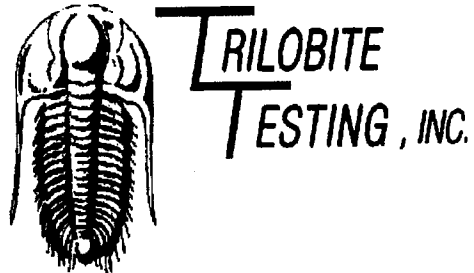


15-047-21542

16-26s-19w



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum CO**

8080 E Central Ste 300
Wichita KS 67206

ATTN: Tim Priest

16 26S19W Edwards KS

Miller A #2-16

Start Date: 2007.01.26 @ 11:12:39

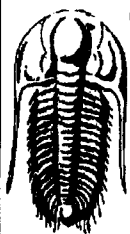
End Date: 2007.01.26 @ 21:31:54

Job Ticket #: 27045 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

McCoy Petroleum CO

8080 E Central Ste 300
Wichita KS 67206

ATTN: Tim Priest

Miller A #2-16

16 26S19W Edwards KS

Job Ticket: 27045

DST#: 1

Test Start: 2007.01.26 @ 11:12:39

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (CF)

Time Tool Opened: 13:39:54

Time Test Ended: 21:31:54

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **4730.00 ft (CF) To 4754.00 ft (CF) (TVD)**

Total Depth: 4754.00 ft (CF) (TVD)

Hole Diameter: 7.79 inches Hole Condition: Fair

Reference Elevations: 2239.00 ft (KB)

2228.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8290

Inside

Press@RunDepth: 77.08 psig @ 4734.00 ft (CF)

Start Date: 2007.01.26

End Date:

2007.01.26

Capacity: 7000.00 psig

Last Calib.: 2007.01.26

Start Time: 11:12:44

End Time:

21:31:54

Time On Btm: 2007.01.26 @ 13:39:09

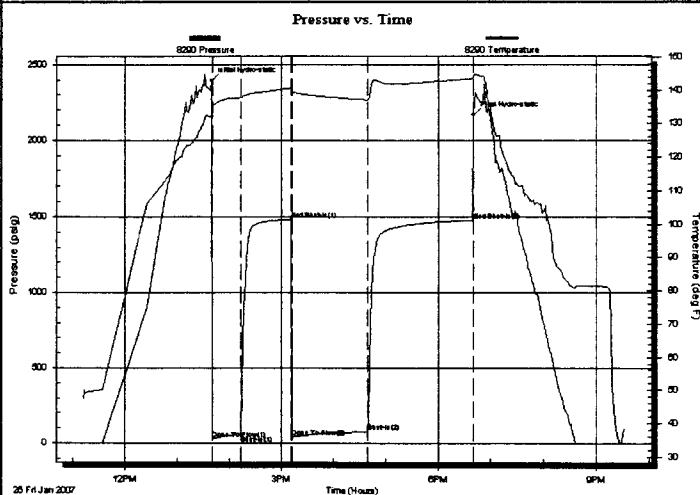
Time Off Btm: 2007.01.26 @ 18:39:53

TEST COMMENT: IF Strong blow BOB immediately

ISI No blow

FF Strong blow BOB immediately GTS in 4 min. Gauged gas to 23# on 1/4 in. choke

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2393.24	132.09	Initial Hydro-static
1	25.65	134.05	Open To Flow (1)
34	53.06	137.69	Shut-In(1)
92	1481.63	140.58	End Shut-In(1)
93	35.94	139.28	Open To Flow(2)
181	77.08	137.08	Shut-In(2)
301	1476.51	143.46	End Shut-In(2)
301	2164.58	143.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	GSY Mud 5%G 95%M	0.64
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	29.19
Last Gas Rate	0.25	23.00	59.33
Max. Gas Rate	0.25	23.00	59.33



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum CO

8080 E Central Ste 300
Wichita KS 67206

ATTN: Tim Priest

Miller A #2-16

16 26S19W Edwards KS

Job Ticket: 27045

DST#: 1

Test Start: 2007.01.26 @ 11:12:39

Tool Information

Drill Pipe:	Length: 4486.00 ft	Diameter: 3.80 inches	Volume: 62.93 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: 256.00 ft	Diameter: 2.25 inches	Volume: 1.26 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	64.19 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4730.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 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			4711.00	
Shut In Tool	5.00			4716.00	
Hydraulic tool	5.00			4721.00	
Packer	4.00			4725.00	20.00 Bottom Of Top Packer
Packer	5.00			4730.00	
Stubb	1.00			4731.00	
Perforations	3.00			4734.00	
Recorder	0.00	8290	Inside	4734.00	
Perforations	15.00			4749.00	
Recorder	0.00	13789	Outside	4749.00	
Bullnose	5.00			4754.00	24.00 Bottom Packers & Anchor

Total Tool Length: 44.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum CO

Miller A #2-16

8080 E Central Ste 300
Wichita KS 67206

16 26S19W Edwards KS

Job Ticket: 27045

DST#: 1

ATTN: Tim Priest

Test Start: 2007.01.26 @ 11:12:39

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	GSY Mud 5%G 95%M	0.639
0.00		0.000

Total Length: 130.00 ft

Total Volume: 0.639 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

McCoy Petroleum CO

Miller A #2-16

8080 E Central Ste 300
Wichita KS 67206

16 26S19W Edwards KS

Job Ticket: 27045

DST#: 1

ATTN: Tim Priest

Test Start: 2007.01.26 @ 11:12:39

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)
2	10	0.25	4.00	29.19
2	10	0.25	4.00	29.19
2	20	0.25	9.50	37.92
2	30	0.25	13.00	43.47
2	40	0.25	18.00	51.40
2	50	0.25	20.00	54.57
2	60	0.25	22.00	57.75
2	70	0.25	22.00	57.75
2	80	0.25	22.00	57.75
2	90	0.25	23.00	59.33

DST Test Number: 1

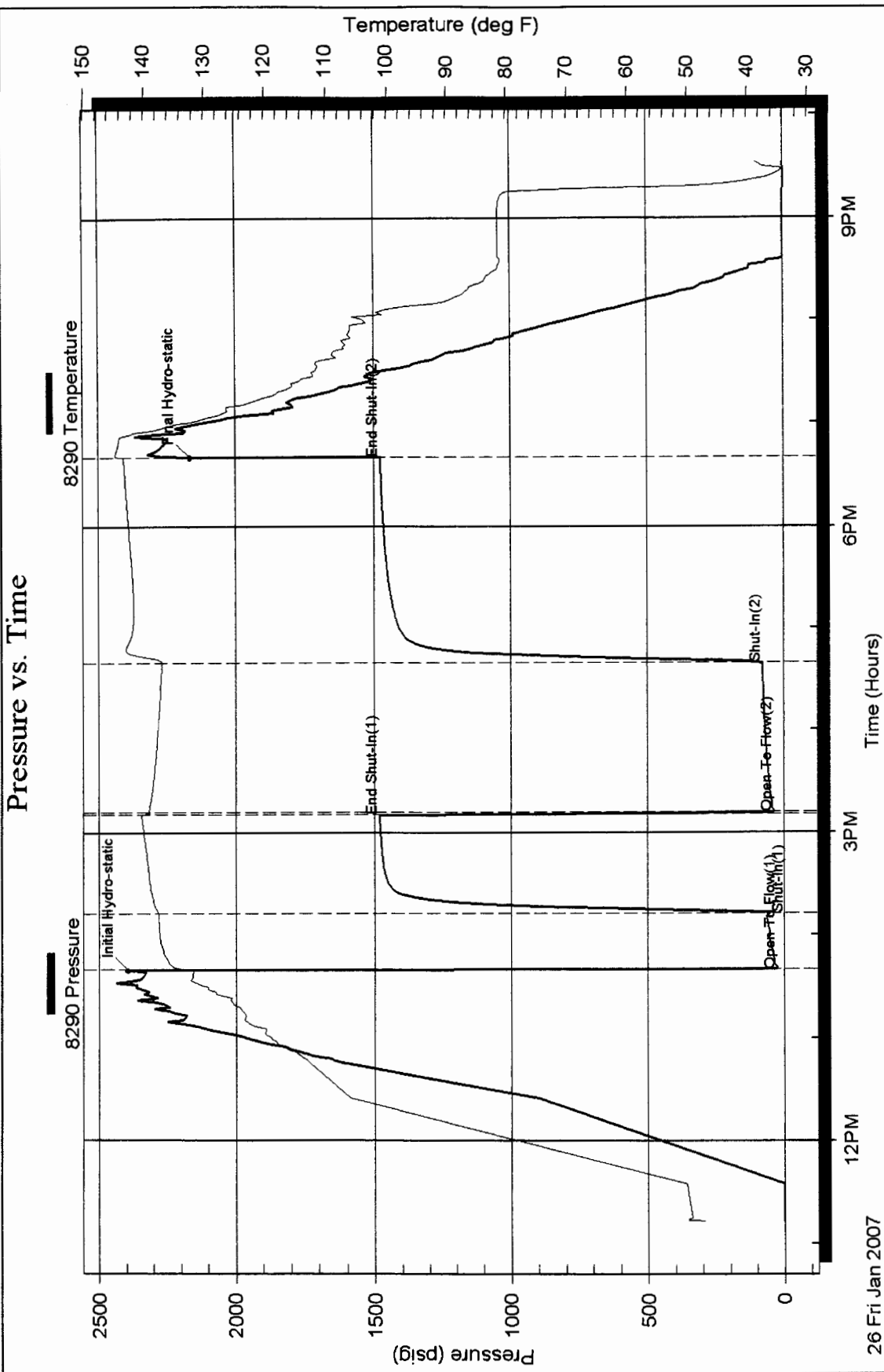
16 26S19W Edwards KS

McOy Petroleum CO

Inside

Serial #: 8290

Pressure vs. Time



GAS VOLUME REPORT

Operator: **McCoy Petroleum**

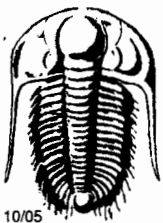
Well Name: Miller A # 2-16

DST #:

1

Remarks:

[illegible]



**TRILOBITE
TESTING INC.**

P.O. Box 362 • Hays, Kansas 67601

27045

9790

Test Ticket

Well Name & No. Miller A # 2-16 Test No. 1 Date 1-26-07
Company McLary Pet. Co. Zone Tested Mississippi
Address 8080E Central St 300 Wichita Ks 67206 Elevation 2239 KB 2228 GL
Co. Rep / Geo. Tim Priest Rig Sterling #2
Location: Sec. 16 Twp. 26S Rge. 19W Co. Edward State Ks
Comment: _____ Release date / time: _____

Interval Tested 4730 - 4754 Initial Str Wt./Lbs. 64000 Unseated Str Wt./Lbs. 70000
Anchor Length 24' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 70000
Top Packer Depth 4725 Tool Weight 2100
Bottom Packer Depth 4730 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
Total Depth 4754 Wt. Pipe Run - Drill Collar Run 256
Mud Wt. 9.4 LCM - Vis. 58 WL 9.6 Drill Pipe Size 4 1/2 Ft. Run 4486
Blow Description IF: Strong blow. BOB immediately.
FSI: No blow.
FF: Strong blow. BOB immediately. GTS in 4 min. Pumped 23# on 1/4"
FSI: No blow.

Recovery - Total Feet 130 GIP - Ft. in DC 130 Ft. in DP -
Rec. 130 Feet of GSK Mud 5 %gas %oil %water 95 %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 143° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2327</u>	PSI	<u>8290</u>	<u>✓</u> <u>1200</u>
(B) First Initial Flow Pressure	<u>26</u>	PSI	<u>4734</u>	Jars _____
(C) First Final Flow Pressure	<u>53</u>	PSI	<u>13789</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1482</u>	PSI	<u>4749</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>36</u>	PSI	<u>-</u>	Sampler _____
(F) Second Final Flow Pressure	<u>77</u>	PSI	<u>-</u>	Straddle _____
(G) Final Shut-In Pressure	<u>1477</u>	PSI	<u>Initial Opening</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2261</u>	PSI	<u>Initial Shut-In</u>	Shale Packer _____

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Approved By [Signature]
Our Representative Zachary R. Stover

Final Flow 90
Final Shut-In 120
T-On Location 10:12
T-Started 11:12
T-Open 13:42
T-Pulled 18:42
T-Out 21:31
Ruined Packer 125
Mileage ✓ 100 RT
Sub Total: _____
Std. By ✓ 2 200
Acc. Chg: ✓ 1525
Other: 150
Total: _____

GAS VOLUME REPORT

Mc Coy Petroleum Inc.
OPERATOR

OPERATOR

Miller A # 2-16

WELL NAME AND NO.

DST NO.

Initial Flow

Final Flow

[illegible]

Remarks:

CHART PAGE

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

