

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

7/6/12

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5135
Name: John O. Farmer, Inc.
Address: P.O. Box 352
City/State/Zip: Russell, KS 67665
Purchaser: Coffeyville Resources, LLC
Operator Contact Person: Marge Schulte
Phone: (785) 483-3145, Ext. 214
Contractor: Name: Discovery Drilling Company, Inc.
License: 31548
Wellsite Geologist: Randall Kilian

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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. _____

3-25-10 3-30-10 4-9-10
 Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 167-23,625-00-00
County: Russell
NE SE SW Sec. 10 Twp. 11 S. R. 15 East West
430 feet from N (circle one) Line of Section
2580 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Maupin "B" Well #: 1

Field Name: (wildcat)
Producing Formation: Simpson Sand
Elevation: Ground: 1914' Kelly Bushing: 1922'
Total Depth: 3475' Plug Back Total Depth: 3448'
Amount of Surface Pipe Set and Cemented at 222 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set Port Collar @ 1016 Feet
If Alternate II completion, cement circulated from 1016
feet depth to surface w/ 155 sx cmt.

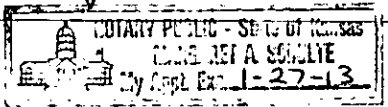
Drilling Fluid Management Plan AK INJ 7-13-10
(Data must be collected from the Reserve Pit)
Chloride content 63,000 ppm Fluid volume 2,800 bbls
Dewatering method used hauling free fluids

Location of fluid disposal if hauled offsite:
Operator Name: John O. Farmer, Inc.
Lease Name: Mudd & Nuss SWD's, haul-off pit License No.: 5135
Quarter NW & NW Sec. 27 & 5 Twp. 12 & 18 S. R. 15 & 14 East West
County: Russell & Barton Docket No.: D-28,909 & D-09,153

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: John O. Farmer III
Title: President Date: 7-2-10
Subscribed and sworn to before me this 2nd day of July
20 10
Notary Public: Margaret A. Schulte
Date Commission Expires: _____



KCC Office Use ONLY
 Letter of Confidentiality Received 7/2/10 - 7/2/12
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

RECEIVED
KANSAS CORPORATION COMMISSION
JUL 06 2010
CONSERVATION DIVISION
WICHITA, KS

Operator Name: John O. Farmer, Inc. Lease Name: Maupin "B" Well #: 1
 Sec. 10 Twp. 11 S. R. 15 East West County: Russell

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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample		
Name	Top	Datum
Anhydrite	1009'	(+913)
Topeka	2751'	(-829)
Heebner	3001'	(-1079)
Toronto	3020'	(-1098)
Lansing	3052'	(-1130)
Base/KC	3312'	(-1390)
Simpson Sand	3394'	(-1472)
Arbuckle	3403'	(-1481)

List All E. Logs Run:

Micro Resistivity Log, Compact Photo Density
 Compensated Neutron Log, Array Induction Shallow
 Focussed Log, Dual Receiver Cement Bond Log

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#	222'	Common	150	3% C.C., 2% Gel
Production	7-7/8"	5-1/2"	14#	3472'	Common	155	10% salt
Port Collar				1016'	QMDC	155	

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		Common	30 sks. rathole	
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone		Common	15 sks. mousehole	

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
4 SPF	3394-3400' (Simpson Sand)	None - completed natural	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	3445'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First Resumers (Production) SWD or Enhr.	Producing Method				
4-29-10	<input type="checkbox"/> Flowing <input checked="" 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
	50.00		3.00		27.9°

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION. Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval 3394-3400' (Simpson Sand)



**Discovery
Drilling**

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

DISCOVERY DRILLING CO., INC.

DRILLER'S LOG

Operator: **John O. Farmer, Inc. LIC# 5135**
PO Box 352
Russell, KS 67665

Contractor: **Discovery Drilling Co., Inc. LIC#31548**
PO Box 763
Hays, KS 67601

Lease: Maupin "B" #1

Location: 100'N & 270'E of SE / SE / SW
Sec. 10 / 11S / 15W
Russell Co., KS

Loggers Total Depth: 3472'
Rotary Total Depth: 3475'
Commenced: 3/25/2010
Casing: 8 5/8" @ 221.30' w / 150 sks
5 1/2" @ 3472' w / 155 sks
(Port Collar @ 1016')

API#15- 167-23, 625-00-00
Elevation: 1914' GL / 1922' KB
Completed: 3/31/2010
Status: D & A

DEPTHS & FORMATIONS
(All from KB)

Surface, Sand & Shale	0'	Shale	1047'
Dakota Sand	369'	Shale & Lime	1575'
Shale	443'	Shale	1886'
Cedar Hill Sand	495'	Shale & Lime	2198'
Red Bed Shale	718'	Lime & Shale	3010'
Anhydrite	1013'	RTD	3475'
Base Anhydrite	1047'		

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STATE OF KANSAS)
) ss
COUNTY OF ELLIS)

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

Thomas H. Alm

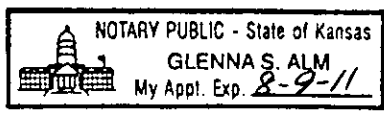
Subscribed and sworn to before me on 4-5-10

My Commission expires: 8-9-11

(Place stamp or seal below)

Notary Public

RECEIVED
KANSAS CORPORATION COMMISSION
JUL 06 2010
CONSERVATION DIVISION
WICHITA, KS



ALLIED CEMENTING CO. LLC. 53889

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

SERVICE POINT:

Russell, KS

DATE <u>7-2-10</u>	SEC. <u>10</u>	TWP. <u>11</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>12:15pm</u>	JOB FINISH <u>12:45pm</u>
LEASE <u>Mo. - 8</u>	WELL # <u>1</u>	LOCATION <u>Road in KS 1/4 mile N 21/2 W</u>			COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>1.5 miles 3/4 mile west Abbeville</u>				

CONTRACTOR Discovery Drilling #2
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 227
 CASING SIZE 8 5/8 DEPTH 227
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 13.0 P/L

EQUIPMENT

PUMP TRUCK CEMENTER John Robert
 # 417 HELPER Matt
 BULK TRUCK
 # 410 DRIVER Ron
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Est. Circulation
Dir. 150 sk cement
Displace w/ 13.69 P/L
Cement Did Circulate!
Thank You!

CHARGE TO: John O. Farmer
 STREET _____
 CITY _____ STATE _____ ZIP _____

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 _____
 SIGNATURE _____

COPY

OWNER
 CEMENT
 AMOUNT ORDERED 150 com 31 cc 2 1/2 gal

COMMON @ _____
 POZMIX @ _____
 GEL @ _____
 CHLORIDE @ _____
 ASC @ _____

HANDLING @ _____
 MILEAGE @ _____

TOTAL _____

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE @ _____
 MILEAGE @ _____
 MANIFOLD @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

@ _____
 @ _____
 @ _____
 @ _____

TOTAL _____

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS _____

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JUL 06 2010
 CONSERVATION DIVISION
 WICHITA KS

ALLIED CEMENTING CO., LLC. 33898

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

SERVICE POINT:
Russell KS

DATE <u>3-31-10</u>	SEC. <u>10</u>	TWP. <u>11</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>4:15am</u>	JOB FINISH <u>4:45am</u>
LEASE <u>Maupin B</u>			WELL # <u>1</u>		LOCATION <u>Paradise KS Waldo Rd 2 1/2 West</u>		COUNTY <u>Russell</u>
STATE			OLD OR NEW (Circle one)		1 South 3/10 West North into		

COPY

CONTRACTOR Discovery Drilling #2
 TYPE OF JOB Production String
 HOLE SIZE 7 7/8 T.D. 3475'
 CASING SIZE 5 1/2 14" DEPTH 3472'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL Port Collar DEPTH 1016' ~~3472'~~
 PRES. MAX MINIMUM
~~WEAS + THE Insert @ 3452.69~~ SHOE JOINT 17.31'
 CEMENT LEFT IN CSG. 17.31
 PERFS.
 DISPLACEMENT 84.41 Bbl

OWNER
 CEMENT
 AMOUNT ORDERED 200 Com 10% salt
500 Gal WFR-2
20.8bl 2% KCL

COMMON	<u>200</u>	@ <u>13.50</u>	<u>2700.00</u>
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
WFR-2	<u>500</u>	@ <u>1.10</u>	<u>550.00</u>
KCL	<u>2</u>	@ <u>30.40</u>	<u>60.80</u>
Salt	<u>8</u>	@ <u>21.25</u>	<u>170.00</u>
HANDLING	<u>100</u>	@ <u>2.25</u>	<u>225.00</u>
MILEAGE	<u>10 1/2 hrs</u>		<u>300.00</u>
TOTAL			<u>4005.80</u>

EQUIPMENT
 PUMP TRUCK CEMENTER John Roberts
 # 417 HELPER Matt
 BULK TRUCK
 # 410 DRIVER Ron
 BULK TRUCK
 # DRIVER

REMARKS:
Ran 27 jts 5 1/2 14" casing Est. Circulation and
circulate 30 min on bottom. Pump 500gal WFR-2
mud flush and 10 Bbl 2% KCL water (Plug method eq)
30sk cement and mensible w/ 1.5sk cement
Mixed 15.5sk cement stop pump wash cement
line and Displace w/ 18 Bbl 2% KCL followed
by 74.41 Bbl H₂O. Land Plug @ 1400 psi
Float Did Hold!
 Thank You!

CHARGE TO: John O Farmer
 STREET _____
 CITY _____ STATE _____ ZIP _____

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 _____
 SIGNATURE Anna Weenahy

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1957.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>20</u>	@ <u>7.00</u> <u>140.00</u>
MANIFOLD	@	
TOTAL		<u>2097.00</u>

5 1/2 PLUG & FLOAT EQUIPMENT

Latch Down Plug		<u>164.00</u>
Port Collar	@	<u>1750.00</u>
3- Cement Baskets	@ <u>161.00</u>	<u>483.00</u>
8- Centralizers	@ <u>35.00</u>	<u>280.00</u>
AFU Float Shoe	@	<u>214.00</u>
20' Rotating Scratchers	@ <u>82.00</u>	<u>1640.00</u>
TOTAL		<u>4531.00</u>

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

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 KANSAS CORPORATION COMMISSION
 JUL 06 2010
 CONSERVATION DIVISION
 WICHITA, KS

QUALITY OILWELL CEMENTING, INC.

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

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

No. 01

Date	4-7-10	Sec.	Twp.	Range	County	State	On Location	Finish
					KS	KS		10:38 AM
Lease	Maurice		Well No.	B-1		Location		
Contractor	J & M Well Service			paradise 20015 4W				
Type Job	Port Collar			To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.				
Hole Size	5 1/2		T.D.					
Csg.	2 1/2		Depth	Charge To				
Tbg. Size	2 1/2		Depth	JO FARMER, INC.				
Tool			Depth	Street				
Cement Left in Csg.			Shoe Joint	City				
Meas. Line			Displace	State				
				The above was done to satisfaction and supervision of owner agent or contractor.				
				Cement Amount Ordered				
				250 @ MDC				
				1/4 flowser				

EQUIPMENT

Pumptrk	1	No.	Cementor	Beaulon	Gel	Common	2092.50
			Helper		155 @ 15.00		
Bulktrk	2	No.	Driver	Doug	Poz. Mix		
			Driver	Dave	Gel: 7 @ 17.00		
Bulktrk	pu	No.	Driver		Calcium		
			Driver		Hulls		

JOB SERVICES & REMARKS

Remarks:	100
Rat Hole	Salt
Mouse Hole	Flowseal 39 # @ 2.00
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
Tested casing = 1000 psi	Sand
Mixed 3 gel down to	Handling 257 @ 2.00
port collar, opened	Mileage 300 @ .00
port collar & mixed 4 gel	FLOAT EQUIPMENT
& got circulation	Guide Shoe
Mixed 155 slt & cir	Centralizer
Cement to surface	Baskets
displaced & closed port	AFU Inserts
collar Ran 5 ft & cir	Float Shoe
clean	Latch Down

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JUL 06

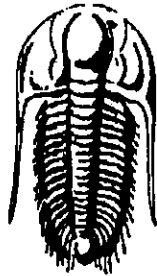
CONSEVATION DIVISION
WICHITA, KS

Thank

Dave
Beaulon
Doug

Pumptrk Charge	port collar	750.00
Mileage	23 @ 7.00	161.00
		Tax 133.70
		Discount (803.00)
		Total Charge 3345.20

X Signature *[Handwritten Signature]*



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

370 W. Wichita Ave.
Russell, Kansas 67665

ATTN: Randy Kilian

10-11s-15w Russell

Maupin B-1

Start Date: 2010.03.28 @ 15:53:32

End Date: 2010.03.28 @ 21:43:02

Job Ticket #: 36852 DST #: 1

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JUL 06 2010

**CONSERVATION COMMISSION
WICHITA, KS**

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

John O Farmer, Inc.

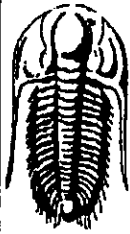
Maupin B-1

10-11s-15w Russell

DST # 1

Lansing/ K.C. " B-C

2010.03.28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer, Inc.
370 W. Wichita Ave.
Russell, Kansas 67665
ATTN: Randy Killian

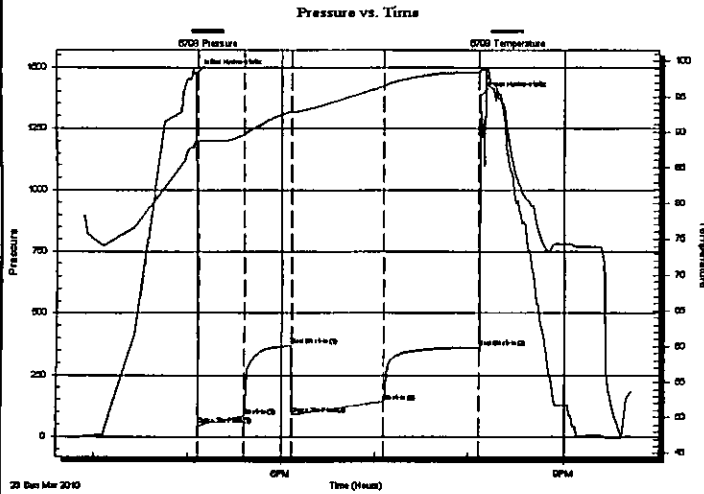
Maupin B-1
10-11s-15w Russell
Job Ticket: 36852 DST#: 1
Test Start: 2010.03.28 @ 15:53:32

GENERAL INFORMATION:

Formation: **Lansing/ K.C. " B-C**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 17:06:02
Time Test Ended: 21:43:02
Interval: **3066.00 ft (KB) To 3115.00 ft (KB) (TVD)**
Total Depth: **3115.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Jerry Adams**
Unit No: **45**
Reference Elevations: **1922.00 ft (KB)**
1914.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6798 Inside
Press@RunDepth: **141.22 psig @ 3073.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.03.28** End Date: **2010.03.28** Last Calib.: **2010.03.28**
Start Time: **15:53:33** End Time: **21:43:02** Time On Btm: **2010.03.28 @ 17:05:02**
Time Off Btm: **2010.03.28 @ 20:07:32**

TEST COMMENT: IF: Weak blow . Built to 3 1/2", decreased to 2".
IS: No blow .
FF: Weak blow . Built to 6".
FS: No blow .



PRESSURE SUMMARY

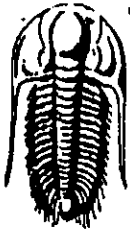
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1474.21	88.73	Initial Hydro-static
1	45.73	88.55	Open To Flow (1)
31	81.84	89.67	Shut-In(1)
61	369.16	92.85	End Shut-In(1)
62	87.78	92.74	Open To Flow (2)
121	141.22	96.56	Shut-In(2)
182	363.55	98.47	End Shut-In(2)
183	1383.75	98.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
255.00	Watery Mud w / oil specs 45%w 55%o	3.30
0.00	RW = .097 @ 75 deg.	0.00
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.
370 W. Wichita Ave.
Russell, Kansas 67665
ATTN: Randy Kilian

Mauplin B-1
10-11s-15w Russell
Job Ticket: 36852 DST#: 1
Test Start: 2010.03.28 @ 15:53:32

Tool Information

Drill Pipe:	Length: 3023.00 ft	Diameter: 3.80 inches	Volume: 42.40 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: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 42.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3066.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 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			3051.00	
Hydraulic tool	5.00			3056.00	
Packer	5.00			3061.00	20.00 Bottom Of Top Packer
Packer	5.00			3066.00	
Stubb	1.00			3067.00	
Perforations	5.00			3072.00	
Change Over Sub	1.00			3073.00	
Recorder	0.00	6798	Inside	3073.00	
Recorder	0.00	8367	Inside	3073.00	
Blank Spacing	31.00			3104.00	
Change Over Sub	1.00			3105.00	
Perforations	7.00			3112.00	
Bullnose	3.00			3115.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.
370 W. Wichita Ave.
Russell, Kansas 67665
ATTN: Randy Kilian

Maupin B-1
10-11s-15w Russell
Job Ticket: 36852 DST#: 1
Test Start: 2010.03.28 @ 15:53:32

Mud and Cushion Information

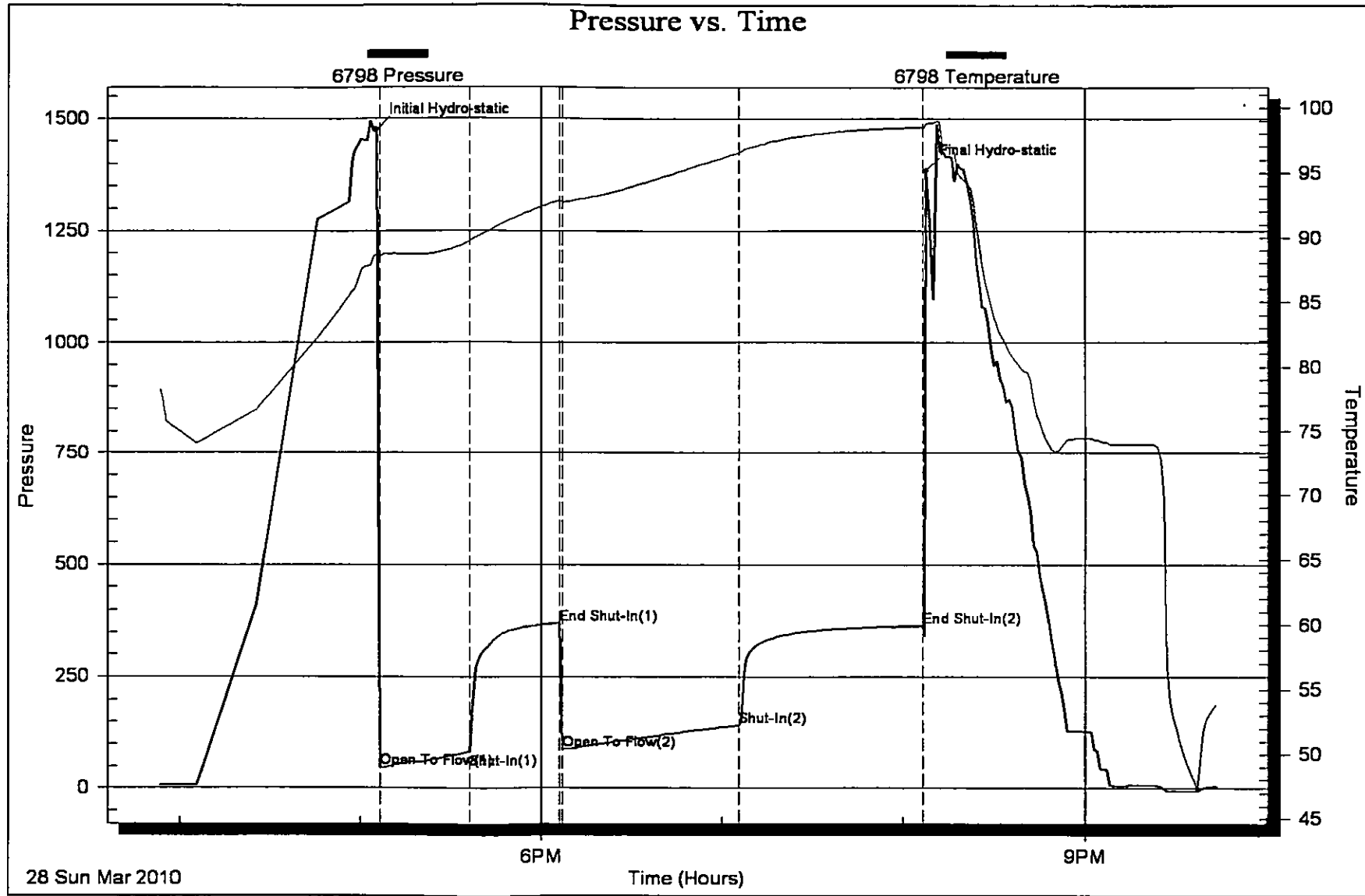
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	77000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.15 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 0.21 inches			

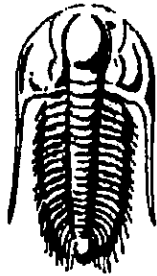
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
255.00	Watery Mud w / oil specs 45%w 55%w	3.304
0.00	RW = .097 @ 75 deg.	0.000
0.00		0.000

Total Length: 255.00 ft Total Volume: 3.304 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial#: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

370 W. Wichita Ave.
Russell, Kansas 67665

ATTN: Randy Kilian

10-11s-15w Russell

Maupin B-1

Start Date: 2010.03.29 @ 05:44:04

End Date: 2010.03.29 @ 11:29:34

Job Ticket #: 36853 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

John O Farmer, Inc.

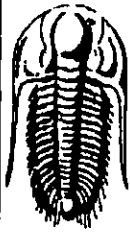
Maupin B-1

10-11s-15w Russell

DST # 2

Lansing/K.C. " G "

2010.03.29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer, Inc.
370 W. Wichita Ave.
Russell, Kansas 67665
ATTN: Randy Kilian

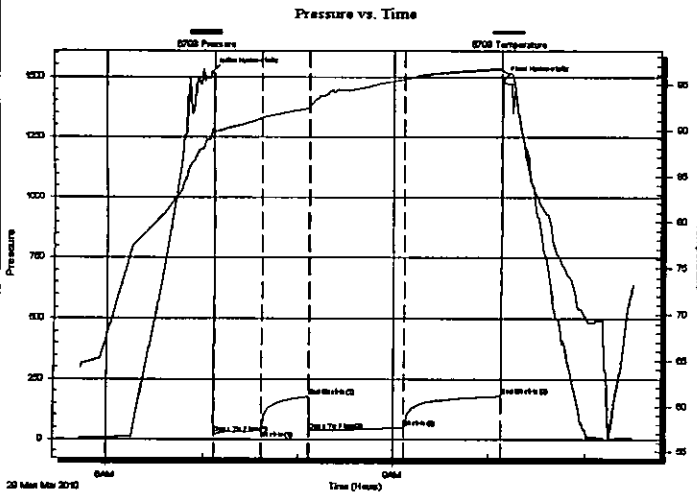
Maupin B-1
10-11s-15w Russell
Job Ticket: 36853 DST#: 2
Test Start: 2010.03.29 @ 05:44:04

GENERAL INFORMATION:

Formation: **Lansing/KC. " G "**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 07:07:04
Time Test Ended: 11:29:34
Interval: **3156.00 ft (KB) To 3175.00 ft (KB) (TVD)**
Total Depth: **3175.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Jerry Adams**
Unit No: **45**
Reference Elevations: **1922.00 ft (KB)**
1914.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6798 **Inside**
Press@RunDepth: **45.66 psig @ 3157.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.03.29** End Date: **2010.03.29** Last Calib.: **2010.03.29**
Start Time: **05:44:05** End Time: **11:29:34** Time On Btm: **2010.03.29 @ 07:05:34**
Time Off Btm: **2010.03.29 @ 10:08:34**

TEST COMMENT: IF:Weak blow . Built to 2 3/4".
IS:No blow .
FF:Weak blow . Built to 1 3/4".
FS:No blow .



PRESSURE SUMMARY

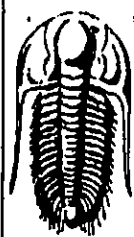
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1518.70	89.94	Initial Hydro-static
2	21.08	89.76	Open To Flow (1)
32	33.00	91.29	Shut-In(1)
61	175.85	92.26	End Shut-In(1)
62	35.79	92.64	Open To Flow (2)
121	45.66	95.58	Shut-In(2)
182	179.75	96.69	End Shut-In(2)
183	1486.93	96.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Saltwater 100%w	0.57
10.00	MCW 85%w 15%m	0.14
0.00	RW = .19 @ 90 deg.	0.00
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.
370 W. Wichita Ave.
Russell, Kansas 67665
ATTN: Randy Kilian

Maupin B-1
10-11s-15w Russell
Job Ticket: 36853 DST#: 2
Test Start: 2010.03.29 @ 05:44:04

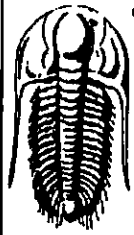
Tool Information

Drill Pipe:	Length: 3116.00 ft	Diameter: 3.80 inches	Volume: 43.71 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: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 43.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3156.00 ft			Final 53000.00 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 Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Shut In Tool	5.00			3141.00	
Hydraulic tool	5.00			3146.00	
Packer	5.00			3151.00	20.00 Bottom Of Top Packer
Packer	5.00			3156.00	
Stubb	1.00			3157.00	
Recorder	0.00	6798	inside	3157.00	
Recorder	0.00	8367	inside	3157.00	
Perforations	15.00			3172.00	
Bullnose	3.00			3175.00	19.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.
370 W. Wichita Ave.
Russell, Kansas 67665
ATTN: Randy Kilian

Maupin B-1
10-11s-15w Russell
Job Ticket: 36853 DST#: 2
Test Start: 2010.03.29 @ 05:44:04

Mud and Cushion Information

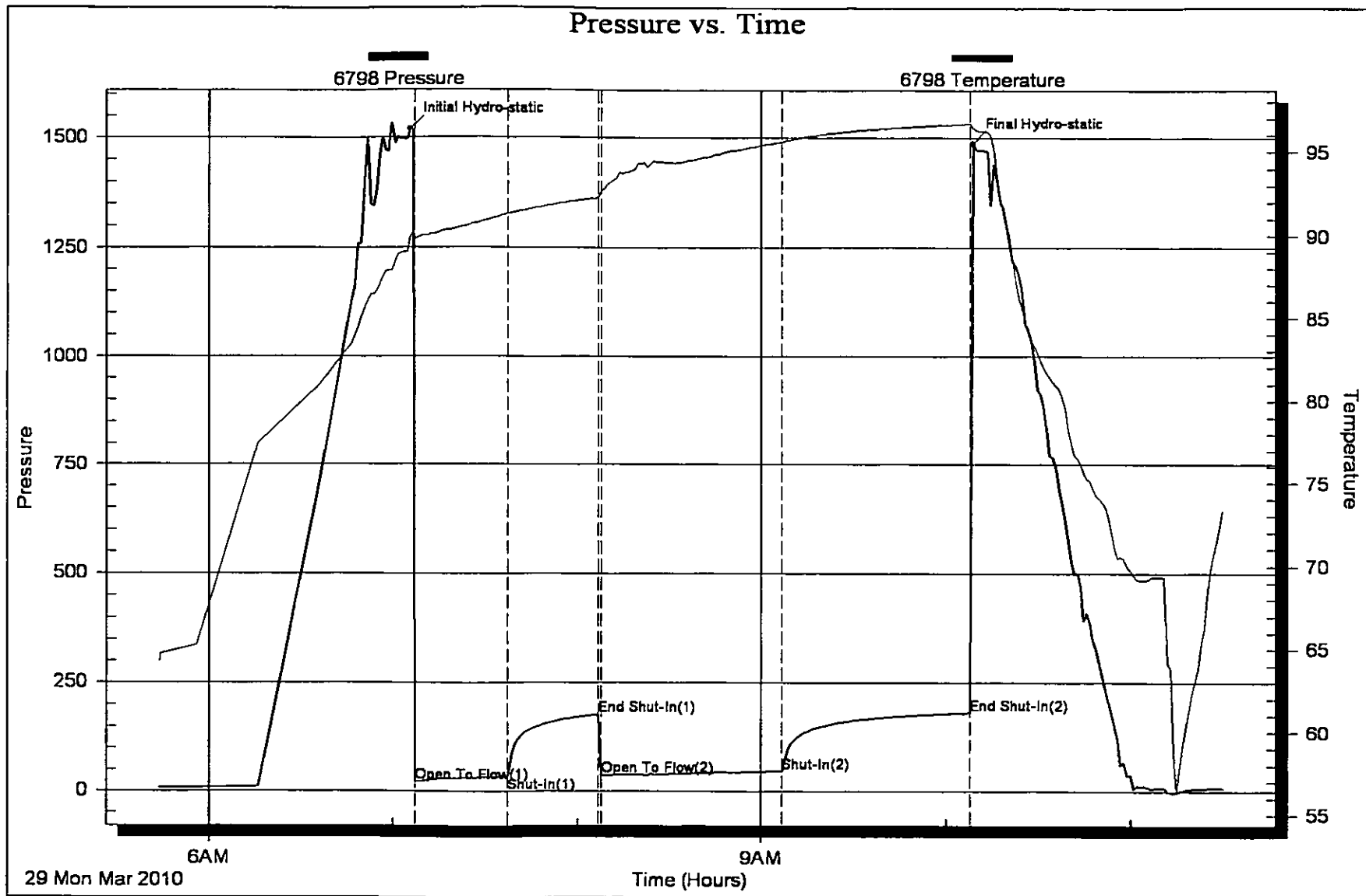
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	28000 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.21 inches			

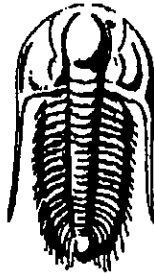
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Saltwater 100%w	0.568
10.00	MCW 85%w 15%m	0.140
0.00	RW = .19 @ 90 deg.	0.000
0.00		0.000

Total Length: 70.00 ft Total Volume: 0.708 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

370 W. Wichita Ave.
Russell, Kansas 67665

ATTN: Randy Kilian

10-11s-15w Russell

Maupin B-1

Start Date: 2010.03.30 @ 12:05:50

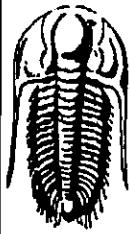
End Date: 2010.03.30 @ 18:29:20

Job Ticket #: 36854 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

John O Farmer, Inc.
370 W. Wichita Ave.
Russell, Kansas 67665
ATTN: Randy Kilian

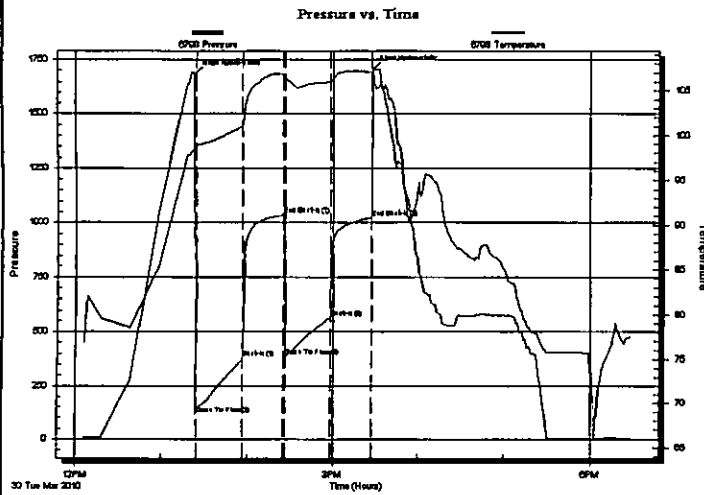
Maupin B-1
10-11s-15w Russell
Job Ticket: 36854 DST#: 3
Test Start: 2010.03.30 @ 12:05:50

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 13:23:50
Time Test Ended: 18:29:20
Interval: **3370.00 ft (KB) To 3416.00 ft (KB) (TVD)**
Total Depth: **3472.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Straddle**
Tester: **Jerry Adams**
Unit No: **45**
Reference Elevations: **1922.00 ft (KB)**
1914.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6798 Inside
Press@RunDepth: **563.63 psig @ 3377.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.03.30** End Date: **2010.03.30** Last Calib.: **2010.03.30**
Start Time: **12:05:51** End Time: **18:29:20** Time On Btm: **2010.03.30 @ 13:22:50**
Time Off Btm: **2010.03.30 @ 15:28:20**

TEST COMMENT: IF: Strong blow . B.O.B. in 2 1/2 mins.
IS: Very weak surface blow . Dead in 20 mins.
FF: Strong blow . B.O.B. in 4 mins.
FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1685.19	98.32	Initial Hydro-static
1	113.99	98.46	Open To Flow (1)
34	376.53	100.96	Shut-in(1)
63	1037.20	106.89	End Shut-in(1)
64	386.43	106.58	Open To Flow (2)
96	563.63	106.01	Shut-in(2)
125	1024.61	107.06	End Shut-in(2)
126	1706.86	107.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1336.00	Clean Oil 100% o	18.47
62.00	SMCO 90%o 10%m	0.87
62.00	HMCO 55%o 45%m	0.87
0.00	Grav. = 25 API @ 110 deg.	0.00
0.00	30 GP	0.00
0.00		0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

John O Farmer, Inc.
370 W. Wichita Ave.
Russell, Kansas 67665
ATTN: Randy Kilian

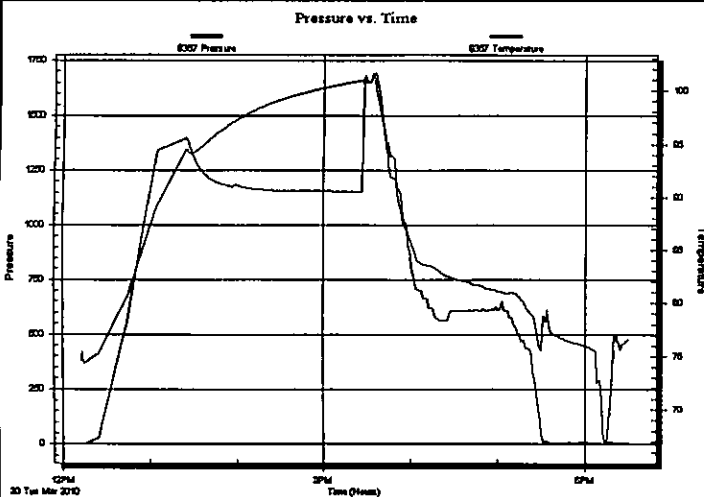
Maupin B-1
10-11s-15w Russell
Job Ticket: 36854 DST#: 3
Test Start: 2010.03.30 @ 12:05:50

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 13:23:50
Time Test Ended: 18:29:20
Interval: **3370.00 ft (KB) To 3416.00 ft (KB) (TVD)**
Total Depth: **3472.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Straddle**
Tester: **Jerry Adams**
Unit No: **45**
Reference Elevations: **1922.00 ft (KB)**
1914.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8367 Below (Straddle)
Press@RunDepth: psig @ **3450.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.03.30** End Date: **2010.03.30** Last Calib.: **2010.03.30**
Start Time: **12:12:57** End Time: **18:29:56** Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 2 1/2 mins.
IS: Very weak surface blow . Dead in 20 mins.
FF: Strong blow . B.O.B. in 4 mins.
FS: No blow .



PRESSURE SUMMARY

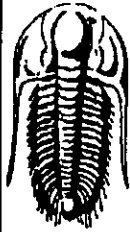
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
1336.00	Clean Oil 100% o	18.47
62.00	SMCO 90%o 10%m	0.87
62.00	HMCO 55%o 45%m	0.87
0.00	Grav. = 25 API @ 110 deg.	0.00
0.00	30 GIP	0.00
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.
370 W. Wichita Ave.
Russell, Kansas 67665
ATTN: Randy Kilian

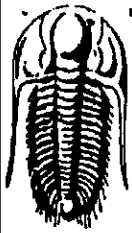
Maupin B-1
10-11s-15w Russell
Job Ticket: 36854 DST#: 3
Test Start: 2010.03.30 @ 12:05:50

Tool Information

Drill Pipe:	Length: 3339.00 ft	Diameter: 3.80 inches	Volume: 46.84 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 46.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3370.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	3416.00 ft			
Interval between Packers:	46.00 ft			
Tool Length:	119.00 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			3355.00	
Hydraulic tool	5.00			3360.00	
Packer	5.00			3365.00	20.00 Bottom Of Top Packer
Packer	5.00			3370.00	
Stubb	1.00			3371.00	
Perforations	5.00			3376.00	
Change Over Sub	1.00			3377.00	
Recorder	0.00	6798	Inside	3377.00	
Recorder	0.00	8649	Outside	3377.00	
Blank Spacing	31.00			3408.00	
Change Over Sub	1.00			3409.00	
Perforations	6.00			3415.00	
Blank Off Sub	1.00			3416.00	46.00 Tool Interval
Packer	0.00			3416.00	
Change Over Sub	1.00			3417.00	
Blank Spacing	32.00			3449.00	
Change Over Sub	1.00			3450.00	
Recorder	0.00	8367	Below	3450.00	
Perforations	16.00			3466.00	
Bullnose	3.00			3469.00	53.00 Bottom Packers & Anchor
Total Tool Length:		119.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.
370 W. Wichita Ave.
Russell, Kansas 67665

ATTN: Randy Kilian

Maupin B-1
10-11s-15w Russell
Job Ticket: 36854 DST#: 3
Test Start: 2010.03.30 @ 12:05:50

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	20 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.36 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.21 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1336.00	Clean Oil 100% o	18.467
62.00	SMCO 90%o 10%m	0.870
62.00	HMCO 55%o 45%m	0.870
0.00	Grav. = 25 API @ 110 deg.	0.000
0.00	30 GIP	0.000
0.00		0.000

Total Length: 1460.00 ft Total Volume: 20.207 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

