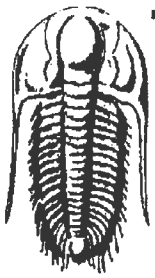


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Lebsack Oil Production**

POBox 489
Hays KS 67601

ATTN: Wayne Lebsack

21 20S 10W Rice KS

Sessler #2

Start Date: 2006.05.01 @ 13:41:02
End Date: 2006.05.01 @ 21:21:02
Job Ticket #: 24056 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Lebsack Oil Production

POBox 489
Hays KS 67601

ATTN: Wayne Lebsack

Sessler #2

21 20S 10W Rice KS

Job Ticket: 24056 **DST#: 1**

Test Start: 2006.05.01 @ 13:41:02

GENERAL INFORMATION:

Formation: **Lans.F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:33:02
Time Test Ended: 21:21:02

Test Type: Conventional Bottom Hole
Tester: Pevoteaux/Adams
Unit No: 19

Interval: 3063.00 ft (KB) To 3075.00 ft (KB) (TVD)
Total Depth: 3075.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

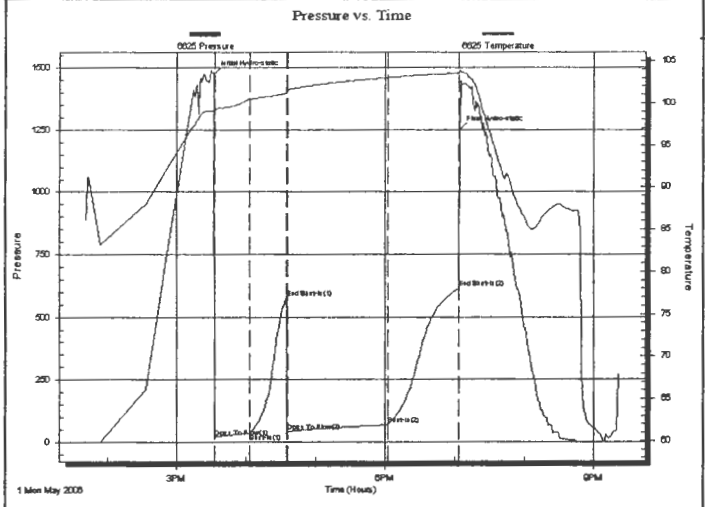
Reference Elevations: 1756.00 ft (KB)
1747.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6625 **Inside**

Press@RunDepth: 69.35 psig @ 3064.00 ft (KB)
Start Date: 2006.05.01 End Date: 2006.05.01
Start Time: 13:41:03 End Time: 21:21:02

Capacity: 7000.00 psig
Last Calib.: 2006.05.01
Time On Btm: 2006.05.01 @ 15:32:17
Time Off Btm: 2006.05.01 @ 19:04:02

TEST COMMENT: IF Fair to strong blow BOB in 16"
ISI No blow
FF Fair to strong blow BOB in 90"
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1474.31	99.10	Initial Hydro-static
1	20.06	99.06	Open To Flow (1)
31	34.87	100.47	Shut-In(1)
63	576.38	101.13	End Shut-In(1)
63	40.09	101.45	Open To Flow (2)
151	69.35	103.01	Shut-In(2)
212	614.56	103.52	End Shut-In(2)
212	1248.04	103.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	SOCMW 1%O 24%M 75%W Rw 1.6 OHM	0.30 72 d
61.00	GOCWM 6%O 12%W 38%G 44%M	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lebsack Oil Production

POBox 489
Hays KS 67601

ATTN: Wayne Lebsack

Sessler #2

21 20S 10W Rice KS

Job Ticket: 24056 **DST#: 1**

Test Start: 2006.05.01 @ 13:41:02

Tool Information

Drill Pipe:	Length:	2819.00 ft	Diameter:	3.80 inches	Volume:	39.54 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	244.00 ft	Diameter:	2.25 inches	Volume:	1.20 bbl	Weight to Pull Loose:	66000.00 lb
					Total Volume:	40.74 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		28.00 ft					String Weight: Initial	52000.00 lb
Depth to Top Packer:		3063.00 ft					Final	54000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		12.00 ft						
Tool Length:		40.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3040.00		
Hydraulic tool	5.00			3045.00		
Jars	5.00			3050.00		
Safety Joint	3.00			3053.00		
Packer	5.00			3058.00	28.00	Bottom Of Top Packer
Packer	5.00			3063.00		
Stubb	1.00			3064.00		
Recorder	0.00	6625	Inside	3064.00		
Perforations	8.00			3072.00		
Recorder	0.00	11019	Outside	3072.00		
Bullnose	3.00			3075.00	12.00	Bottom Packers & Anchor
Total Tool Length:	**40.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Lebsack Oil Production

POBox 489
Hays KS 67601

ATTN: Wayne Lebsack

Sessler #2

21 20S 10W Rice KS

Job Ticket: 24056 **DST#: 1**

Test Start: 2006.05.01 @ 13:41:02

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	44000 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

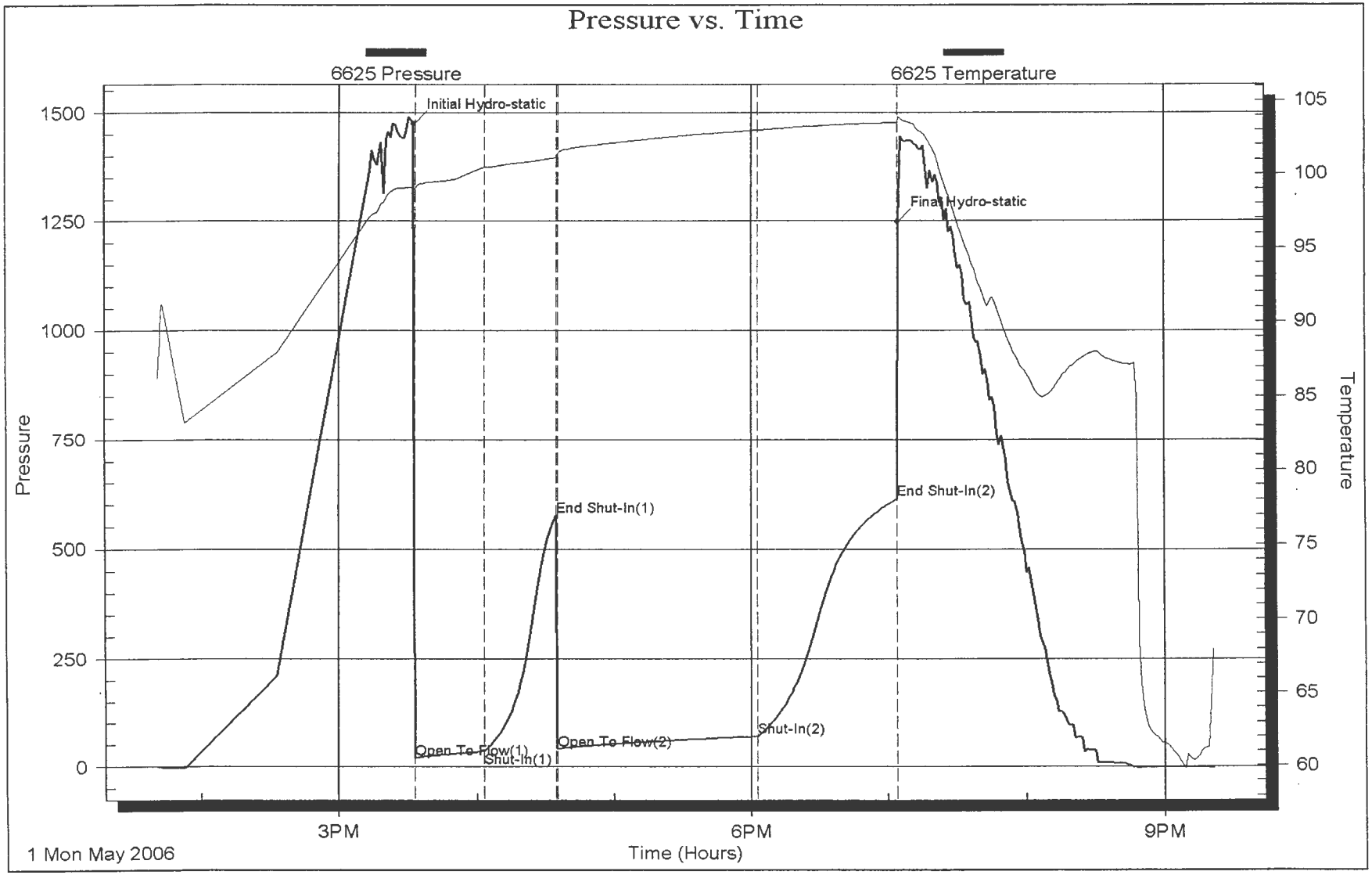
Length ft	Description	Volume bbl
61.00	SOCMW 1%O 24%M 75%W Rw 1.6 OHMS @	0.300
61.00	GOCWM 6%O 12%W 38%G 44%M	0.300

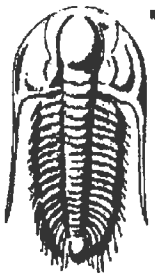
Total Length: 122.00 ft Total Volume: 0.600 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6625 Pressure
6625 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
75
70
65
60
3PM
6PM
9PM
1 Mon May 2006
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Lebsack Oil Production**

POBox 489
Hays KS 67601

ATTN: Wayne Lebsack

21 20S 10W Rice KS

Sessler #2

Start Date: 2006.05.02 @ 11:38:23
End Date: 2006.05.02 @ 18:41:23
Job Ticket #: 24057 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Lebsack Oil Production

POBox 489
Hays KS 67601

ATTN: Wayne Lebsack

Sessler #2

21 20S 10W Rice KS

Job Ticket: 24057 **DST#: 2**

Test Start: 2006.05.02 @ 11:38:23

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:20:53
Time Test Ended: 18:41:23

Test Type: Conventional Bottom Hole
Tester: Pevoteaux/Adams
Unit No: 19

Interval: 3244.00 ft (KB) To 3290.00 ft (KB) (TVD)
Total Depth: 3290.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

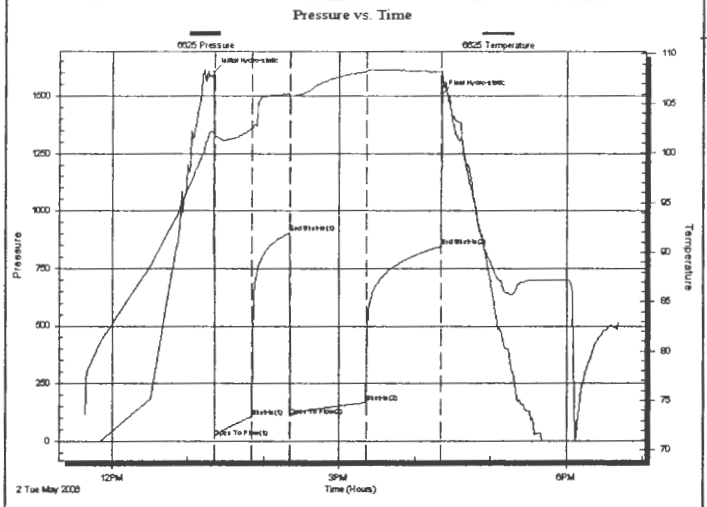
Reference Elevations: 1756.00 ft (KB)
1747.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6625 **Inside**

Press@RunDepth: 167.68 psig @ 3245.00 ft (KB)
Start Date: 2006.05.02 End Date: 2006.05.02
Start Time: 11:38:24 End Time: 18:41:23

Capacity: 7000.00 psig
Last Calib.: 2006.05.02
Time On Btm: 2006.05.02 @ 13:20:38
Time Off Btm: 2006.05.02 @ 16:20:53

TEST COMMENT: IF Weak to fair blow Slow increase to 10"
ISI No blow
FF Fair to strong blow BOB in 54"
FSI Very weak blow (1/4 in) dead in 5"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.66	102.09	Initial Hydro-static
1	17.80	101.79	Open To Flow (1)
30	105.87	102.47	Shut-In(1)
60	903.19	105.96	End Shut-In(1)
60	109.28	105.81	Open To Flow (2)
121	167.68	108.20	Shut-In(2)
180	845.64	108.21	End Shut-In(2)
181	1509.76	108.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
244.00	SW Rw .23 OHMS @ 73 deg	1.20
92.00	MW 40%M 60%W	1.29
0.00	Layer of clean Oil @ top of recovery	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lebsack Oil Production

POBox 489
Hays KS 67601

ATTN: Wayne Lebsack

Sessler #2

21 20S 10W Rice KS

Job Ticket: 24057 **DST#: 2**

Test Start: 2006.05.02 @ 11:38:23

Tool Information

Drill Pipe:	Length:	2977.00 ft	Diameter:	3.80 inches	Volume:	41.76 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	244.00 ft	Diameter:	2.25 inches	Volume:	1.20 bbl	
					Total Volume:	42.96 bbl	

Drill Pipe Above KB:	5.00 ft
Depth to Top Packer:	3244.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	46.00 ft
Tool Length:	74.00 ft
Number of Packers:	2
Diameter:	6.75 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	61000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	56000.00 lb
Final	57000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3221.00		
Hydraulic tool	5.00			3226.00		
Jars	5.00			3231.00		
Safety Joint	3.00			3234.00		
Packer	5.00			3239.00	28.00	Bottom Of Top Packer
Packer	5.00			3244.00		
Stubb	1.00			3245.00		
Recorder	0.00	6625	Inside	3245.00		
Perforations	2.00			3247.00		
Change Over Sub	1.00			3248.00		
Blank Spacing	30.00			3278.00		
Change Over Sub	1.00			3279.00		
Perforations	8.00			3287.00		
Recorder	0.00	11019	Outside	3287.00		
Bullnose	3.00			3290.00	46.00	Bottom Packers & Anchor
Total Tool Length:	**74.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Lebsack Oil Production

POBox 489
Hays KS 67601

ATTN: Wayne Lebsack

Sessler #2

21 20S 10W Rice KS

Job Ticket: 24057 **DST#: 2**

Test Start: 2006.05.02 @ 11:38:23

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	23500 ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.38 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5500.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

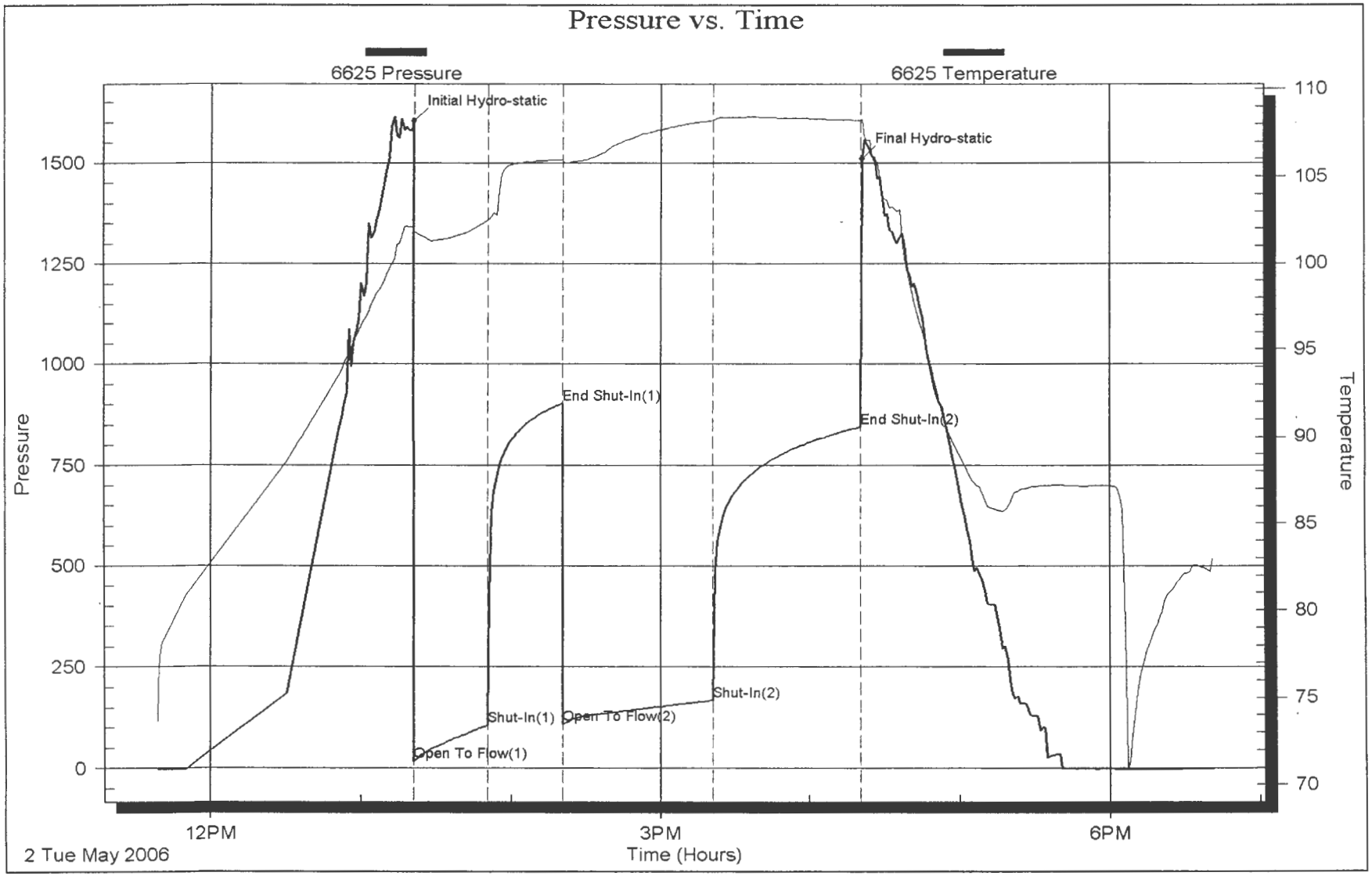
Length ft	Description	Volume bbl
244.00	SW Rw .23 OHMS @ 73 deg	1.200
92.00	MW 40%M 60%W	1.291
0.00	Layer of clean Oil @ top of recovery	0.000

Total Length: 336.00 ft Total Volume: 2.491 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6625 Pressure
6625 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
110
105
100
95
90
85
80
75
70
12PM
3PM
6PM
2 Tue May 2006
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

8721 № 24056

Test Ticket

Well Name & No. Sessler #2 Test No. DST #1 Date 5-01-06

Company Lebsack Oil Production Zone Tested Lans. F

Address P.O. Box 489 Hayse, Ks. 67601-0489 Elevation 1747 KB 9' GL

Co. Rep / Geo. Wayne Lebsack Rig Sterling Rig #1

Location: Sec. 21 Twp. 20S. Rge. 10W. Co. Rice State Ks.

Comment: Release date / time:

Interval Tested 3063 - 3075 Initial Str Wt./Lbs. 52000 Unseated Str Wt/Lbs. 54000

Anchor Length 12' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 66000

Top Packer Depth 3058 Tool Weight 2100

Bottom Packer Depth 3063 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3075' Wt. Pipe Run None Drill Collar Run 244

Mud Wt. 9.2 LCM 0 Vis. 52 WL 8.8 Drill Pipe Size 4½ Ft. Run 2819

Blow Description IF: Fair to strong blow. B.O.B. in 16 mins. ISI: No blow.

FF: Fair to strong blow. B.O.B. in 90 mins. FSI: No blow.

Recovery - Total Feet 122 GIP 372 Ft. in DC 122 Ft. in DP 0

Rec. 61	Feet of GOCWM	38 %gas	6 %oil	12 %water	44 %mud
Rec. 61	Feet of SOCMW	%gas	1 %oil	75 %water	24 %mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 104 °F Gravity N/A °API D @ — °F Corrected Gravity N/A °API

RW 1.6 @ 72 °F Chlorides [redacted] ppm Recovery 44,000 Chlorides 7,000 ppm System

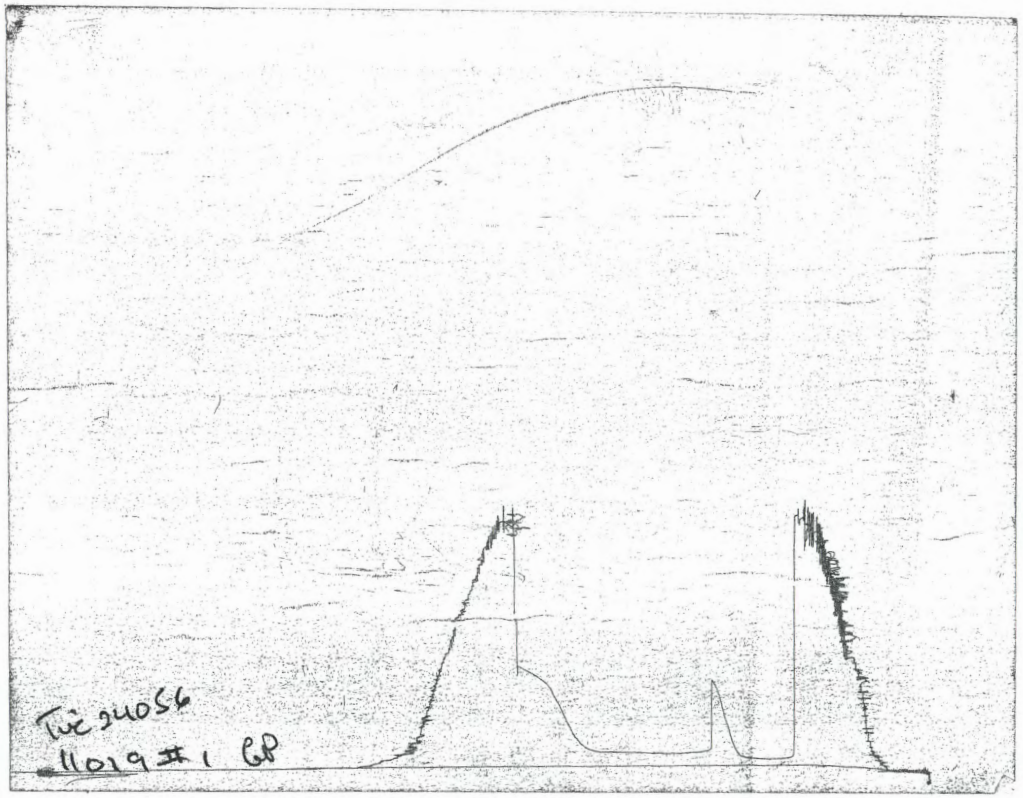
	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1490	PSI	Recorder No.	6625	Test ✓	1000
(B) First Initial Flow Pressure		20	PSI	(depth)	3064	Jars ✓	250
(C) First Final Flow Pressure		35	PSI	Recorder No.	11019	Safety Jt. ✓	75
(D) Initial Shut-In Pressure		576	PSI	(depth)	3072'	Circ Sub	
(E) Second Initial Flow Pressure		40	PSI	Recorder No.	—	Sampler	
(F) Second Final Flow Pressure		69	PSI	(depth)	—	Straddle	
(G) Final Shut-In Pressure		615	PSI	**Initial Opening**	30	Ext. Packer	
(Q) Final Hydrostatic Mud		1460	PSI	Initial Shut-In	30	Shale Packer	
				Final Flow	90	Ruined Packer	165.00
				Final Shut-In	60	Mileage	124 m. 1.15
				T-On Location	12:45	Sub Total:	1480.00
				T-Started	13:41	Std. By ✓	50.00
				T-Open	15:33	Acc. Chg:	
				T-Pulled	19:05	Other:	
				T-Out	21:21	Total:	1530.00

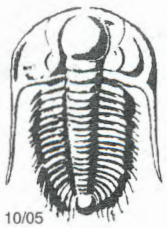
Approved By Wayne Rowell

Our Representative Corey Swatsworth

CHART PAGE

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





10/05

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 24057

Test Ticket

Well Name & No. Sessler #2 Test No. #2 Date 5-02-06

Company Lebsack Oil Production Zone Tested Simpson

Address P.O. Box 489 Hays, KS. 67601 Elevation 1756 KB 1764' GL

Co. Rep / Geo. Wayne Lebsack Rig Sterling Rig #1

Location: Sec. 21 Twp. 20s. Rge. 10w Co. Rice State Ks.

Comment: Release date / time:

Interval Tested 3244 - 3290 Initial Str Wt./Lbs. 56 000 Unseated Str Wt/Lbs. 57000

Anchor Length 46 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 61000

Top Packer Depth 3239 Tool Weight 2100

Bottom Packer Depth 3244 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3290 Wt. Pipe Run None Drill Collar Run 244

Mud Wt. 9.2 LCM 0 Vis. 46 WL 10.4 Drill Pipe Size 4½ Ft. Run

Blow Description IF: Weak to Fair blow. Slow increase to 10". I.S.I: No blow.

F.F: Fair to Strong blow. B.O.B. in 54 mins. F.S.I: Very weak blow(¼") dead in 5 mins.

Recovery - Total Feet 336 GIP Trace Ft. in DC 244' Ft. in DP 92'

Rec. [redacted]	Feet of Thin Layer of Clean Oil	%gas	%oil	%water	%mud
Rec.	Feet of @ Top of Pipe Recovery	%gas	%oil	%water	%mud
Rec. 92	Feet of MW	%gas	%oil	60 %water	40 %mud
Rec. 244	Feet of SW	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 108 °F Gravity N/A °API D @ — °F Corrected Gravity N/A °API

RW 0.32 @ 73 °F Chlorides [redacted] ppm Recovery 23500 Chlorides 5,500 ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1580 PSI	Recorder No.	6625	Test	✓	1000
(B) First Initial Flow Pressure		18 PSI	(depth)	3245	Jars	✓	250
(C) First Final Flow Pressure		106 PSI	Recorder No.	11019	Safety Jt.	✓	75
(D) Initial Shut-In Pressure		903 PSI	(depth)	3287	Circ Sub		
(E) Second Initial Flow Pressure		109 PSI	Recorder No.	—	Sampler		
(F) Second Final Flow Pressure		168 PSI	(depth)	—	Straddle		
(G) Final Shut-In Pressure		846 PSI	**Initial Opening**	30	Ext. Packer		
(Q) Final Hydrostatic Mud		1558 PSI	Initial Shut-In	30	Shale Packer		
			Final Flow	60	Ruined Packer		
			Final Shut-In	60	Mileage	✓124	155
			T-On Location	11:30	Sub Total:		1,480
			T-Started	11:38	Std. By		
			T-Open	13:20	Acc. Chg:		
			T-Pulled	16:20	Other:		
			T-Out	18:41	Total:		1480.00

Approved By

Our Representative

CHART PAGE

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