

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

6/15/10

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5003  
Name: McCoy Petroleum Corporation  
Address: 8080 E. Central, Suite #300,  
City/State/Zip: Wichita, KS 67212-3240  
Purchaser: None  
Operator Contact Person: Scott Hampel  
Phone: 316-636-2737 x 104  
Contractor: Name: Sterling Drilling Company  
License: 5142  
Wellsite Geologist: Tim Priest

KCC  
JUN 15 2010

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API No.: 15-101-22225 -0000  
County: Lane  
50'S & 100'W of C W2 Sec 9 Twp 20 S. Rng 28  East  West  
2590 feet from  N  S (check one) Line of Section  
1220 feet from  E  W (check one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(check one)  NE  SE  NW  SW  
Lease Name: MOOMAW "A" UNIT Well #: #1-9  
Field Name: Wildcat  
Producing Formation: None  
Elevation: Ground: 2718' Kelly Bushing: 2729'  
Total Depth: 4685' Plug Back Total Depth: None  
Amount of Surface Pipe Set and Cemented at 214' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Enhr./SWD  
\_\_\_\_\_ Plug Back \_\_\_\_\_ Plug Back Total Depth  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
4/28/10 5/8/10 5/8/10  
Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan *PAWS 6-30-10*  
(Data must be collected from the Reserve Pit)  
Chloride content 18,000 ppm Fluid volume 1000 bbls  
Dewatering method used \_\_\_\_\_ Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Scott Hampel  
Scott Hampel  
Title: Vice President - Production Date: 6/15/10

Subscribed and sworn to before me this 15th day of June

2010  
Notary Public: BRENT B. REINHARDT  
Notary Public - State of Kansas  
My Appt. Expires 12/21  
Date Commission Expires: 12/7/2011

KCC Office Use ONLY  
 Letter of Confidentiality Attached 6-15-10  
 If Denied, Yes  Date - \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
RECEIVED  
JUN 28 2010  
KCC WICHITA

Operator Name: McCoy Petroleum Corporation Lease Name: MOOMAW "A" UNIT Well #: #1-9  
 Sec 9 Twp 20 S. R. 28  East  West County: Lane County, KS

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach additional Sheets)  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit- Copy)  List All E. Logs Run: <u>Compensated Neutron Density, Dual Induction,</u>  <u>Geological Report</u>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Top Datum  <u>See attached information.</u>  _____ _____ _____ _____ _____
---	--

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	214'	Common	150	2% Gel, 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
---------------	------	--------	-----------	--

Date of First, Resumed Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil (Bbls)	Gas (Mcf)	Water (Bbls)	Gas-Oil Ratio	Gravity
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Disposition of Gas <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval None: D&A
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KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ACO-1 Supplemental Information

KCC  
JUN 15 2010  
CONFIDENTIAL

*McCoy Petroleum Corporation  
Moomaw 'A' Unit #1-9  
50'S & 100'W of C W2, Section 9-20S-28W  
2590' FSL & 1220' FWL  
Lane County, Kansas  
API# 15-101-22225*

04-28-10 Spud at 6:30 AM. Drilled 12 1/4" hole to 215'. Deviation 1/4° at 215'. Ran 7 joints of new 8 5/8" 23# casing. Tally = 201.40'. Set at 214' KB. Quality Cementing cemented with 150 sacks of Common, with 2% gel and 3% CC. Plug down @ 12:45 PM on 4/28/10. Welded straps on bottom 3 joints and welded collars on other 4 joints. Cement did circulate. WOC.

*DST #1 4212 - 4237' (Lansing-Kansas City J Zone)  
Open: 30", SI: 60", Open: 60", SI: 90"  
1<sup>st</sup> Open: Built to 6", no blow-back.  
2<sup>nd</sup> Open: Built to 6" no blow-back.  
Recovered: 1' Clean Oil  
317' Mud Cut Water (85% Water, 15% Mud)  
318' Total Fluid  
IFP: 17-108# FFP: 112-164#  
SIP: 1103-1098#*

*DST #2 4284 - 4302 (Lansing Kansas City L Zone)(Straddle Test)  
Open: 30 SI: 60, Open: 30, SI: 60  
1<sup>st</sup> Open: Weak blow, died in 10". No blow-back.  
2<sup>nd</sup> Open: No blow, no blow-back.  
Recovered: 10' Mud  
IFP: 10-12# FFP: 15-19#  
SIP: 1011-159#*

*DST #3 4402-4493' (Marmaton, Pawnee, Ft. Scott)  
Open: 30 SI: 60, Open: 30, SI: 60  
1<sup>st</sup> Open: Weak blow, died in 15". No blow-back.  
2<sup>nd</sup> Open: No blow, no blow-back.  
Recovered: 10' Mud  
IFP: 13-17# FFP: 19-21#  
SIP: 82-45#*

RECEIVED  
JUN 28 2010  
KCC WICHITA

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ACO-1 Supplemental Information

**McCoy Petroleum Corporation**  
**Moomaw 'A' Unit #1-9**  
**50'S & 100'W of C W2, Section 9-20S-28W**  
**2590' FSL & 1220' FWL**  
**Lane County, Kansas**  
**API# 15-101-22225**

**DST #4 4538-4576' (Johnson)**  
**Open: 30 SI: 60, Open: 30, SI: 60**  
**1<sup>st</sup> Open: Weak blow, died in 10". No blow-back.**  
**2<sup>nd</sup> Open: No blow, no blow-back.**  
**Recovered: 10' Mud with few oil spots (100% Mud)**  
**IFP: 14-15# FFP: 16-17#**  
**SIP: 556-87#**

05-08-10 RTD 4685'. LTD 4683'. Log Tech ran a Dual Induction and Neutron-Density Logs. Decision made to plug and abandon. Quality Cementing **plugged hole** with 290 sx of 60/40 pozmix with 4% gel as follows: heavy mud in hole to bottom, 50 sx @ 2080', 80 sx @ 1300', 50 sx @ 650', 40 sx @ 240', 20 sx @ 0-60', 30 sx in rathole and 20 sx in mousehole. Plugging completed at 8:00 P.M. on 4/21/10. Orders from KCC. Released Rig @ 8:15 A.M. on 5/8/10.

**SAMPLE TOPS**

BaseAnhydrite2075 (+ 654)  
Heebner 3928 (-1199)  
Lansing 3972 (-1243)  
Muncie Creek 4152 (-1423)  
Stark Shale 4246 (-1517)  
Pawnee 4450 (-1721)  
Ft. Scott 4472 (-1743)  
Cherokee 4493 (-1764)  
Mississippian 4586 (-1857)  
RTD 4685 (-1956)

**ELECTRIC LOG TOPS**

BaseAnhydrite2071 (+ 658)  
Heebner 3926 (-1197)  
Lansing 3966 (-1237)  
Muncie Creek 4149 (-1420)  
Stark Shale 4243 (-1514)  
Pawnee 4450 (-1721)  
Ft. Scott 4472 (-1743)  
Cherokee 4488 (-1759)  
Mississippian 4586 (-1857)  
LTD 4683 (-1954)

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3649

*pratt*

Date <i>4-28-10</i>	Sec. <i>9</i>	Twp. <i>20</i>	Range <i>28</i>	County <i>LANE</i>	State <i>KS</i>	On Location <i>9:30</i>	Finish <i>12:45PM</i>
Lease <i>macmillan</i>			Well No. <i>1-9</i>	Location <i>Alighton 85 IE 15 IE</i>			
Contractor <i>STERLING 2</i>				Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job <i>SURFACE</i>				Charge To <i>McCoy</i>			
Hole Size <i>12 1/4</i>		T.D. <i>215'</i>		Street			
Csg. <i>8 5/8 23'</i>		Depth <i>209'</i>		City			
Tbg. Size		Depth		State			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. <i>15</i>		Shoe Joint <i>15</i>		<b>CEMENT</b>			
Meas Line		Displace <i>12.4</i>					
<b>EQUIPMENT</b>				Amount Ordered <i>150 3 1/2 CC 2% GEL</i>			
Pumptrk <i>5</i> No.	Cementer <i>TOFF</i>	<i>5</i>		Common <i>150</i>			
Bulktrk <i>10</i> No.	Driver <i>JOE</i>	<i>6</i>		Poz. Mix			
Bulktrk <i>PK</i> No.	Driver <i>DARIN</i>	<i>6</i>		Gel. <i>3</i>			
<b>JOB SERVICES &amp; REMARKS</b>				Calcium <i>5</i>			
Remarks: <i>Run 7 #1's 8 5/8 23" set @ 209'</i>				Hulls			
<i>MIX! Pump 150 SA Common</i>				Salt			
<i>2% GEL 3% CL</i>				Flowseal			
<i>15 1/4 GAL 1.36 #1's</i>				Handling <i>158</i>			
<i>SHUT DOWN</i>				Mileage <i>.08 PER SK PER M. 1/2</i>			
<i>RELEASES PLUG</i>				<i>8 5/8</i> <b>FLOAT EQUIPMENT</b>			
<i>DISP Bbls total</i>				Guide Shoe			
<i>CLOSE VALVE ON CSG</i>				Centralizer			
<i>CEMENT CIRCULATED</i>				Baskets			
<i>THANK YOU</i>				AFU Inserts			
<i>CALL AGAIN</i>				1 Wagon Plug			
<i>TOFF JOE DARIN</i>				HIM (P)			
<i>Signature</i>				Pumptrk Charge <i>SURFACE</i>			
				Mileage <i>45</i>			
				Quote # <i>410-257</i>			
				<i>pratt</i>			

**KCC**  
JUN 15 2010  
CONFIDENTIAL

**RECEIVED**  
Tax  
JUN 28 2010  
Discount  
Total Charge  
**KCC WICHITA**

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3660

Date	5-8-10	Sec.	9	Twp.	20	Range	28	County	Lang	State	Ks	On Location		Finish	8:15 AM	
Lease	Doomaw Unit			Well No.	A 1-9			Location: Dighton Ks 8 S to 60' Rel								
Contractor	Stereing Dels #2							Owner	I E ZS I E VAS E into							
Type Job	PTA							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	7 7/8			T.D.	4695			Charge To	McLm Pct							
Csg.				Depth				Street								
Tbg. Size				Depth				City	State							
Tool				Depth				(The above was done to satisfaction and supervision of owner agent or contractor.)								
Cement Left in Csg.				Shoe Joint				CEMENT 1/4 Annular part								
Meas. Line				Displace				Amount Ordered 290 sk 60/40 Poz 4% Gel								
EQUIPMENT								Common 174@								
Pumptrk	5	No.		Cementer	100		12	Helper								
Bulktrk	4	No.		Driver	513		12	Driver	Poz. Mix 116@							
Bulktrk	R	No.		Driver	PAEIN		12	Driver	Gel. 10@							
JOB SERVICES & REMARKS								Calcium								
Remarks:								Hulls								
1st Plus 2090'								Salt								
50 sk 60/40 4% Gel 1/4" CF.								Flowseal 73@								
Disp w/ M.D.																
2nd Plus 1300'								Handling 300@								
80 sk								Mileage 600-Per sk Per M. 10								
Disp w/ H <sub>2</sub> O								FLOAT EQUIPMENT								
3rd Plus 650'								Guide Shoe								
50 sk								Centralizer								
Disp w/ H <sub>2</sub> O								Baskets								
4th Plus 240'								AFU Inserts								
40 sk								3 HRS CHARGE								
Disp w/ H <sub>2</sub> O								1 HR NO CHARGE								
60' 20 sk								Pumptrk Charge PTA								
R.H. 30 sk								Mileage XZ 45								
M.H. 20 sk								Tax								
Signature								Discount								
TODS DORIN JWS								Total Charge								



**TRILOBITE  
TESTING, INC.**

**KCC  
JUN 15 2010  
CONFIDENTIAL**

**DRILL STEM TEST REPORT**

Prepared For: **McCoy Petroleum**

8080 E Central  
Ste 300  
Wichita, KS 67206

ATTN: Tim Priest

**9-20s-28w Lane KS**

**#1-9 Moomaw A Unit**

Start Date: 2010.05.03 @ 21:05:05

End Date: 2010.05.04 @ 06:18:00

Job Ticket #: 37877                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Printed: 2010.05.17 @ 13:45:59 Page

**RECEIVED**

**JUN 28 2010**

**KCC WICHITA**

McCoy Petroleum

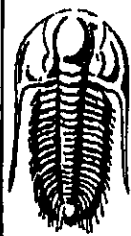
#1-9 Moomaw A Unit

9-20s-28w Lane KS

DST # 1

J zone

2010.05.03



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

McCoy Petroleum

#1-9 Moomaw A Unit

8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

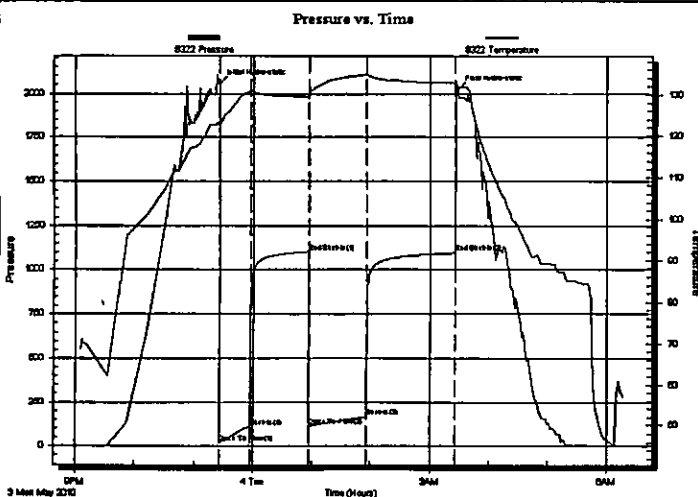
9-20s-28w Lane KS  
Job Ticket: 37877      DST#: 1  
Test Start: 2010.05.03 @ 21:05:05

## GENERAL INFORMATION:

Formation: **J zone**  
 Deviated: **No Whipstock**      ft (KB)  
 Time Tool Opened: 23:25:30  
 Time Test Ended: 06:18:00  
 Interval: **4212.00 ft (KB) To 4237.00 ft (KB) (TVD)**  
 Total Depth: **4237.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Andy Carreira**  
 Unit No: **48**  
 Reference Elevations: **2730.00 ft (KB)**  
**2718.00 ft (CF)**  
 KB to GR/CF: **12.00 ft**

Serial #: **8322**      Inside  
 Press@RunDepth: **164.18 psig @ 4213.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2010.05.03**      End Date: **2010.05.04**      Last Calib.: **2010.05.04**  
 Start Time: **21:05:05**      End Time: **06:18:00**      Time On Btm: **2010.05.03 @ 23:25:15**  
 Time Off Btm: **2010.05.04 @ 03:28:14**

TEST COMMENT: IF: Built to 6 inches.  
 IS: No return.  
 FF: Built to 6 inches.  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2058.20	123.59	Initial Hydro-static
1	17.91	123.19	Open To Flow (1)
31	108.35	131.12	Shut-In(1)
92	1103.98	129.65	End Shut-In(1)
92	112.39	129.82	Open To Flow (2)
151	164.18	134.88	Shut-In(2)
241	1098.54	132.92	End Shut-In(2)
243	2025.56	132.13	Final Hydro-static

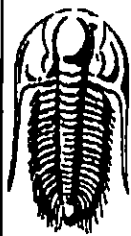
## Recovery

Length (ft)	Description	Volume (bbl)
317.00	MCW 85%w 15% m	2.53
1.00	CO 100%o	0.01
0.00	GIP = 0	0.00
0.00	RW = .258@50F = 40000ppm	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

McCoy Petroleum

**#1-9 Moomaw A Unit**

8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

**9-20s-28w Lane KS**  
Job Ticket: 37877      DST#: 1  
Test Start: 2010.05.03 @ 21:05:05

**Tool Information**

Drill Pipe:	Length: 4002.00 ft	Diameter: 3.80 inches	Volume: 56.14 bbl	Tool Weight: 1500.00 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 57.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4212.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 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			4193.00	
Shut In Tool	5.00			4198.00	
Hydraulic tool	5.00			4203.00	
Packer	5.00			4208.00	20.00      Bottom Of Top Packer
Packer	4.00			4212.00	
Stubb	1.00			4213.00	
Recorder	0.00	8322	Inside	4213.00	
Recorder	0.00	8166	Inside	4213.00	
Perforations	21.00			4234.00	
Bullnose	3.00			4237.00	25.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>45.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

McCoy Petroleum

**#1-9 Moomaw A Unit**

8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

**9-20s-28w Lane KS**  
Job Ticket: 37877      **DST#: 1**  
Test Start: 2010.05.03 @ 21:05:05

## 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:	40000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

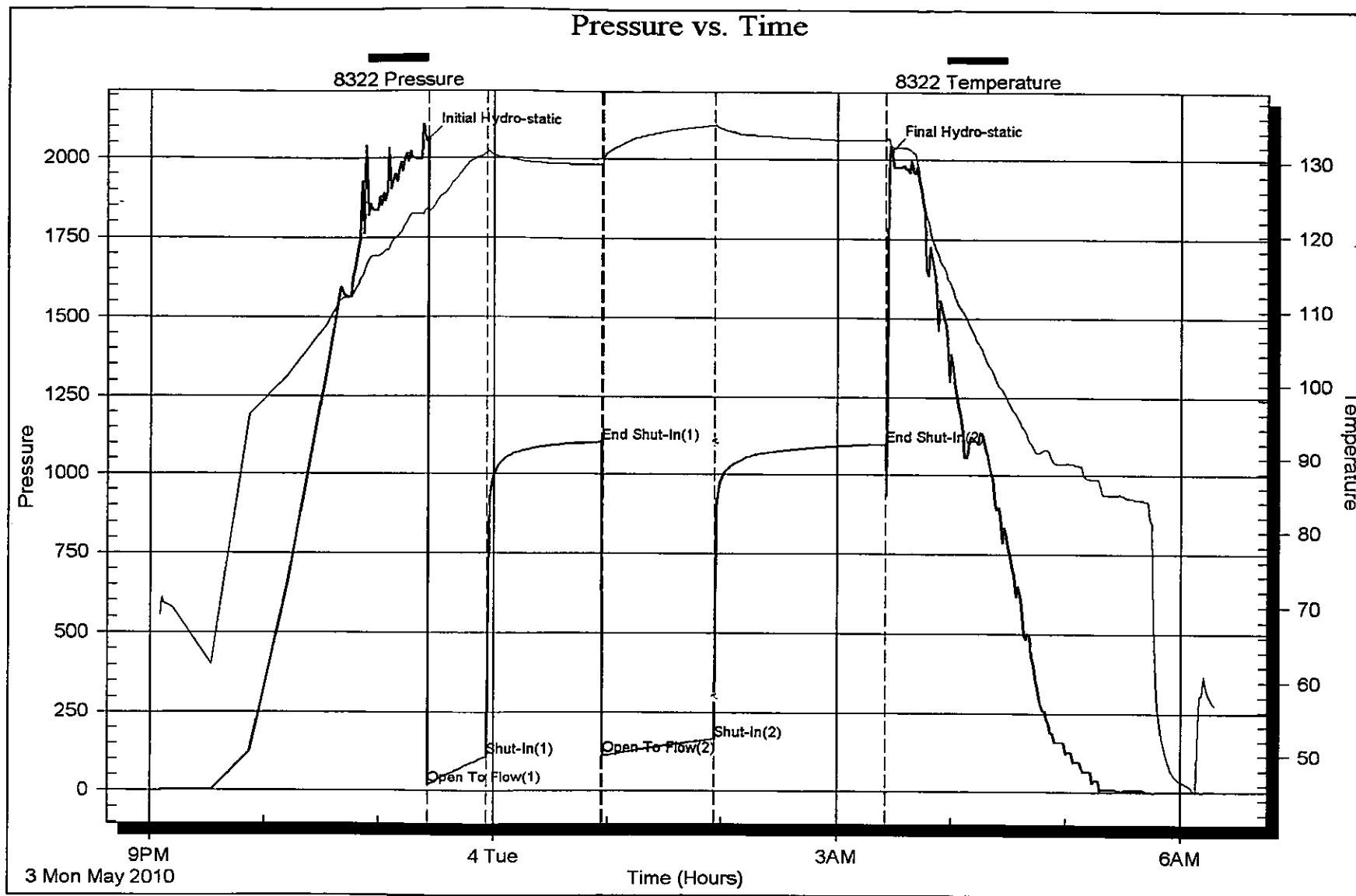
Length ft	Description	Volume bbl
317.00	MCW 85%w 15%m	2.534
1.00	CO 100%o	0.014
0.00	GIP = 0	0.000
0.00	RW = .258@50F = 40000ppm	0.000

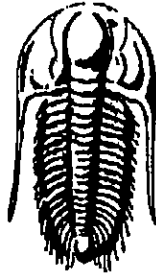
Total Length: 318.00 ft      Total Volume: 2.548 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: v

Laboratory Name:      Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central  
Ste 300  
Wichita, KS 67206

ATTN: Tim Priest

**9-20s-28w Lane KS**

**#1-9 Moomaw A Unit**

Start Date: 2010.05.04 @ 20:20:05

End Date: 2010.05.05 @ 04:03:29

Job Ticket #: 37878                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petroleum

#1-9 Moomaw A Unit

9-20s-28w Lane KS

DST # 2

L zone

2010.05.04



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

McCoy Petroleum

#1-9 Moomaw A Unit

8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

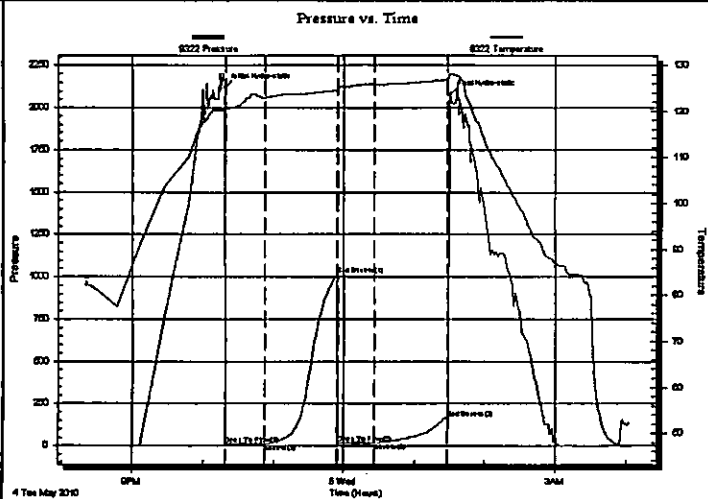
9-20s-28w Lane KS  
Job Ticket: 37878      DST#: 2  
Test Start: 2010.05.04 @ 20:20:05

## GENERAL INFORMATION:

Formation: **L zone**  
 Deviated: **No Whipstock**      ft (KB)  
 Test Type: **Conventional Straddle**  
 Time Tool Opened: **22:18:15**  
 Tester: **Andy Carreira**  
 Time Test Ended: **04:03:29**  
 Unit No: **48**  
 Interval: **4284.00 ft (KB) To 4302.00 ft (KB) (TVD)**  
 Reference Elevations: **2730.00 ft (KB)**  
 Total Depth: **4324.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 KB to GR/CF: **12.00 ft**

Serial #: **8322**      Inside  
 Press@RunDepth: **19.27 psig @ 4285.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2010.05.04**      End Date: **2010.05.05**      Last Calib.: **2010.05.05**  
 Start Time: **20:20:05**      End Time: **04:03:29**      Time On Btm: **2010.05.04 @ 22:18:00**  
 Time Off Btm: **2010.05.05 @ 01:30:29**

TEST COMMENT: IF: Surface blow died in 10 min  
 IS: No Return  
 FF: No blow  
 FS: No Return



## PRESSURE SUMMARY

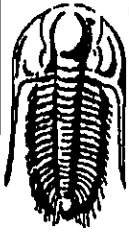
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.58	120.93	Initial Hydro-static
1	10.05	120.54	Open To Flow (1)
34	12.92	122.97	Shut-In(1)
97	1011.74	124.59	End Shut-In(1)
97	15.19	124.72	Open To Flow (2)
129	19.27	125.95	Shut-In(2)
191	159.81	126.94	End Shut-In(2)
193	2081.13	128.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100% m	0.05
0.00	GIP = 0	0.00

## Gas Rates

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



**TRILOBITE TESTING, INC**

### DRILL STEM TEST REPORT

McCoy Petroleum

#1-9 Moomaw A Unit

8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

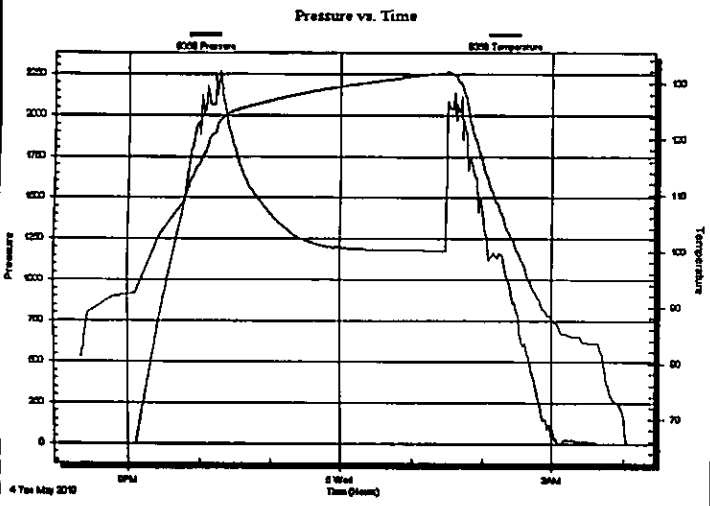
9-20s-28w Lane KS  
Job Ticket: 37878      DST#: 2  
Test Start: 2010.05.04 @ 20:20:05

**GENERAL INFORMATION:**

Formation: L zone	Test Type: Conventional Straddle
Deviated: No Whipstock      ft (KB)	Tester: Andy Carreira
Time Tool Opened: 22:18:15	Unit No: 48
Time Test Ended: 04:03:29	Reference Elevations: 2730.00 ft (KB)
Interval: 4284.00 ft (KB) To 4302.00 ft (KB) (TVD)	2718.00 ft (CF)
Total Depth: 4324.00 ft (KB) (TVD)	KB to GR/CF: 12.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair

<b>Serial #: 8358</b>	<b>Below (Straddle)</b>	Capacity: 8000.00 psig
Press@RunDepth:      psig @ 4322.00 ft (KB)	Start Date: 2010.05.04	Last Calib.: 2010.05.05
End Date: 2010.05.05	Start Time: 20:20:15	Time On Btm
End Time: 04:03:30		Time Off Btm

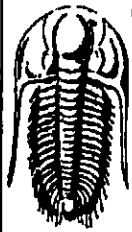
**TEST COMMENT:** IF: Surface blow died in 10 min  
IS: No Return  
FF: No blow  
FS: No Return



Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation

Length (ft)	Description	Volume (bbl)
10.00	M 100% m	0.05
0.00	GIP = 0	0.00

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

McCoy Petroleum  
8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

**#1-9 Moomaw A Unit**  
**9-20s-28w Lane KS**  
Job Ticket: 37878      **DST#: 2**  
Test Start: 2010.05.04 @ 20:20:05

### Tool Information

Drill Pipe:	Length: 4064.00 ft	Diameter: 3.80 inches	Volume: 57.01 bbl	Tool Weight: 1500.00 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 90000.00 lb
			<b>Total Volume: 58.04 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 83000.00 lb
Depth to Top Packer:	4284.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	4302.00 ft			
Interval between Packers:	18.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4265.00	
Shut In Tool	5.00			4270.00	
Hydraulic tool	5.00			4275.00	
Packer	5.00			4280.00	20.00 Bottom Of Top Packer
Packer	4.00			4284.00	
Stubb	1.00			4285.00	
Recorder	0.00	8322	Inside	4285.00	
Recorder	0.00	8166	Inside	4285.00	
Perforations	13.00			4298.00	
Blank Off Sub	1.00			4299.00	
Top of packer	3.00			4302.00	18.00 Tool Interval
Packer	1.00			4303.00	
Stubb	1.00			4304.00	
Blank Spacing	18.00			4322.00	
Recorder	0.00	8358	Below	4322.00	
Bullnose	3.00			4325.00	23.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>61.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

McCoy Petroleum

#1-9 Moomaw A Unit

8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

9-20s-28w Lane KS  
Job Ticket: 37878      DST#: 2  
Test Start: 2010.05.04 @ 20:20:05

## 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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2700.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M 100% m	0.049
0.00	GIP= 0	0.000

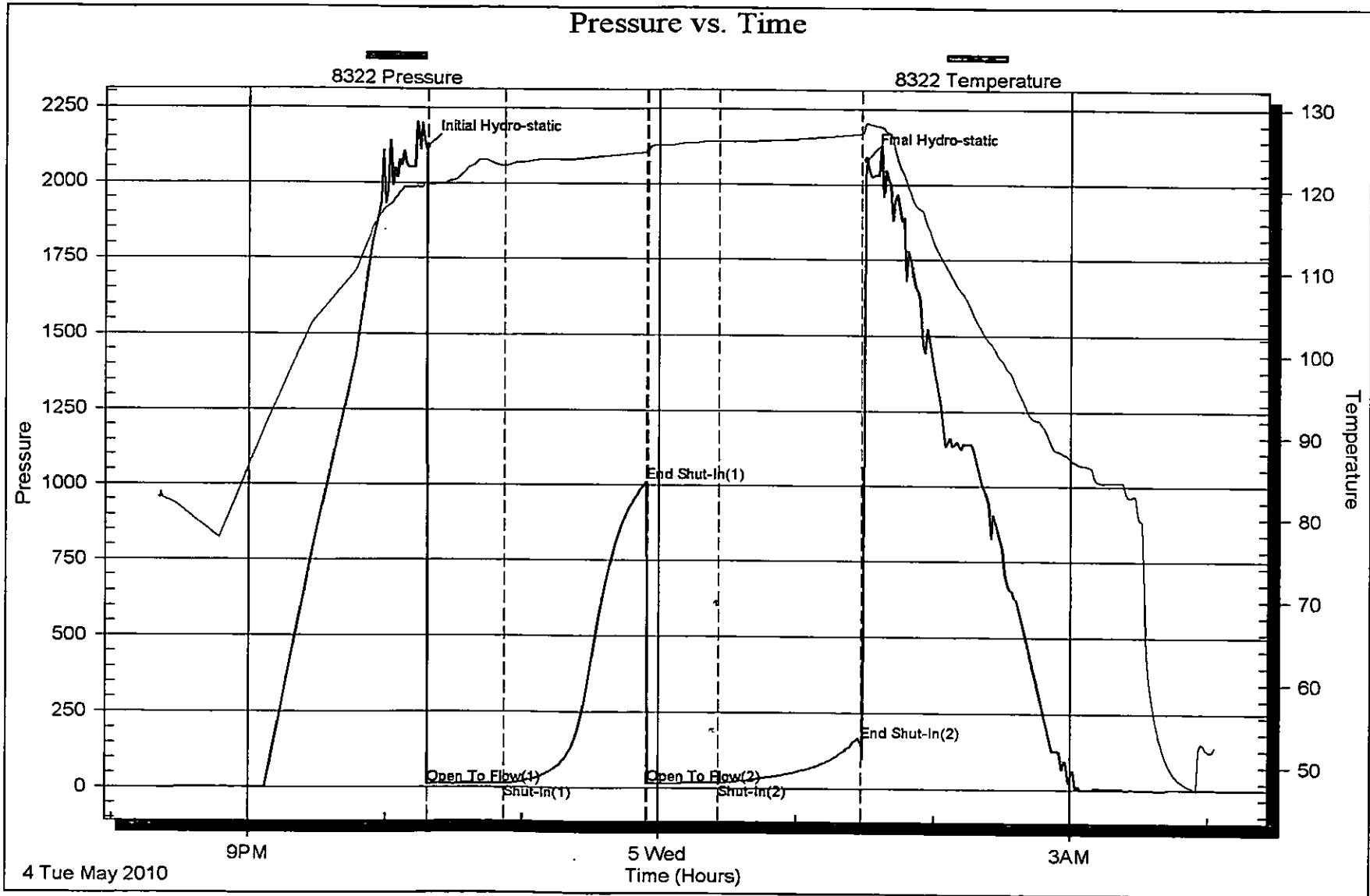
Total Length: 10.00 ft      Total Volume: 0.049 bbl

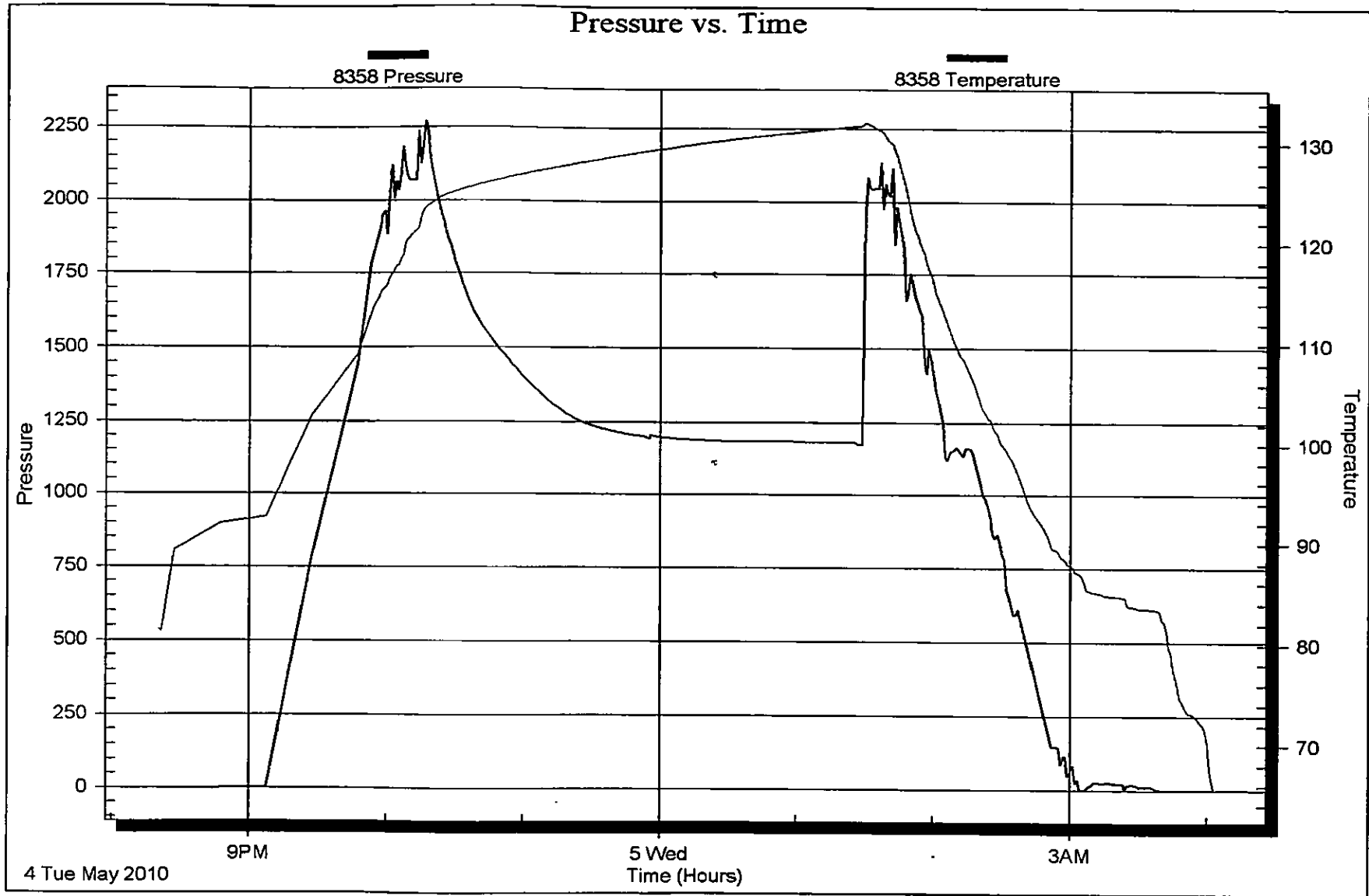
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

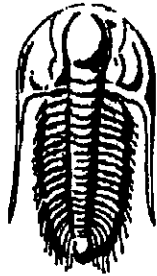
Laboratory Name:      Laboratory Location:

Recovery Comments:      v









**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central  
Ste 300  
Wichita, KS 67206

ATTN: Tim Priest

**9-20s-28w Lane KS**

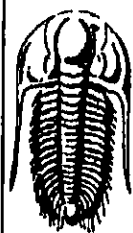
**#1-9 Moomaw A Unit**

Start Date: 2010.05.05 @ 22:45:00

End Date: 2010.05.06 @ 06:46:30

Job Ticket #: 37879                      DST #: 3

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

McCoy Petroleum

#1-9 Moomaw A Unit

8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

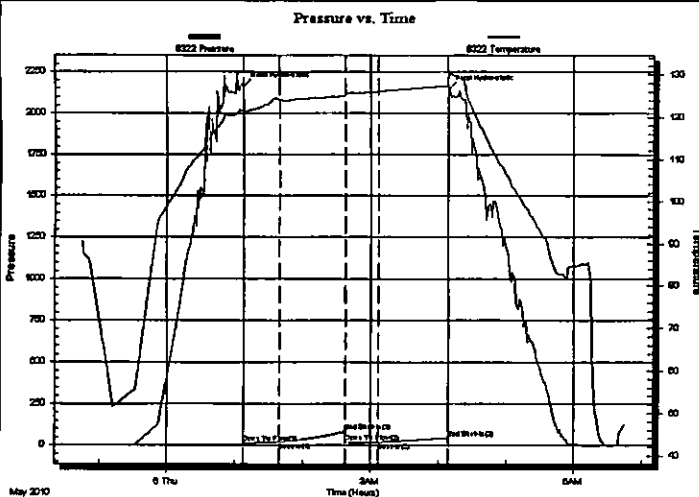
9-20s-28w Lane KS  
Job Ticket: 37879      DST#: 3  
Test Start: 2010.05.05 @ 22:45:00

## GENERAL INFORMATION:

Formation: **Marmaton/Ft Scott**  
 Deviated: **No Whipstock**      ft (KB)  
 Time Tool Opened: 01:07:30  
 Time Test Ended: 06:46:30  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Andy Carreira**  
 Unit No: **48**  
 Interval: **4402.00 ft (KB) To 4493.00 ft (KB) (TVD)**  
 Reference Elevations: **2730.00 ft (KB)**  
**2718.00 ft (CF)**  
 Total Depth: **4493.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 KB to GR/CF: **12.00 ft**

**Serial #: 8322**      Inside  
 Press@RunDepth: **21.31 psig @ 4403.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2010.05.05**      End Date: **2010.05.06**      Last Calib.: **2010.05.06**  
 Start Time: **22:45:05**      End Time: **06:46:29**      Time On Btm: **2010.05.06 @ 01:07:15**  
 Time Off Btm: **2010.05.06 @ 04:09:30**

TEST COMMENT: IF:Weak blow died in 15 min  
 IS:No return  
 FF:No blow  
 FS:No return



## PRESSURE SUMMARY

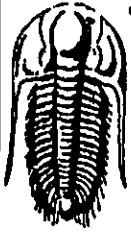
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.91	121.72	Initial Hydro-static
1	13.26	120.96	Open To Flow (1)
32	17.88	124.05	Shut-In(1)
90	82.12	125.05	End Shut-In(1)
90	19.61	125.21	Open To Flow (2)
119	21.31	126.11	Shut-In(2)
181	45.29	127.41	End Shut-In(2)
183	2145.77	130.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100% m	0.05
0.00	GIP = 0	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

McCoy Petroleum

**#1-9 Moomaw A Unit**

8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

**9-20s-28w Lane KS**

Job Ticket: 37879      DST#: 3

Test Start: 2010.05.05 @ 22:45:00

**Tool Information**

Drill Pipe:	Length: 4182.00 ft	Diameter: 3.80 inches	Volume: 58.66 bbl	Tool Weight: 1500.00 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 59.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	4402.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	111.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4383.00	
Shut In Tool	5.00			4388.00	
Hydraulic tool	5.00			4393.00	
Packer	5.00			4398.00	20.00      Bottom Of Top Packer
Packer	4.00			4402.00	
Stubb	1.00			4403.00	
Recorder	0.00	8322	Inside	4403.00	
Recorder	0.00	8166	Inside	4403.00	
Perforations	21.00			4424.00	
Change Over Sub	1.00			4425.00	
Drill Pipe	64.00			4489.00	
Change Over Sub	1.00			4490.00	
Bullnose	3.00			4493.00	91.00      Bottom Packers & Anchor

**Total Tool Length: 111.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

McCoy Petroleum

#1-9 Moomaw A Unit

8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

9-20s-28w Lane KS

Job Ticket: 37879

DST#: 3

Test Start: 2010.05.05 @ 22:45:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 8.78 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 2700.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M 100% <sub>m</sub>	0.049
0.00	GIP = 0	0.000

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

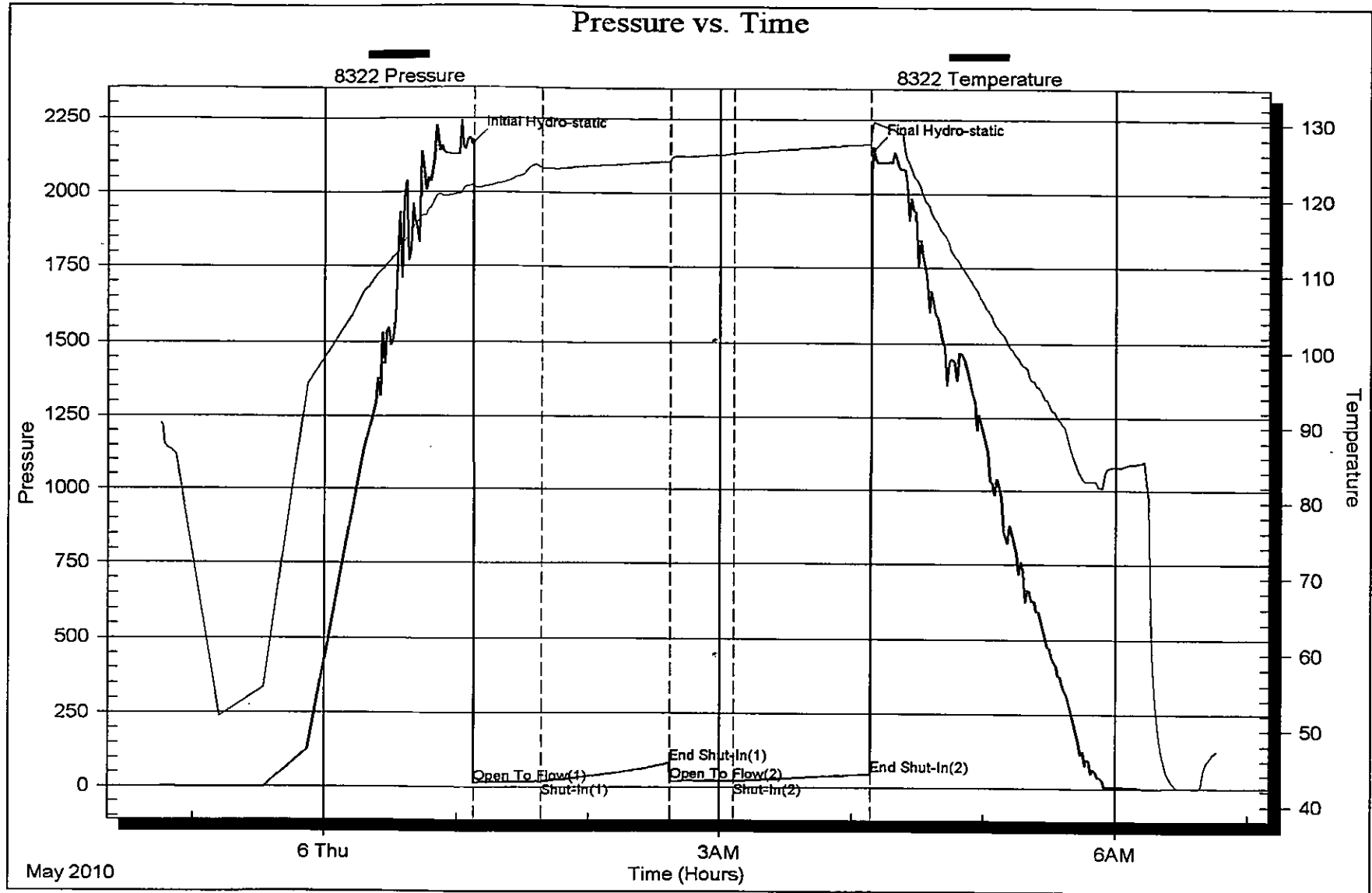
Num Gas Bombs: 0

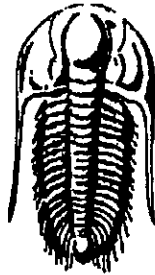
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central  
Ste 300  
Wichita, KS 67206

ATTN: Tim Priest

**9-20s-28w Lane KS**

**#1-9 Moomaw A Unit**

Start Date: 2010.05.06 @ 20:35:05

End Date: 2010.05.07 @ 05:24:45

Job Ticket #: 37880                      DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petroleum

#1-9 Moomaw A Unit

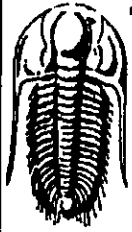
9-20s-28w Lane KS

DST # 4

Johnson

2010.05.06





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

McCoy Petroleum  
 8080 E Central  
 Ste 300  
 Wichita, KS 67206  
 ATTN: Tim Priest

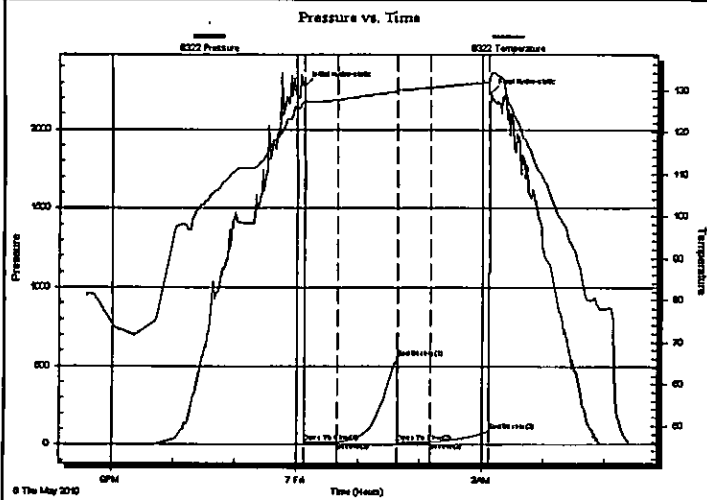
**#1-9 Moomaw A Unit**  
**9-20s-28w Lane KS**  
 Job Ticket: 37880      DST#: 4  
 Test Start: 2010.05.06 @ 20:35:05

**GENERAL INFORMATION:**

Formation: **Johnson**  
 Deviated: **No Whipstock**      ft (KB)  
 Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: **00:07:15**  
 Tester: **Andy Carreira**  
 Time Test Ended: **05:24:45**  
 Unit No: **48**  
 Interval: **4538.00 ft (KB) To 4576.00 ft (KB) (TVD)**  
 Reference Elevations: **2730.00 ft (KB)**  
 Total Depth: **4576.00 ft (KB) (TVD)**  
**2718.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 KB to GR/CF: **12.00 ft**

**Serial #: 8322**      **Inside**  
 Press@RunDepth: **16.83 psig @ 4539.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2010.05.06**      End Date: **2010.05.07**      Last Calib.: **2010.05.07**  
 Start Time: **20:35:05**      End Time: **05:24:45**      Time On Btm: **2010.05.07 @ 00:07:00**  
 Time Off Btm: **2010.05.07 @ 03:08:44**

**TEST COMMENT:** IF: Weak blow died in 10 mins.  
 IS: No return.  
 FF: No blow.  
 FS: No return.



**PRESSURE SUMMARY**

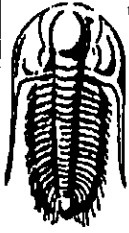
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2276.65	127.19	Initial Hydro-static
1	13.68	126.52	Open To Flow (1)
33	14.84	127.63	Shut-In (1)
91	555.61	129.65	End Shut-In (1)
91	15.61	129.68	Open To Flow (2)
123	16.83	130.59	Shut-In (2)
180	87.22	132.01	End Shut-In (2)
182	2235.75	133.97	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
10.00	Mw / oil spots 100% <sub>m</sub>	0.05
0.00	GIP = 0	0.00

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

McCoy Petroleum

**#1-9 Moomaw A Unit**

8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

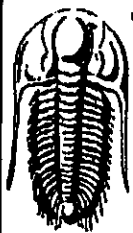
**9-20s-28w Lane KS**  
Job Ticket: 37880      **DST#: 4**  
Test Start: 2010.05.06 @ 20:35:05

**Tool Information**

Drill Pipe:	Length: 4318.00 ft	Diameter: 3.80 inches	Volume: 60.57 bbl	Tool Weight: 1500.00 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: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 61.60 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	4538.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	58.00 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			4519.00	
Shut In Tool	5.00			4524.00	
Hydraulic tool	5.00			4529.00	
Packer	5.00			4534.00	20.00      Bottom Of Top Packer
Packer	4.00			4538.00	
Stubb	1.00			4539.00	
Recorder	0.00	8322	Inside	4539.00	
Recorder	0.00	8166	Inside	4539.00	
Perforations	34.00			4573.00	
Bullnose	3.00			4576.00	38.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>58.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

McCoy Petroleum

**#1-9 Moomaw A Unit**

8080 E Central  
Ste 300  
Wichita, KS 67206  
ATTN: Tim Priest

**9-20s-28w Lane KS**  
Job Ticket: 37880      DST#: 4  
Test Start: 2010.05.06 @ 20:35:05

## 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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mw / oil spots 100% <sub>m</sub>	0.049
0.00	GIP = 0	0.000

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

