



DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

P.O.Box 780208
Wichita Ks. 67278

ATTN: David Clothier

16-34s-25w Clark KS

Easterday Gas Unit #3-16

Start Date: 2002.11.28 @ 22:26:21

End Date: 2002.11.29 @ 08:39:21

Job Ticket #: 16531 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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TESTING, INC.**

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McCoy Petr. Corp.

Easterday Gas Unit #3-16

P.O. Box 780208
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Job Ticket: 16531

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ATTN: David Clothier

Test Start: 2002.11.28 @ 22:26:21

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:58:36

Time Test Ended: 08:39:21

Test Type: Conventional Straddle

Tester: Gary Pevoteaux

Unit No: 23

Interval: **5666.00 ft (KB) To 5725.00 ft (KB) (TVD)**

Reference Elevations: 2063.00 ft (KB)

Total Depth: 5800.00 ft (KB) (TVD)

2052.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 11.00 ft

Serial #: 2342

Inside

Press@RunDepth: 101.71 psig @ 5667.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2002.11.28

End Date:

2002.11.29

Last Calib.: 2002.11.29

Start Time: 22:26:22

End Time:

08:39:21

Time On Btm: 2002.11.29 @ 00:57:06

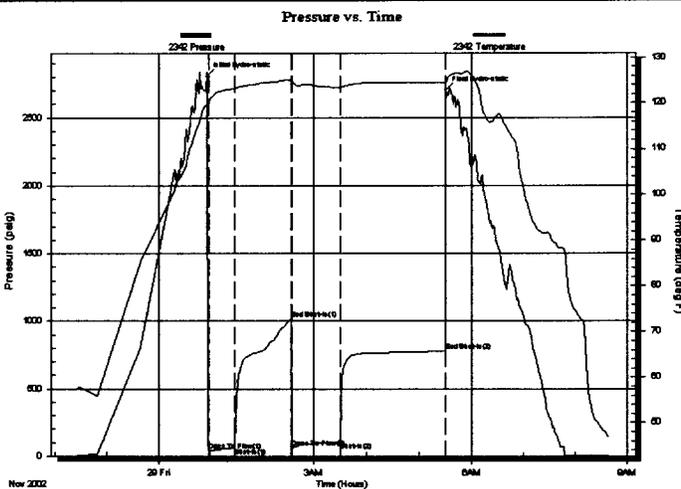
Time Off Btm: 2002.11.29 @ 05:30:36

TEST COMMENT: F:Strong blow . B.O.B. in 1 min. GTS in 31 mins.

IS:No blow .

FF:Strong blow . (see gas volume report)

FS:No blow .



PRESSURE SUMMARY

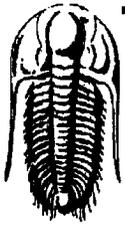
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2804.19	119.90	Initial Hydro-static
2	43.55	120.27	Open To Flow (1)
32	61.34	123.26	Shut-in(1)
97	1016.19	125.16	End Shut-in(1)
98	63.78	125.06	Open To Flow (2)
153	101.71	123.49	Shut-in(2)
274	778.00	124.47	End Shut-in(2)
274	2702.72	124.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Drig.mud	0.64

Gas Rates

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



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TOOL DIAGRAM

McCoy Petl. Corp.

Easterday Gas Unit #3-16

P.O.Box 780208
Wichita Ks. 67278

16-34s-25w Clark KS

Job Ticket: 16531

DST#: 1

ATTN: David Clothier

Test Start: 2002.11.28 @ 22:26:21

Tool Information

Drill Pipe:	Length: 5069.00 ft	Diameter: 3.80 inches	Volume: 71.10 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: 24000.00 lb
Drill Collar:	Length: 585.00 ft	Diameter: 2.25 inches	Volume: 2.88 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 73.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 81000.00 lb
Depth to Top Packer:	5666.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	5725.00 ft			
Interval between Packers:	59.00 ft			
Tool Length:	156.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5645.00	
S.I. Tool	5.00			5650.00	
HMV	5.00			5655.00	
Safety Joint	2.00			5657.00	
Packer	4.00			5661.00	22.00 Bottom Of Top Packer
Packer	5.00			5666.00	
Stubb	1.00			5667.00	
Recorder	0.00	2342	Inside	5667.00	
Perforations	5.00			5672.00	
C.O. Sub	1.00			5673.00	
Blank Spacing	31.00			5704.00	
C.O. Sub	1.00			5705.00	
Perforations	16.00			5721.00	
Recorder	0.00	10290	Outside	5721.00	
Blank Off Sub	1.00			5722.00	
T.C.	3.00			5725.00	59.00 Tool Interval
Packer	0.00			5725.00	
Stubb	1.00			5726.00	
Perforations	5.00			5731.00	
C.O. Sub	1.00			5732.00	
Blank Spacing	62.00			5794.00	
C.O. Sub	1.00			5795.00	
Recorder	0.00	13222	Below	5795.00	
Bullhose	5.00			5800.00	75.00 Bottom Packers & Anchor
Total Tool Length:	156.00				



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FLUID SUMMARY

McCoy Petl. Corp.

Easterday Gas Unit #3-16

P.O.Box 780208
Wichita Ks. 67278

16-34s-25w Clark KS

Job Ticket: 16531 **DST#: 1**

ATTN: David Clothier

Test Start: 2002.11.28 @ 22:26:21

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:	5000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

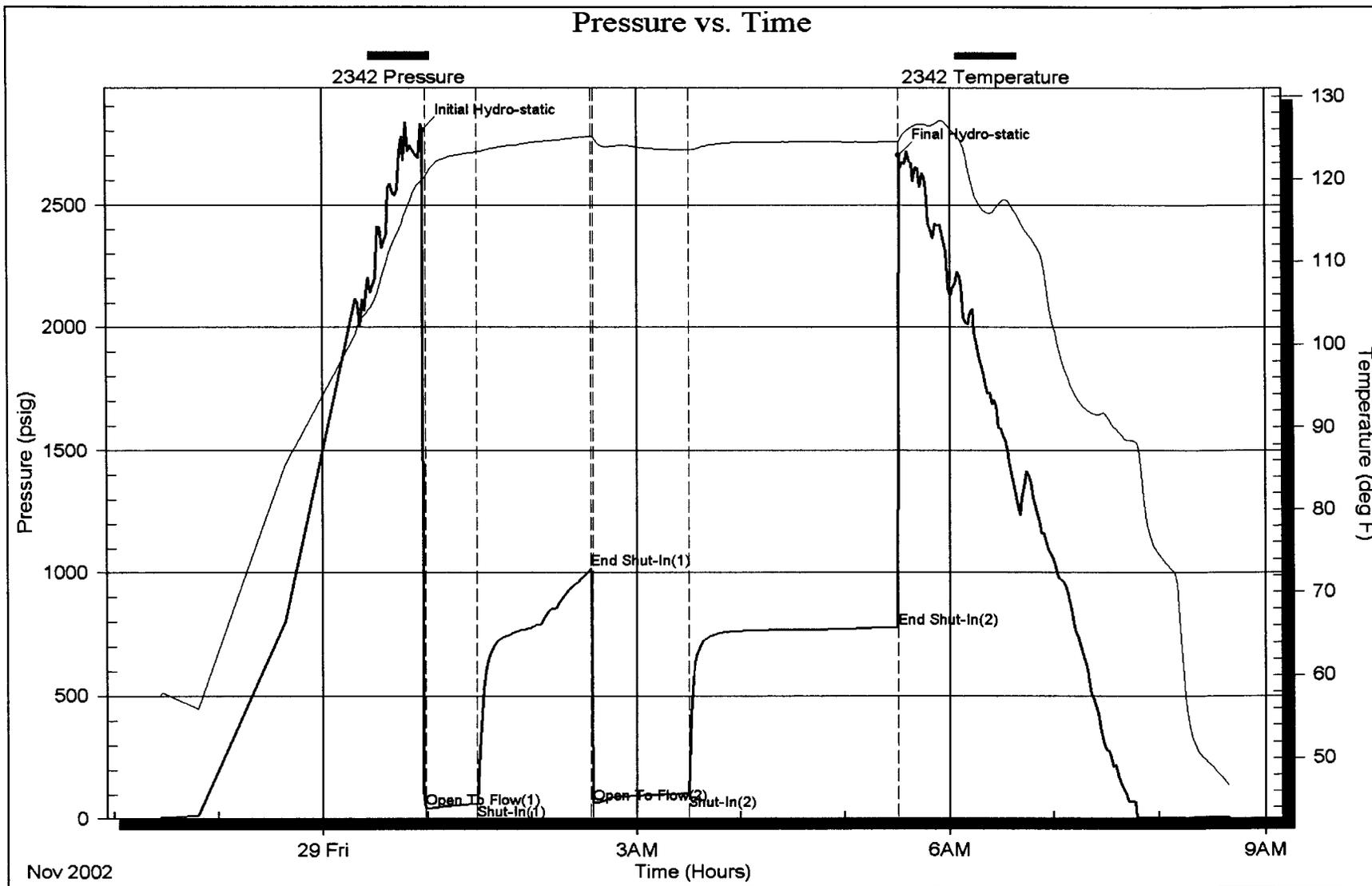
Length ft	Description	Volume bbl
130.00	Drig.mud	0.639

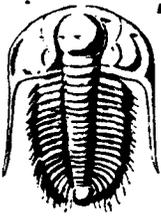
Total Length: 130.00 ft Total Volume: 0.639 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: gp-1

Laboratory Name: Caraway Laboratory Location: Liberal KS

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

TIN #5271 #1600

No 16531

Test Ticket

Well Name & No. Easterday Cross Unit #3-16 Test No. 1 Date 11-28-2009
 Company McCoy Petr. Corp. Zone Tested Chuster
 Address P.O. Box 780208, Wichita, Ks. 67278 Elevation 2063 KB 2052 GL
 Co. Rep / Geo. David Clothier Cont. Murfin Dalg. # 22 Est. Ft. of Pay Por. %
 Location: Sec. 16 Twp. 34S Rge. 25W Co. Clark State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5666 - 5725' Initial Str Wt./Lbs. 81,000 Unseated Str Wt./Lbs. 82,000
 Anchor Length 59' Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 90,000
 Top Packer Depth 5666' & 5666' Tool Weight 2100 #
 Bottom Packer Depth 5725' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5800' Wt. Pipe Run None Drill Collar Run 585'
 Mud Wt. 9.3 LCM 4# Vis. SS WL 0.0cc. Drill Pipe Size 4 1/2" X.H. Ft. Run 5069'
 Blow Description IF: Strong blow, 130.3 in 1 min. - GTS in 31 mins. ISI: No blow.
FF: Strong blow. (see gas volume report) FSI: No blow.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>130</u>	<u>yes</u>	<u>130</u>	<u>0</u>
Rec. <u>130</u> Feet Of <u>Dalg. Mud</u>		%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
Rec. <u> </u> Feet Of <u> </u>		%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
Rec. <u> </u> Feet Of <u> </u>		%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	
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Rec. <u> </u> Feet Of <u> </u>		%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>	

BHT 124 °F Gravity N/A °API D@ °F Corrected Gravity N/A °API
 RW N.C. @ 2 °F Chlorides 5,000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	PSI Recorder No.	T-On Location
<u>2833</u>		<u>alp</u>	<u>2342</u>	<u>2130</u>
(B) First Initial Flow Pressure		<u>43</u>	(depth) <u>5667'</u>	T-Started <u>2236</u>
(C) First Final Flow Pressure		<u>61</u>	PSI Recorder No. <u>10290</u>	T-Open <u>0058</u>
(D) Initial Shut-In Pressure		<u>1016</u>	(depth) <u>5721'</u>	T-Pulled <u>0530</u>
(E) Second Initial Flow Pressure		<u>64</u>	PSI Recorder No. <u>13222</u>	T-Out <u>0839</u>
(F) Second Final Flow Pressure		<u>102</u>	(depth) <u>5795'</u>	T-Off Location <u>1010</u>
(G) Final Shut-in Pressure		<u>778</u>	PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>900</u> 900
(Q) Final Hydrostatic Mud		<u>2648</u>	PSI Initial Shut-in <u>60</u>	Jars <u> </u>
			Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u> 50
			Final Shut-in <u>120</u>	Straddle <input checked="" type="checkbox"/> <u>250</u> 250
			<u>4</u>	Circ. Sub <u> </u>
				Sampler <u> </u>
				Extra Packer <input checked="" type="checkbox"/> <u>150</u> 150 150
				Elec. Rec. <input checked="" type="checkbox"/> <u>150</u> 150 100
				Mileage <input checked="" type="checkbox"/> <u>100</u> 9600
				Other <u>2hrs stand</u> <u>60</u>
				TOTAL PRICE \$ <u>1600</u> 9660

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 Gary F. [Signature]

Extra Packer 150 150 150
 Elec. Rec. 150 150 100
 Mileage 100 9600
 Other 2hrs stand 60
 TOTAL PRICE \$ 1600 9660

**McCoy Petroleum Corporation
Easterday Gas Unit #3-16
NW SE Sec. 16-34S-25W
Clark County, KS**

Please send the specified number of prints of each test on the above well to the companies or individuals listed below. Please confirm distribution of printed material by mail: To McCoy Petroleum Corp., 453 S. Webb Road P.O. Box 780208, Wichita, KS or by fax to: (316) 636-2741 Attn: Scott Hampel

Drill Stem Test Reports

McCoy Petroleum Corp.

P.O. Box 780208
Wichita, KS 67207

1 Copy
Log Fax: (316) 618-4206

***After 5:00 P.M. and on weekends and holidays**

Fax Dst information to:

Roger McCoy (316) 733-7106

CHART PAGE

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

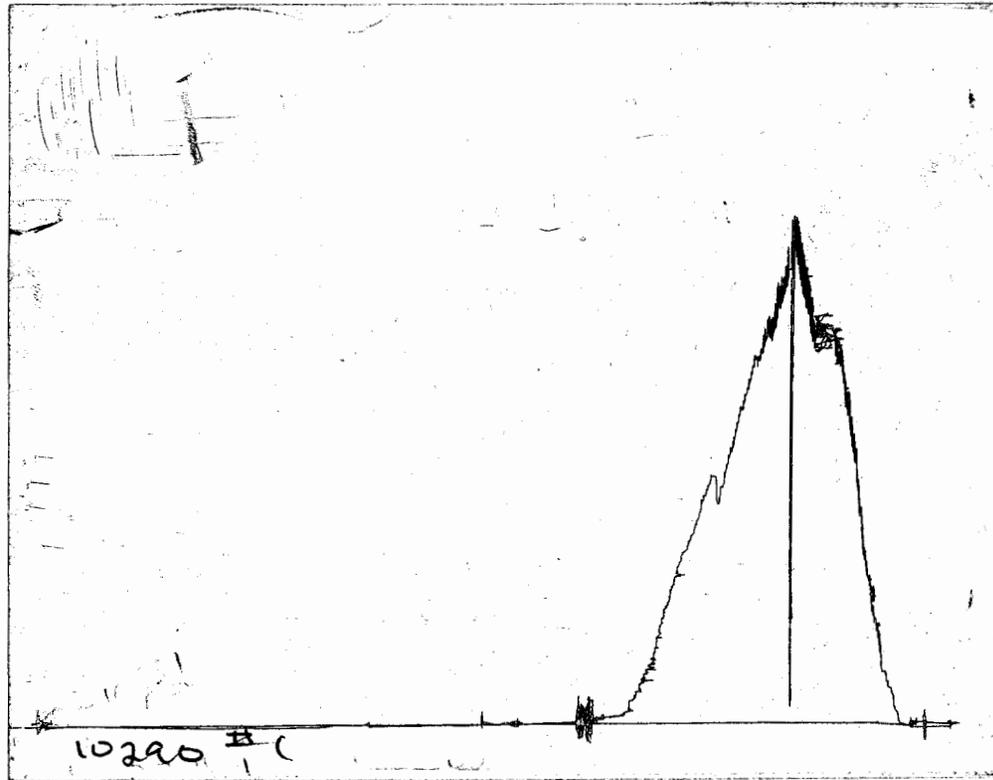


CHART PAGE

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