 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2036.7 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 26.7 PSI @ (depth) 4230 w / Clock No. 7452

(C) First Final Flow Pressure 26.7 PSI AK1 Recorder No. 11057 Range 4500

(D) Initial Shut-in Pressure 859.1 PSI @ (depth) 4240 w / Clock No. 27366

(E) Second Initial Flow Pressure 24.5 PSI AK1 Recorder No. 2023 Range 4000

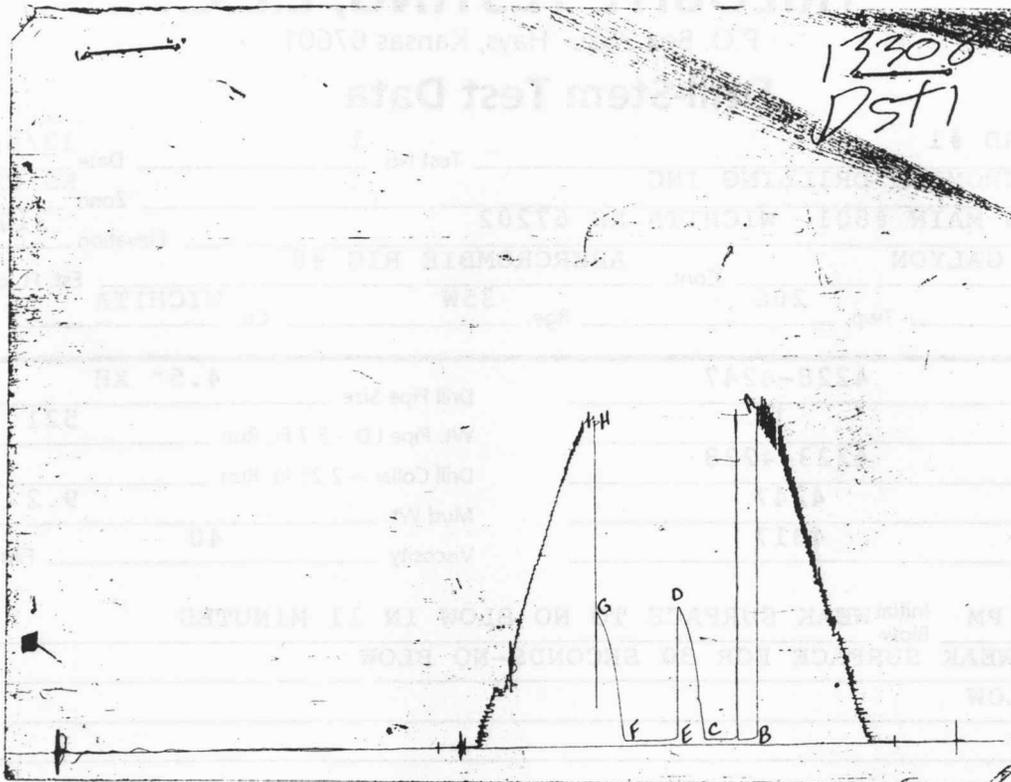
(F) Second Final Flow Pressure 24.5 PSI @ (depth) 4312 w / Clock No. 20272

(G) Final Shut-in Pressure 822.3 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1998.9 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative MARK HERSKOWITZ

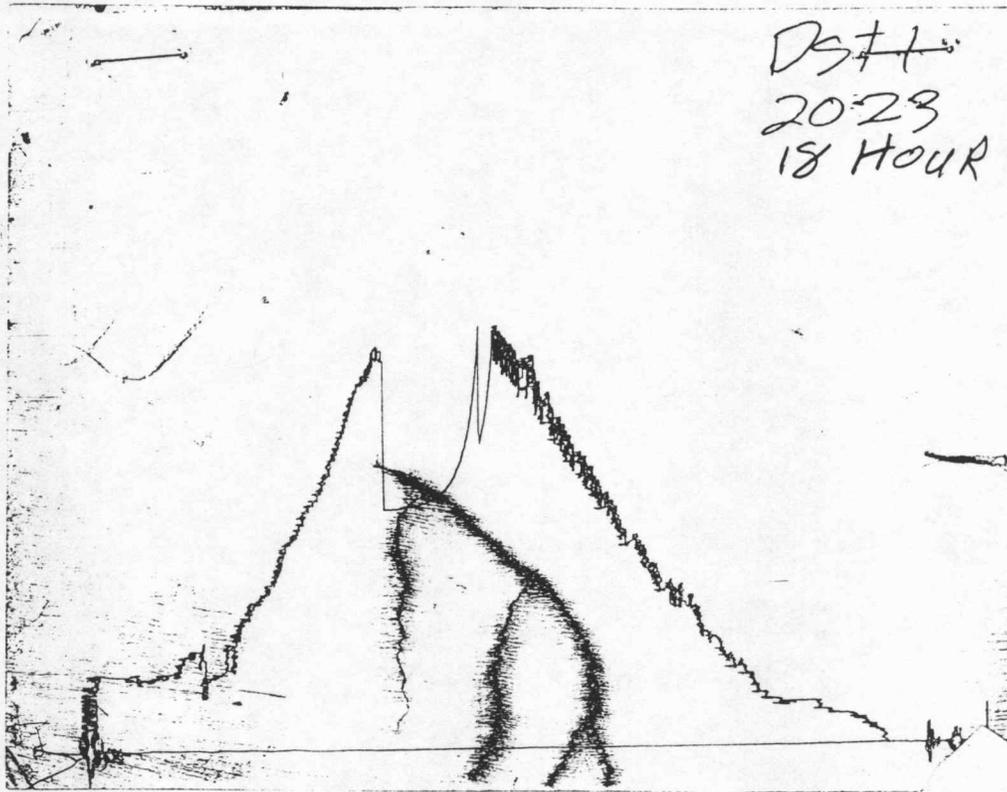
CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2033	2036.7
(B) FIRST INITIAL FLOW PRESSURE	24	26.7
(C) FIRST FINAL FLOW PRESSURE	24	26.7
(D) INITIAL CLOSED-IN PRESSURE	853	859.1
(E) SECOND INITIAL FLOW PRESSURE	24	24.5
(F) SECOND FINAL FLOW PRESSURE	24	24.5
(G) FINAL CLOSED-IN PRESSURE	818	822.3
(H) FINAL HYDROSTATIC MUD	1997	1998.9

CHART PAGE



This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6796

Well Name & No. <u>UHLAND 1st</u>	Test No. <u>1</u>	Date <u>12-5-93</u>
Company <u>ABERCROMBIE DRILLING</u>	Zone Tested <u>KC</u>	
Address <u>150 N. MAIN ST #201 WICHITA</u>	Elevation <u>3147</u>	<u>KO</u>
Co. Rep./Geo. <u>MARK GALYON</u> cont. <u>AAA Rig 8</u>	Est. Ft. of Pay	
Location: Sec. <u>25</u> Twp. <u>30S</u> Rge. <u>35W</u> Co. <u>Wichita</u> State <u>KS</u>		
No. of Copies <u>1</u> Distribution Sheet <u>Yes</u> <u>No</u> Turnkey <u>Yes</u> <u>No</u> Evaluation		

Interval Tested <u>4228-4247</u>	Drill Pipe Size <u>4 1/2 XH</u>
Anchor Length <u>19'</u> <u>TOTAL PIPE</u>	Top Choke - 1" Bottom Choke - 3/4"
Top Packer Depth <u>4223 4228</u>	Hole Size - 7 7/8" Rubber Size - 6 3/4"
Bottom Packer Depth <u>4247</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>521</u>
Total Depth <u>4317</u>	Drill Collar - 2.25 Ft. Run
Mud Wt. <u>9.2</u> <u>LCM</u> - lb/gal. Viscosity <u>40</u> Filtrate <u>17.0</u>	
Tool Open @ <u>5:01 PM</u> Initial Blow <u>WEAK SUR TO NO BLOW IN 11 MIN</u>	
<u>Plus Tool WEAK SUR 30 SEC NO BLOW</u>	
Final Blow <u>NO BLOW</u>	

Recovery - Total Feet <u>10</u>	Feet of Gas in Pipe	Flush Tool? <u>5.16</u>
Rec. <u>10</u> Feet Of <u>0.19 Mud</u>	%gas <u>2%</u> oil <u>0%</u> water <u>98%</u> mud	
Rec. Feet Of	%gas %oil %water %mud	
Rec. Feet Of	%gas %oil %water %mud	
Rec. Feet Of	%gas %oil %water %mud	
Rec. Feet Of	%gas %oil %water %mud	

BHT 109 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 4500 ppm System

- (A) Initial Hydrostatic Mud 2033 PSI AK1 Recorder No. 13308 Range 4700
- (B) First Initial Flow Pressure 24 PSI @ (depth) 4230 w/Clock No. 7452
- (C) First Final Flow Pressure 24 PSI AK1 Recorder No. 11057 Range 4500
- (D) Initial Shut-In Pressure 853 PSI @ (depth) 4240 w/Clock No. 27346
- (E) Second Initial Flow Pressure 24 PSI AK1 Recorder No. 2023 Range 4000
- (F) Second Final Flow Pressure 24 PSI @ (depth) 4312 w/Clock No. 20272 18 HOUR
- (G) Final Shut-In Pressure 818 PSI Initial Opening 30 Test 6000
- (H) Final Hydrostatic Mud 1997 PSI Initial Shut-In 30 Jars

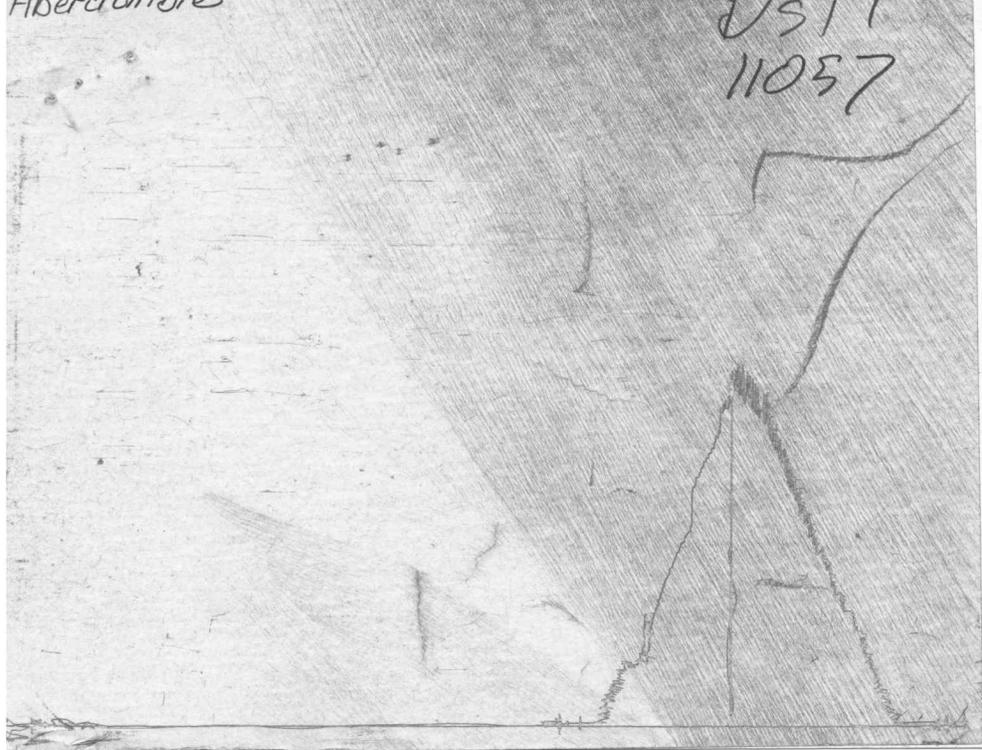
TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS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

Approved By Mark Galyon
Our Representative Mark Galyon

Final Flow 30 Safety Joint
Final Shut-In 30 Straddle 250.00
Circ. Sub NO
Sampler
Extra Packer 150.00
Other
TOTAL PRICE \$ 1000.00

Hiberdomore

1511
11057



TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name UHLAND #1 Test No. 2 Date 12/6/93
Company ABERCROMBIE DRILLING INC Zone MARMATON
Address 150 N MAIN #801 WICHITA KS 67202 Elevation 3147
Co. Rep./Geo. MARK GALYON Cont. ABERCROMBIE RIG #8 Est. Ft. of Pay 15
Location: Sec. 25 Twp. 20S Rge. 35W Co. WICHITA State KS

Interval Tested 4454-4519 Drill Pipe Size 4.5" XH
Anchor Length 65 Wt. Pipe I.D. - 2.7 Ft. Run 583
Top Packer Depth 4449 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4454 Mud Wt. 9.3 lb/Gal.
Total Depth 4519 Viscosity 45 Filtrate 9.6

Tool Open @ 6:22 PM Initial Blow GOOD BLOW OFF BOTTOM IN 2 MINUTES 15 SECONDS

Final Blow GOOD BLOW OFF BOTTOM IN 1 MINUTE 30 SECONDS
GAS TO SURFACE 40 MINUTES INTO FINAL SHUTIN

Recovery - Total Feet 1696 Flush Tool? NO

Rec. 2738 Feet of GAS IN PIPE
Rec. 1255 Feet of CLEAN GASSY OIL-15%GAS/ 85% OIL
Rec. 189 Feet of SLTLY MUD & GAS CUT OIL-10%GAS/75%OIL/15%MUD
Rec. 252 Feet of GSY OIL & WTR CUT MUD-10%GAS/10%OIL/15%WTR/65%MUD
Rec. _____ Feet of _____

BHT 111 °F Gravity 35 °API @ 70 °F Corrected Gravity 34 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 1939.6 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 62.0 PSI @ (depth) 4456 w / Clock No. 7452

(C) First Final Flow Pressure 321.7 PSI AK1 Recorder No. 11057 Range 4500

(D) Initial Shut-in Pressure 1184.4 PSI @ (depth) 4514 w / Clock No. 27566

(E) Second Initial Flow Pressure 388.1 PSI AK1 Recorder No. _____ Range _____

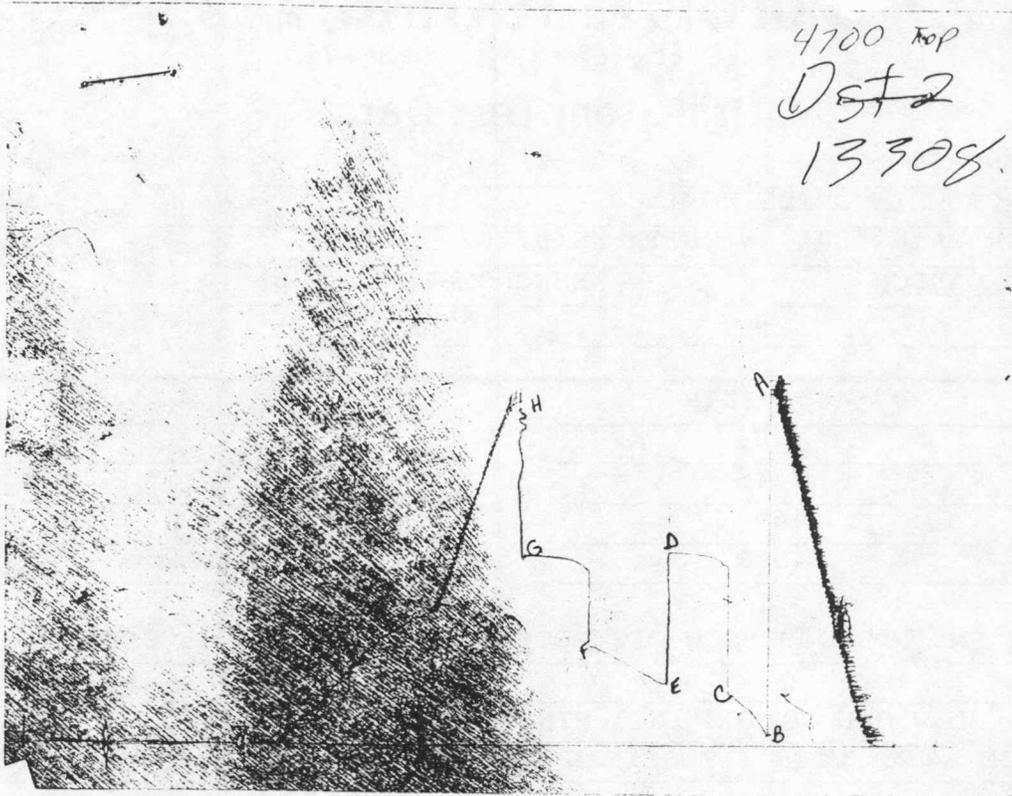
(F) Second Final Flow Pressure 616.7 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1164.5 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 1926.8 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1918	1939.6
(B) FIRST INITIAL FLOW PRESSURE	76	62
(C) FIRST FINAL FLOW PRESSURE	328	321.7
(D) INITIAL CLOSED-IN PRESSURE	1167	1184.4
(E) SECOND INITIAL FLOW PRESSURE	359	388.1
(F) SECOND FINAL FLOW PRESSURE	587	616.7
(G) FINAL CLOSED-IN PRESSURE	1147	1164.5
(H) FINAL HYDROSTATIC MUD	1898	1926.8

COMPUTER OIL EVALUATION BY TRILOBITE TESTING, L.L.C.

ABERCROMBIE DRILLING INC

UHLAND #1 DST 2
 25 20S 35W WICHITA KS

 ELEVATION: 3147 KB EST. PAY 15 FT
 DATUM: -1310 ZONE TESTED: MARMATON
 TEST INTERVAL: 4454-4519 TIME INTERVALS: 30-45-60-45
 RECORDER DEPTH: 4456 VISCOSITY: 8.63 CP
 BOTTOM HOLE TEMP: 111 HOLE SIZE: 7.875 IN

CUBIC FEET OF GAS IN PIPE: 219
 TOTAL FEET OF RECOVERY: 1696.00 CORRECTED PIPE FILLUP: 1666.757
 TOTAL BARRELS OF RECOVERY: 18.68 CORR. BARRELS OF RECOVERY: 18.265 BBL
 BARRELS IN DRILL PIPE: 15.83 API GRAVITY: 34
 BARRELS IN WEIGHT PIPE: 0.00 FLUID GRADIENT: 0.370
 BARRELS IN DRILL COLLARS: 2.85
 GAS OIL RATIO: 11.70 CU.FT/BBL
 BUBBLE POINT PRESSURE: 103
 UNCORRECTED INITIAL PRODUCTION: 298.84 BBL
 INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE: 292.25 BBL/DAY
 INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE: 232.695

INITIAL SLOPE 79.69 PSI/CYCL FINAL SLOPE 81.58 PSI/CYCLE
 INITIAL P* 1202.08 PSI FINAL P* 1201.91 PSI

TRANSMISSIBILITY 582.50 (MD.-FT./CP.)
 PERMEABILITY 335.05 (MD.)
 INDICATED FLOW CAPACITY 5025.72 (MD.FT)
 PRODUCTIVITY INDEX 0.66 (BARREL/DAY/PSI)
 DAMAGE RATIO 1.31
 RADIUS OF INVESTIGATION 173.65 (FT,)
 POTENTIOMETRIC SURFACE 1478.24 (FT.)
 DRAWDOWN FACTOR 0.014 (%)
 THEORETICAL POTENTIAL FROM FINAL FLOW PRESSURE 383.66
 THEORETICAL POTENTIAL FROM PSEUDO STEADY FLOW STATE 305.48

INITIAL FLOW

RECORDER 13308

DST # 2

TIME(MIN)	PRESSURE	<> PRESSURE
0	62.0	62.0
3	112.6	50.6
6	145.1	32.5
9	184.6	39.5
12	214.5	29.9
15	233.6	19.1
18	252.7	19.1
21	270.6	17.9
24	288.4	17.8
27	313.4	25.0
30	321.7	8.3

FINAL FLOW

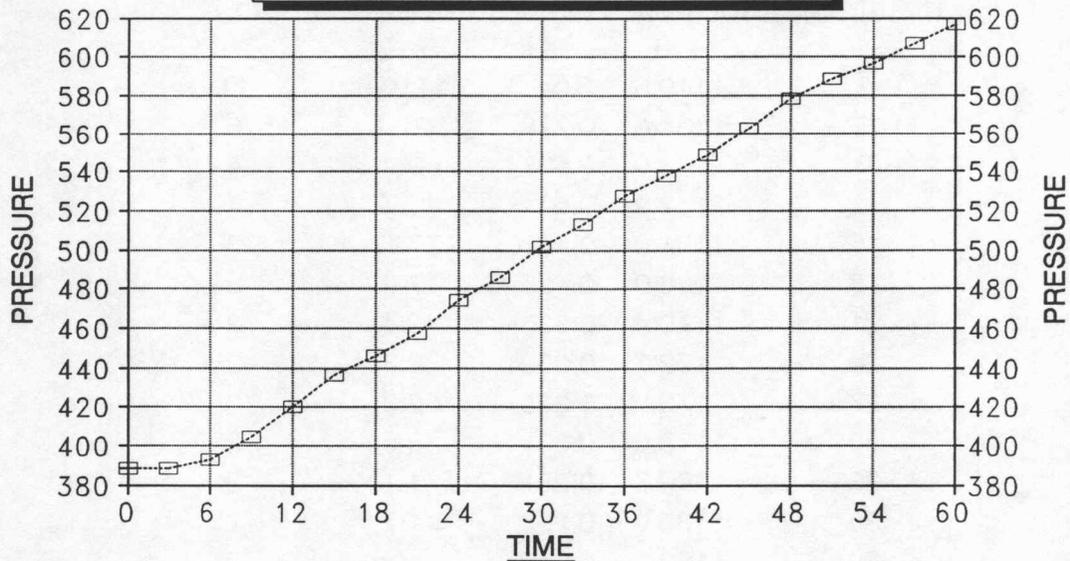
RECORDER 13308

DST # 2

TIME(MIN)	PRESSURE	<> PRESSURE
0	388.1	388.1
3	388.1	0.0
6	392.8	4.7
9	404.6	11.8
12	420.0	15.4
15	436.5	16.5
18	446.0	9.5
21	457.8	11.8
24	474.3	16.5
27	486.1	11.8
30	501.4	15.3
33	513.2	11.8
36	527.4	14.2
39	538.0	10.6
42	548.5	10.5
45	562.7	14.2
48	577.9	15.2
51	588.5	10.6
54	596.7	8.2
57	607.3	10.6
60	616.7	9.4

DELTA T DELTA P

FINAL FLOW / DST #2



---□--- UHLAND #1

INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:

232.695

UHLAND #1
INITIAL

		DST #2	-----		
		SHUTIN			
30	INITIAL FLOW TIME	SLOPE	79.7	PSI/CYCLE	
		P*	1202.08	PSI	

		Log	<>		
TIME(MIN)	Pws (psi)	Horn T	PRESSURE	Horn T	
-----	-----	-----	-----	-----	
3	1110.5	1.041	1110.5	11	
6	1131.6	0.778	21.1	6	
9	1141.0	0.637	9.4	4	
12	1153.9	0.544	12.9	4	
15	1161.0	0.477	7.1	3	
18	1168.0	0.426	7.0	3	
21	1170.4	0.385	2.4	2	
24	1172.7	0.352	2.3	2	
27	1175.0	0.325	2.3	2	
30	1178.6	0.301	3.6	2	
X	33	1179.7	0.281	1.1	2
	36	1180.9	0.263	1.2	2
	39	1182.1	0.248	1.2	2
	42	1183.3	0.234	1.2	2
X	45	1184.4	0.222	1.1	2

UHLAND #1
FINAL

		DST #2	-----		
		SHUTIN			
90	TOTAL FLOW TIME	SLOPE	81.6	PSI/CYCLE	
		P*	1201.9	PSI	

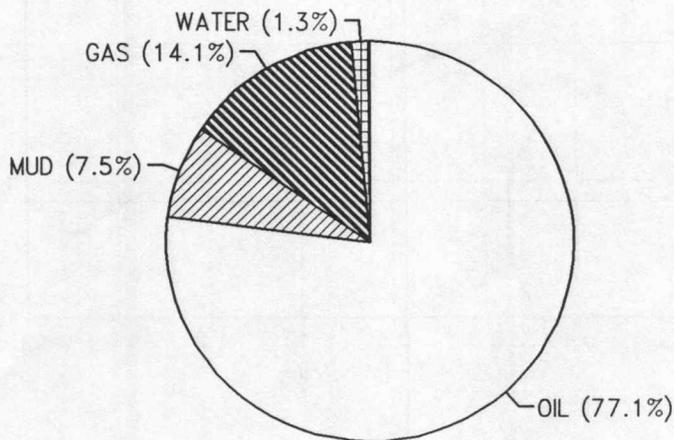
		Log	<>		
		Horn T	PRESSURE	Horn T	
		-----	-----	-----	
	3	1081.1	1.491	1081.1	31
	6	1109.3	1.204	28.2	16
	9	1117.5	1.041	8.2	11
	12	1124.6	0.929	7.1	9
	15	1134.0	0.845	9.4	7
	18	1141.0	0.778	7.0	6
	21	1144.5	0.723	3.5	5
	24	1146.9	0.677	2.4	5
	27	1150.4	0.637	3.5	4
X	30	1152.8	0.602	2.4	4
	33	1155.1	0.571	2.3	4
	36	1157.4	0.544	2.3	4
	39	1159.8	0.520	2.4	3
	42	1162.1	0.497	2.3	3
	45	1163.3	0.477	1.2	3
X	48	1164.5	0.459	1.2	3

CALCULATED RECOVERY ANALYSIS

DST 2 TICKET # 6797

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	1113	15	166.95	85	946.05	0	0	0	0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WEIGHT 1	142	15	21.3	85	120.7	0	0	0	0
PIPE 2	189	10	18.9	75	141.75	0	0	15	28.35
3	252	10	25.2	10	25.2	15	37.8	65	163.8
4			0		0		0		0
DRILL 1			0		0		0		0
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	1696		232.35		1233.7		37.8		192.15

		HRS OPEN	BBL/DAY
BBL OIL=	15.466381	*	1.5 247.4621
BBL WATER=	0.2646	*	4.2336
BBL MUD=	1.49877		
BBL GAS =	2.831829		



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6797

Well Name & No. <u>WHLAND 1#</u>	Test No. <u>2</u>	Date <u>12-6-93</u>
Company <u>ABERCROMBIE Drilling</u>	Zone Tested <u>MARMATON</u>	
Address <u>150 N MAIN STES 01 WICHITA</u>	Elevation <u>3147 AB</u>	
Co. Rep./Geo. <u>MARY GALYON</u>	Cont. <u>A.A.A. Rig 8</u>	Est. Ft. of Pay <u>15</u>
Location: Sec. <u>25</u>	Twp. <u>20 S</u>	Rge. <u>35 W</u> Co. <u>WICHITA</u> State <u>KS</u>
No. of Copies <u>1</u>	Distribution Sheet <u>Yes</u>	No <u>Turnkey</u> Yes <u>No</u> <input checked="" type="checkbox"/> Evaluation

Interval Tested <u>4454 - 4519</u>	Drill Pipe Size <u>4 1/2 X H</u>
Anchor Length <u>65</u>	Top Choke - 1" <u>Bottom Choke - 3/4"</u>
Top Packer Depth <u>4449</u>	Hole Size - 7 7/8" <u>Rubber Size - 6 3/4"</u>
Bottom Packer Depth <u>4454</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>583</u>
Total Depth <u>4519</u>	Drill Collar - 2.25 Ft. Run <u> </u>
Mud Wt. <u>9.3</u> <u>LCM 1#</u> lb/gal.	Viscosity <u>45</u> Filtrate <u>9.6</u>
Tool Open @ <u>6:22 PM</u>	Initial Blow <u>Good Blow OFF BOTTOM 2 MIN</u>

Final Blow Good Blow OFF IN 1 MIN 30 SEC
GASTO SUR 40 MIN INTO FINAL SHUT-IN.

Recovery - Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>1255</u> Feet Of <u>SGC OIL</u> 15% gas 85% oil %water %mud	<u>2738</u>	
Rec. <u>189</u> Feet Of <u>SMG OIL</u> 10% gas 75% Oil %water <u>15</u> %mud		
Rec. <u>252</u> Feet Of <u>SWG </u> 10% gas 10% Oil 15 %water <u>45</u> %mud		
Rec. <u> </u> Feet Of <u>Oil Mud</u> %gas %oil %water %mud		
Rec. <u> </u> Feet Of <u> </u> %gas %oil %water %mud		

BHT 111 °F Gravity 35 °API @ 70 °F Corrected Gravity 34 °API

RW @ °F Chlorides ppm Recovery Chlorides 8000 ppm System

- (A) Initial Hydrostatic Mud 1918 PSI AK1 Recorder No. 13308 Range 4700
- (B) First Initial Flow Pressure 76 PSI @ (depth) 4454 w/Clock No. 7452
- (C) First Final Flow Pressure 328 PSI AK1 Recorder No. 11057 Range 4500
- (D) Initial Shut-In Pressure 1147 PSI @ (depth) 4514 w/Clock No. 27544
- (E) Second Initial Flow Pressure 359 PSI AK1 Recorder No. Range
- (F) Second Final Flow Pressure 587 PSI @ (depth) w/Clock No.
- (G) Final Shut-In Pressure 1147 PSI Initial Opening 30 Test
- (H) Final Hydrostatic Mud 1898 PSI Initial Shut-In 45 Jars

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Final Flow 60 Safety Joint
Final Shut-In 45 Straddle
Circ. Sub NC

Approved By Mary Galyon
Our Representative Mark Henry

Sampler
Extra Packer
Other oil evaluation
TOTAL PRICE \$

Tight Hole !!

WELL NAME Abercrombie DST # 2 RECORDER # 13308

INIT. HYD. MUD.		FINAL HYD. MUD					
INITIAL FLOW MINUTES	INITIAL SHUTIN MINUTES	INITIAL FLOW MINUTES	INITIAL SHUTIN MINUTES	FINAL FLOW MINUTES	FINAL SHUTIN MINUTES	FINAL FLOW MINUTES	FINAL SHUTIN MINUTES
<u>30</u>	<u>45</u>	<u>60</u>	<u>45</u>				
INTERVAL	INTERVAL	INTERVAL	INTERVAL	INTERVAL	INTERVAL	INTERVAL	INTERVAL
.051	62.0	—	—	1	.324	338.1	—
.093		.929		2	"		.914
.120		.957		3	328		938
.153		.965		4	338		945
.178		.976		5	.351		951
.194		.982		6	365		959
.210		.988		7	373		965
.225		.989		8	383		968
.240		.992		9	397		970
.261		.994		10	407		973
.268	321.7	.997		11	420		975
		.998		12	430		977
		.999		13	442		979
		1.000		14	451		980
		1.001		15	460		.981
		1.002	1184.4	16	472		.983
				17	485		984
				18	494		.985
				19	.501		1164.5
				20	510		
				21	518	616.7	
				22			
				23			
				24			
				25			
				26			
				27			

JSS

1	0.939	1110.55
2	0.957	1131.679
3	0.965	1141.068
4	0.976	1153.976
5	0.982	1161.015
6	0.988	1168.054
7	0.99	1170.4
8	0.992	1172.746
9	0.994	1175.092
10	0.997	1178.611
11	0.998	1179.784
12	0.999	1180.957
13	1	1182.13
14	1.001	1183.306
15	1.002	1184.483

Tight Hole

Recorder # 13308

JSS - 1200.6
FSS 1202.9

FSS

1	0.914	1081.194
2	0.938	1109.376
3	0.945	1117.594
4	0.951	1124.637
5	0.959	1134.027
6	0.965	1141.068
7	0.968	1144.589
8	0.97	1146.935
9	0.973	1150.456
10	0.975	1152.802
11	0.977	1155.149
12	0.979	1157.496
13	0.981	1159.842
14	0.983	1162.188
15	0.984	1163.362
16	0.985	1164.535

C - 16

A25 - A40

D1 - D.31

IF

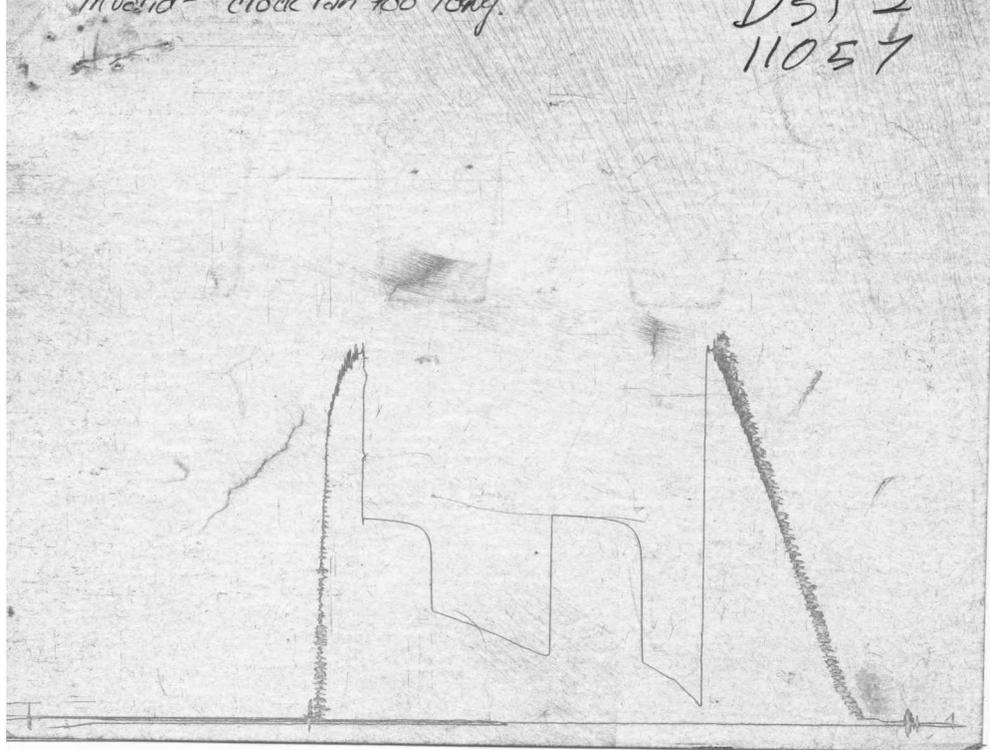
1	0.051	62.09862
2	0.093	112.6982
3	0.12	145.1416
4	0.153	184.6626
5	0.178	214.5574
6	0.194	233.6489
7	0.21	252.7322
8	0.225	270.6113
9	0.24	288.4672
10	0.261	313.4267
11	0.268	321.7365

FF

1	0.324	388.1069
2	0.324	388.1069
3	0.328	392.8433
4	0.338	404.6786
5	0.351	420.0518
6	0.365	436.5919
7	0.373	446.0359
8	0.383	457.8334
9	0.397	474.3359
10	0.407	486.1343
11	0.42	501.4733
12	0.43	513.2646
13	0.442	527.405
14	0.451	538.0037
15	0.46	548.5969
16	0.472	562.7125
17	0.485	577.9931
18	0.494	588.5651
19	0.501	596.7871
20	0.51	607.3784
21	0.518	616.789

11057 - CLOCK 100 TO 1000

11057
11057



TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name UHLAND #1 Test No. 3 Date 12/7/93
Company ABERCROMBIE DRILLING INC Zone MARMATON
Address 150 N MAIN #801 WICHITA KS 67202 Elevation 3147
Co. Rep./Geo. MARK GALYON Cont. ABERCROMBIE RIG #8 Est. Ft. of Pay _____
Location: Sec. 25 Twp. 20S Rge. 35W Co. WICHITA State KS

Interval Tested 4525-4560 Drill Pipe Size 4.5" XH
Anchor Length 35 Wt. Pipe I.D. - 2.7 Ft. Run 583
Top Packer Depth 4520 Drill Collar - 2.25 Ft. Run 9
Bottom Packer Depth 4525 Mud Wt. _____ lb/Gal.
Total Depth 4560 Viscosity 44 Filtrate 8.8

Tool Open @ 1:57 PM Initial Blow WEAK SURFACE BLOW FOR 21 MINUTES TO NO BLOW

Final Blow NO BLOW - FLUSHED TOOL - WEAK SURFACE BLOW 30 SECONDS
FSI: NO BLOW

Recovery - Total Feet 10 Flush Tool? YES

Rec. 10 Feet of OIL STAINED MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 113 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 1980.7 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 49.3 PSI @ (depth) 4529 w / Clock No. 7452

(C) First Final Flow Pressure 43.7 PSI AK1 Recorder No. 11057 Range 4500

(D) Initial Shut-in Pressure 582.6 PSI @ (depth) 4555 w / Clock No. 25828

(E) Second Initial Flow Pressure 54.9 PSI AK1 Recorder No. _____ Range _____

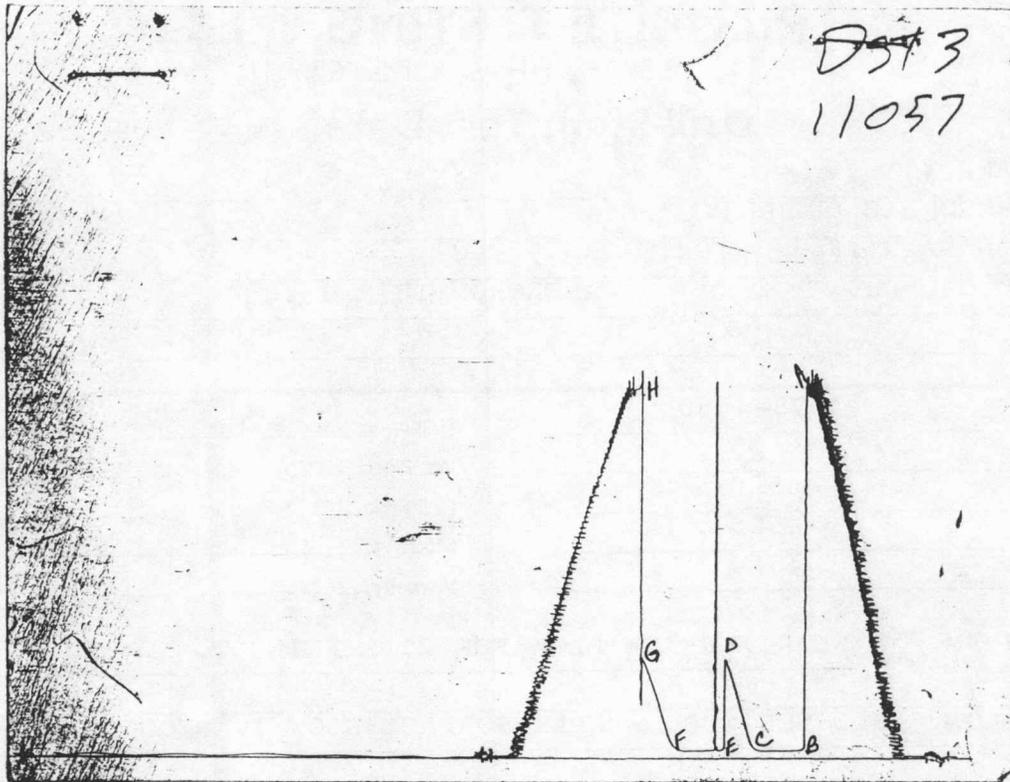
(F) Second Final Flow Pressure 43.7 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 575.9 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1950.7 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1938	1980.7
(B) FIRST INITIAL FLOW PRESSURE	33	49.3
(C) FIRST FINAL FLOW PRESSURE	33	43.7
(D) INITIAL CLOSED-IN PRESSURE	528	582.6
(E) SECOND INITIAL FLOW PRESSURE	33	54.9
(F) SECOND FINAL FLOW PRESSURE	33	43.7
(G) FINAL CLOSED-IN PRESSURE	538	575.9
(H) FINAL HYDROSTATIC MUD	1918	1950.7

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 6798

Well Name & No. <u>UHLAND 1 II</u>	Test No. <u>3</u>	Date <u>12-7-93</u>
Company <u>ABERCOMBE DRILLING</u>	Zone Tested <u>MARNATON</u>	
Address <u>150 N MAIN ST 800 WICHITA</u>	Elevation <u>3147 MB</u>	
Co. Rep./Geo. <u>MARK GAYLON</u>	Cont. <u>A.A. Dig 8</u>	Est. Ft. of Pay _____
Location: Sec. <u>25</u> Twp. <u>20S</u> Rge. <u>35W</u>	Co. <u>Wichita</u> State <u>KS</u>	
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>4525 4540</u>	Drill Pipe Size <u>4 1/2 XH</u>
Anchor Length <u>35</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>4520</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>4525</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>383</u>
Total Depth <u>4540</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.0</u> <u>LCM1</u> lb/gal.	Viscosity <u>44</u> Filtrate <u>8.8</u>
Tool Open @ <u>1:57 PM</u>	Initial Blow <u>WEAK SUR FOR 21 MIN TO NO BLOW</u>

Final Blow No Blow Flush Tool WEAK SUR Blow 30 SEC
NO BLOW

Recovery — Total Feet <u>10</u>	Feet of Gas in Pipe _____	Flush Tool? <u>3:03</u>
Rec. <u>10</u> Feet Of <u>10S Mud</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 113 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 8000 ppm System

- (A) Initial Hydrostatic Mud 1938 PSI AK1 Recorder No. 13308 Range 4700
- (B) First Initial Flow Pressure 33 PSI @ (depth) 4529 w/Clock No. 7452
- (C) First Final Flow Pressure 33 PSI AK1 Recorder No. 11057 Range 4500
- (D) Initial Shut-In Pressure 528 PSI @ (depth) 4555 w/Clock No. 25828
- (E) Second Initial Flow Pressure 33 PSI AK1 Recorder No. _____ Range _____
- (F) Second Final Flow Pressure 33 PSI @ (depth) _____ w/Clock No. _____
- (G) Final Shut-In Pressure 538 PSI Initial Opening 30 Test 600.00
- (H) Final Hydrostatic Mud 1918 PSI Initial Shut-In 30 Jars _____

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 [Signature]
Our Representative [Signature]

Final Flow 30 Safety Joint _____
Final Shut-In 30 Straddle _____
Circ. Sub NC
Sampler _____
Extra Packer _____
Other _____
TOTAL PRICE \$ 600.00

Handwritten text at the top left, possibly a name or identifier.

Vst 3
13308

