

TRILOBITE
TESTING, INC.

KCC
JUL 26 2007
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 Waterfront Pkwy Bldg 500
Wichita KS 67206

ATTN:

20 30 23 Clark KS 15-025-21407-00-00

Pittman #1

Start Date: 2007.04.14 @ 10:30:26

End Date: 2007.04.14 @ 18:16:56

Job Ticket #: 24496 DST #: 1

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CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Vess Oil Corporation

Pittman #1

20 30 23 Clark KS

DST # 1

Miss

2007.04.14



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Vess Oil Corporation

1700 Waterfront Pkwy Bldg 500
Wichita KS 67206

ATTN:

Pittman #1

20 30 23 Clark KS

Job Ticket: 24496

DST#: 1

Test Start: 2007.04.14 @ 10:30:26

GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 13:11:56

Time Test Ended: 18:16:56

Test Type: **Conventional Bottom Hole**

Tester: **Harley Davidson**

Unit No: **33**

Interval: **5439.00 ft (KB) To 5458.00 ft (KB) (TVD)**

Total Depth: **5458.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Reference Elevations: **2516.00 ft (KB)**

2504.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: 6751 **Inside**

Press@RunDepth: **psig @ 5441.00 ft (KB)**

Start Date: **2007.04.14**

End Date:

2007.04.14

Start Time: **10:30:27**

End Time:

18:16:56

Capacity: **7000.00 psig**

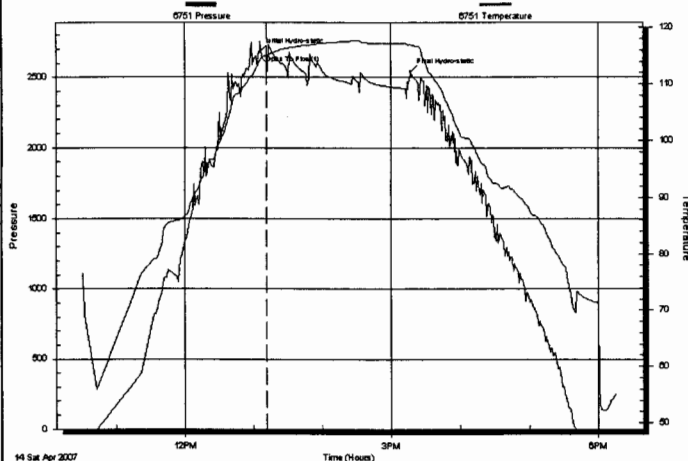
Last Calib.: **1899.12.30**

Time On Btm: **2007.04.14 @ 13:05:26**

Time Off Btm: **2007.04.14 @ 15:17:26**

TEST COMMENT: IF Very few surface bubbles Tried flushing tool two times.
ISI No blow back
FF After 10 min. of no blow we pulled tool.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2676.77	114.20	Initial Hydro-static
7	2599.00	115.01	Open To Flow (1)
132	2537.36	116.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%Mud	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corporation

Pittman #1

1700 Waterfront Pkwy Bldg 500
Wichita KS 67206

20 30 23 Clark KS

Job Ticket: 24496

DST#: 1

ATTN:

Test Start: 2007.04.14 @ 10:30:26

Tool Information

Drill Pipe:	Length: 5431.00 ft	Diameter: 3.80 inches	Volume: 76.18 bbl	Tool Weight:	2000.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb	
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb	
			Total Volume:	76.18 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	65000.00 lb	
Depth to Top Packer:	5439.00 ft			Final	65000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	19.00 ft					
Tool Length:	47.00 ft					
Number of Packers:	2	Diameter:	6.75 inches			
Tool Comments:						

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5412.00	
Shut In Tool	5.00			5417.00	
Hydraulic tool	5.00			5422.00	
Jars	5.00			5427.00	
Safety Joint	3.00			5430.00	
Packer	5.00			5435.00	28.00 Bottom Of Top Packer
Packer	4.00			5439.00	
Stubb	1.00			5440.00	
Perforations	1.00			5441.00	
Recorder	0.00	6751	Inside	5441.00	
Perforations	13.00			5454.00	
Recorder	0.00	11018	Inside	5454.00	
Bullnose	4.00			5458.00	19.00 Bottom Packers & Anchor

Total Tool Length: 47.00

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation

Pittman #1

1700 Waterfront Pkwy Bldg 500
Wichita KS 67206

20 30 23 Clark KS

Job Ticket: 24496

DST#: 1

ATTN:

Test Start: 2007.04.14 @ 10:30:26

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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100%Mud	0.421

Total Length: 30.00 ft

Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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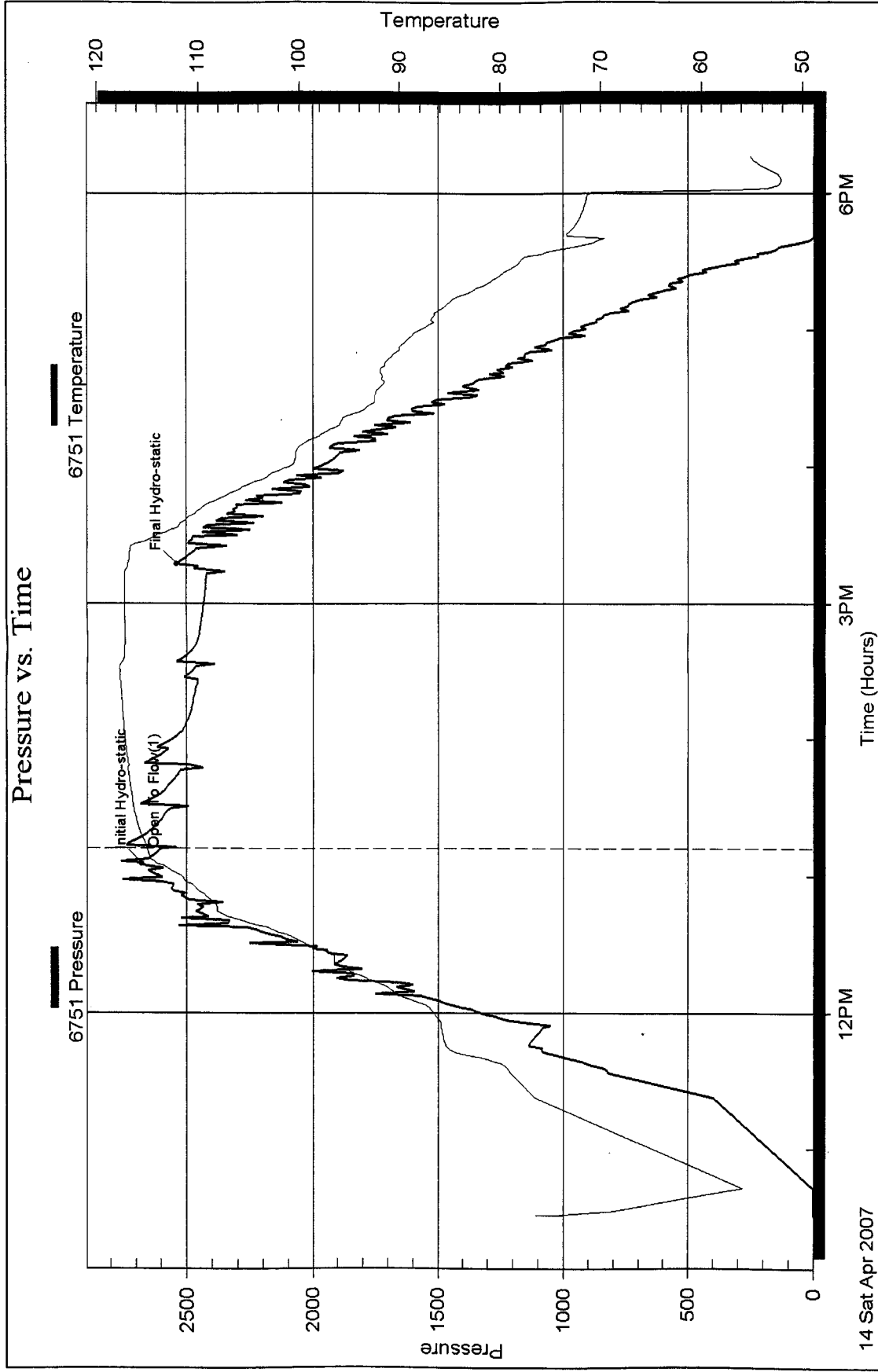
Serial #: 6751

Inside

Vess Oil Corporation

20 30 23 Clark KS

DST Test Number: 1



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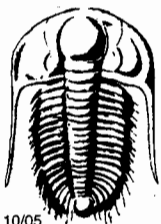
Trilobite Testing, Inc

Ref. No: 24496

Printed: 2007.04.18 @ 11:35:06 Page 5

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WICHITA, KS



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P.O. Box 362 • Hays, Kansas 67601

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24496 ✓

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CONSERVATION DIVISION
WICHITA, KS

Test Ticket

Well Name & No. Pittman #1 Test No. 1 Date 4/14/07
 Company Vess Oil Corp Zone Tested _____
 Address 1700 Waterfront Parkway, Bldg 500 Wichita KS 67206 Elevation 2516 KB 2504 GL _____
 Co. Rep / Geo. _____ Rig Ual #2
 Location: Sec. 20 Twp. 30 Rge. 23 Co. Clark State KS
 Comment: _____ Release date / time: _____

Interval Tested 5439 - 5458 Initial Str Wt./Lbs. 65K Unseated Str Wt./Lbs. 65K
 Anchor Length 19 Wt. Set Lbs. 25K Wt. Pulled Loose/Lbs. 70K
 Top Packer Depth 5434 Tool Weight 2000
 Bottom Packer Depth 5439 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5458 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.1 LCM 3 Vis. 54 WL 8-8 Drill Pipe Size 4.5 x # Ft. Run 5431
 Blow Description IF - Very few surface bubbles, polished tool 2 times.
ISI - No blow back
FF - Pulled tool after 10 min of no blow.
ISI

Recovery - Total Feet 30 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 30 Feet of _____ %gas _____ %oil _____ %water 100 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of MISS %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of RUN %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT _____ °F Gravity _____ API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		<u>2677</u>	PSI	Recorder No.	<u>6751</u>	Test <u>1300</u> ^{cc} <u>11.35</u>
(B) First Initial Flow Pressure			PSI	(depth)	<u>5439</u>	Jars <u>2500</u> ^{cc} <u>10.15</u>
(C) First Final Flow Pressure			PSI	Recorder No.	<u>11018</u>	Safety Jt. <u>7500</u>
(D) Initial Shut-In Pressure			PSI	(depth)	<u>3458</u>	Circ Sub _____
(E) Second Initial Flow Pressure			PSI	Recorder No.		Sampler _____
(F) Second Final Flow Pressure			PSI	(depth)		Straddle _____
(G) Final Shut-In Pressure			PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2537</u>	PSI	Initial Shut-In	<u>30</u>	Shale Packer _____
				Final Flow	<u>10</u>	Ruined Packer _____
				Final Shut-In	<u>Pulled tool</u>	Mileage <u>94</u> <u>117.50</u>
				T-On Location	<u>600 AM 06:00</u>	Sub Total: _____
				T-Started	<u>1030 AM 10:30</u>	Std. By <u>2hr</u> <u>200</u>
				T-Open	<u>115 PM 13:15</u>	Acc. Chg: _____
				T-Pulled	<u>230 PM 14:30</u>	Other: _____
				T-Out	<u>600 PM 18:00</u>	Total: <u>11742.50</u>

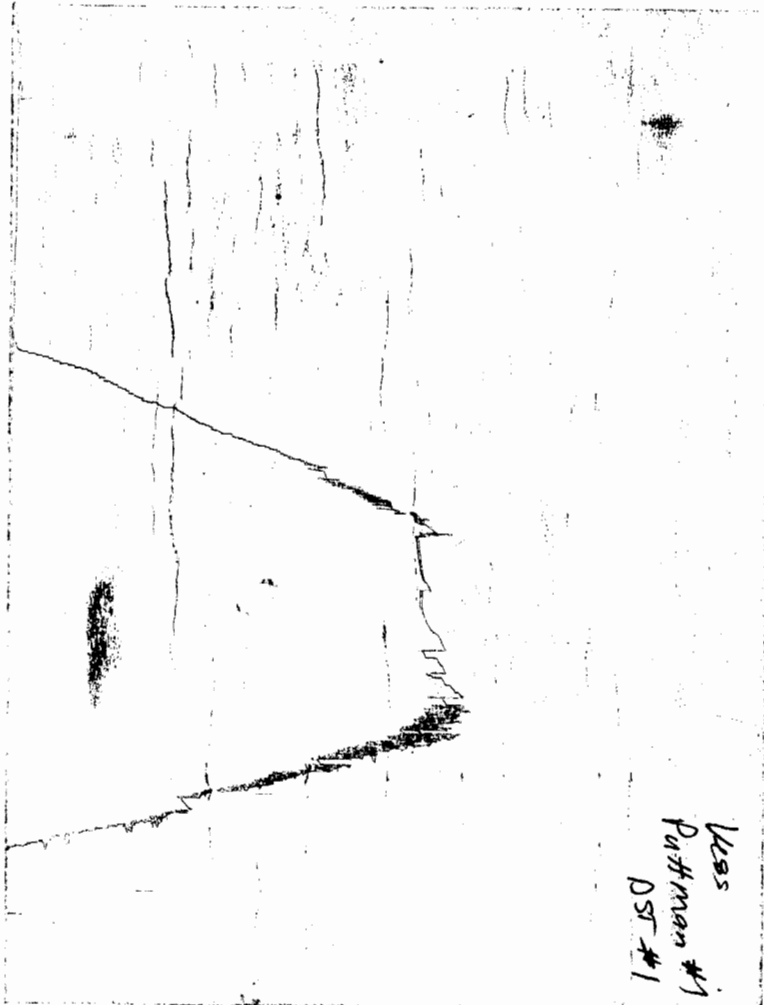
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Approved By Paul Ramondetto

Our Representative Barley

CHART PAGE

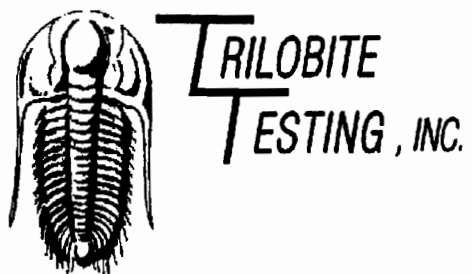
This is a photocopy of the actual AK-1 recorder chart.



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WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corporation**

1700 Waterfront Pkwy Bldg 500
Wichita KS 67206

ATTN:

20 30 23 Clark KS

Pittman #1

Start Date: 2007.04.15 @ 05:02:54

End Date: 2007.04.15 @ 17:36:09

Job Ticket #: 24497 DST #: 2

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

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WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vess Oil Corporation

Pittman #1

1700 Waterfront Pkwy Bldg 500
Wichita KS 67206

20 30 23 Clark KS

Job Ticket: 24497

DST#: 2

ATTN:

Test Start: 2007.04.15 @ 05:02:54

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:20:09

Time Test Ended: 17:36:09

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **5439.00 ft (KB) To 5458.00 ft (KB) (TVD)**

Total Depth: 5458.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2516.00 ft (KB)

2504.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6751

Inside

Press@RunDepth: 1244.75 psig @ 5441.00 ft (KB)

Start Date: 2007.04.15

End Date: 2007.04.15

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

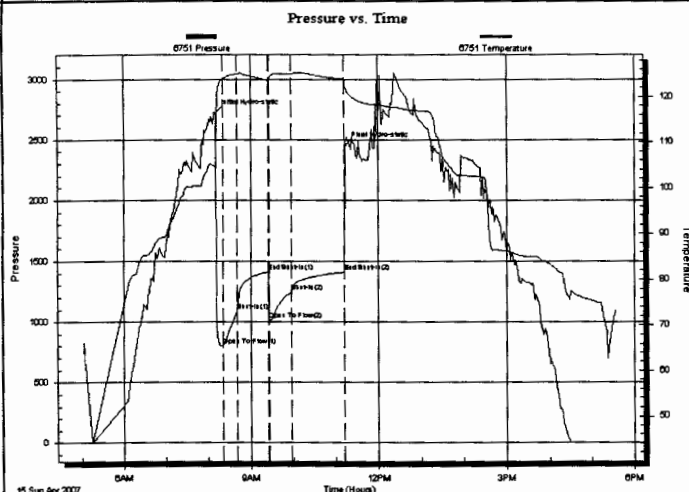
Start Time: 05:02:55

End Time: 17:36:09

Time On Btm: 2007.04.15 @ 08:09:54

Time Off Btm: 2007.04.15 @ 11:13:24

TEST COMMENT: IF BOB ASAO GTS 5 min.
ISI BOB blow back Oil to surface.
FF Blow condensate into pit.
FSI BOB blow back Blow condensate into pit.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2718.90	104.81	Initial Hydro-static
11	806.87	123.92	Open To Flow (1)
32	1090.35	124.98	Shut-In(1)
75	1413.18	123.66	End Shut-In(1)
77	1017.85	123.85	Open To Flow (2)
108	1244.75	125.03	Shut-In(2)
183	1412.38	123.87	End Shut-In(2)
184	2451.04	123.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5300.00	50%Gas 50%O condensate.	74.35

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	20.00	54.57
Last Gas Rate	0.25	65.00	125.96
Max. Gas Rate	0.25	65.00	125.96

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TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corporation

Pittman #1

1700 Waterfront Pkwy Bldg 500
Wichita KS 67206

20 30 23 Clark KS

Job Ticket: 24497

DST#: 2

ATTN:

Test Start: 2007.04.15 @ 05:02:54

Tool Information

Drill Pipe:	Length: 5431.00 ft	Diameter: 3.80 inches	Volume: 76.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 86000.00 lb
			Total Volume: 76.18 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 6000.00 lb
Depth to Top Packer:	5439.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			5412.00	
Shut In Tool	5.00			5417.00	
Hydraulic tool	5.00			5422.00	
Jars	5.00			5427.00	
Safety Joint	3.00			5430.00	
Packer	5.00			5435.00	28.00 Bottom Of Top Packer
Packer	4.00			5439.00	
Stubb	1.00			5440.00	
Perforations	1.00			5441.00	
Recorder	0.00	6751	Inside	5441.00	
Perforations	13.00			5454.00	
Recorder	0.00	11018	Inside	5454.00	
Bullnose	4.00			5458.00	19.00 Bottom Packers & Anchor

Total Tool Length: 47.00

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WICHITA, KS



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DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corporation

Pittman #1

1700 Waterfront Pkwy Bldg 500
Wichita KS 67206

20 30 23 Clark KS

Job Ticket: 24497

DST#: 2

ATTN:

Test Start: 2007.04.15 @ 05:02:54

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:

ppm

Viscosity: 85.00 sec/qt

Cushion Volume:

bbl

Water Loss: 13.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5300.00	50%Gas 50%O condensate.	74.345

Total Length: 5300.00 ft

Total Volume: 74.345 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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WICHITA, KS



**TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

Vess Oil Corporation

Pittman #1

1700 Waterfront Pkwy Bldg 500
Wichita KS 67206

20 30 23 Clark KS

Job Ticket: 24497

DST#: 2

ATTN:

Test Start: 2007.04.15 @ 05:02:54

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	20	0.25	20.00	54.57
1	20	0.25	20.00	54.57
1	30	0.25	42.00	89.47
2	10	0.25	15.00	46.64
2	30	0.25	65.00	125.96

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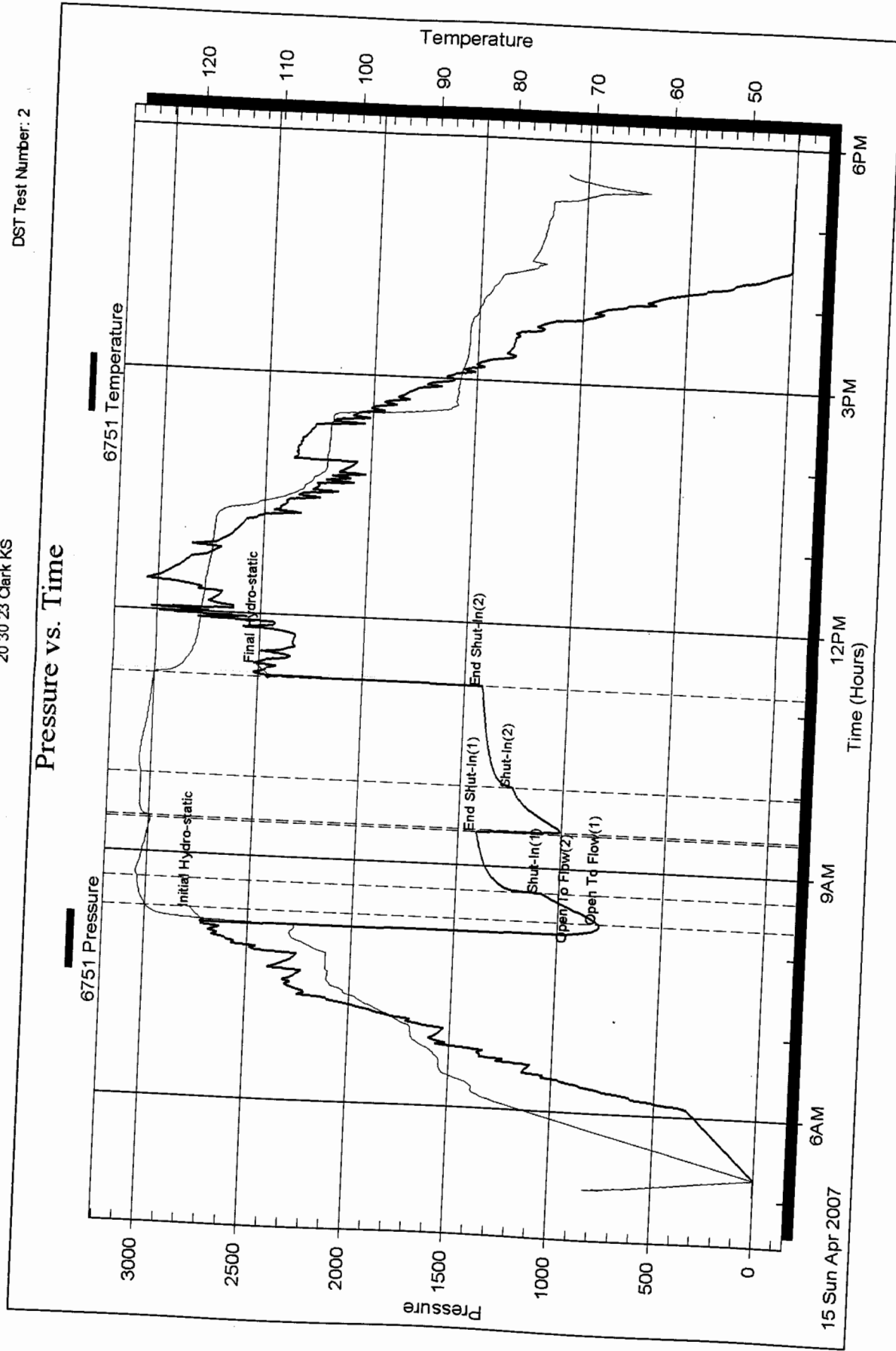
Serial #: 6751

Inside

Vess Oil Corporation

20 30 23 Clark KS

DST Test Number: 2



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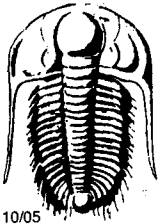
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CONSERVATION DIVISION
WICHITA, KS

No 24497

Test Ticket

Well Name & No. Pittman #1 Test No. 2 Date 4/15/07
 Company Vess Oil Corp Zone Tested MISS
 Address 1700 Waterfront Parkway Bldg 500 Wichita KS 67202 Elevation 2516 KB 2504 GL
 Co. Rep / Geo. Paul Rig Val #2
 Location: Sec. 20 Twp. 30 Rge. 23 Co. Clark State KS
 Comment: No water in bottom sands mud and condensate. Release date / time: _____

Interval Tested 5439 - 5458 Initial Str Wt./Lbs. 60 Unseated Str Wt./Lbs. 86K
 Anchor Length 19 Wt. Set Lbs. 25K Wt. Pulled Loose/Lbs. 86K
 Top Packer Depth 5434 Tool Weight 2K
 Bottom Packer Depth 5439 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5458 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.1 LCM 2 Vis. 85 WL 13.8 Drill Pipe Size 4.5 x H Ft. Run 5431
 Blow Description IF - strong blow BOB ASO GTS 5m.m
ISI - BOB blow back oil to surface
FF - Blow condensate in pit.
ESI - Blow condensate in pit.
 Recovery - Total Feet 5300 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 5300 Feet of 4600 50 %gas 50 %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 _____ °F Gravity 76.4 °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides 9000 ppm System
condensate to 76.4 sat gravity

(A) Initial Hydrostatic Mud 2728 PSI Recorder No. 6751 Test 1300
 (B) First Initial Flow Pressure 807 PSI (depth) 5440 Jars 2500
 (C) First Final Flow Pressure 1090 PSI Recorder No. 11018 Safety Jt. 75
 (D) Initial Shut-In Pressure 1413 PSI (depth) 5458 Circ Sub _____
 (E) Second Initial Flow Pressure 1018 PSI Recorder No. _____ Sampler _____
 (F) Second Final Flow Pressure 1245 PSI (depth) _____ Straddle _____
 (G) Final Shut-In Pressure 1412 PSI Initial Opening 30 Ext. Packer _____
 (Q) Final Hydrostatic Mud 2483 PSI Initial Shut-In 45 Shale Packer 2000
 Final Flow 30 Ruined Packer _____
 Final Shut-In 60 Mileage 94 117.50
 T-On Location 330 Am 3:30 Sub Total: _____
 T-Started 500 Am Std. By 3.5 350
 T-Open 715 Am Acc. Chg: _____
 T-Pulled 1015 Am 1:15 Other: \$2292.50
 T-Out 500 17:00 Total: _____

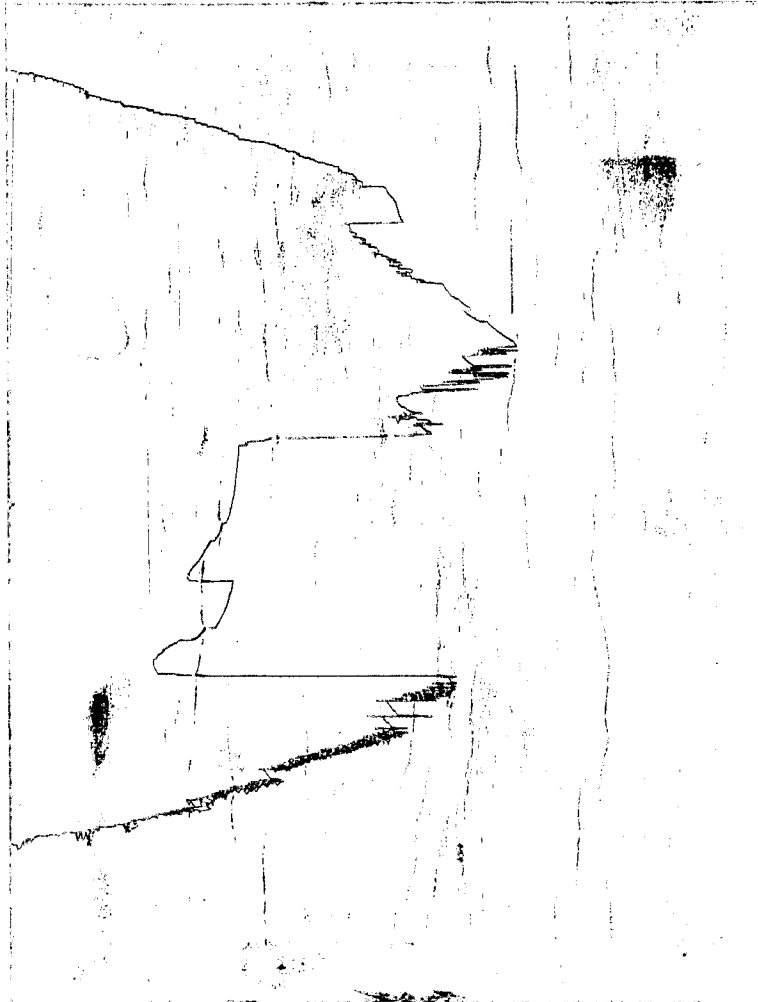
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Approved By Paul Ramondette
 Our Representative Harley Dyer

20-30-23W

CHART PAGE

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



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