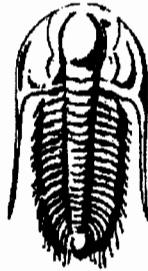


~~30-28-20W~~
~~30-28-20W~~
30-26s-20W

RELEASED
FROM
CONFIDENTIAL

RECEIVED
AUG 1, 6 2002
KCC WICHITA



TRILOBITE
TESTING, INC.

ORIGINAL

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

CONFIDENTIAL

PO Box 780208
Wichita, KS 67278-0208

KCC

AUG 0 7 2002

ATTN: Cory Baker

²⁶
~~30-28S-20W~~

CONFIDENTIAL

Speirs "A" #3-30

Start Date: 2001.05.01 @ 14:15:41

End Date: 2001.05.01 @ 23:58:11

Job Ticket #: 15712 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

McCoy Petroleum Corporation

Speirs "A" #3-30

²⁶
30-28S-20W

DST # 1

Mississippian

2001.05.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

Speirs"A"#3-30

PO Box 780208
Wichita, KS 67278-0208

30-28S-20W

Job Ticket: 15712

DST#: 1

ATTN: Cory Baker

KCC

Test Start: 2001.05.01 @ 14:15:41

GENERAL INFORMATION:

AUG 07 2002

Formation: **Mississippian**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 16:14:56
Time Test Ended: 23:58:11

CONFIDENTIAL

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

Interval: **4732.00 ft (KB) To 4789.00 ft (KB) (TYD)**
Total Depth: **4789.00 ft (KB)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2271.00 ft (KB)**
2260.00 ft (CF)
KB to GR/CF: **11.00 ft**

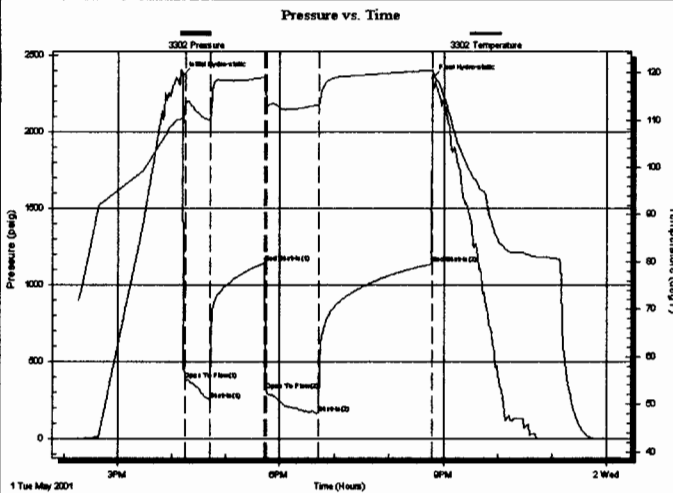
Serial #: 3302

Inside

Press@RunDepth: **163.73 psig @ 4733.00 ft (KB)**
Start Date: **2001.05.01** End Date: **2001.05.01**
Start Time: **14:15:43** End Time: **23:58:11**

Capacity: **7000.00 psig**
Last Calib.: **2002.05.02**
2001.05.01 @ 16:12:11
2001.05.01 @ 20:47:11

TEST COMMENT: FF:Strong blow b.o.b. in 30 sec.GTS in 3 mins. Gauge gas.
IS:Bled down n for 30 mins. no blow back.
FF:Strong blow b.o.b. in 10 sec. gauge gas.
FS:Bled down n for 20 mins.built back to 1/2" slowly di



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2370.63	110.40	Initial Hydro-static
3	382.00	113.52	Open To Flow (1)
31	250.46	110.09	Shut-In(1)
91	1142.08	119.05	End Shut-In(1)
93	314.03	112.44	Open To Flow (2)
151	163.73	113.17	Shut-In(2)
275	1135.83	120.50	End Shut-In(2)
275	2349.16	120.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4384.00	01 - Gas	59.23
200.00	103 - Gas and Oil cut Mud	2.81
128.00	103 -slightly gas cut mud	1.80

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	50.00	1851.42
Last Gas Rate	1.00	12.00	758.97
Max. Gas Rate	1.00	50.00	1851.42



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

Speirs"A"#3-30

PO Box 780208
Wichita, KS 67278-0208

30-28S-20W

Job Ticket: 15712

DST#: 1

ATTN: Cory Baker

Test Start: 2001.05.01 @ 14:15:41

Tool Information

Drill Pipe:	Length: 4464.50 ft	Diameter: 3.80 inches	Volume: 62.63 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: 248.50 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 63.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4732.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	80.00 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
C.O. Sub	1.00			4710.00	
S.I. Tool	5.00			4715.00	
HMV	5.00			4720.00	
Safety Joint	2.00			4722.00	
Packer	5.00			4727.00	23.00 Bottom Of Top Packer
Packer	5.00			4732.00	
Stubb	1.00			4733.00	
Recorder	0.00	3302	Inside	4733.00	
Anchor	21.00			4754.00	
Recorder	0.00	10991	Outside	4754.00	
Blank Spacing	32.00			4786.00	
Bullnose	3.00			4789.00	57.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

Speirs"A"#3-30

PO Box 780208
Wichita, KS 67278-0208

30-28S-20W

Job Ticket: 15712

DST#: 1

ATTN: Cory Baker

Test Start: 2001.05.01 @ 14:15:41

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: 0.10 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4384.00	01 - Gas	59.232
200.00	103 - Gas and Oil cut Mud	2.805
128.00	103 -slightly gas cut mud	1.796

Total Length: 4712.00 ft Total Volume: 63.833 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

McCoy Petroleum Corporation

Speirs"A"#3-30

PO Box 780208
Wichita, KS 67278-0208

30-28S-20W

Job Ticket: 15712

DST#: 1

ATTN: Cory Baker

Test Start: 2001.05.01 @ 14:15:41

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	13	1.00	50.00	1851.42
1	13	1.00	50.00	1851.42
1	23	1.00	50.00	1851.42
1	30	1.00	45.00	1707.68
2	10	1.00	45.00	1707.68
2	20	1.00	35.00	1420.19
2	30	1.00	25.00	1132.70
2	40	1.00	18.00	931.46
2	50	1.00	12.00	758.97

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KCC WICHITA

DST Test Number: 1

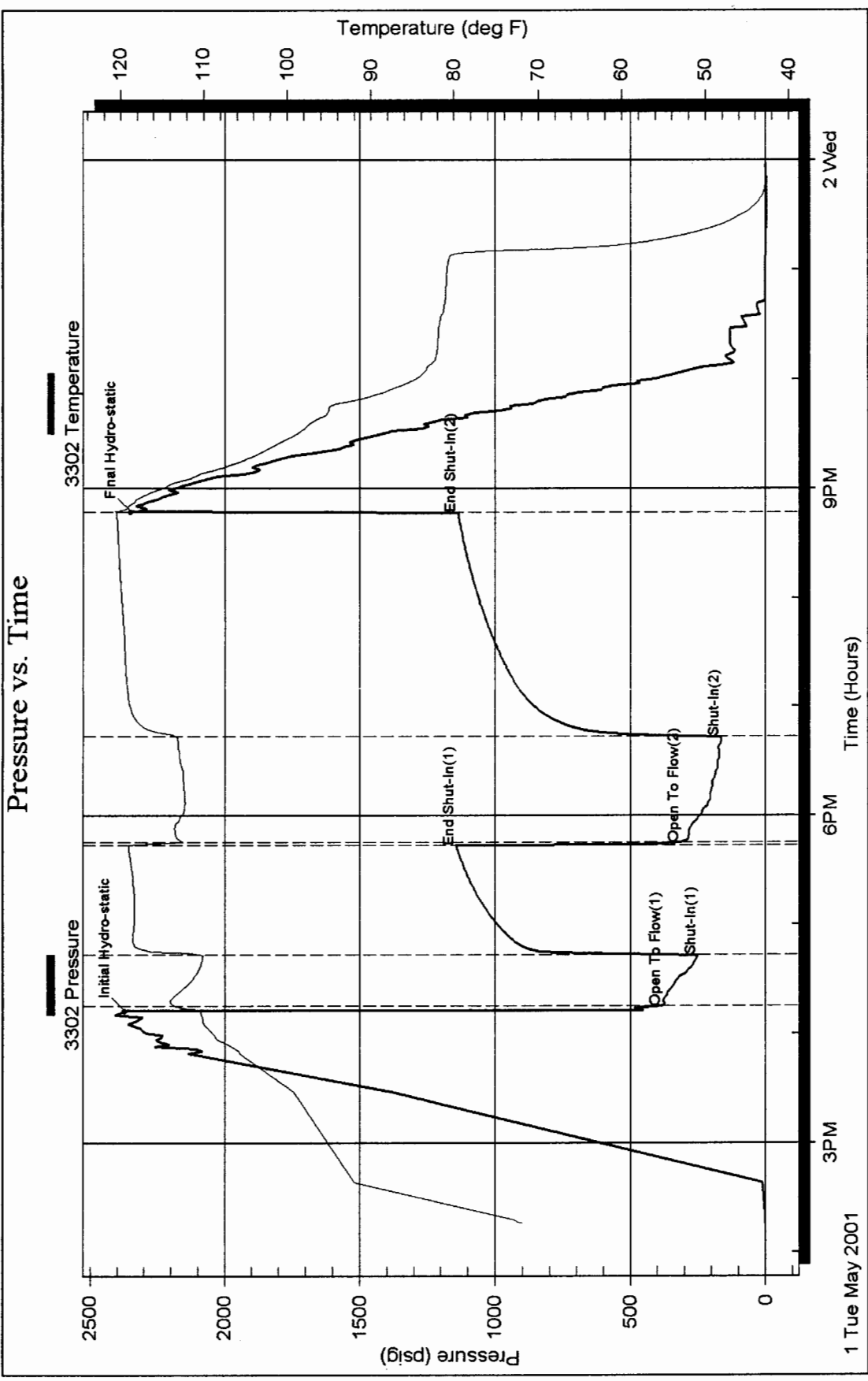
30-28S-20W

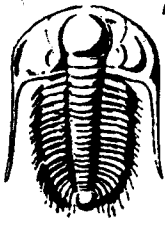
McCoy Petroleum Corporation

Inside

Serial #: 3302

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15712

Test Ticket

Well Name & No. Speirs "A" #3-30 Test No. #1 Date 5-1-02
 Company McCoy Petroleum Corporation Zone Tested M.S.S.
 Address P.O. box 780208 Wichita, KS 67278-0208 Elevation 2271 KB 2260 GL
 Co. Rep / Geo. Cory Baker Cont. Sterling #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 30 Twp. 28S Rge. 20 W Co. Edwards State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4732' - 4789' Initial Str Wt./Lbs. 68000 Unseated Str Wt./Lbs. 68000
 Anchor Length 57' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 25000
 Top Packer Depth 4727' Tool Weight 2100
 Bottom Packer Depth 4732' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 4789' Wt. Pipe Run N/A Drill Collar Run 248.50
 Mud Wt. 9.6 LCM 0 Vis. 55 WL 9.6 Drill Pipe Size 7 1/2 x H Ft. Run 4496.50

Blow Description IF: Strong blow b.o.b. in 30 sec. 675 in 3 mins.
1ST: Bled down for 30 mins. No blowback
FF: Strong blow b.o.b. in 10 sec. Gauge Out.
2ST: Bled down for 20 mins. built back to 1/2" slowly in 30 mins.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>120</u> Feet Of <u>56CM</u>	<u>4384</u>	<u>248</u>	
Rec. <u>200</u> Feet Of <u>1680CM</u>		<u>20% gas</u>	<u>0% oil</u> <u>90% water</u> <u>0% mud</u>
Rec. <u>4384</u> Feet Of <u>GIP</u>		<u>40% gas</u>	<u>15% oil</u> <u>45% water</u> <u>0% mud</u>
Rec. _____ Feet Of _____		% gas	% oil % water % mud
Rec. _____ Feet Of _____		% gas	% oil % water % mud

BHT 121° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 2600 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		<u>2393</u>		<u>3302</u>	<u>1330</u>
(B) First Initial Flow Pressure		<u>382</u>		(depth) <u>4733'</u>	T-Started <u>1415</u>
(C) First Final Flow Pressure		<u>252</u>		Recorder No. <u>10991</u>	T-Open <u>1640</u>
(D) Initial Shut-In Pressure		<u>1142</u>		(depth) <u>4754'</u>	T-Pulled <u>2110</u>
(E) Second Initial Flow Pressure		<u>314</u>		Recorder No. _____	T-Out <u>2358</u>
(F) Second Final Flow Pressure		<u>165</u>		(depth) _____	T-Off Location <u>0100</u>
(G) Final Shut-in Pressure		<u>1135</u>		PSI Initial Opening <u>30</u>	Test <u>800</u>
(Q) Final Hydrostatic Mud		<u>2323</u>		PSI Initial Shut-in <u>60</u>	Jars <u>0</u>
				Final Flow <u>60</u>	Safety Joint <u>50</u>
				Final Shut-in <u>120</u>	Straddle _____

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Approved By Cory A. Baker
 Our Representative Darwin L. ...

Extra Packer _____
 Elec. Rec. 150
 Mileage 75
 Other 1 hr 30
 TOTAL PRICE \$ 1105

10:28

CHART PAGE

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

