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15-095-21853



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Edmiston Oil Company, inc.**

125 N. Market Suite 1130
Wichita, Ks. 67202

ATTN: Max R. Lovely

24-29S-9W

Miller #3

Start Date: 2003.10.25 @ 19:51:58

End Date: 2003.10.26 @ 03:12:43

Job Ticket #: 17123 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Edmiston Oil Company, inc.

Miller #3

125 N. Market Suite 1130
Wichita, Ks. 67202

24-29S-9W

Job Ticket: 17123

DST#: 1

ATTN: Max R. Lovely

Test Start: 2003.10.25 @ 19:51:58

GENERAL INFORMATION:

Formation: **Swope**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 21:47:58
Time Test Ended: 03:12:43

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Test Type: **Conventional Bottom Hole**
Tester: **Darren L. Amerine**
Unit No: **19**

Interval: **3898.00 ft (KB) To 3918.00 ft (KB) (TVD)**
Total Depth: **3918.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1664.00 ft (KB)-**
1659.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: **2346**

Inside

Press@RunDepth: **105.39 psig @ 3900.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2003.10.25**

End Date:

2003.10.26

Last Calib.: **1899.12.30**

Start Time: **19:52:00**

End Time:

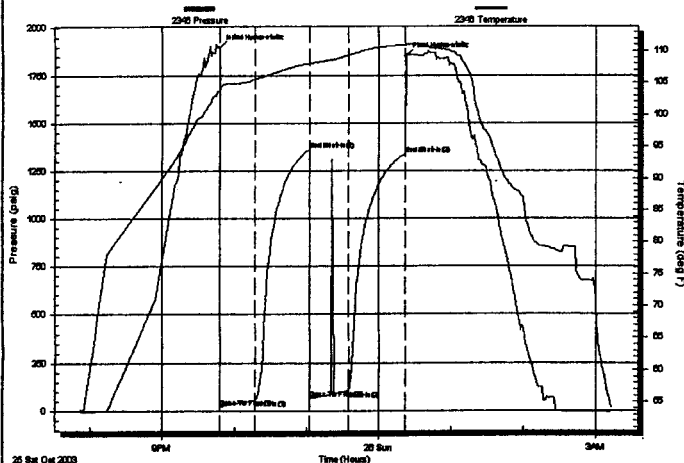
03:12:43

Time On Btmr: **2003.10.25 @ 21:47:43**

Time Off Btmr: **2003.10.26 @ 00:22:28**

TEST COMMENT: **IF: Weak blow built to 5" in H₂O bucket.**
IS: Bled down for 5 mins. no blow back.
FF: Weak blow built to 1/2" in 15 mins. flush tool built back to 1/2"
FS: Bled down for 5 mins. no blow back.

Pressure vs. Time



PRESSURE SUMMARY

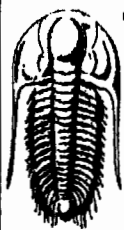
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1894.88	103.85	Initial Hydro-static
1	19.05	103.77	Open To Flow (1)
30	57.04	105.56	Shut-In (1)
75	1360.35	108.01	End Shut-In (1)
75	66.07	107.69	Open To Flow (2)
108	105.39	109.33	Shut-In (2)
155	1336.48	110.94	End Shut-In (2)
155	1848.02	111.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	SOCMW 4% oil 56% water 40% mud	0.61
60.00	SOCWM trace of oil 10% water 90% mud	0.30

Gas Rates

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

TOOL DIAGRAM

Edmiston Oil Company, inc.

Miller #3

125 N. Market Suite 1130
Wichita, Ks. 67202

24-29S-9W

Job Ticket: 17123

DST#: 1

ATTN: Max R. Lovely

Test Start: 2003.10.25 @ 19:51:58

Tool Information

Drill Pipe:	Length: 3628.12 ft	Diameter: 3.80 inches	Volume: 50.89 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: 247.88 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 52.11 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	3898.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3870.00	
Shut In Tool	5.00			3875.00	
Hydraulic tool	5.00			3880.00	
Jars	5.00			3885.00	
Safety Joint	3.00			3888.00	
Packer	5.00			3893.00	29.00 Bottom Of Top Packer
Packer	5.00			3898.00	
Stubb	2.00			3900.00	
Recorder	0.00	2346	Inside	3900.00	
Anchor	15.00			3915.00	
Recorder	0.00	10991	Outside	3915.00	
Bullnose	3.00			3918.00	20.00 Bottom Packers & Anchor

Total Tool Length: 49.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Edmiston Oil Company, inc.

Miller #3

125 N. Market Suite 1130
Wichita, Ks. 67202

24-29S-9W

Job Ticket: 17123

DST#: 1

ATTN: Max R. Lovely

Test Start: 2003.10.25 @ 19:51:58

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.56 in³

Gas Cushion Type:

Resistivity: 1.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	SOCMW 4%oil 56%water 40%mud	0.615
60.00	SOCWM trace of oil 10%water 90%mud	0.295

Total Length: 185.00 ft

Total Volume: 0.910 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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Serial #: 2346

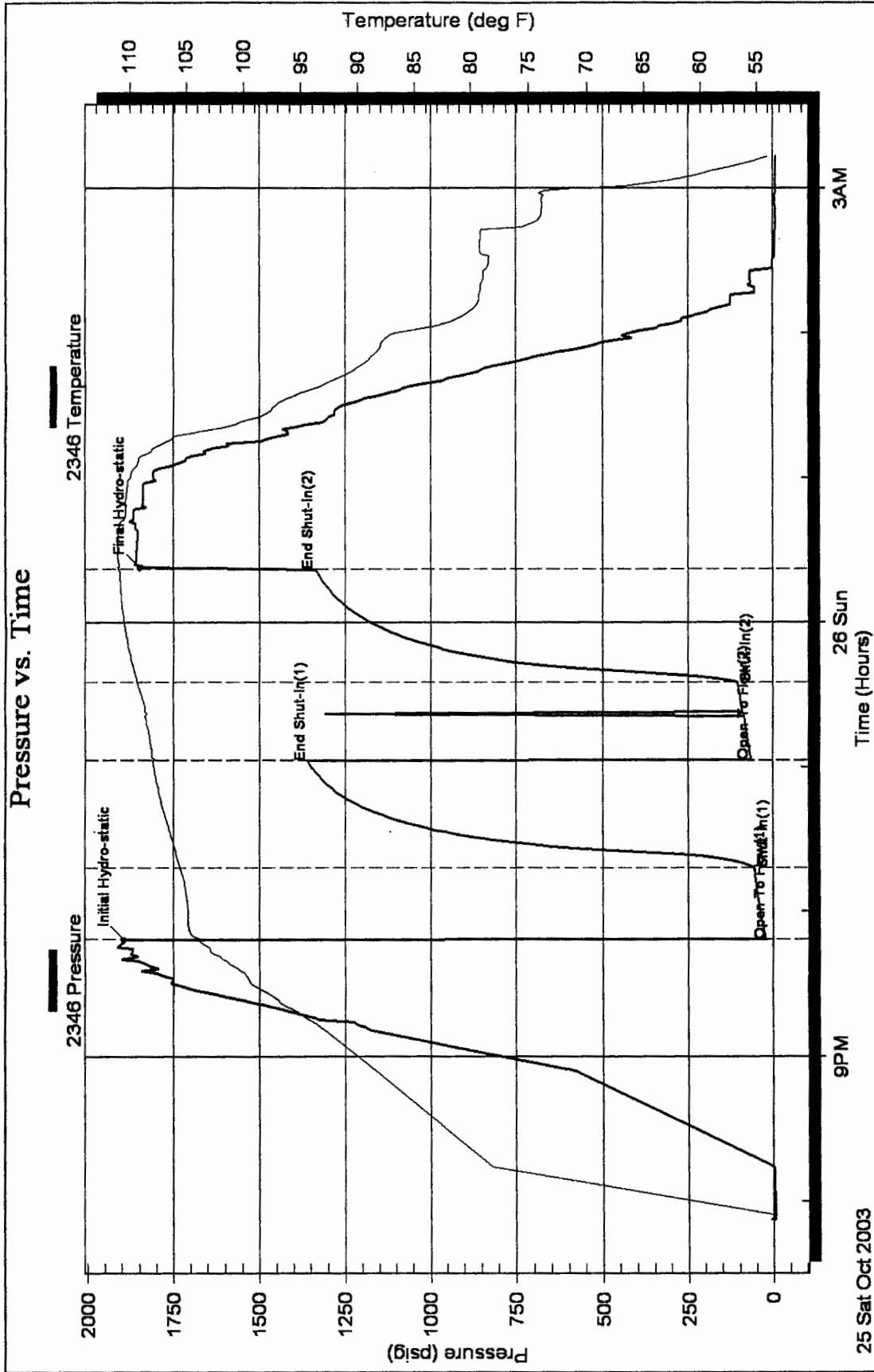
Inside

Edmiston Oil Company, Inc.

24-29S-9W

DST Test Number: 1

Pressure vs. Time



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Trilobite Testing, Inc

Ref. No: 17123

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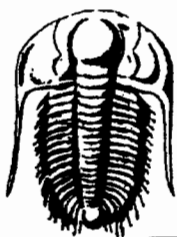
Edmiston Oil Company, Inc.
125 N Market Ste 1130
Wichita, KS 67202

Miller #3
24-29S-9W
Kingman Co Kansas

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PO Box 362 - Hays, Kansas - 67601
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e-mail: trilobite@eaglecom.net



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT
Edmiston Oil Company, Inc.
125 N Market Ste 1130
Wichita, KS 67202

Well name#:	Miller #3	Date:	10/26/2003
Location#:	24-29S-9W Kingman Co Kansas	Ticket #:	17124
		DST#	2

General Informaion:

Formation:	Hertha	Test Type:	Conventional	BHT:	128
Interval:	3937-3954	Tester:	Darren Amrein	OIL API:	
Total Depth:	3954	Elevation:	1664 ft(KB)	H2O Salinity:	
Hole Diameter:	7 7/8"		1659 ft(CF)		

Start Data:	10/26/2003	Tool Weight:	2100	Mud Type:	Chemical
Start Time:	11:00:00	Weight Set on Packers:	20000	Mud Weight:	9.4
Time tool opened:	12:34:00	Weight to Pull Loose:	80000	Viscosity:	46
Time Off Btm:	16:19:00	Initial String Weight:	68000	Water Loss:	9.6
End Date:	10/26/03	Final String Weight:	72000	Resistivity;	
End Time:	19:30:00	Drill Pipe Length:	3690.12	Salinity:	
		Drill Collar Length:	247.88		
		Wt. Pipe Length:			

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Test Comment:

IF: Strong blow BOB in 35 sec. GTS in 7 min. Gauged gas
ISI: Blew throughout shut in.
FF: strong blow BOB ib 90 sec. Gauged gas
FSI: Bled down for 10 min. built back to BOB ib 2 min.

Recovery

Length(ft): 2888' GIP
120 SOCSW 2%O 96%W 2%M
930 Gassy Free Oil

Gas Volume Report

Recorder #:	13769	Min:	Ins. Of water	Orifice	MCF/D
Pressure Summary:	Time:(min)		PSIG	size	
Initial Hydro-static:	1998				
Open to Flow (1):	170 30				
Shut-in (1):	223 45				
End Shut-in (1):	1353				
Open to Flow (2):	234 60				
Shut-in (2):	404 90				
End Shut-in (2):	1353				
Final Hydro-static:	2019				



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PO Box 362 - Hays, Kansas 67601 - (785) 625-4778

GAS VOLUME REPORT

Operator: Edmiston Oil Company, Inc.

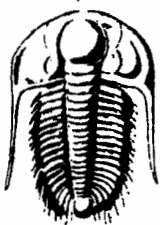
Well Name: Miller #3

DST #:

2

Remarks:

[illegible]



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P.O. Box 362 • Hays, Kansas 67601

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KCC WICHITA

No 17124

Test Ticket

Well Name & No. Miller #3 Test No. #2 Date 10-26-03
 Company Edmiston Oil Company Inc. Zone Tested Hertha
 Address 125 N Market Suite 1130 Wichita, KS 67202 Elevation 1664 KB 1659 GL
 Co. Rep / Geo. Max R. Lovely Cont. Pickrell #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 29S Rge. 9W Co. Kingman, Co. State KS
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3937' - 3954' Initial Str Wt./Lbs. 68,000 Unseated Str Wt./Lbs. 72,000
 Anchor Length 17' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 30,000
 Top Packer Depth 3932' Tool Weight 2100
 Bottom Packer Depth 3937' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3954' Wt. Pipe Run N/A Drill Collar Run 247.88
 Mud Wt. 9.4 LCM 0 Vis. 46 WL 9.6 Drill Pipe Size 4 1/2 x H Ft. Run 3690.12

Flow Description IF: Strong blow b.p. in 35 sec. 67.5 in 7 mins. Gauge 60.8
FSI: Blow throughout shut in
FF: Strong blow b.p. in 90 sec. Gauge 60.8
FSI: Blow down for 10 mins. Built back to b.p. in 2 mins.

Recovery - Total Feet 1050' GIP 2888' Ft. in DC 248' Ft. in DP 802'

Rec. 930' Feet of Cassy Free Oil
 Rec. 120' Feet of SOCSW 26" oil 96.5W 26" mud
 Rec. 2888' Feet of GTP
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

3HT 128" *F Gravity 41 *API D @ _____ *F Corrected Gravity _____ *API
 RW .07 @ 65" *F Chlorides 145,000 ppm Recovery _____ Chlorides 4,500 ppm System

	AK-1	Alpine	Recorder No.	Test
A) Initial Hydrostatic Mud	<u>1998</u>	PSI	<u>13769</u>	<u>✓ 700</u>
B) First Initial Flow Pressure	<u>170</u>	PSI	<u>3939'</u>	Elec. Rec. _____
C) First Final Flow Pressure	<u>223</u>	PSI	<u>10991</u>	Jars <u>✓ 200</u>
D) Initial Shut-In Pressure	<u>1353</u>	PSI	<u>3948'</u>	Safety Jt. <u>✓ 50</u>
E) Second Initial Flow Pressure	<u>234</u>	PSI	Recorder No. _____	Circ Sub <u>✓ 35</u>
F) Second Final Flow Pressure	<u>404</u>	PSI	(depth) _____	Sampler _____
G) Final Shut-In Pressure	<u>1353</u>	PSI	Initial Opening <u>30</u>	Straddle _____
Q) Final Hydrostatic Mud	<u>2019</u>	PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>60</u>	Shale Packer _____
			Final Shut-In <u>90</u>	Mileage <u>37 37</u>
			T-On Location <u>1030</u>	Sub Total: <u>1622</u>
			T-Started <u>1100</u>	Std. By _____
			T-Open <u>1234</u>	Other _____
			T-Pulled <u>1619</u>	Total: _____
			T-Out <u>1930</u>	

TRILOBITE TESTING INC. 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 [Signature]
 Our Representative Darren J. Ammer



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GAS VOLUME REPORT

VOLUME REPORT
Miller #3

WELL NAME AND NO.

#2
DST NO.

TS in mind.

FF.:

[illegible]

Remarks:

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

