



DRILL STEM TEST REPORT

Prepared For: **Lebsack Oil Prod Inc**

P O Box 489
Hays KS 67601-0489

ATTN: Wayne Lebsack

15-21s-10w Rice KS

Spangenberg-Gatton #

Start Date: 2001.04.04 @ 14:45:00

End Date: 2001.04.04 @ 18:21:00

Job Ticket #: 14319 DST #: 1

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lebsack Oil Prod Inc

P O Box 489
Hays KS 67601-0489

ATTN: Wayne Lebsack

Spangenberg-Gatton #

15-21s-10w Rice KS

Job Ticket: 14319

DST#: 1

Test Start: 2001.04.04 @ 14:45:00

GENERAL INFORMATION:

Formation: **Severy**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:39:25

Time Test Ended: 18:21:00

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: 2506.00 ft (KB) To 2540.00 ft (KB) (TVD)

Total Depth: 2540.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 1719.00 ft (KB)

1709.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 3024 Inside

Press@RunDepth: 145.66 psig @ 2507.01 ft (KB)

Start Date: 2001.04.04

End Date:

2001.04.04

Capacity: 7000.00 psig

Last Calib.: 2001.04.04

Start Time: 13:48:26

End Time:

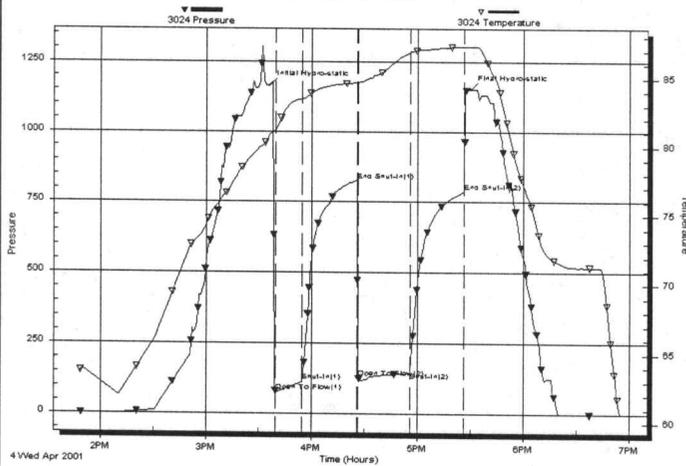
18:54:55

Time On Btm: 2001.04.04 @ 15:35:55

Time Off Btm: 2001.04.04 @ 17:29:55

TEST COMMENT: times 15-30-30-30 IFP-strong blow
FFP-w k to strg bl in 7min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
108	1162.63	80.80	Initial Hydro-static
111	75.01	81.26	Open To Flow (1)
126	113.48	83.48	Shut-In(1)
157	822.42	84.67	End Shut-In(1)
158	124.67	84.70	Open To Flow (2)
187	145.66	86.86	Shut-In(2)
218	786.43	87.32	End Shut-In(2)
222	1151.19	87.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	muddy water 40% mud 60% water RW.11@61F	1.60

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lebsack Oil Prod Inc

Spangenberg-Gatton #

P O Box 489
Hays KS 67601-0489

15-21s-10w Rice KS

Job Ticket: 14319

DST#: 1

ATTN: Wayne Lebsack

Test Start: 2001.04.04 @ 14:45:00

Tool Information

Drill Pipe:	Length: 2266.00 ft	Diameter: 3.80 inches	Volume: 31.79 bbl	Tool Weight: 2800.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight set on Packer: 25000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
Drill Pipe Above KB:	28.00 ft			Tool Chased 5.00 ft
Depth to Top Packer:	2501.00 ft			String Weight: Initial 46000.00 lb
Depth to Bottom Packer:	ft			Final 48000.00 lb
Interval between Packers:	ft			
Tool Length:	62.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2479.00	
S.I. Tool	5.00			2484.00	
HYD S.I. Tool	5.00			2489.00	
Jars	5.00			2494.00	
Safety Joint	2.00			2496.00	
Packer	5.00			2501.00	23.00 Bottom Of Top Packer
Packer	5.00			2506.00	
Stubb	1.00			2507.00	
Recorder	0.01	3024	Inside	2507.01	
Perforations	4.00			2511.01	
Recorder	0.01	11085	Outside	2511.02	
Perforations	26.00			2537.02	
Bullnose	3.00			2540.02	39.02 Bottom Packers & Anchor

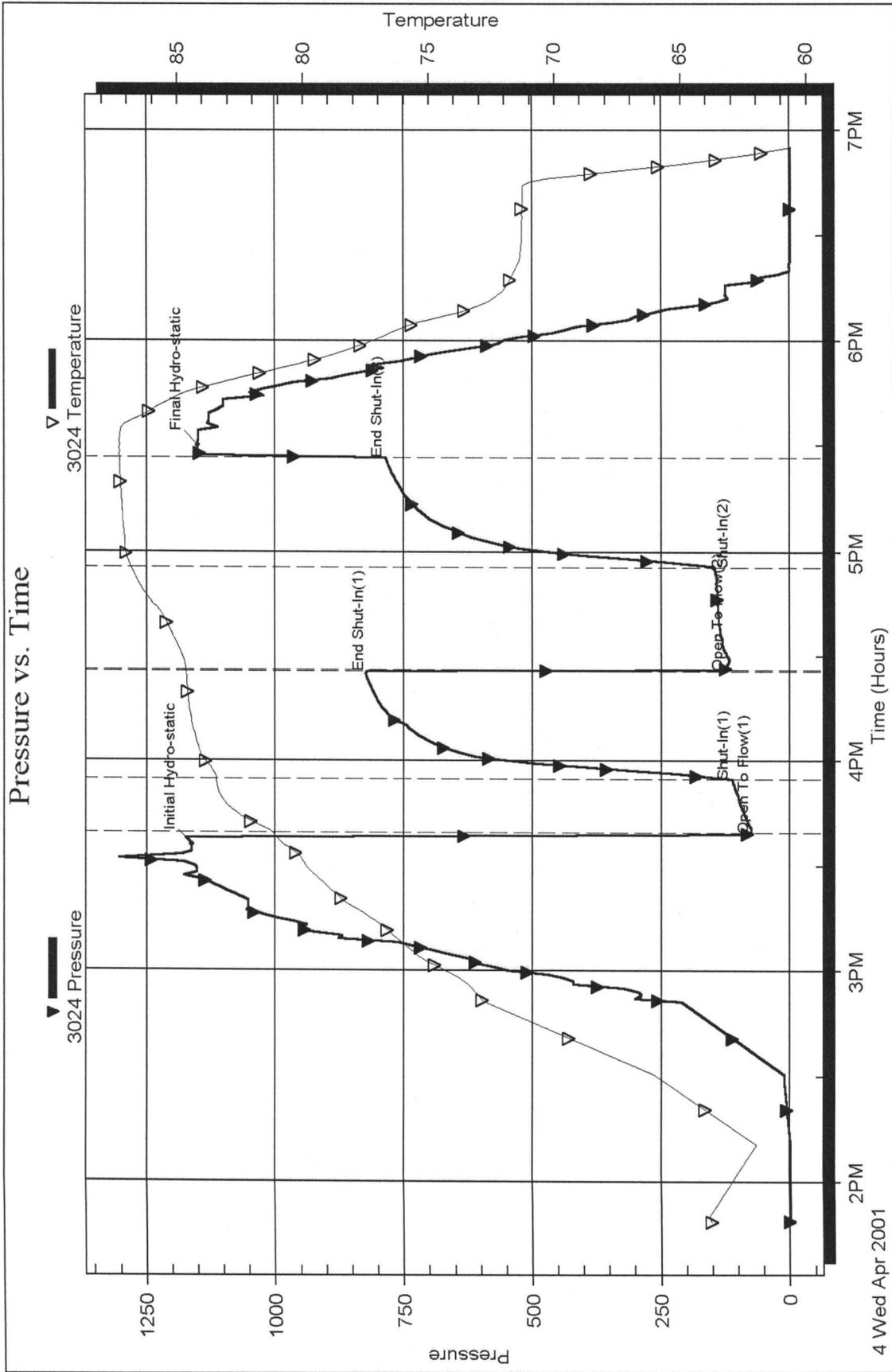
Total Tool Length: 62.02

Serial #: 3024

Inside

Lebsack Oil Prod Inc

15-21s-10w Rice KS





DRILL STEM TEST REPORT

Prepared For: **Lebsack Oil Prod Inc**

P O Box 489
Hays KS 67601-0489

ATTN: Wayne Lebsack

15-21s-10w Rice KS

Spangenberg-Gatton #

Start Date: 2001.04.06 @ 02:20:00

End Date: 2001.04.06 @ 06:11:00

Job Ticket #: 14320 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lebsack Oil Prod Inc

P O Box 489
Hays KS 67601-0489

ATTN: Wayne Lebsack

Spangenberg-Gatton #

15-21s-10w Rice KS

Job Ticket: 14320

DST#: 2

Test Start: 2001.04.06 @ 02:20:00

GENERAL INFORMATION:

Formation: **LCK**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:14:22

Time Test Ended: 06:11:00

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: **3050.00 ft (KB) To 3075.00 ft (KB) (TVD)**

Total Depth: 2540.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 1719.00 ft (KB)

1709.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 3024 Inside

Press@RunDepth: 20.18 psig @ 3051.01 ft (KB)

Start Date: 2001.04.06

End Date: 2001.04.06

Start Time: 01:21:53

End Time: 06:50:52

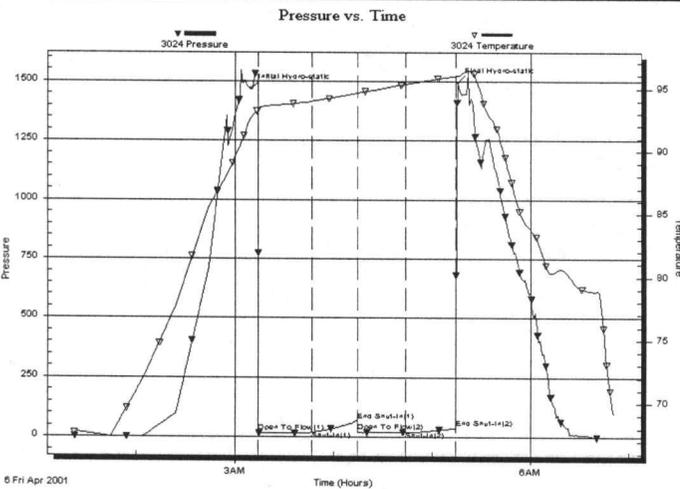
Capacity: 7000.00 psig

Last Calib.: 2001.04.06

Time On Btm: 2001.04.06 @ 03:09:52

Time Off Btm: 2001.04.06 @ 05:15:52

TEST COMMENT: times 30-30-30-30 IFP-w eak suface blow
FFP-no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
108	1468.72	92.71	Initial Hydro-static
113	16.51	93.39	Open To Flow (1)
145	19.95	94.01	Shut-In(1)
173	67.14	94.67	End Shut-In(1)
173	19.55	94.68	Open To Flow (2)
202	20.18	95.36	Shut-In(2)
233	38.80	95.99	End Shut-In(2)
234	1494.12	95.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w/ show of oil	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lebsack Oil Prod Inc

Spangenberg-Gatton #

P O Box 489
Hays KS 67601-0489

15-21s-10w Rice KS

Job Ticket: 14320

DST#: 2

ATTN: Wayne Lebsack

Test Start: 2001.04.06 @ 02:20:00

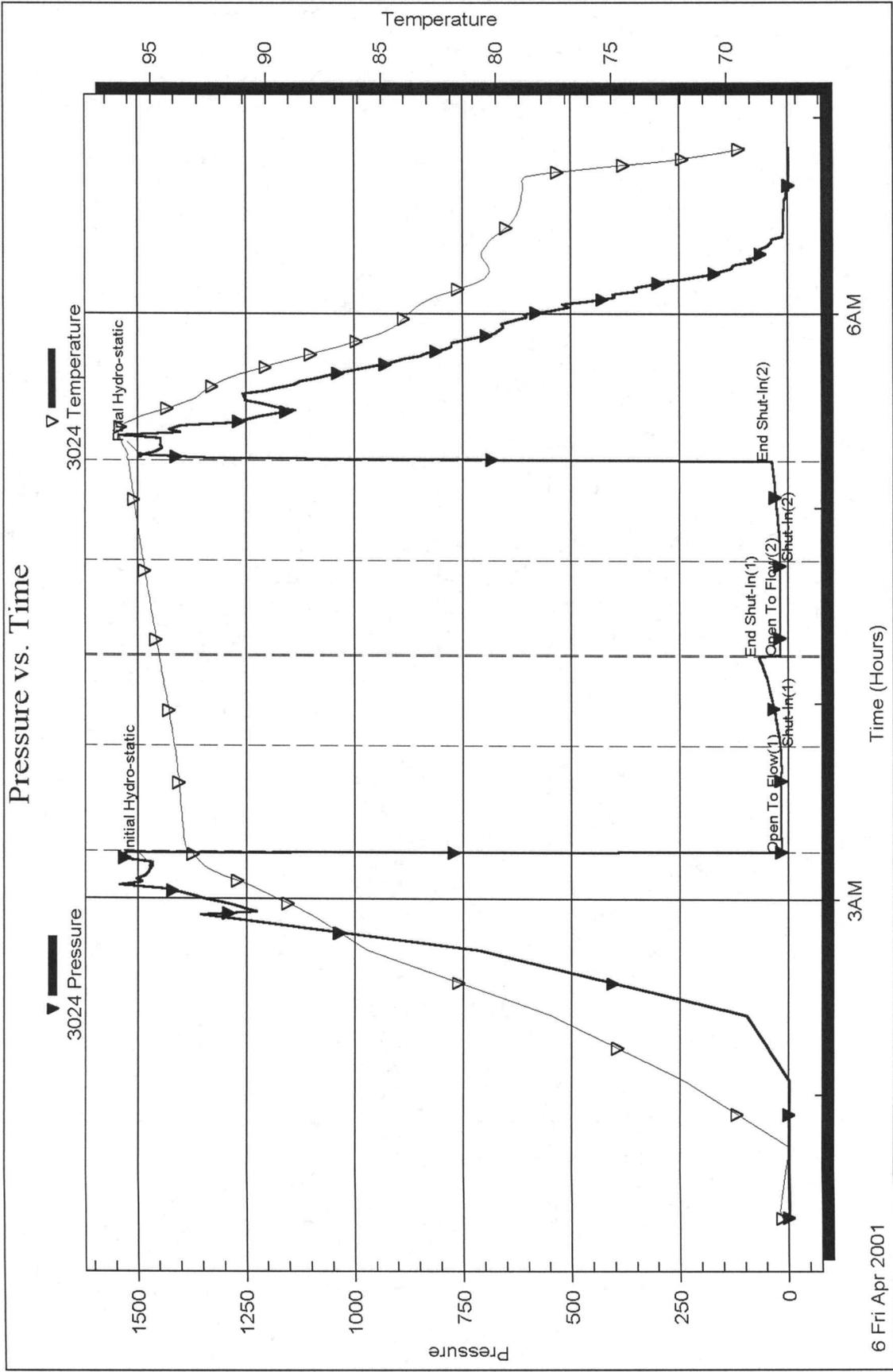
Tool Information

Drill Pipe:	Length: 2791.00 ft	Diameter: 3.80 inches	Volume: 39.15 bbl	Tool Weight: 2800.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight set on Packer: 25000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
Drill Pipe Above KB:	9.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	3045.00 ft			String Weight: Initial 48000.00 lb
Depth to Bottom Packer:	ft			Final 48000.00 lb
Interval between Packers:	ft			
Tool Length:	53.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3023.00	
S.I. Tool	5.00			3028.00	
HYD S.I. Tool	5.00			3033.00	
Jars	5.00			3038.00	
Safety Joint	2.00			3040.00	
Packer	5.00			3045.00	23.00 Bottom Of Top Packer
Packer	5.00			3050.00	
Stubb	1.00			3051.00	
Recorder	0.01	3024	Inside	3051.01	
Perforations	21.00			3072.01	
Recorder	0.01	11085	Outside	3072.02	
Bullnose	3.00			3075.02	30.02 Bottom Packers & Anchor

Total Tool Length: 53.02





DRILL STEM TEST REPORT

Prepared For: **Lebsack Oil Prod Inc**

P O Box 489
Hays KS 67601-0489

ATTN: Wayne Lebsack

15-21s-10w Rice KS

Spangenberg-Gatton #

Start Date: 2001.04.06 @ 23:34:00

End Date: 2001.04.07 @ 02:15:00

Job Ticket #: 14321 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lebsack Oil Prod Inc
P O Box 489
Hays KS 67601-0489
ATTN: Wayne Lebsack

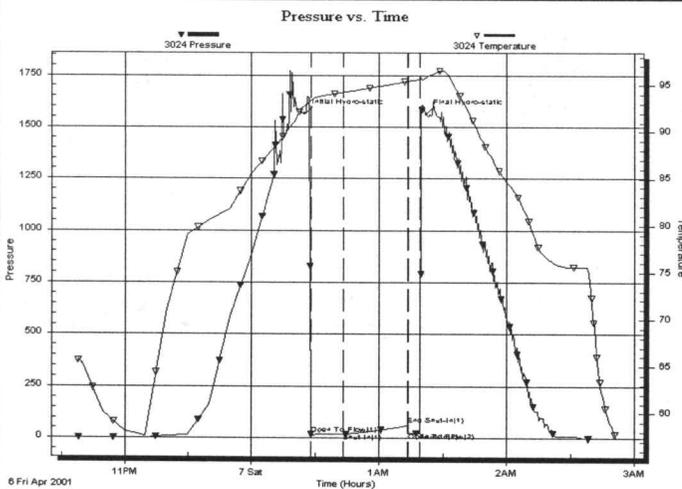
Spangenberg-Gatton #
15-21s-10w Rice KS
Job Ticket: 14321 **DST#: 3**
Test Start: 2001.04.06 @ 23:34:00

GENERAL INFORMATION:

Formation: **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:27:35
Time Test Ended: 02:15:00
Interval: **3220.00 ft (KB) To 3240.00 ft (KB) (TVD)**
Total Depth: 2540.00 ft (KB)
Hole Diameter: 7.78 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 16
Reference Elevations: 1719.00 ft (KB)
1709.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 3024 Inside
Press@RunDepth: 20.35 psig @ 3221.01 ft (KB) Capacity: 7000.00 psig
Start Date: 2001.04.06 End Date: 2001.04.07 Last Calib.: 2001.04.07
Start Time: 22:37:36 End Time: 02:51:35 Time On Btm: 2001.04.07 @ 00:25:05
Time Off Btm: 2001.04.07 @ 01:22:05

TEST COMMENT: times 15-30-5 IFP-w k surface bl died in 10min
FFP-no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
108	1564.35	92.87	Initial Hydro-static
110	16.19	93.37	Open To Flow (1)
126	20.35	94.26	Shut-In(1)
156	60.13	95.42	End Shut-In(1)
156	24.82	95.44	Open To Flow (2)
162	23.22	95.65	Shut-In(2)
165	1562.19	95.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w/ show of oil	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lebsack Oil Prod Inc

Spangenberg-Gatton #

P O Box 489
Hays KS 67601-0489

15-21s-10w Rice KS

Job Ticket: 14321

DST#: 3

ATTN: Wayne Lebsack

Test Start: 2001.04.06 @ 23:34:00

Tool Information

Drill Pipe:	Length: 2975.00 ft	Diameter: 3.80 inches	Volume: 41.73 bbl	Tool Weight: 2800.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight set on Packer: 25000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
Drill Pipe Above KB:	23.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	3215.00 ft			String Weight: Initial 49000.00 lb
Depth to Bottom Packer:	ft			Final 49000.00 lb
Interval between Packers:	ft			
Tool Length:	48.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3193.00	
S.I. Tool	5.00			3198.00	
HYD S.I. Tool	5.00			3203.00	
Jars	5.00			3208.00	
Safety Joint	2.00			3210.00	
Packer	5.00			3215.00	23.00 Bottom Of Top Packer
Packer	5.00			3220.00	
Stubb	1.00			3221.00	
Recorder	0.01	3024	Inside	3221.01	
Perforations	15.00			3236.01	
Recorder	0.01	11085	Outside	3236.02	
Perforations	1.00			3237.02	
Bullnose	3.00			3240.02	25.02 Bottom Packers & Anchor

Total Tool Length: 48.02

Serial #: 3024

Inside

Lebsack Oil Prod Inc

15-21s-10w Rice KS

