



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E. Central
Suite 300
Wichita, KS 67206

ATTN: Tim Priest

20-26s-18w Edwards K

STURGEON 'A' #2-20

Start Date: 2010.03.21 @ 00:57:00

End Date: 2010.03.21 @ 12:56:30

Job Ticket #: 36254 DST #: 1

KCC
MAY 21 2010
CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 26 2010

CONSERVATION DIVISION
WICHITA, KS

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 Corporation

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

STURGEON 'A' #2-20

20-26s-18w Edwards K

Job Ticket: 36254

DST#: 1

Test Start: 2010.03.21 @ 00:57:00

GENERAL INFORMATION:

Formation: **TORONTO**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:15:09

Time Test Ended: 12:56:30

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: 3996.00 ft (KB) To 4042.00 ft (KB) (TVD)

Total Depth: 4042.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2206.00 ft (KB)

2193.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8648

Inside

Press@RunDepth: 45.22 psig @ 4005.00 ft (KB)

Start Date: 2010.03.21

End Date:

2010.03.21

Start Time: 00:57:05

End Time:

12:56:30

Capacity: 8000.00 psig

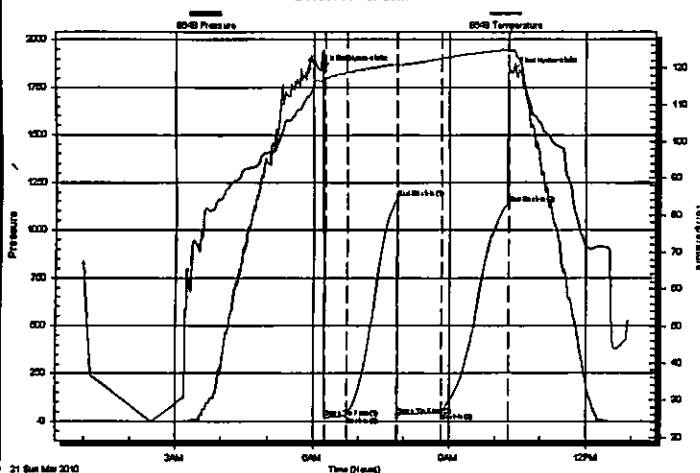
Last Calib.: 2010.03.21

Time On Btm: 2010.03.21 @ 06:11:09

Time Off Btm: 2010.03.21 @ 10:22:40

TEST COMMENT: IF: Fairly strong blow, built to BOB in 14 minutes,
FS: Bled off, no blow back.
FF: Fair blow, built to 10" in bucket.
FS: Bled off, no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1846.00	116.45	Initial Hydro-static
4	18.97	117.41	Open To Flow (1)
34	27.76	118.76	Shut-In(1)
100	1166.45	121.08	End Shut-In(1)
101	29.11	120.81	Open To Flow (2)
158	45.22	122.49	Shut-In(2)
247	1138.15	124.82	End Shut-In(2)
252	1832.25	124.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Drilling Mud 100% m	0.30
0.00	450' GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

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

STURGEON 'A' #2-20

20-26s-18w Edwards K

Job Ticket: 36254

DST#: 1

Test Start: 2010.03.21 @ 00:57:00

Tool Information

Drill Pipe:	Length: 3710.00 ft	Diameter: 3.80 inches	Volume: 52.04 bbl	Tool Weight:	2500.00 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: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose:	83000.00 lb
		Total Volume:	53.41 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	74000.00 lb
Depth to Top Packer:	3996.00 ft			Final	74000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	68.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3981.00	
Hydraulic tool	5.00			3986.00	
Packer	5.00			3991.00	20.00 Bottom Of Top Packer
Packer	5.00			3996.00	
Stubb	1.00			3997.00	
Perforations	8.00			4005.00	
Recorder	0.00	8648	inside	4005.00	
Recorder	0.00	6799	inside	4005.00	
Blank Spacing	34.00			4039.00	
Bullnose	5.00			4044.00	48.00 Bottom Packers & Anchor
Total Tool Length:	68.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

STURGEON A #2-20

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

20-26s-18w Edwards K

Job Ticket: 36254

DST#: 1

Test Start: 2010.03.21 @ 00:57:00

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Drilling Mud 100% m	0.295
0.00	450' GIP	0.000

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

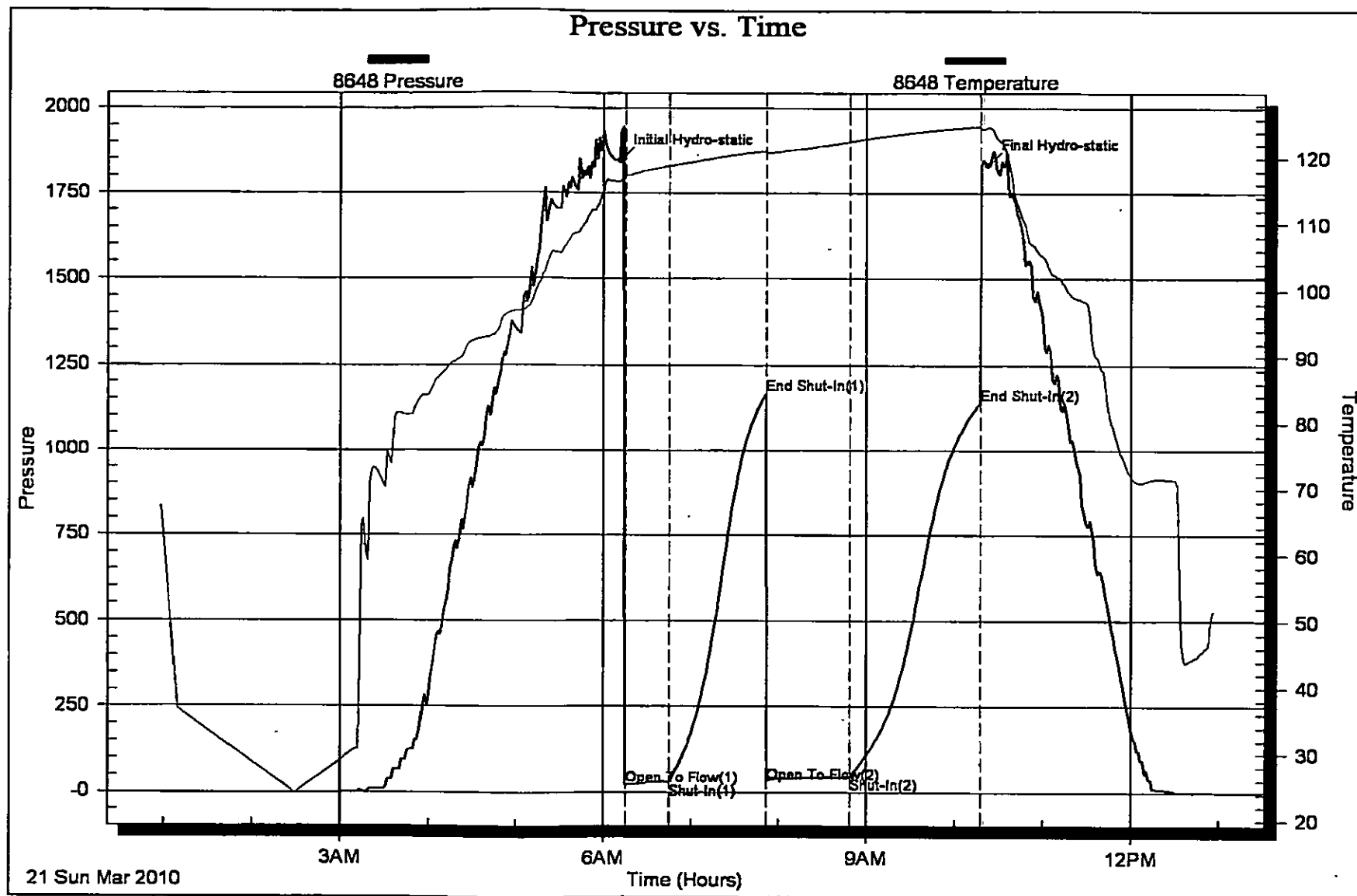
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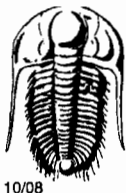
Inside

McCoy Petroleum Corporation

20-26s-18w Edwards K

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 25 2010

Test Ticket

NO. 36254 14066

Well Name & No. STURGEON 'A' #2-20 Test No. 1 Date 21 MARCH 2010
Company MLOY PETROLEUM CORPORATION Elevation 2206 KB 2193 GL
Address 8080 E. CENTRAL, SUITE 300, WICHITA, KANSAS, 67206
Co. Rep / Geo. TIM PRIEST Rig SERLING DRILLING CO. RIG #5
Location: Sec. 20 Twp. 26S Rge. 18W Co. EDWARDS State KANSAS

Interval Tested 3996-4042 Zone Tested TORONTO
Anchor Length 48 Drill Pipe Run 3710' (4 1/2" X 0) Mud Wt. 9.0
Top Packer Depth 3991 Drill Collars Run 278' (6 3/4" X 2 1/2") Vis 46
Bottom Packer Depth 3996 Wt. Pipe Run NONE WL 9.6
Total Depth 4042 Chlorides 3500 ppm System LCM 1#

Blow Description IF: FIERCELY STRONG BLOW, BUILT TO BOB IN 14 MINUTES.
ISI: BLED OFF, NO BLOWBACK.
FF: FAIR BLOW, BUILT TO 10" IN BUCKET.
FS: BLED OFF, NO BLOWBACK.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>DRILLING MUD</u>			<u>100</u>	
	<u>450' GIP</u>				

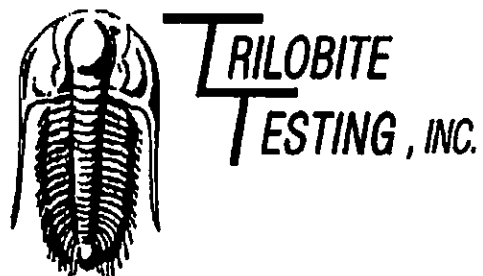
Rec Total 60 BHT 125°F Gravity NA API RW - @ - °F Chlorides NA ppm

(A) Initial Hydrostatic <u>1846</u>	☒ Test <u>10 HOURS ALLOWED 1150</u>	T-On Location <u>0000</u>
(B) First Initial Flow <u>19</u>	☐ Jars	T-Started <u>0057</u>
(C) First Final Flow <u>28</u>	☐ Safety Joint	T-Open <u>0615</u>
(D) Initial Shut-In <u>1166</u>	☒ Circ Sub <u>NO CHANGE</u>	T-Pulled <u>1017</u>
(E) Second Initial Flow <u>29</u>	☒ Hourly Standby <u>2 3/4 HOUR</u>	T-Out <u>1245</u>
(F) Second Final Flow <u>45</u>	☒ Mileage <u>92 R.T. PRATT</u>	Comments
(G) Final Shut-In <u>1138</u>	☐ Sampler	
(H) Final Hydrostatic <u>1832</u>	☐ Straddle	

Initial Open <u>30</u>	☐ Shale Packer	☐ Ruined Shale Packer
Initial Shut-In <u>60</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow <u>60</u>	☐ Extra Recorder	☐ Extra Copies
Final Shut-In <u>90</u>	☐ Day Standby	Sub Total <u>0</u>
	☐ Accessibility	Total <u>1242-</u>
	Sub Total <u>1242-</u>	

Approved By _____ Our Representative Jim E. Schumacher
Trilobite Testing Inc. shall not be liable for damaged 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.

PAI #: 785-650-7709 Thank you!



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E. Central
Suite 300
Wichita, KS 67206

ATTN: Tim Priest

20-26s-18w Edwards K

STURGEON 'A' #2-20

Start Date: 2010.03.22 @ 01:55:00

End Date: 2010.03.22 @ 13:13:00

Job Ticket #: 36255 DST #: 2

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 Corporation

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

STURGEON 'A' #2-20

20-26s-18w Edwards K

Job Ticket: 36255

DST#: 2

Test Start: 2010.03.22 @ 01:55:00

GENERAL INFORMATION:

Formation: **LANSING "B"**

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

Time Tool Opened: 05:53:50

Time Test Ended: 13:13:00

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **43**

Interval: **4162.00 ft (KB) To 4190.00 ft (KB) (TVD)**

Total Depth: **4190.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2206.00 ft (KB)**

2193.00 ft (CF)

KB to GR/CF: **13.00 ft**

Serial #: 8648

Inside

Press@RunDepth: **174.08 psig @ 4163.00 ft (KB)**

Start Date: **2010.03.22**

End Date:

2010.03.22

Capacity: **8000.00 psig**

Last Calib.: **2010.03.22**

Start Time: **01:55:05**

End Time:

13:13:00

Time On Btm: **2010.03.22 @ 05:45:50**

Time Off Btm: **2010.03.22 @ 10:03:09**

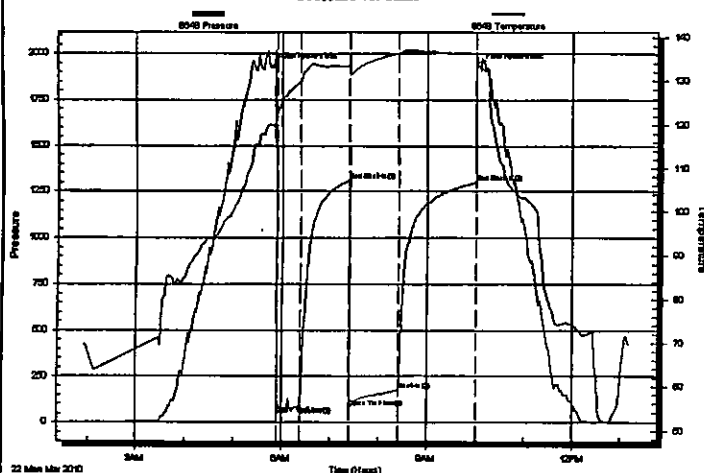
TEST COMMENT: IF: Strong blow, built to BOB in 15 seconds, GTS in 25 minutes.

IS: Bled off, blow back built to 1", slowly died off.

FF: Strong blow, built to BOB in 5 seconds, gauge gas.

FSt: Bled off, blow back

Pressure vs. Time



PRESSURE SUMMARY

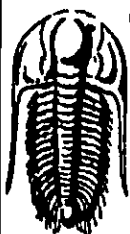
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1928.34	119.93	Initial Hydro-static
8	42.22	122.41	Open To Flow (1)
38	85.38	130.11	Shut-In (1)
98	1309.88	133.36	End Shut-In (1)
99	79.63	131.31	Open To Flow (2)
160	174.08	136.31	Shut-In (2)
255	1299.12	136.27	End Shut-In (2)
258	1929.03	134.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	SOCW 2%o 98%w	0.91
62.00	O&MCW 10%o 15%w 75%w	0.30
64.00	GO&MCW 10%g 10%o 20%w 60%w	0.62
64.00	GO&WCM 15%g 10%o 15%w 60%w	0.90
30.00	SGCO&WCM 3%g 7%o 10%w 80%w	0.42
0.00	95,000 ppm chl, no gravity check.	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	8.00	8.38
Last Gas Rate	0.13	11.00	9.51
Max. Gas Rate	0.13	11.00	9.51



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

STURGEON 'A' #2-20

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

20-26s-18w Edwards K
Job Ticket: 36255 DST#: 2
Test Start: 2010.03.22 @ 01:55:00

Tool Information

Drill Pipe:	Length: 3896.00 ft	Diameter: 3.80 inches	Volume: 54.65 bbl	Tool Weight:	2500.00 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: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose:	83000.00 lb
		Total Volume:	56.02 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	75000.00 lb
Depth to Top Packer:	4162.00 ft			Final	77000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	48.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4147.00	
Hydraulic tool	5.00			4152.00	
Packer	5.00			4157.00	20.00 Bottom Of Top Packer
Packer	5.00			4162.00	
Stubb	1.00			4163.00	
Recorder	0.00	8648	Inside	4163.00	
Recorder	0.00	6799	Inside	4163.00	
Perforations	22.00			4185.00	
Bullnose	5.00			4190.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

STURGEON 'A' #2-20

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

20-26s-18w Edwards K
Job Ticket: 36255 DST#: 2
Test Start: 2010.03.22 @ 01:55:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 46.00 sec/qt
Water Loss: 9.57 in³
Resistivity: ohm.m
Salinity: 3500.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	SOCW 2%o 98%w	0.915
62.00	O&MCW 10%o 15%m 75%w	0.305
64.00	GO&MCW 10%g 10%o 20%m 60%w	0.624
64.00	GO&WCM 15%g 10%o 15%w 60%m	0.898
30.00	SGCO&WCM 3%g 7%o 10%w 80%m	0.421
0.00	95,000 ppm chl, no gravity check.	0.000

Total Length: 406.00 ft Total Volume: 3.163 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 Corporation

STURGEON 'A' #2-20

8080 E. Central
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ATTN: Tim Priest

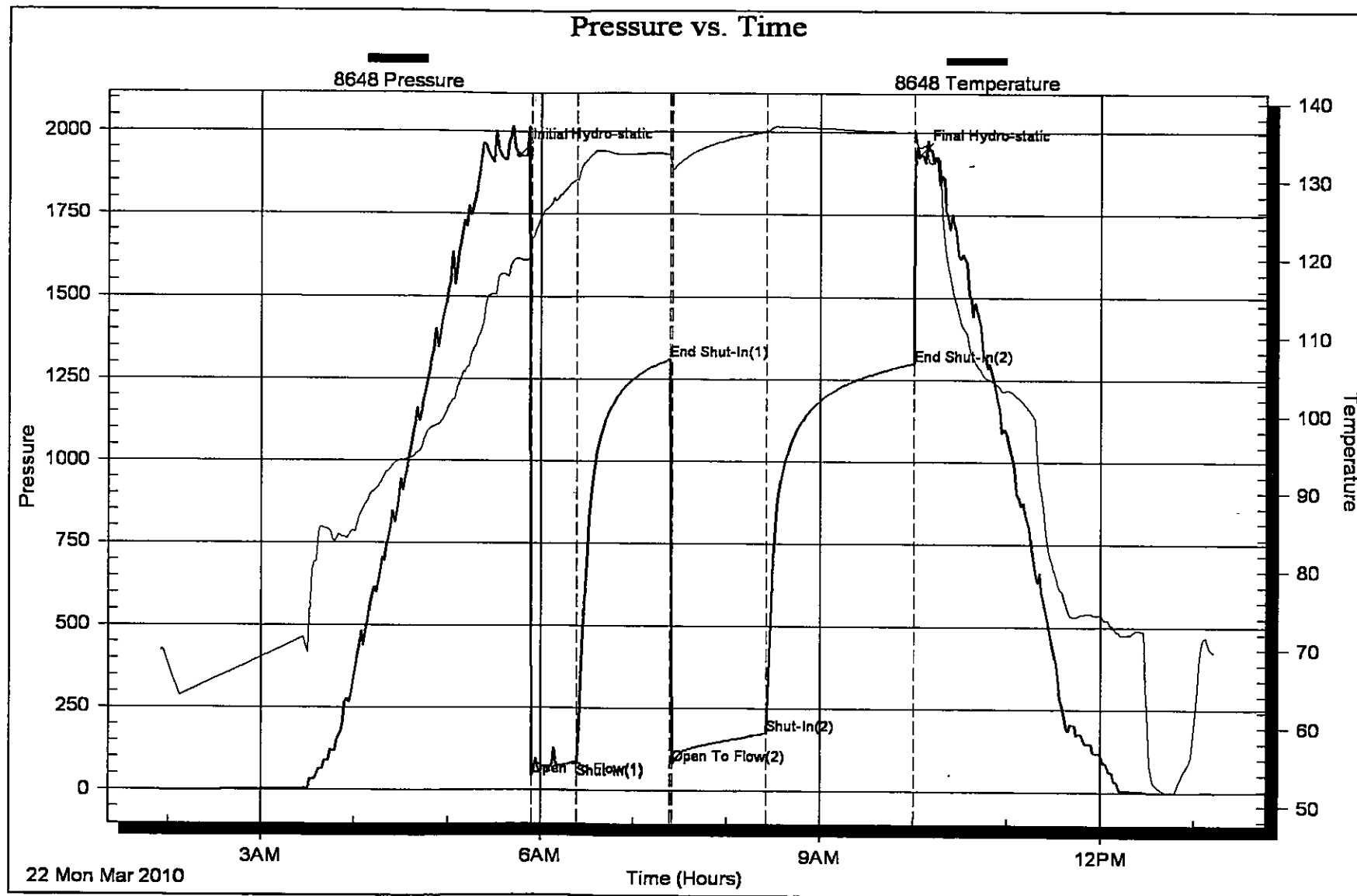
20-26s-18w Edwards K
Job Ticket: 36255 DST#: 2
Test Start: 2010.03.22 @ 01:55:00

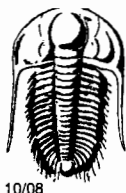
Gas Rates Information

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	0.13	8.00	8.38
2	20	0.13	9.00	8.76
2	30	0.13	9.00	8.76
2	40	0.13	10.00	9.13
2	50	0.13	11.00	9.51
2	60	0.13	11.00	9.51





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 25 2010

Test Ticket

NO. 36255

Well Name & No. SURLEON 'A' #2-20 Test No. 2 Date 22 MARCH, 2010
Company M'LEY PETROLEUM CORPORATION Elevation 2206 KB 2193 GL
Address 8080 E. CENTRAL, SUITE 300, WICHITA, KANSAS, 67206
Co. Rep / Geo. TAM FREEST Rig STERLING DRILL CO., REG #5
Location: Sec. 20 Twp. 26S Rge. 18W Co. EDWARDS State KANSAS

Interval Tested 4162 - 4190 Zone Tested LAWRENCE "B"
Anchor Length 28 Drill Pipe Run 3896 (4 1/2" x 0) Mud Wt. 9.0
Top Packer Depth 4157 Drill Collars Run 278 (6 3/4" x 2 1/4") x 0 Vis 48
Bottom Packer Depth 4162 Wt. Pipe Run NONE WL 9.2
Total Depth 4190 Chlorides 6500 ppm System LCM 2 #

Blow Description H: STRONG BLOW, BUILT TO BOB IN 15 SECONDS, GTS IN 25 MINUTES.
BI: BLED OFF, BLOWBACK BUILT TO 1", SLOWLY BLED OFF.
FI: STRONG BLOW, BUILT TO BOB IN 5 SECONDS, GUALF GAS
BT: BLED OFF, BLOWBACK BUILT TO BOB IN 20 MINUTES.

Rec	Feet of	%gas	%oil	%water	%mud
30	560 WCM	3	7	10	80
64	60 WCM	15	10	15	60
64	60 MCW	10	10	60	20
62	0 MCW	-	10	75	15
186	50 W	-	2	98	-

Rec Total 406 BHT 136°F Gravity 1.028 API RW 0.82 @ 73 °F Chlorides 95,000 ppm

(A) Initial Hydrostatic 1928 ☒ Test 10 HOURS ALLOTTED 1150 T-On Location 0130
(B) First Initial Flow 42 ☐ Jars T-Started 0155
(C) First Final Flow 85 ☐ Safety Joint T-Open 0553
(D) Initial Shut-In 1310 ☒ Circ Sub NO CHARGE T-Pulled 1000
(E) Second Initial Flow 80 ☒ Hourly Standby 1 1/2 HOUR T-Out 1300
(F) Second Final Flow 174 ☒ Mileage 92 RT. PRATT Comments
(G) Final Shut-In 1299 ☐ Sampler
(H) Final Hydrostatic 1929 ☐ Straddle

Initial Open 30 ☐ Shale Packer ☐ Ruined Shale Packer
Initial Shut-In 60 ☐ Extra Packer ☐ Ruined Packer
Final Flow 60 ☐ Extra Recorder ☐ Extra Copies
Final Shut-In 90 ☐ Day Standby Sub Total 0
☐ Accessibility Total 1242-
Sub Total 1242-

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged 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.

CELL: 785-650-7709

Thank you!



RECEIVED
MAR 25 2010

McCoy PETROLEUM CORPORATION
OPERATOR

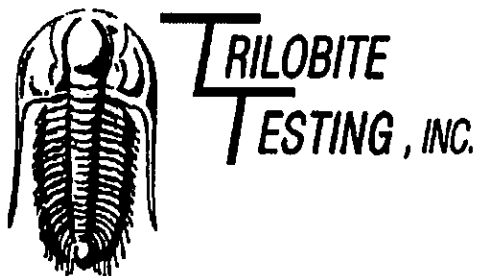
OPERATOR

STURGEON 'A' #2-20

WELL NAME AND NO.

2
DST NO.

Remarks: GAS SAMPLE RECOVERED, WILL BE SENT TO CARAWAY ANALYTICAL
LAB IN LIBERAL.



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E. Central
Suite 300
Wichita, KS 67206

ATTN: Tim Priest

20-26s-18w Edwards K

STURGEON 'A' #2-20

Start Date: 2010.03.23 @ 09:07:00

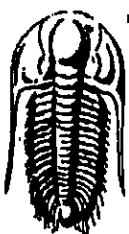
End Date: 2010.03.23 @ 18:02:30

Job Ticket #: 36256 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 Corporation

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

STURGEON 'A' #2-20

20-26s-18w Edwards K

Job Ticket: 36256

DST#: 3

Test Start: 2010.03.23 @ 09:07:00

GENERAL INFORMATION:

Formation: **LANSING, KANSAS CITY**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:16:30

Time Test Ended: 18:02:30

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: 4374.00 ft (KB) To 4428.00 ft (KB) (TVD)

Total Depth: 4428.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2206.00 ft (KB)

2193.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8648

Inside

Press@RunDepth: 59.08 psig @ 4386.00 ft (KB)

Start Date: 2010.03.23

End Date:

2010.03.23

Capacity: 8000.00 psig

Last Calib.: 2010.03.23

Start Time: 09:07:05

End Time:

18:02:30

Time On Btm: 2010.03.23 @ 11:14:30

Time Off Btm: 2010.03.23 @ 15:24:50

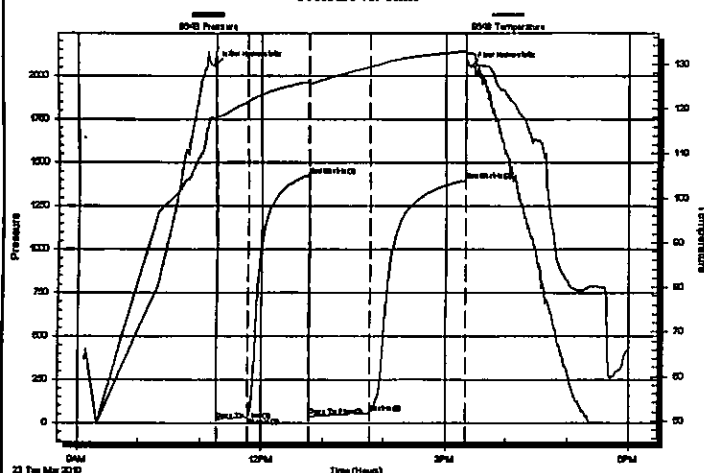
TEST COMMENT: IF: Weak blow, built to 2.25" in bucket.

IS: No blow back.

FF: Weak blow, built to 1" in bucket.

FSt: No blow back.

Pressure vs. Time



PRESSURE SUMMARY

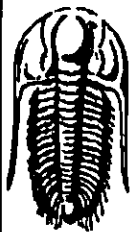
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.42	117.84	Initial Hydro-static
2	20.88	117.38	Open To Flow (1)
32	36.65	121.59	Shut-In(1)
92	1429.06	126.06	End Shut-In(1)
93	40.65	125.41	Open To Flow (2)
152	59.08	129.39	Shut-In(2)
245	1399.48	132.81	End Shut-In(2)
251	2054.63	132.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	WCM 35%w 65%m	0.15
60.00	MCW 20%w 80%w	0.30
0.00	slight trace of oil in tool	0.00
0.00	25,000 ppm chlorides	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mc/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

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

STURGEON 'A' #2-20

20-26s-18w Edwards K

Job Ticket: 36256

DST#: 3

Test Start: 2010.03.23 @ 09:07:00

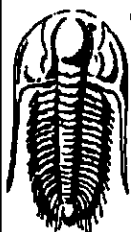
Tool Information

Drill Pipe:	Length: 4092.00 ft	Diameter: 3.80 inches	Volume: 57.40 bbl	Tool Weight:	2500.00 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: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose:	120000.0 lb
		Total Volume:	58.77 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	75000.00 lb
Depth to Top Packer:	4374.00 ft			Final	75000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	74.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4359.00	
Hydraulic tool	5.00			4364.00	
Packer	5.00			4369.00	20.00 Bottom Of Top Packer
Packer	5.00			4374.00	
Stubb	1.00			4375.00	
Perforations	11.00			4386.00	
Recorder	0.00	8648	inside	4386.00	
Recorder	0.00	6799	inside	4386.00	
Blank Spacing	32.00			4418.00	
Bullnose	10.00			4428.00	54.00 Bottom Packers & Anchor
Total Tool Length:	74.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

STURGEON 'A' #2-20

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

20-26s-18w Edwards K
Job Ticket: 36256 DST#: 3
Test Start: 2010.03.23 @ 09:07:00

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	WCM 35%w 65%m	0.148
60.00	MCW 20%m 80%w	0.295
0.00	slight trace of oil in tool	0.000
0.00	25,000 ppm chlorides	0.000

Total Length: 90.00 ft

Total Volume: 0.443 bbl

Num Fluid Samples: 0

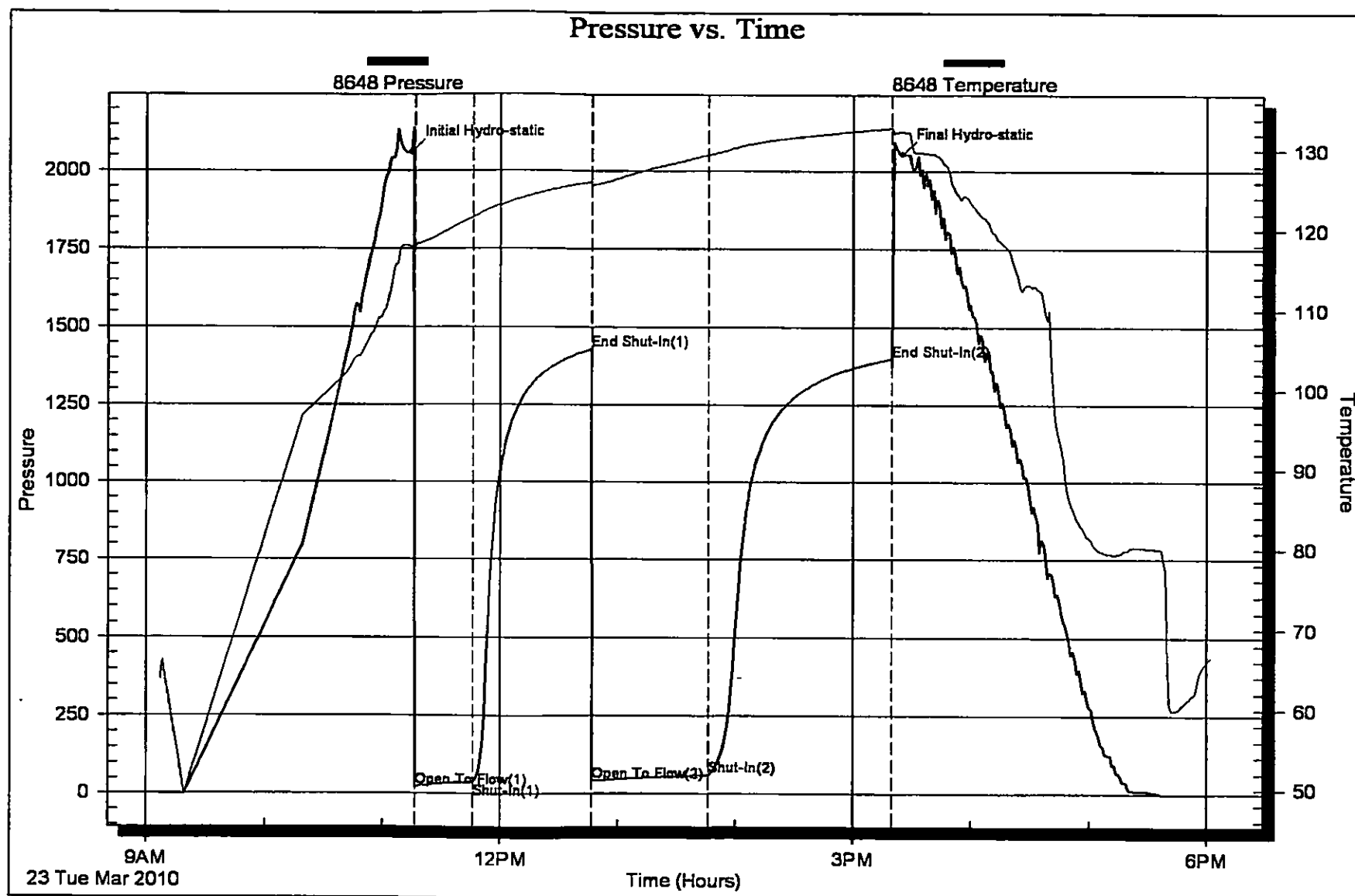
Num Gas Bombs: 0

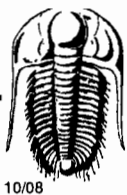
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 25 2010

Test Ticket

NO. 36256

Well Name & No. STURGEON 'A' #2-20 BY: _____ Test No. 3 Date 23 MARCH 2010
Company MCOY PETROLEUM CORPORATION Elevation 2206 KB 2193 GL _____
Address 8080 E. CENTRAL, SUITE 300, WICHITA, KANSAS, 67206
Co. Rep / Geo. TIM PREEST Rig STERLING DRILL CO. RIG #5
Location: Sec. 20 Twp. 26S Rge. 18W Co. EDWARDS State KANSAS

Interval Tested 4374 - 4428 Zone Tested LANSING, KANSAS CITY "J"
Anchor Length 54 Drill Pipe Run 4092' (4 1/2 x 3 7/8) XO Mud Wt. 9.0 P
Top Packer Depth 4369 Drill Collars Run 278' (6 3/4 x 2 1/4) XO Vis 41
Bottom Packer Depth 4374 Wt. Pipe Run NONE WL 8.8
Total Depth 4428 Chlorides 5800 ppm System LCM TR

Blow Description IF: WEAK BLOW, BUILT TO 2 1/4" IN BUCKET.
IS: NO BLOWBACK.
FF: WEAK BLOW, BUILT TO 1" IN BUCKET.
FS: NO BLOWBACK.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>WCM</u>		<u>35</u>	<u>6.5</u>	
<u>60</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	
	<u>slight oil trace in tool</u>				

Rec Total 90 BHT 133°F Gravity NA API RW 27.2 @ 72 °F Chlorides 25000 ppm

(A) Initial Hydrostatic <u>2060</u>	☒ Test <u>10 HOURS ALLOWED 1150</u>	T-On Location <u>0900</u>
(B) First Initial Flow <u>21</u>	☐ Jars _____	T-Started <u>0907</u>
(C) First Final Flow <u>37</u>	☐ Safety Joint _____	T-Open <u>1116</u>
(D) Initial Shut-In <u>1429</u>	☒ Circ Sub <u>NO CHARGE</u>	T-Pulled <u>1519</u>
(E) Second Initial Flow <u>41</u>	☐ Hourly Standby _____	T-Out <u>1800</u>
(F) Second Final Flow <u>59</u>	☒ Mileage <u>92 RT. FRAT</u>	Comments _____
(G) Final Shut-In <u>1399</u>	☐ Sampler _____	
(H) Final Hydrostatic <u>2055</u>	☐ Straddle _____	

Initial Open 30
Initial Shut-In 60
Final Flow 60
Final Shut-In 90

☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
Sub Total 1242-

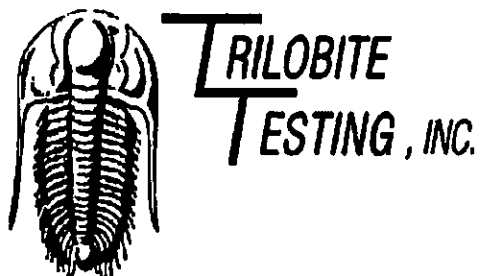
☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
Sub Total 0
Total 1242-

Approved By _____ Our Representative Scott E. Schubert

Trilobite Testing Inc. shall not be liable for damaged 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.

CELL #: 785-650-7709

Thank you!



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E. Central
Suite 300
Wichita, KS 67206

ATTN: Tim Priest

20-26s-18w Edwards K

STURGEON 'A' #2-20

Start Date: 2010.03.24 @ 02:02:00

End Date: 2010.03.24 @ 12:38:40

Job Ticket #: 36257 DST #: 4

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 Corporation

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

STURGEON 'A' #2-20

20-26s-18w Edwards K

Job Ticket: 36257

DST#: 4

Test Start: 2010.03.24 @ 02:02:00

GENERAL INFORMATION:

Formation: **SWOPE**

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

Time Tool Opened: 05:18:20

Time Test Ended: 12:38:40

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **43**

Interval: **4424.00 ft (KB) To 4443.00 ft (KB) (TVD)**

Total Depth: **4443.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2206.00 ft (KB)**

2193.00 ft (CF)

KB to GR/CF: **13.00 ft**

Serial #: 8648

Inside

Press@RunDepth: **193.99 psig @ 4425.00 ft (KB)**

Start Date: **2010.03.24**

End Date: **2010.03.24**

Start Time: **02:02:05**

End Time: **12:38:39**

Capacity: **8000.00 psig**

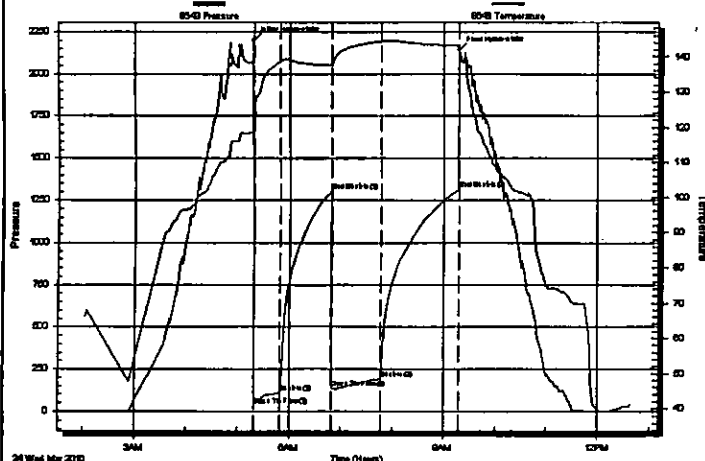
Last Calib.: **2010.03.24**

Time On Btm: **2010.03.24 @ 05:17:20**

Time Off Btm: **2010.03.24 @ 09:17:39**

TEST COMMENT: IF: Fairly strong blow, built to BOB in 7 minutes.
IS: Bled off, blow back built to 6" in bucket.
FF: Fairly strong blow, built to BOB in 4.5 minutes.
FS: Bled off, blow back built to BOB in 20 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.81	118.76	Initial Hydro-static
1	33.66	119.83	Open To Flow (1)
32	107.83	138.80	Shut-In(1)
91	1304.80	137.55	End Shut-In(1)
92	135.45	137.45	Open To Flow (2)
150	193.99	144.39	Shut-In(2)
241	1316.80	142.97	End Shut-In(2)
241	2142.78	143.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	Salt Water 100% (65,000 ppm chl)	0.91
125.00	SO&MCW 2%o 5%w 93%w	0.91
65.00	Gsy OCMW 20%g 15%o 27%w 38%w	0.91
45.00	Gsy WCOM 20%g 10%w 33%o 37%w	0.63
0.00	2645' Gas In Pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

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

STURGEON 'A' #2-20

20-26s-18w Edwards K

Job Ticket: 36257

DST#: 4

Test Start: 2010.03.24 @ 02:02:00

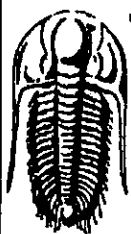
Tool Information

Drill Pipe:	Length: 4155.00 ft	Diameter: 3.80 inches	Volume: 58.28 bbl	Tool Weight:	2500.00 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: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose:	98000.00 lb
		Total Volume:	59.65 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	77000.00 lb
Depth to Top Packer:	4424.00 ft			Final	78000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	39.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4409.00	
Hydraulic tool	5.00			4414.00	
Packer	5.00			4419.00	20.00 Bottom Of Top Packer
Packer	5.00			4424.00	
Stubb	1.00			4425.00	
Recorder	0.00	8648	Inside	4425.00	
Recorder	0.00	6799	Inside	4425.00	
Perforations	13.00			4438.00	
Bullnose	5.00			4443.00	19.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

STURGEON 'A' #2-20

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

20-26s-18w Edwards K
Job Ticket: 36257 DST#: 4
Test Start: 2010.03.24 @ 02:02:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 41.00 sec/qt
Water Loss: 8.78 in³
Resistivity: ohm.m
Salinity: 5800.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	Salt Water 100% (65,000 ppm chl)	0.910
125.00	SO&MCW 2%o 5%m 93%w	0.906
65.00	Gsy OCMW 20%g 15%o 27%m 38%w	0.912
45.00	Gsy WCOM 20%g 10%w 33%o 37%m	0.631
0.00	2645' Gas In Pipe	0.000

Total Length: 420.00 ft Total Volume: 3.359 bbl

Num Fluid Samples: 0

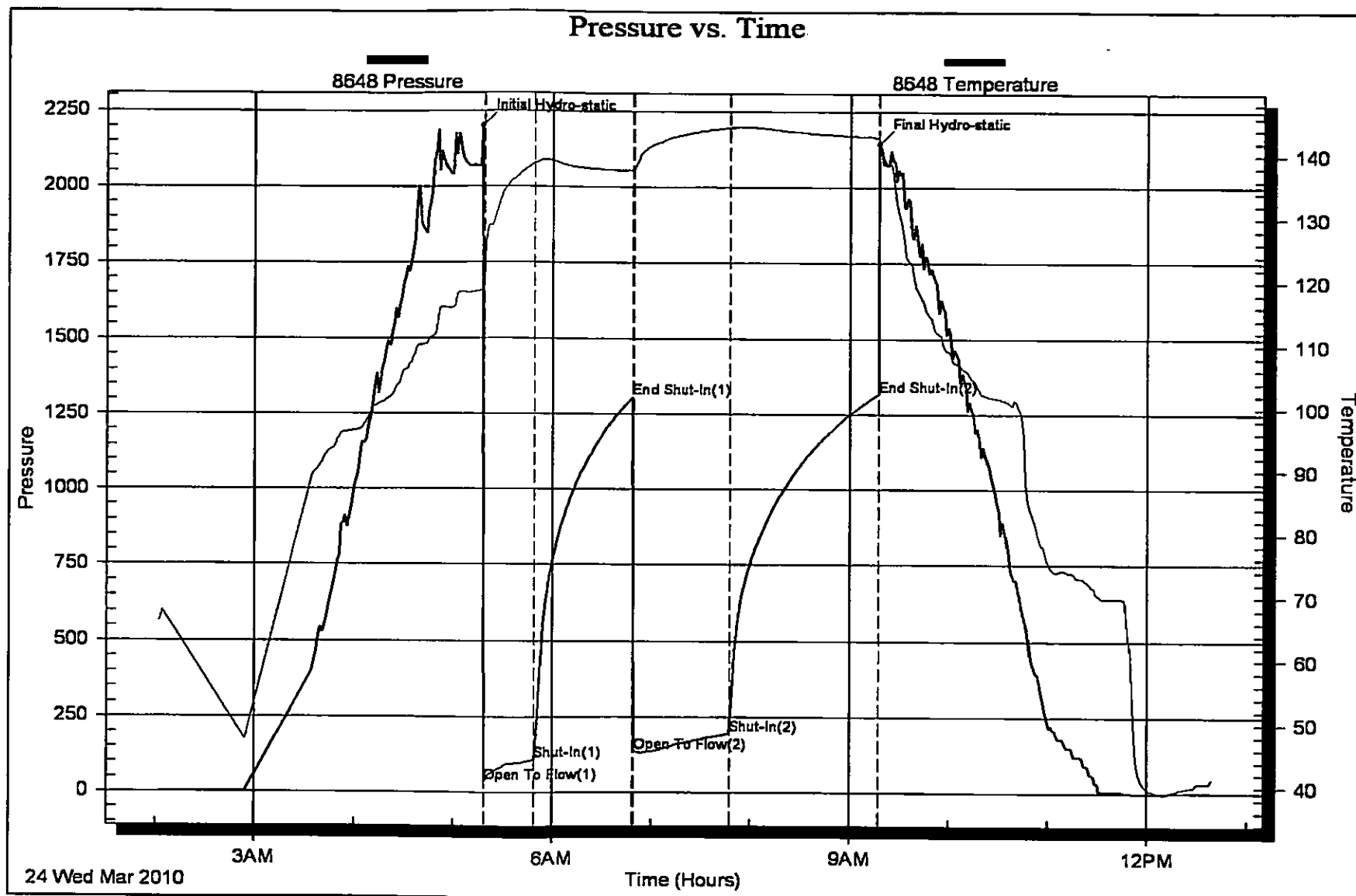
Num Gas Bombs: 0

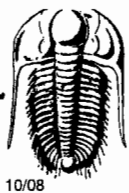
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 36257

RECEIVED
MAR 25 2010

Well Name & No. STURGEON 'A' #2-20 Test No. 4 Date 24. MARCH 2010
 Company MCOY PETROLEUM CORPORATION Elevation 2206 KB 2193 GL
 Address 8080 E. CENTRAL, SUITE 300, WICHITA, KANSAS, 67206
 Co. Rep / Geo. TIM PRIEST Rig STERLING DRUG CO. REG #5
 Location: Sec. 20 Twp. 26S Rge. 18W Co. EDWARDS State KANSAS

Interval Tested 4424-4443 Zone Tested SWOPE
 Anchor Length 19 Drill Pipe Run 4155' (4 1/2 x 3 7/8 x 0) Mud Wt. 9.0+
 Top Packer Depth 4419 Drill Collars Run 278' (6 3/4 x 2 1/4 x 0) Vis 41
 Bottom Packer Depth 4424 Wt. Pipe Run NONE WL 8.8
 Total Depth 4443 Chlorides 5800 ppm System LCM TR

Blow Description IF: FAIRLY STRONG BLOW, BUILT TO BOB IN 7 MINUTES.
ISI: BLED OFF, BLOWBACK BUILT TO 6" IN BUCKET.
FF: FAIRLY STRONG BLOW, BUILT TO BOB IN 4 1/2 MINUTES.
FSI: BLED OFF, BLOWBACK BUILT TO BOB IN 20 MINUTES.

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Gsy WCOM</u>	<u>20</u>	<u>33</u>	<u>10</u>	<u>37</u>
<u>65</u>	<u>Gsy CCMW</u>	<u>20</u>	<u>15</u>	<u>38</u>	<u>27</u>
<u>125</u>	<u>50% MCW</u>	<u>-</u>	<u>2</u>	<u>93</u>	<u>5</u>
<u>185</u>	<u>SALT WATER</u>	<u>%gas</u>	<u>%oil</u>	<u>100</u>	<u>%mud</u>
<u>-</u>	<u>2645' G.I.P.</u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>

Rec Total 420 BHT 143°F Gravity NC API RW 18.2 @ 46 °F Chlorides 65,000 ppm

(A) Initial Hydrostatic 2065 ☒ Test 1150
 (B) First Initial Flow 34 ☐ Jars
 (C) First Final Flow 108 ☐ Safety Joint
 (D) Initial Shut-In 1305 ☒ Circ Sub NO CHARGE
 (E) Second Initial Flow 130 ☐ Hourly Standby
 (F) Second Final Flow 194 ☒ Mileage 92 RT. PRATT
 (G) Final Shut-In 1317 ☐ Sampler
 (H) Final Hydrostatic 2067 ☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 1242

T-On Location 0150
 T-Started 0202
 T-Open 0518
 T-Pulled 0917
 T-Out 1200
 Comments
☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 0
 Total 1242

Approved By

Our Representative

TriLOBITE TESTING INC. shall not be liable for damaged 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.

CELL #: 785-650-7709

Thanks!