

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form AGO-1
October 2008
Form Must Be Typed

9/7/12

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4767
Name: Ritchie Exploration, Inc.
Address 1: P.O. Box 783188
Address 2: _____
City: Wichita State: KS Zip: 67278 + 3118
Contact Person: John Niemberger
Phone: (316) 691-9500
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Tom Funk
Purchaser: _____

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Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover _____
_____ Oil _____ SWD _____ SLOW _____
_____ Gas _____ ENHR _____ SIGW _____
_____ CM (Coal Bed Methane) _____ Temp. Abd. _____
 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. _____ Conv. to SWD _____
_____ Plug Back: _____ Plug Back Total Depth _____
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
6/5/10 6/14/10 6/14/10
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 057-20683-00-00
Spot Description: 240' S & 20' W of
C S/2 SE NE Sec. 5 Twp. 26 S. R. 22 East West
2550 Feet from North / South Line of Section
680 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ford
Lease Name: Melvin Habiger Well #: 1
Field Name: _____
Producing Formation: _____
Elevation: Ground: 2418 Kelly Bushing: 2430
Total Depth: 4960 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 315 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 cmf.

Drilling Fluid Management Plan PANY 9-1010
(Data must be collected from the Reserve Pit)
Chloride content: 19500 ppm Fluid volume: 1100 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: _____
Title: Production Manager Date: 9/7/10
Subscribed and sworn to before me this 7th day of September,
20 10.
Notary Public: Debra K Phillips
Date Commission Expires: 5-4-11

DEBRA K. PHILLIPS
Notary Public - State of Kansas
My Appt Expires 5-4-11

KCC Office Use ONLY
 Letter of Confidentiality Received 9/7/10 9/7/12
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
_____ UIC Distribution

RECEIVED

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Operator Name: Ritchie Exploration, Inc. Lease Name: Melvin Habiger Well #: 1
 Sec. 5 Twp. 26 S. R. 22 East West County: Ford

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 <i>(Attach Additional Sheets)</i> 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 <i>(Submit Copy)</i> List All E. Logs Run: Radiation Guard Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum SEE ATTACHED <div style="text-align: center; font-weight: bold; font-size: 1.2em;"> SEP 07 2010 CONFIDENTIAL </div>
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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	24	315	common	220	3%cc, 2%gel

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 <i>(Amount and Kind of Material Used)</i>	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 Entr. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

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: _____ _____
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RITCHIE

EXPLORATION, INC.
Wichita, Kansas

#1 Melvin Habiger

2550' FNL & 680' FEL

240' S & 20' W of C S/2 SE NE Section 5-26S-22W

Ford County, Kansas

API# 15-057-20683-0000

Elevation: GL: 2418', KB: 2430'

Sample Tops			Ref. Well
Anhydrite	1497'	+933	-1
B/Anhydrite	1525'	+905	flat
Heebner	4118'	-1688	-2
Lansing	4232'	-1802	-6
Lansing "C"	4265'	-1835	-6
Muncie Shale	4408'	-1978	-2
Stark Shale	4506'	-2076	-2
Hush.	4567'	-2137	flat
Lansing "L"	4579'	-2149	+3
BKC	4601'	-2171	+1
Altamont	4653'	-2223	+1
Fort Scott	4763'	-2333	-1
Cherokee Shale	4784'	-2354	-2
Lower Cher. Shale	4819'	-2389	-5
Atoka	4864'	-2434	-7
Mississippian	4890'	-2460	-8
RTD	4960'	-2530	

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CORNER

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P.O. Box 783188
Wichita, Kansas 67278-3188

(316) 691-9500
Fax (316) 691-9550
rei@ritchie-exp.com

8100 E. 22nd St. N., Bldg. 700
Wichita, Kansas 67226-2328

ALLIED CEMENTING CO., LLC. 039266

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Merwin Hasigen

OK

DATE 6-6-10	SEC. 5	TWP. 26	RANGE 22	CALLED OUT	ON LOCATION 12:30AM	JOB START 4:00AM	JOB FINISH 4:30AM
LEASE <i>Wichita etc</i>	WELL # #1	LOCATION <i>Spencerille Bldg 15</i>			COUNTY Ford	STATE KS	
OLD OR NEW (Circle one) <u>NEW</u>				<i>1E-125 etc</i>			

CONTRACTOR *Duke #1*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *322*

CASING SIZE *8 1/2* 24" DEPTH *322'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15'*

PERFS.

DISPLACEMENT *19.5*

OWNER

CEMENT

AMOUNT ORDERED *3000 lbs Com 370cc*

2700 gel

used 220 gk

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EQUIPMENT

PUMP TRUCK CEMENTER *Fuzzy*

431 HELPER *Kelly*

BULK TRUCK

4364 DRIVER *Brian (ml)*

BULK TRUCK

DRIVER

COMMON	<i>220</i>	@	<i>1365</i>	<i>3003⁰⁰</i>
POZMIX		@		
GEL	<i>4</i>	@	<i>204</i>	<i>= 81.60</i>
CHLORIDE	<i>8</i>	@	<i>575</i>	<i>4572⁰⁰</i>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>232</i>	@	<i>215</i>	<i>4872⁰⁰</i>
MILEAGE	<i>10 use 4 mile</i>			<i>1322⁰⁰</i>
TOTAL				<i>5351.40</i>

REMARKS:

cement did circulate

Approx 10 BAGS

Plug down @ 4:30am

Thanks Fuzzy team

SERVICE

DEPTH OF JOB *322'*

PUMP TRUCK CHARGE *999⁰⁰*

EXTRA FOOTAGE @

MILEAGE *57* @ *7⁰⁰* *399*

MANIFOLD @

TOTAL *1398⁰⁰*

CHARGE TO: *R. Schick Exploration*

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1.8718 plug @ *40⁰⁰*

TOTAL *40⁰⁰*

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Mike Coffey*

SIGNATURE *Mike Coffey*

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

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FR

ALLIED CEMENTING CO., LLC. 30771

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Liberia K.S.

DATE <u>6-15-10</u>	SEC. <u>5</u>	TWP. <u>26</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>3:00 AM</u>	JOB FINISH <u>3:30 AM</u>
LEASE <u>Habiger</u>		WELL# <u>1</u>	LOCATION <u>Vec Spearville K.S.</u>			COUNTY <u>Ford</u>	STATE <u>K.S.</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Duke #1

TYPE OF JOB PTA

HOLE SIZE <u>7 1/8</u>	T.D.
CASING SIZE <u>8 5/8</u>	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>1560</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

OWNER _____

CEMENT

AMOUNT ORDERED 240^{sq} x 60/40 4% gel
1/4# Flo Seal

COMMON _____	@ _____	
POZMIX _____	@ _____	
GEL _____	@ _____	
CHLORIDE _____	@ _____	
ASC _____	@ _____	
<u>Light weight 240</u>	@ <u>14.05</u>	<u>3372.00</u>
HANDLING <u>240</u>	@ <u>2.40</u>	<u>576.00</u>
MILEAGE _____		<u>1368.00</u>
TOTAL		<u>5316.00</u>

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EQUIPMENT

PUMP TRUCK # <u>372</u>	CEMENTER <u>Kenny</u>
BULK TRUCK # <u>495-468</u>	HELPER <u>Darin</u>
BULK TRUCK # _____	DRIVER <u>Cesar</u>
BULK TRUCK # _____	DRIVER _____

REMARKS:
THANK YOU!!!

SERVICE

DEPTH OF JOB _____		<u>1560</u>
PUMP TRUCK CHARGE _____		<u>1017.00</u>
EXTRA FOOTAGE _____	@ _____	
MILEAGE <u>57</u>	@ <u>7.00</u>	<u>399.00</u>
MANIFOLD _____	@ _____	
TOTAL		<u>1416.00</u>

CHARGE TO: Ritchie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@ <u>N/A</u>	
_____	@ _____	
_____	@ _____	
_____	@ _____	
_____	@ _____	
TOTAL		_____

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Mike Godfrey

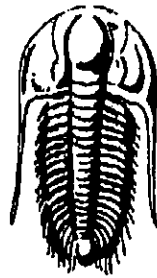
SIGNATURE Mike Godfrey

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

8100 E 22ND St N #700 Wichita, KS 67278

ATTN: Tom Funk

5 26 22 Ford KS

Habiger 1

Start Date: 2010.06.11 @ 23:53:32

End Date: 2010.06.12 @ 02:34:27

Job Ticket #: 37642 DST #: 1

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

Ritchie Exploration, Inc.

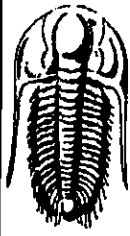
Habiger 1

5 26 22 Ford KS

DST # 1

Altomont B

2010.06.11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Ritchie Exploration, Inc.
 8100 E 22ND St N #700 Wichita, KS 67278
 ATTN: Tom Funk

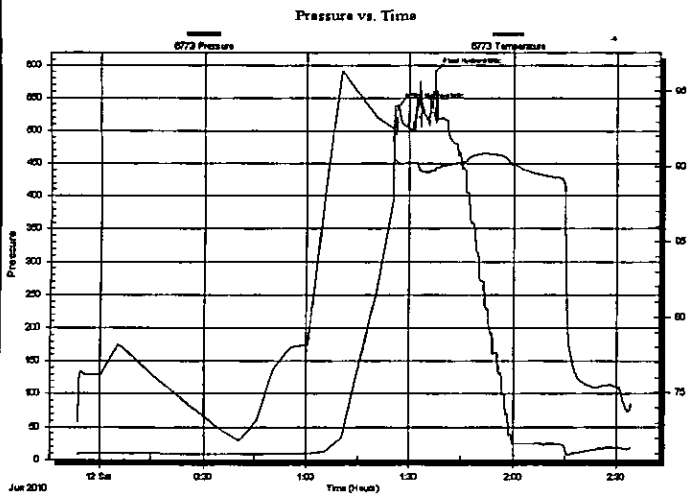
Habiger 1
5 26 22 Ford KS
 Job Ticket: 37642 DST#: 1
 Test Start: 2010.06.11 @ 23:53:32

GENERAL INFORMATION:

Formation: **Altomont B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended: 02:34:27
 Interval: **4630.00 ft (KB) To 4720.00 ft (KB) (TVD)**
 Total Depth: 4720.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chris Hagman
 Unit No: 33
 Reference Elevations: 2429.00 ft (KB)
 2418.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6773 Inside
 Press@RunDepth: psig @ 4632.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.06.11 End Date: 2010.06.12 Last Calib.: 2010.06.12
 Start Time: 23:53:32 End Time: 02:34:27 Time On Btm: 2010.06.12 @ 01:26:37
 Time Off Btm: 2010.06.12 @ 01:37:27

TEST COMMENT: IF: Hit Bridge @ 1110', pulled tool 0130



PRESSURE SUMMARY

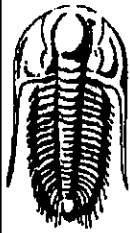
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	537.06	90.25	Initial Hydro-static
11	591.16	89.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.

Habiger 1

8100 E 22ND St N #700 Wichita, KS 67278

5 26 22 Ford KS

Job Ticket: 37642

DST#: 1

ATTN: Tom Funk

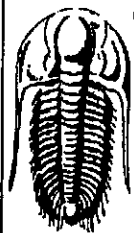
Test Start: 2010.06.11 @ 23:53:32

Tool Information

Drill Pipe:	Length: 4631.00 ft	Diameter: 3.80 inches	Volume: 64.96 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 64.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial lb
Depth to Top Packer:	4630.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:
Hit bridge @ 1110', pulled tool

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4604.00	
Shut In Tool	5.00			4609.00	
Hydraulic tool	5.00			4614.00	
Jars	5.00			4619.00	
Safety Joint	2.00			4621.00	
Packer	5.00			4626.00	27.00 Bottom Of Top Packer
Packer	4.00			4630.00	
Stubb	1.00			4631.00	
Perforations	1.00			4632.00	
Recorder	0.00	8355	Inside	4632.00	
Recorder	0.00	6773	Inside	4632.00	
Perforations	20.00			4652.00	
Change Over Sub	1.00			4653.00	
Drill Pipe	63.00			4716.00	
Change Over Sub	1.00			4717.00	
Bullnose	3.00			4720.00	90.00 Bottom Packers & Anchor
Total Tool Length:	117.00				



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.
8100 E 22ND St N #700 Wichita, KS 67278
ATTN: Tom Funk

Habiger 1
5 26 22 Ford KS
Job Ticket: 37642 DST#: 1
Test Start: 2010.06.11 @ 23:53:32

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

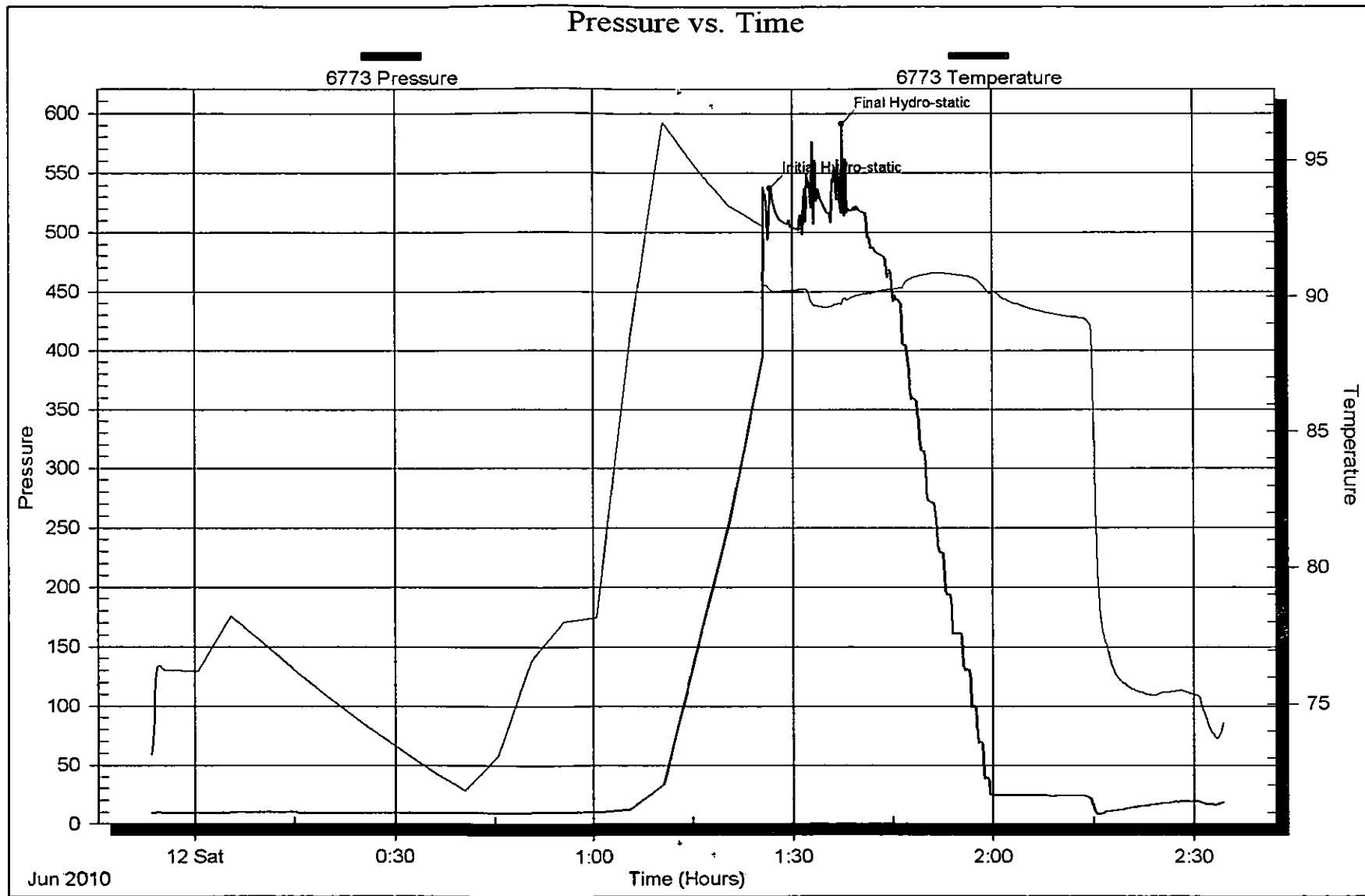
Length ft	Description	Volume bbl

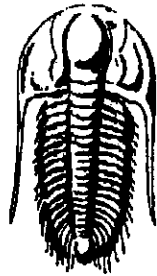
Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

8100 E 22ND St N #700 Wichita, KS 67278

ATTN: Tom Funk

5 26 22 Ford KS

Habiger 1

Start Date: 2010.06.12 @ 08:41:28

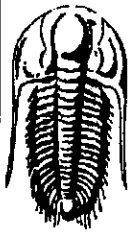
End Date: 2010.06.12 @ 16:31:48

Job Ticket #: 37643 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

Ritchie Exploration, Inc.
8100 E 22ND St N #700 Wichita, KS 67278
ATTN: Tom Funk

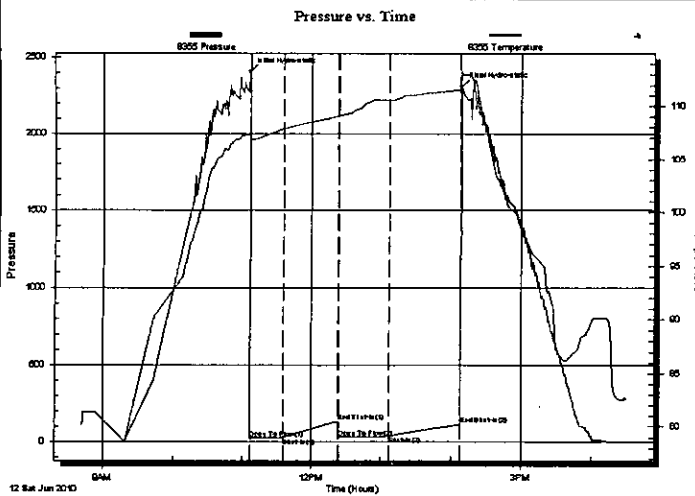
Habiger 1
5 26 22 Ford KS
Job Ticket: 37643 **DST#: 2**
Test Start: 2010.06.12 @ 08:41:28

GENERAL INFORMATION:

Formation: **Altomont B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:06:48
 Time Test Ended: 16:31:48
 Interval: **4630.00 ft (KB) To 4720.00 ft (KB) (TVD)**
 Total Depth: 4720.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chris Hagman
 Unit No: 33
 Reference Elevations: 2429.00 ft (KB)
 2418.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8355 **Inside**
 Press@RunDepth: 36.62 psig @ 4632.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.06.12 End Date: 2010.06.12 Last Calib.: 2010.06.12
 Start Time: 08:41:33 End Time: 16:31:48 Time On Btrr: 2010.06.12 @ 11:05:38
 Time Off Btrr: 2010.06.12 @ 14:09:18

TEST COMMENT: IF: 2 inches in 30 min., weak building blow
 IS: No blow back
 FF: 2 inches in 45 min., weak steady blow
 FS: No blow back



PRESSURE SUMMARY

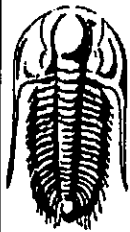
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2407.34	107.40	Initial Hydro-static
2	21.54	106.76	Open To Flow (1)
30	29.26	107.84	Shut-In(1)
78	134.26	109.04	End Shut-In(1)
79	27.02	109.06	Open To Flow (2)
122	36.62	110.53	Shut-In(2)
183	112.60	111.58	End Shut-In(2)
184	2312.95	113.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	muddy watery oil 40%O,30%W,30%M	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.
8100 E 22ND St N #700 Wichita, KS 67278
ATTN: Tom Funk

Habiger 1
5 26 22 Ford KS
Job Ticket: 37643 **DST#: 2**
Test Start: 2010.06.12 @ 08:41:28

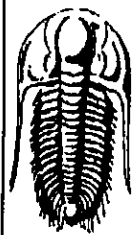
Tool Information

Drill Pipe:	Length: 4631.00 ft	Diameter: 3.80 inches	Volume: 64.96 bbl	Tool Weight: 2000.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 64.96 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4630.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	117.00 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			4604.00	
Shut In Tool	5.00			4609.00	
Hydraulic tool	5.00			4614.00	
Jars	5.00			4619.00	
Safety Joint	2.00			4621.00	
Packer	5.00			4626.00	27.00 Bottom Of Top Packer
Packer	4.00			4630.00	
Stubb	1.00			4631.00	
Perforations	1.00			4632.00	
Recorder	0.00	8355	Inside	4632.00	
Recorder	0.00	6773	Inside	4632.00	
Perforations	20.00			4652.00	
Change Over Sub	1.00			4653.00	
Drill Pipe	63.00			4716.00	
Change Over Sub	1.00			4717.00	
Bullnose	3.00			4720.00	90.00 Bottom Packers & Anchor
Total Tool Length:	117.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.

Habiger 1

8100 E22ND St N #700 Wichita, KS 67278

5 26 22 Ford KS

Job Ticket: 37643

DST#: 2

ATTN: Tom Funk

Test Start: 2010.06.12 @ 08:41:28

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:	8500 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohmm	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

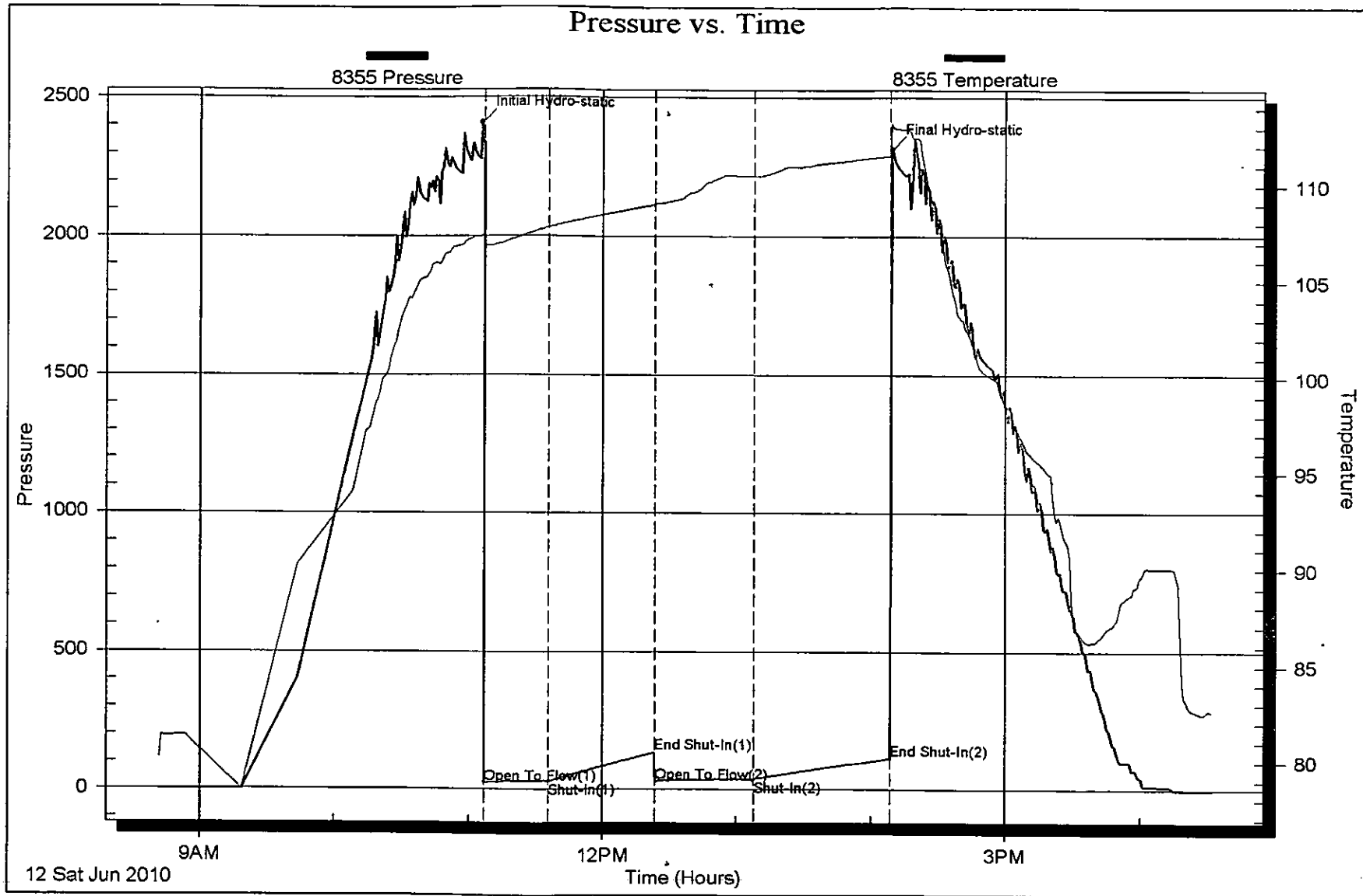
Length ft	Description	Volume bbl
30.00	muddy watery oil 40%O,30%W,30%M	0.421

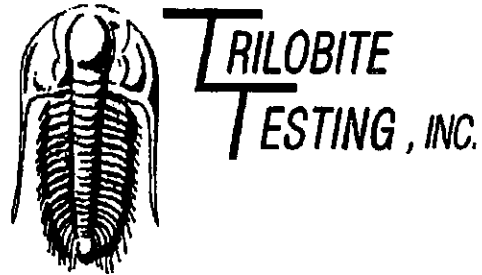
Total Length: 30.00 ft Total Volume: 0.421 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW= 553@88F=8500ppm





DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration, Inc.**

8100 E 22ND St N #700 Wichita, KS 67278

ATTN: Tom Funk

5 26 22 Ford KS

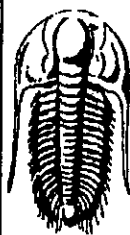
Habiger 1

Start Date: 2010.06.13 @ 10:42:10

End Date: 2010.06.13 @ 18:05:44

Job Ticket #: 37644 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

Ritchie Exploration, Inc.
8100 E 22ND St N #700 Wichita, KS 67278
ATTN: Tom Funk

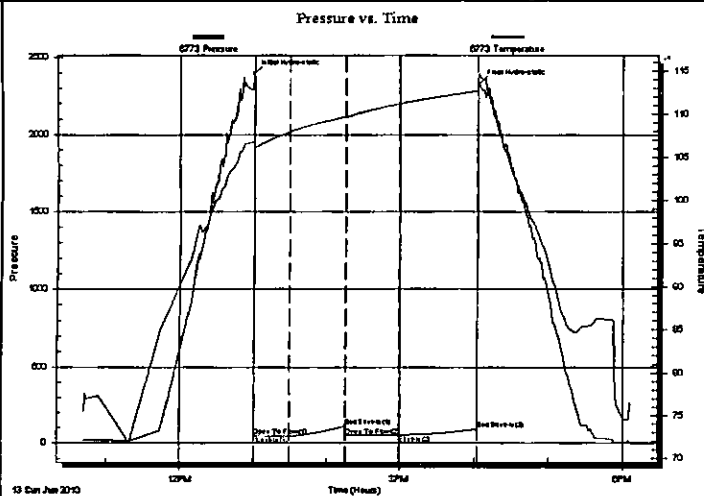
Habiger 1
5 26 22 Ford KS
Job Ticket: 37644 DST#: 3
Test Start: 2010.06.13 @ 10:42:10

GENERAL INFORMATION:

Formation: **Lower Cheerokee**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 13:00:55
 Time Test Ended: 18:05:44
 Interval: **4800.00 ft (KB) To 4878.00 ft (KB) (TVD)**
 Total Depth: **4878.00 ft (KB) (TVD)**
 Hole Diameter: **7.78 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Chris Hagman**
 Unit No: **33**
 Reference Elevations: **2429.00 ft (KB)**
2418.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6773 Inside
 Press@RunDepth: **51.40 psig @ 4802.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.06.13** End Date: **2010.06.13** Last Calib.: **2010.06.13**
 Start Time: **10:42:10** End Time: **18:05:45** Time On Btm: **2010.06.13 @ 12:59:55**
 Time Off Btm: **2010.06.13 @ 16:03:55**

TEST COMMENT: IF: Weak surface blow
 IS: No blow back
 FF: Weak surface blow
 FSI: No blow back



PRESSURE SUMMARY

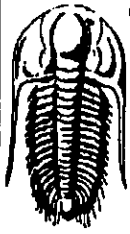
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2396.90	106.80	Initial Hydro-static
1	46.91	106.08	Open To Flow (1)
30	45.15	107.96	Shut-In (1)
76	106.19	109.71	End Shut-In (1)
76	47.48	109.71	Open To Flow (2)
119	51.40	111.22	Shut-In (2)
183	88.52	112.74	End Shut-In (2)
184	2332.80	114.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	oily mud 20%O,80%M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ritchie Exploration, Inc.
8100 E 22ND St N #700 Wichita, KS 67278

ATTN: Tom Funk

Habiger 1
5 26 22 Ford KS
Job Ticket: 37644 **DST#: 3**
Test Start: 2010.06.13 @ 10:42:10

Tool Information

Drill Pipe:	Length: 4600.00 ft	Diameter: 3.80 inches	Volume: 64.53 bbl	Tool Weight: 2000.00 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: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 65.41 bbl	Tool Chased: 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4800.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	105.00 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			4774.00	
Shut In Tool	5.00			4779.00	
Hydraulic tool	5.00			4784.00	
Jars	5.00			4789.00	
Safety Joint	2.00			4791.00	
Packer	5.00			4796.00	27.00 Bottom Of Top Packer
Packer	4.00			4800.00	
Stubb	1.00			4801.00	
Perforations	1.00			4802.00	
Recorder	0.00	8355	Inside	4802.00	
Recorder	0.00	6773	Inside	4802.00	
Perforations	9.00			4811.00	
Change Over Sub	1.00			4812.00	
Drill Pipe	62.00			4874.00	
Change Over Sub	1.00			4875.00	
Bullnose	3.00			4878.00	78.00 Bottom Packers & Anchor
Total Tool Length:	105.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ritchie Exploration, Inc.
8100 E 22ND St N #700 Wchita, KS 67278
ATTN: Tom Funk

Habiger 1
5 26 22 Ford KS
Job Ticket: 37644 DST#: 3
Test Start: 2010.06.13 @ 10:42:10

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:	4000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	oily mud 20%O,80%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW=1.332@81F=4000ppm

