

**Well Name:** 1-13 CBH  
**Company:** Lebsack Oil Prod. Inc.  
**Location:** 13-21s-35w  
Kearny county Kansas  
**Date:** 10-12-99

TRILOBITE TESTING L.L.C.

OPERATOR : LeBsack Oil Prod. Inc.

DATE 10-7-99

WELL NAME: 1-13 CBH

KB 3092.00 ft

TICKET NO: 11946

DST #1

LOCATION : 13-21s-35w Kearny co KS

GR 3087.00 ft

FORMATION: morrow

INTERVAL : 4807.00 To 4870.00 ft

TD 4870.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058	11058	2346			PF Fr. 0230 to 0300 hr
SI 0 Range(Psi )	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)	12	12	alpin			SF Fr. to hr
FS 30 Depth(ft )	4867.0	4867.0	4808.0	0.0	0.0	FS Fr. 0300 to 0330 hr

	Field	1	2	3	4	
A. Init Hydro	2558.0	2544.0	2487.0	0.0	0.0	T STARTED 1245 hr
B. First Flow	88.0	92.0	37.0	0.0	0.0	T ON BOTM 0227 hr
B1. Final Flow	88.0	92.0	49.0	0.0	0.0	T OPEN 0230 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 0330 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 0555 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	100.0	100.0	58.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2547.0	2544.0	2390.0	0.0	0.0	Tool Wt. 5000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 82000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 74000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.50 in
						D.C. Length 231.00 ft
						D.P. Length 4596.00 ft

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP  
 5.00 ft of Mud 100% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:  
 1/4" blow died back to work surface  
 blow  
 Final Shut-in:  
 No return

MUD DATA-----  
 Mud Type Chemcial  
 Weight 9.30 lb/cf  
 Vis. 46.00 S/L  
 W.L. 9.60 in3  
 F.C. 0.00 in  
 Mud Drop N  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 109.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 5.75 in  
 No. of Packers 3  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out N  
 Tool Chased N  
 Tester Shane McBride  
 Co. Rep. Wayne LeBsack  
 Contr. Aerocrombie  
 Rig # 4  
 Unit #  
 Pump T.

SAMPLES:

SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONV.

WELL NAME: 1-13 CBH

LOCATION : 13-21s-35w Kearny co KS

WELL No. 11946 D.S.T. No. 1 DATE 10-7-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27

INTERVAL TOOL .....

TOTAL PACKERS AND ANCHOR ..... 32

TOTAL TOOL ..... 59

WELL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single 1 Total 31

TOTAL ASSEMBLY ..... 90

C. ABOVE TOOLS.Stands4 Single Total 231

P. ABOVE TOOLS.Stands74 Single 1 Total 4565

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4886

TOTAL DEPTH ..... 4870

TOTAL DRILL PIPE ABOVE K.B. .... 16

MARKS:

P.O. SUB	
C.O. SUB 1'	4779
S.I. TOOL 5'	4785
HMV 5'	4790
JARS 5'	4795
SAFETY JOINT 2'	4797
PACKER top	4802
PACKER bottom	4807
DEPTH 4807	
STUBB 1'	4808
ANCHOR alpine recorder	4808
24' perf	4832
1' c.o.	4833
31' drillpipe	4864
T.C.	
DEPTH	
1' c.o	4865
ak-1 recorder	4867
BULLNOSE 5' bullplug	4870
T.D.	4870

# TEST HISTORY

11946 DST #1 1-13 CBH Lesack Oil Prod.

Flag Points  
t(Min.) P(PSIg)

A:	0.00	2487.69
B:	0.00	37.17
C:	30.00	49.29
D:	31.00	58.52
Q:	0.00	2390.86

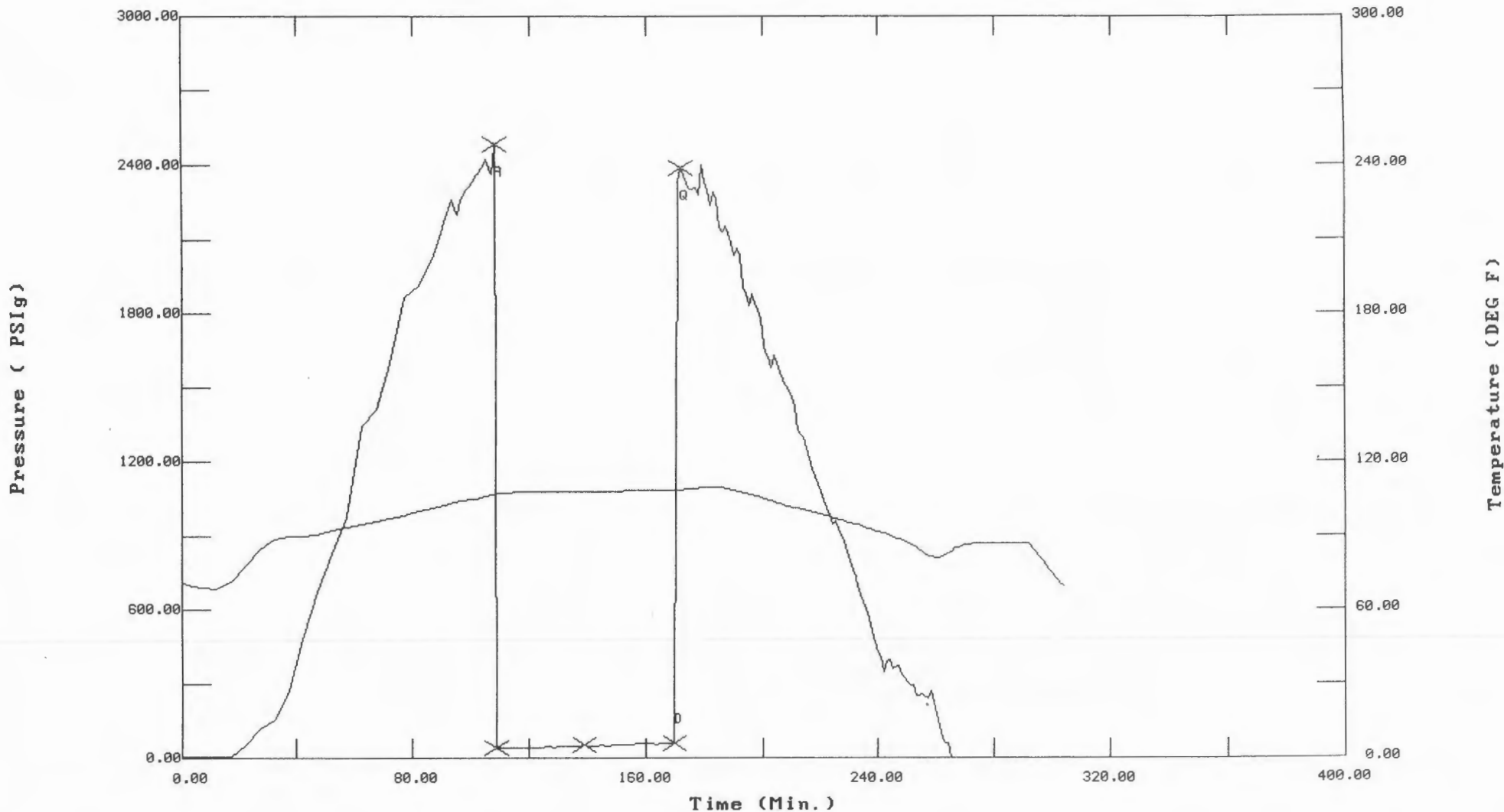
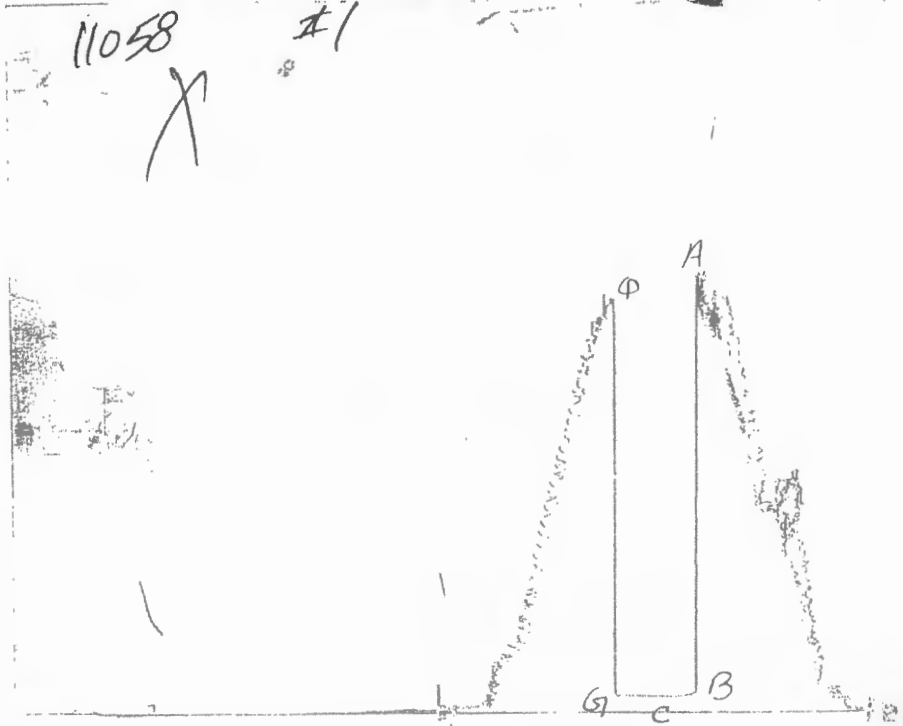


CHART PAGE

11058

#1



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N<sup>o</sup> 11946

## Test Ticket

Well Name & No. 1-13 CBH Test No. 1 Date 10-7-99  
 Company Lebsack O. & Prod. Inc. Zone Tested Morrow  
 Address P.O. Box 489, Hays, Ks 67601 Elevation 3092 KB 3087 GL  
 Co. Rep / Geo. Wayne Lebsack Cont. Abrescrambie #4 Est. Ft. of Pay      Por.      %  
 Location: Sec. 13 Twp. 21 Rge. 35 Co. Kearney State Ks  
 No. of Copies N/A Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 4807' 4870' Initial Str Wt./Lbs. 24,000 Unseated Str Wt./Lbs. 24,000  
 Anchor Length 63' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 82,000  
 Top Packer Depth 4802' Tool Weight 5,000  
 Bottom Packer Depth 4807' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 4870' Wt. Pipe Run      Drill Collar Run 231' xH  
 Mud Wt. 9.3 LCM 1/2 Vis. 46 WL 9.6 Drill Pipe Size 4 1/2 xH Ft. Run 4596'  
 Blow Description 1/4" w blows died back to weak surface blow

No return

Recovery — Total Feet 5' GIP      Ft. in DC 5' Ft. in DP       
 Rec. 5' Feet Of Drily mud %gas      %oil      %water 100 %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 D@      °F Corrected Gravity      °API       
 RW      @      °F Chlorides      ppm Recovery Chlorides 4500 ppm System     

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	2558	2487		2346	B:50 p.m.
(B) First Initial Flow Pressure	88	37		(depth) 4808'	T-Started 12:45 a.m.
(C) First Final Flow Pressure	88	49		11058	T-Open 02:30 a.m.
(D) Initial Shut-In Pressure				(depth) 4867'	T-Pulled 03:30 a.m.
(E) Second Initial Flow Pressure					T-Out 05:55 a.m.
(F) Second Final Flow Pressure				(depth) 30	T-Off Location 06:30 a.m.
(G) Final Shut-in Pressure	100	58		Initial Opening 30	Test <u>X</u>
(Q) Final Hydrostatic Mud	2547	2390		Initial Shut-in <u>    </u>	Jars <u>X</u>
				Final Flow <u>    </u>	Safety Joint <u>X</u>
				Final Shut-in <u>30</u>	Straddle <u>    </u>

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

Approved By       
 Our Representative Shirley B. A.

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

TRILOBITE TESTING L.L.C.

OPERATOR : Lebsack Oil Prod. Inc.

DATE 10-7-99

WELL NAME: 1-13 CBH

KB 3092.00 ft

TICKET NO: 11947

DST #2

LOCATION : 13-21s-35w Kearny co KS

GR 3087.00 ft

FORMATION: morrow

INTERVAL : 4879.00 To 4900.00 ft

TD 4900.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11058	11058	2346			PF Fr. 1540 to 1610 hr
SI 0	Range(Psi )	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. to hr
SF 0	Clock(hrs)	12	12	alpin			SF Fr. to hr
FS 60	Depth(ft )	4897.0	4897.0	4880.0	0.0	0.0	FS Fr. 1610 to 1710 hr

	Field	1	2	3	4	
A. Init Hydro	2558.0	2552.0	2587.0	0.0	0.0	T STARTED 1330 hr
B. First Flow	44.0	44.0	24.0	0.0	0.0	T ON BOTM 1537 hr
B1. Final Flow	44.0	44.0	26.0	0.0	0.0	T OPEN 1540 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 1710 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 1920 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	55.0	63.0	49.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2547.0	2542.0	2503.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 118000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 74000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.50 in
						D.C. Length 231.00 ft
						D.P. Length 4626.00 ft

RECOVERY

Tot Fluid 2.00 ft of 2.00 ft in DC and 0.00 ft in DP  
 2.00 ft of Drilling mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:  
 Weak surface blow died in 6 mins.  
 Final Shut-in:  
 No return

MUD DATA-----

Mud Type Chemical  
 Weight 9.30 lb/cf  
 Vis. 46.00 S/L  
 W.L. 9.60 in<sup>3</sup>  
 F.C. 0.00 in  
 Mud Drop N

Amt. of fill 0.00 ft  
 Btm. H. Temp. 108.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00

SAMPLES:  
 SENT TO:

Cushion Type  
 Reversed Out N  
 Tool Chased N  
 Tester Shane McBride  
 Co. Rep. Wayne Lebsack  
 Contr. Abercrombie  
 Rig # 4  
 Unit #  
 Pump T.

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONV.

WELL NAME: 1-13 CBH

LOCATION : 13-21s-35w Kearny co KS

WELL No. 11947 D.S.T. No. 2 DATE 10-7-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27

INTERVAL TOOL .....

TOTAL PACKERS AND ANCHOR ..... 21

TOTAL TOOL ..... 48

WELL COLLAR ANCHOR IN INTERVAL .....

C. ANCHOR STAND.Stands	Single	Total
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P. ANCHOR STAND.Stands	Single	Total
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TOTAL ASSEMBLY ..... 48

C. ABOVE TOOLS.Stands	4	Single	Total	231
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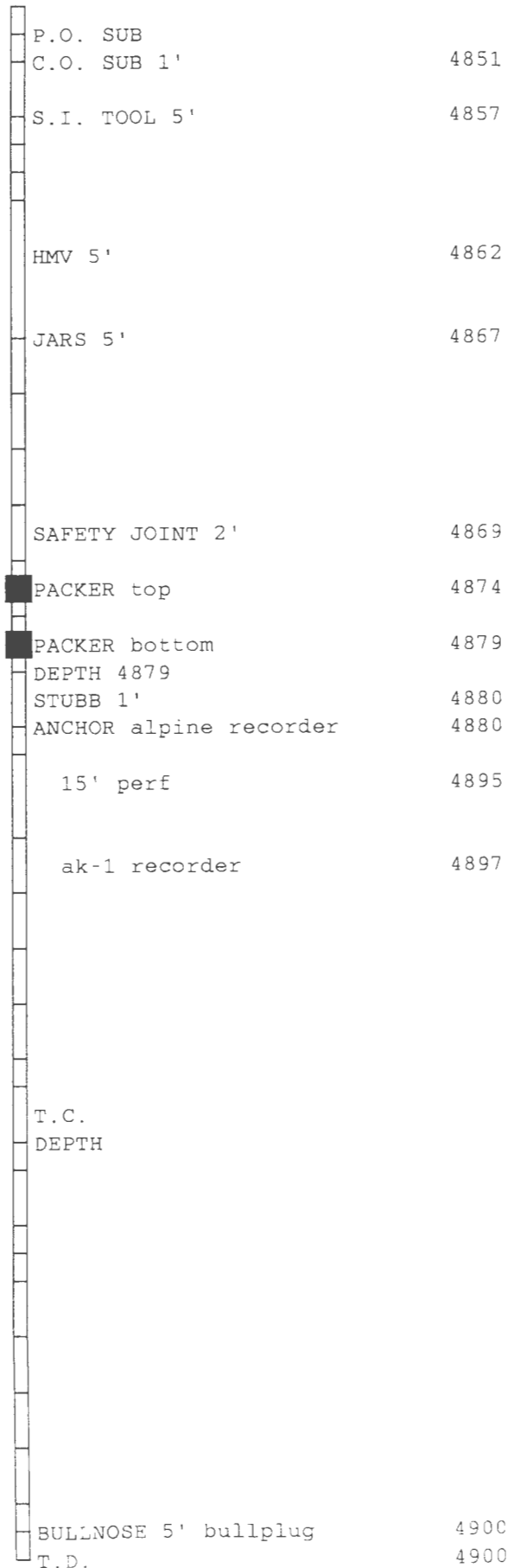
P. ABOVE TOOLS.Stands	75	Single	1	Total	4626
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TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4905

TOTAL DEPTH ..... 4900

TOTAL DRILL PIPE ABOVE K.B. .... 5

MARKS:



# TEST HISTORY

11947 DST #2 1-13 CBH Lebsack Oil Prod. Inc.

Flag Points  
t (Min.) P (PSig)

A:	0.00	2587.16
B:	0.00	24.82
C:	29.00	26.08
D:	60.00	49.35
Q:	0.00	2503.29

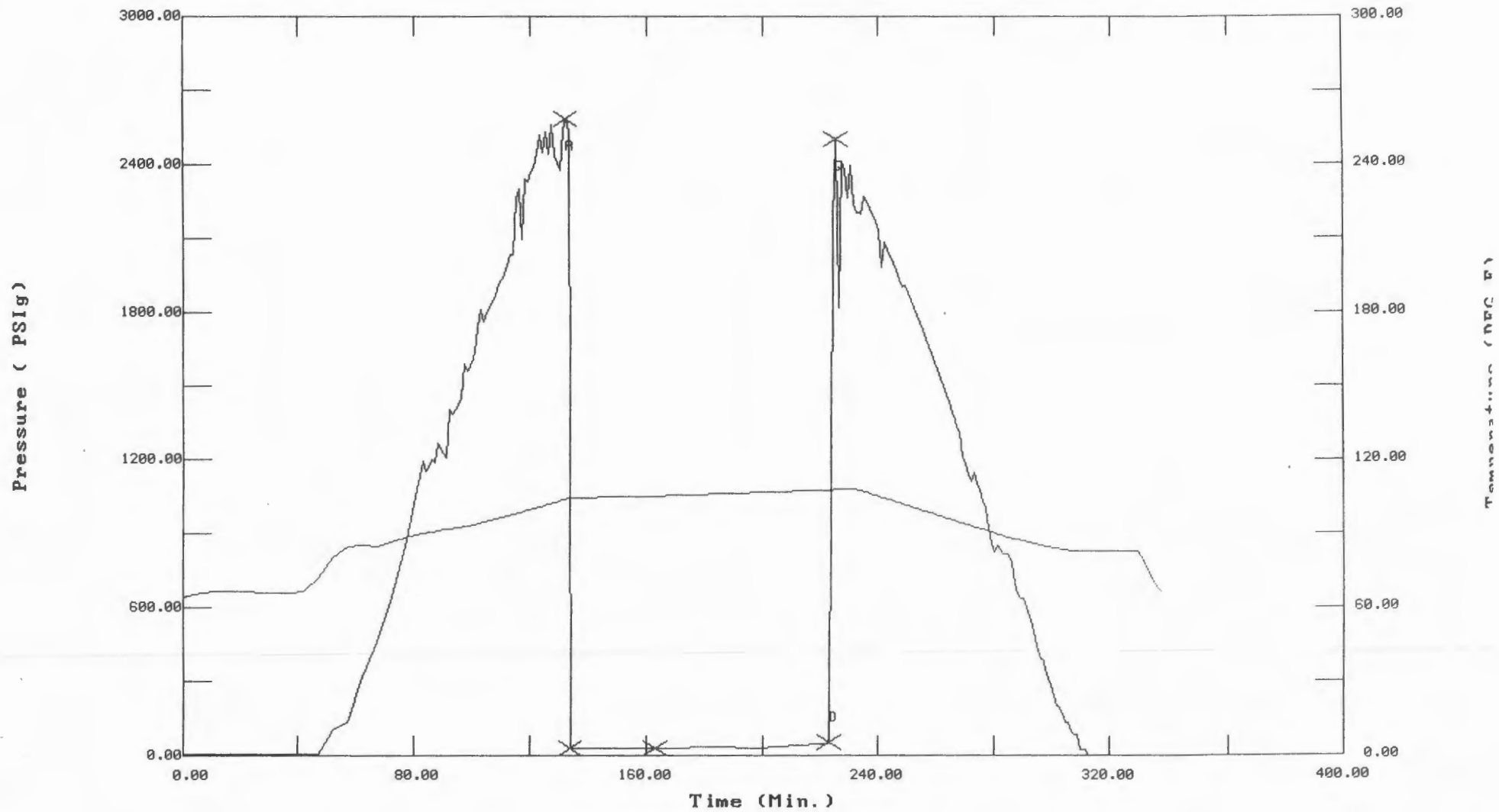
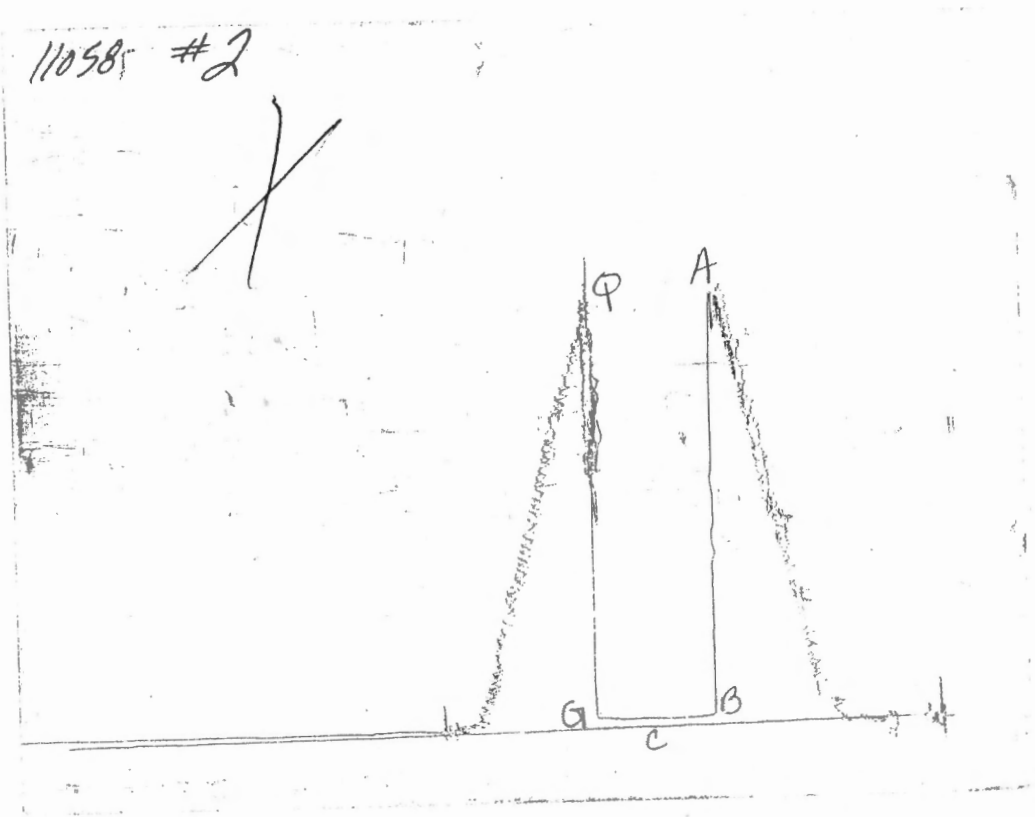


CHART PAGE



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

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

№ 11947

## Test Ticket

Well Name & No. 1-13 CBH Test No. 2 Date 10-7-99  
 Company Lebsack O. I. Prod. Inc. Zone Tested Narrow  
 Address P.O. Box 489 Hays KS 67601 Elevation 3092 KB 3087 GL  
 Co. Rep / Geo. Wayne Lebsack Cont. Abertrombie #4 Est. Ft. of Pay      Por.      %  
 Location: Sec. 13 Twp. 21 Rge. 35 Co. Kearny State KS  
 No. of Copies None Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 4879 4900 Initial Str Wt./Lbs. 74,000 Unseated Str Wt./Lbs. 74,000  
 Anchor Length 21 Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 118,000  
 Top Packer Depth 4874 Tool Weight 4,000  
 Bottom Packer Depth 4879 Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 4900 Wt. Pipe Run      Drill Collar Run 231' x4  
 Mud Wt. 9.3 LCM 1/2 Vis. 46 WL 9.6 Drill Pipe Size 4 1/2 x4 Ft. Run 4626'  
 Blow Description Went Surface blow died in 6 min.

No return

Recovery — Total Feet 2' GIP      Ft. in DC 2' Ft. in DP       
 Rec. 2' Feet Of Drill mud %gas      %oil      %water 100 %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 108' °F Gravity      °API D@      °F Corrected Gravity      °API       
 RW      @      °F Chlorides      ppm Recovery Chlorides 4,400 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2558</u>	<u>2587</u>		<u>2346</u>	<u>12:40 p.m.</u>
(B) First Initial Flow Pressure	<u>44</u>	<u>24</u>		(depth) <u>4880'</u>	T-Started <u>13:30 p.m.</u>
(C) First Final Flow Pressure	<u>44</u>	<u>26</u>		Recorder No. <u>11058</u>	T-Open <u>15:40 p.m.</u>
(D) Initial Shut-In Pressure				(depth) <u>4897'</u>	T-Pulled <u>17:10 p.m.</u>
(E) Second Initial Flow Pressure				Recorder No. <u>    </u>	T-Out <u>19:20 p.m.</u>
(F) Second Final Flow Pressure				(depth) <u>    </u>	T-Off Location <u>20:20 p.m.</u>
(G) Final Shut-in Pressure	<u>55</u>	<u>49</u>		Initial Opening <u>30</u>	Test <u>X</u>
(Q) Final Hydrostatic Mud	<u>2547</u>	<u>2503</u>		Initial Shut-in <u>    </u>	Jars <u>X</u>
				Final Flow <u>    </u>	Safety Joint <u>X</u>
				Final Shut-in <u>60</u>	Straddle <u>    </u>

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Approved By       
 Our Representative Steve McKelvey

Circ. Sub X N/A  
 Sampler       
 Extra Packer       
 Elec. Rec. X  
 Mileage       
 Other       
 TOTAL PRICE \$