

15-055-21810



DRILL STEM TEST REPORT

Prepared For: **Schofield Oil**

500 Martin Lane
Evansville, IN 47715

ATTN: Scott Robinson

33-22S-31W Finney KS

Lewis-Harrington # 1

Start Date: 2003.08.12 @ 06:03:16

End Date: 2003.08.12 @ 12:01:31

Job Ticket #: 17367 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

Schofield Oil
500 Martin Lane
Evansville, IN 47715

ATTN: Scott Robinson

Lewis-Harrington # 1

33-22S-31W Finney KS

Job Ticket: 17367

DST#: 1

Test Start: 2003.08.12 @ 06:03:16

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:12:31

Time Test Ended: 12:01:31

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **4801.00 ft (KB) To 4852.00 ft (KB) (TVD)**

Total Depth: 4852.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2912.00 ft (KB)

2907.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3227

Inside

Press@RunDepth: 31.12 psig @ 4805.01 ft (KB)

Start Date: 2003.08.12

End Date:

2003.08.12

Capacity: 7000.00 psig

Last Calib.: 2003.08.12

Start Time: 06:03:17

End Time:

12:01:31

Time On Btm: 2003.08.12 @ 08:12:01

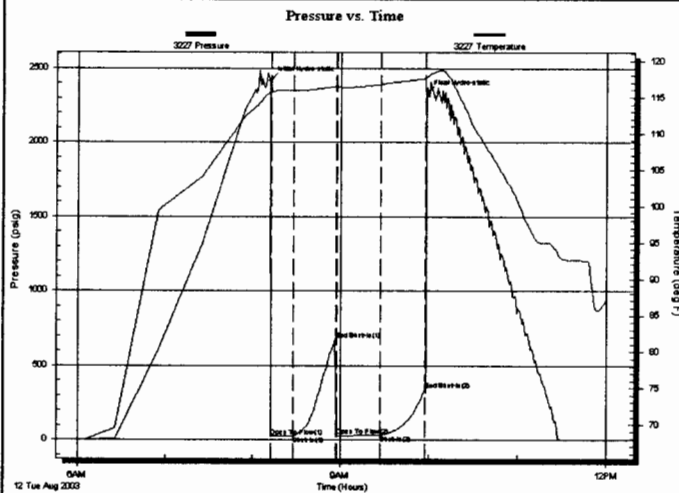
Time Off Btm: 2003.08.12 @ 09:58:31

TEST COMMENT: F-Weak Dead in 13 min.

ISI-Dead

FF-Dead

FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2416.09	115.78	Initial Hydro-static
1	23.87	115.65	Open To Flow (1)
16	27.16	115.90	Shut-In(1)
45	674.94	116.49	End Shut-In(1)
46	28.10	116.45	Open To Flow (2)
76	31.12	116.80	Shut-In(2)
106	339.78	117.59	End Shut-In(2)
107	2328.15	117.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Schofield Oil

Lewis-Harrington # 1

500 Martin Lane
Evansville, IN 47715

33-22S-31W Finney KS

Job Ticket: 17367

DST#: 1

ATTN: Scott Robinson

Test Start: 2003.08.12 @ 06:03:16

Tool Information

Drill Pipe:	Length: 4642.00 ft	Diameter: 3.80 inches	Volume: 65.12 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 144.00 ft	Diameter: 2.25 inches	Volume: 0.71 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume:	65.83 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4801.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.02 ft			
Tool Length:	78.02 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			4775.00	
S.I. Tool	5.00			4780.00	
HMV	5.00			4785.00	
Jars	5.00			4790.00	
Safety Joint	2.00			4792.00	
Packer	4.00			4796.00	27.00 Bottom Of Top Packer
Packer	5.00			4801.00	
Stubb	1.00			4802.00	
Perforations	2.00			4804.00	
C.O. Sub	1.00			4805.00	
Recorder	0.01	3227	Inside	4805.01	
Blank Spacing	30.00			4835.01	
C.O. Sub	1.00			4836.01	
Perforations	13.00			4849.01	
Recorder	0.01	13308	Outside	4849.02	
Bullnose	3.00			4852.02	51.02 Bottom Packers & Anchor
Total Tool Length:		78.02			



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FLUID SUMMARY

Schofield Oil

Lewis-Harrington # 1

500 Martin Lane
Evansville, IN 47715

33-22S-31W Finney KS

Job Ticket: 17367

DST#: 1

ATTN: Scott Robinson

Test Start: 2003.08.12 @ 06:03:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

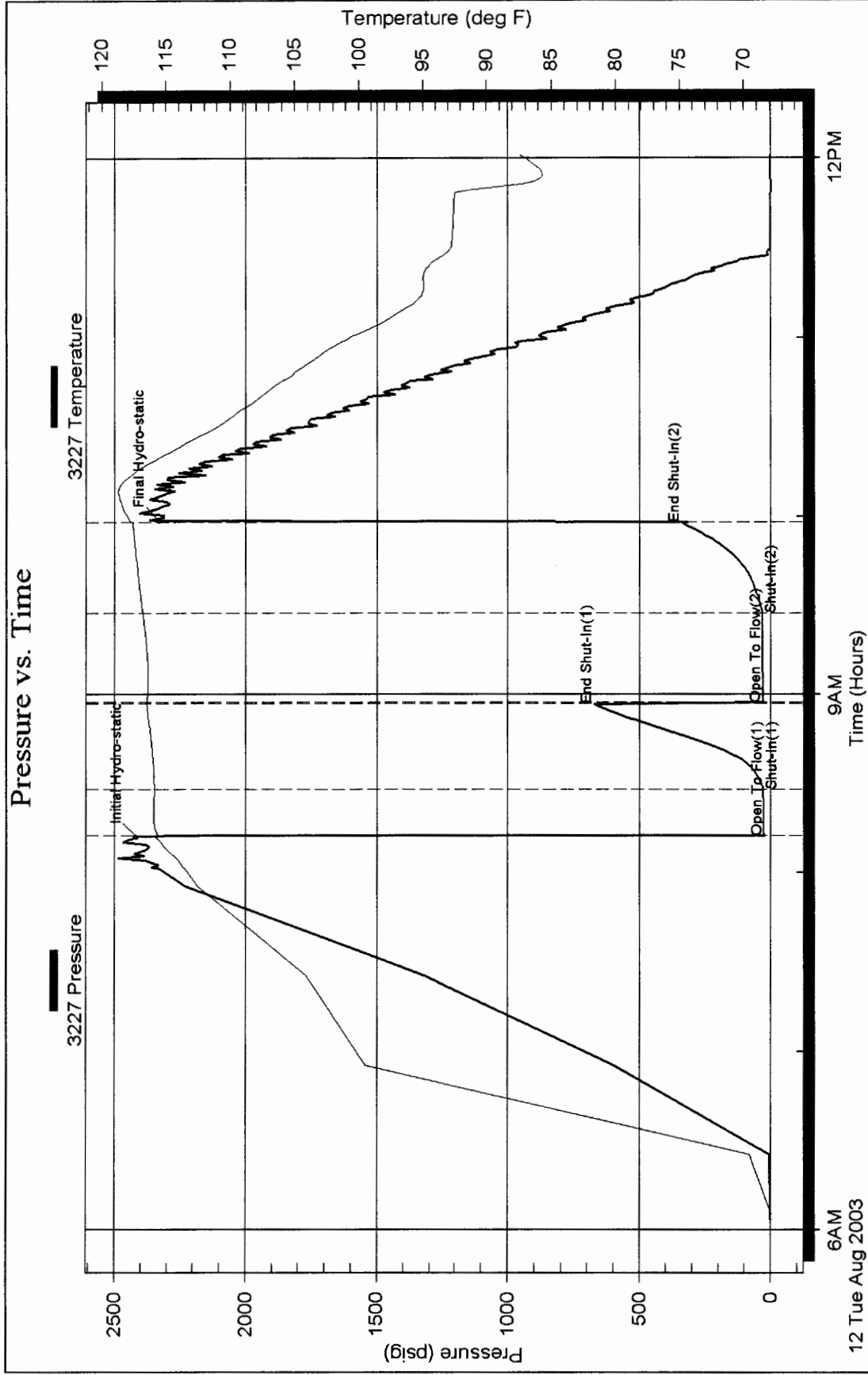
Serial #: 3227

Inside

Schofield Oil

33-22S-31W Finney KS

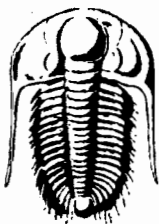
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 17367

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INW #5752

No 17367

12/02

Test Ticket

Well Name & No. <u>LEWIS-HARRINGTON #1</u>	Test No. <u>#1</u>	Date <u>8-12-03</u>
Company <u>MURFIN-SCHOFIELD OIL</u>	Zone Tested <u>MORROW SAND</u>	
Address <u>250 N. WATER, SUITE #300 WICHITA, KS, 67202</u>	Elevation <u>2912</u> KB <u>2907</u> GL	
Co. Rep / Geo. <u>RICK HALL</u>	Cont. <u>MURFIN #16</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>33</u> Twp. <u>22 S</u> Rge. <u>31 W</u> Co. <u>FINNEY</u> State <u>KS</u>		
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4801 To 4852</u>	Initial Str Wt./Lbs. <u>78,000</u>	Unseated Str Wt./Lbs. <u>78,000</u>
Anchor Length <u>51'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>90,000</u>
Top Packer Depth <u>4796</u>	Tool Weight <u>3500</u>	
Bottom Packer Depth <u>4801</u>	Hole Size 7 7/8" <u>✓</u>	Rubber Size 6 3/4" <u>✓</u>
Total Depth <u>4852</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>144'</u>
Mud Wt. <u>9.5</u> LCM <u>1#</u> Vis. <u>53</u> WL <u>8.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4642</u>
Blow Description <u>IF-WEAK DEAD IN 13-MIN IST-DEAD</u>		
<u>FF-DEAD</u> <u>FST-DEAD</u>		

Recovery - Total Feet <u>5'</u>	GIP <u>—</u>	Ft. in DC <u>5'</u>	Ft. in DP <u>0</u>
Rec. <u>5</u>	Feet of <u>DRILLING MUD</u>		
Rec. _____	Feet of _____		
Rec. _____	Feet of _____		
Rec. _____	Feet of _____		
Rec. _____	Feet of _____		
BHT <u>117</u>	'F Gravity <u>—</u>	'API D @ <u>—</u>	'F Corrected Gravity <u>—</u>
RW <u>—</u>	@ <u>—</u>	'F Chlorides <u>—</u> ppm	Recovery <u>—</u> Chlorides <u>800</u> ppm System

(A) Initial Hydrostatic Mud <u>2416</u> PSI	Recorder No. <u>3227</u>	Test <u>B. HOLE</u> <u>800</u>
(B) First Initial Flow Pressure <u>23</u> PSI	(depth) <u>4805</u>	Elec. Rec. <u>✓</u> <u>150</u>
(C) First Final Flow Pressure <u>27</u> PSI	Recorder No. <u>13308</u>	Jars <u>✓</u> <u>200</u>
(D) Initial Shut-In Pressure <u>674</u> PSI	(depth) <u>4849</u>	Safety Jt. <u>✓</u> <u>50</u>
(E) Second Initial Flow Pressure <u>28</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure <u>31</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure <u>339</u> PSI	Initial Opening <u>15</u>	Straddle _____
(Q) Final Hydrostatic Mud <u>2328</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
	Final Flow <u>30</u>	Shale Packer _____
	Final Shut-In <u>30</u>	Mileage <u>38</u> ? <u>38</u>
	T-On Location <u>04:45</u>	Sub Total: <u>1238</u>
	T-Started <u>06:03</u>	Std. By _____
	T-Open <u>08:12</u>	Other _____
	T-Pulled <u>09:58</u>	Total: _____
	T-Out <u>12:01</u>	

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Approved By [Signature]

Our Representative John J. Schmidt

CHART PAGE

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

