

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

6/16/12

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: WW Drilling, LLC
License: 33575

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. _____

3-17-10	3-23-10	4-8-10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 065-23,631-00-00
County: Graham
NE NW SE SW Sec. 29 Twp. 7 S. R. 21 East West
1490 feet from S / (circle one) Line of Section
1740 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Alexander Well #: 1
Field Name: (wildcat)

Producing Formation: Lansing/KC
Elevation: Ground: 2102' Kelly Bushing: 2107'
Total Depth: 3690' Plug Back Total Depth: 3687'
Amount of Surface Pipe Set and Cemented at 218 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set Port Collar @ 1696 Feet
If Alternate II completion, cement circulated from 1696
feet depth to surface w/ 255 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content 26,000 ppm Fluid volume 1000 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.

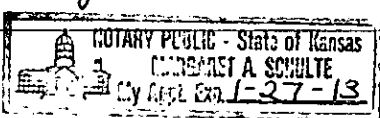
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: John O. Farmer III
Title: President Date: 6-16-10

Subscribed and sworn to before me this 16th day of June
2010.

Notary Public: Margaret A. Schulte

Date Commission Expires: _____



KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ATK2 - Dlg - 6/22/10
RECEIVED
JUN 17 2010

KCC WICHITA

Side Two

Operator Name: John O. Farmer, Inc. Lease Name: Alexander Well #: 1
 Sec. 29 Twp. 7 S. R. 21 East West County: Graham

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1691'	(+416)
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3096'	(-989)
List All E. Logs Run:		Heebner	3300'	(-1193)
		Toronto	3322'	(-1215)
		Lansing	3334'	(-1227)
		Base/KC	3529'	(-1422)
		Arbuckle	3634'	(-1527)
		L.T.D.	3689'	(-1582)

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#	218'	Common	150	3% C.C., 2% gel
Production	7-7/8"	5-1/2"	14#	3687'	Common	100	10% salt
Port Collar				1696'	60/40 Lite	255	1/4# floeal

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
4 SPF	3403-06' (Lansing "E")	250 gals. 15% MCA	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-3/8"	3682'			
Date of First, Resumed Production, SWD or Enhr.			Producing Method			
5-10-10			<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	
	4.18		0.00		34.0°	

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 3403-06'

QUALITY OILWELL CEMENTING, INC.

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

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

COPY No. 3882

Date	3/17/10	Sec.	29	Twp.	7	Range	21	County	Graham	State	KS	On Location		Finish	10.15
Lease	Alexander	Well No.	1	Location Begue, N to U Rd, 1 W, 1/2 S, E + N into											
Contractor	W W Drilling Rig # 10							Owner							
Type Job								To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4"	T.D.	219'	Charge To John O. Farmer, Inc.											
Csg.	8 5/8 23#	Depth	218'	Street											
Tbg. Size		Depth		City											
Tool		Depth		State											
Cement Left in Csg.	15'	Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line		Displace	13 Bbls.	Cement Amount Ordered											

EQUIPMENT

Pumptrk	1	No.	Cementer		150 ex Com 30% CC 2% oge)
			Helper	Paul	
Bulktrk	8	No.	Driver	Rochy	
			Driver		Common
Bulktrk	PV	No.	Driver	Patia	Poz. Mix
			Driver		Gel.

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR.48
	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

Cement Circulated

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

RECEIVED

JUN 17 2010

Thank You!!

Pumptrk Charge

Mileage

KCC WICHITA

Tax

Discount

Total Charge

X Signature

[Handwritten Signature]

QUALITY OILWELL CEMENTING, INC.

785-483-2025
785-324-1041

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

No. 3884

Date	3/23/10	Sec.	29	Twp.	7	Range	21	County	Graham	State	KS	On Location	<input checked="" type="checkbox"/>	Finish	9:15 PM
Lease	Alexander	Well No.	1			Location Damsel, N to U Rd, 1 W, 1/2 S, E, 1st									
Contractor	WW Drilling Rig #10										Owner	To Quality Oilwell Cementing, Inc.			
Type Job	Long String										You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Hole Size	7 7/8"		T.D.	3690'											
Csg.	5 1/2" 14 #		Depth	3690'											
Tbg. Size			Depth												
Tool	Port Collar		Depth	1696'											
Cement Left in Csg.	14'		Shoe Joint	14'											
Meas Line			Displace	89.6 Bbls.											
										Cement Amount Ordered					

EQUIPMENT

Pumptrk	9	No.	Cementer	Paul
			Helper	
Bulktrk	8	No.	Driver	Paul
			Driver	Paul
Bulktrk	PU	No.	Driver	Paul
			Driver	Paul

130 ex Can 10% Salt
Common
Poz. Mix
Gel.

JOB SERVICES & REMARKS

Remarks:
Rat Hole 30 ex
Mouse Hole ~~10 ex~~
Centralizers 1, 3, 5, 7, 9, 11, 13, 47
Baskets 2, 12, 47
D/V or Port Collar 47 - 1696'
Pump 500 gal Mud Clear - 42
Pump 10 Bbls KCL
Plug Ret ~~10 Bbls~~
M. x 100 ~~dr 5 1/2"~~
Displace - First 10 Bbls KCL
Land Plug
Float Held

Calcium
Hulls
Salt
Flowseal
Kol-Seal
Mud CLR 48 500 gal.
CFL-117 or CD110 CAF 38
Sand
Handling
Mileage

FLOAT EQUIPMENT

Guide Shoe
Centralizer 8
Baskets 3
AFU/Inserts
Float Shoe
Latch Down

Thank You!!

Rotating Head

Pumptrk Charge	
Mileage	
RECEIVED	
JUN 17 2010	
	Tax
	Amount
	Total Charge

Signature *[Handwritten Signature]*

KCC WICHITA

ALLIED CEMENTING CO., LLC. 33899

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

SERVICE POINT:
Russell KS

DATE <u>3-31-10</u>	SEC. <u>29</u>	TWP. <u>7</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>11:45am</u>	JOB FINISH <u>12:15pm</u>
LEASE <u>Alexander</u>		WELL # <u>1</u>	LOCATION <u>Bogue KS + Hwy 24 3North</u>		COUNTY <u>Graham</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)		West 1/2 South East into					

COPY
(used 255sk)

CONTRACTOR Poe Well Service
 TYPE OF JOB Part Collar / Top Stage
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 14" DEPTH _____
 TUBING SIZE 2 3/8 DEPTH 1696'
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 5861
 EQUIPMENT _____

PUMP TRUCK CEMENTER John Roberts
 # 417 HELPER Matt
 BULK TRUCK _____
 # 473 DRIVER Bobby
 BULK TRUCK _____
 # _____ DRIVER _____

OWNER _____
 CEMENT AMOUNT ORDERED 430 w/No Lite 1/4" # Flo

COMMON	<u>153</u>	@	<u>13.50</u>	<u>2065.50</u>
POZMIX	<u>102</u>	@	<u>7.55</u>	<u>770.10</u>
GEL	<u>9</u>	@	<u>20.25</u>	<u>182.25</u>
CHLORIDE		@		
ASC		@		
<u>Flo Sol</u>	<u>63</u>	@	<u>2.45</u>	<u>154.35</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>255</u>	@	<u>2.25</u>	<u>573.75</u>
MILEAGE	<u>110/16 miles</u>			<u>1275.00</u>
TOTAL				<u>5020.95</u>

REMARKS:

Test to 800 psi. Open part collar
Est. Circulation and Mix 255 sk to circ
Cement Displace w/ 5861 H₂O
Close part collar and test to 800
psi. Ran 5jts tubing and washed
hole clean. Cement Did Circulate!
 Thank You!

SERVICE

DEPTH OF JOB	_____		
PUMP TRUCK CHARGE			<u>875.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>50</u>	@	<u>2.00</u> <u>350.00</u>
MANIFOLD		@	
		@	
		@	
TOTAL <u>1225.00</u>			

KCC
 JUN 16 2010
 CONFIDENTIAL

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

PLUG & FLOAT EQUIPMENT

		@	
		@	
		@	
		@	
		@	
TOTAL _____			

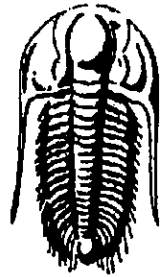
To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS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

PRINTED NAME _____

SIGNATURE L. Mason K. Edwards

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

RECEIVED
 JUN 17 2010
 KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 352
Russell, KS 67665

ATTN: Randy Killian

29 7S 21W Graham KS

Alexander #1

Start Date: 2010.03.20 @ 14:18:00

End Date: 2010.03.20 @ 20:47:00

Job Ticket #: 37316 DST #: 1

**KCC
JUN 16 2010
CONFIDENTIAL**

**RECEIVED
JUN 17 2010
KCC WICHITA**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc.

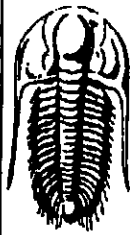
Alexander #1

29 7S 21W Graham KS

DST # 1

LKC "C"

2010.03.20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37316

DST#: 1

ATTN: Randy Killian

Test Start: 2010.03.20 @ 14:18:00

GENERAL INFORMATION:

Formation: **LKC "C"**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 15:58:00
 Time Test Ended: 20:47:00

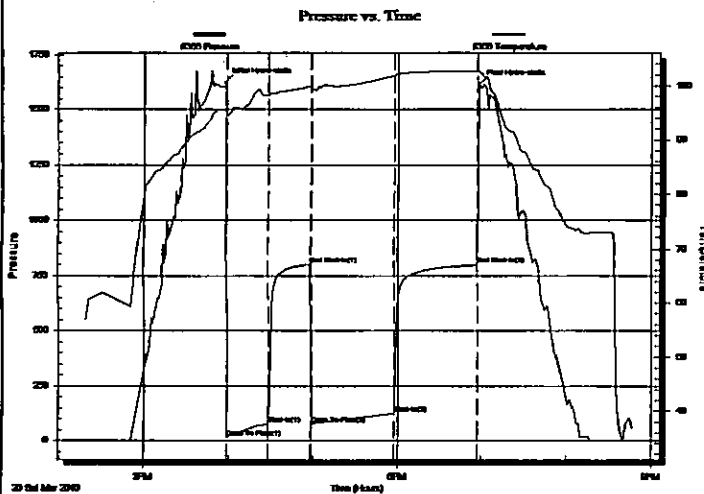
Test Type: **Conventional Bottom Hole**
 Tester: **James Winder**
 Unit No: **46**

Interval: **3352.00 ft (KB) To 3382.00 ft (KB) (TVD)**
 Total Depth: **3382.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2107.00 ft (KB)**
2102.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 8366 Inside
 Press@RunDepth: **124.15 psig @ 3353.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.03.20** End Date: **2010.03.20** Last Calib.: **2010.03.20**
 Start Time: **14:18:05** End Time: **20:46:59** Time On Btm: **2010.03.20 @ 15:57:00**
 Time Off Btm: **2010.03.20 @ 18:58:30**

TEST COMMENT: IF: Blow built to 7 1/4"
 IS: Bled off, No blow back
 FF: Blow built to BOB (12") in 59 min.
 FS: Bled off, No blow back



PRESSURE SUMMARY

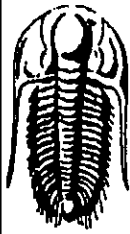
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1625.82	95.38	Initial Hydro-static
1	14.61	94.66	Open To Flow (1)
31	75.75	98.27	Shut-In(1)
61	801.78	99.86	End Shut-In(1)
62	77.63	99.54	Open To Flow (2)
121	124.15	101.84	Shut-In(2)
181	799.12	102.68	End Shut-In(2)
182	1619.08	102.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	MCW 82%w, 18%m	2.25
0.00	RW = .188 ohms @ 34.5 deg F	0.00
0.00	Chlorides = 85,000 ppm	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.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37316

DST#: 1

ATTN: Randy Killian

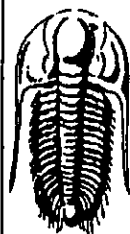
Test Start: 2010.03.20 @ 14:18:00

Tool Information

Drill Pipe:	Length: 3234.00 ft	Diameter: 3.80 inches	Volume: 45.36 bbl	Tool Weight: 1500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 45.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3352.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3337.00	
HYD S.I. Tool	5.00			3342.00	
Packer	5.00			3347.00	20.00 Bottom Of Top Packer
Packer	5.00			3352.00	
Stubb	1.00			3353.00	
Recorder	0.00	8366	Inside	3353.00	
Recorder	0.00	8320	Outside	3353.00	
Perforations	26.00			3379.00	
Bullnose	3.00			3382.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37316 DST#: 1

ATTN: Randy Killian

Test Start: 2010.03.20 @ 14:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil Apt

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

85000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 0.03 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	MCW 82%w, 18%m	2.246
0.00	RW = .188 ohms @ 34.5 deg F	0.000
0.00	Chlorides = 85,000 ppm	0.000

Total Length: 240.00 ft Total Volume: 2.246 bbl

Num Fluid Samples: 0

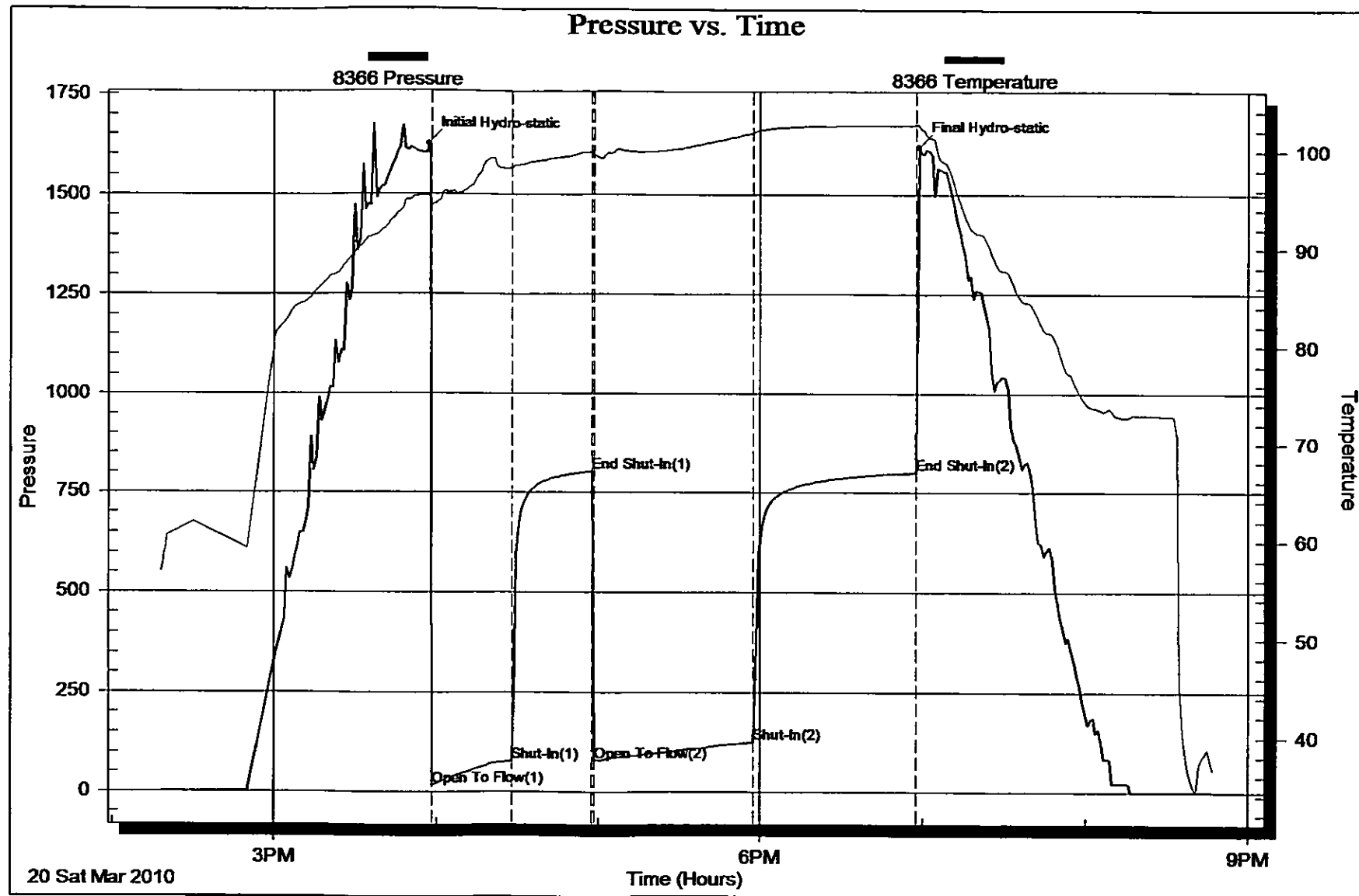
Num Gas Bombs: 0

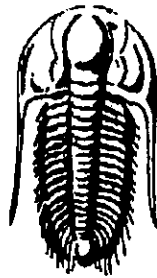
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 352
Russell, KS 67665

ATTN: Randy Killian

29 7S 21W Graham KS

Alexander #1

Start Date: 2010.03.21 @ 01:55:00

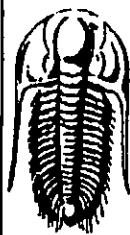
End Date: 2010.03.21 @ 07:05:00

Job Ticket #: 37317 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37317 DST#: 2

ATTN: Randy Killian

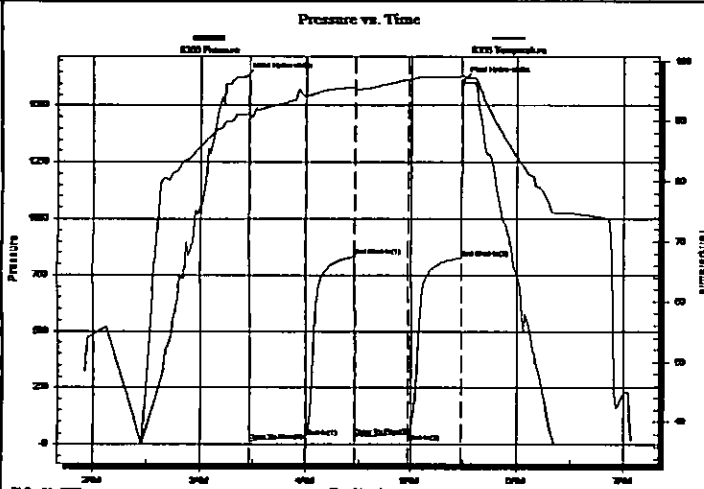
Test Start: 2010.03.21 @ 01:55:00

GENERAL INFORMATION:

Formation: LKC "D"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:28:00
 Time Test Ended: 07:05:00
 Interval: 3382.00 ft (KB) To 3403.00 ft (KB) (TVD)
 Total Depth: 3403.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: James Winder
 Unit No: 46
 Reference Elevations: 2107.00 ft (KB)
 2102.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8366 Inside
 Press@RunDepth: 48.38 psig @ 3383.00 ft (KB)
 Start Date: 2010.03.21 End Date: 2010.03.21
 Start Time: 01:55:05 End Time: 07:04:59
 Capacity: 8000.00 psig
 Last Calib.: 2010.03.21
 Time On Btm: 2010.03.21 @ 03:25:30
 Time Off Btm: 2010.03.21 @ 05:30:00

TEST COMMENT: IF: Blow built to 2 3/4"
 IS: Bled off, No blow back
 FF: Blow built to 1 1/4"
 FS: Bled off, No blow back



PRESSURE SUMMARY

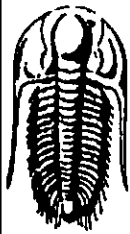
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1627.72	91.04	Initial Hydro-static
3	12.93	90.67	Open To Flow (1)
34	33.59	94.11	Shut-In(1)
62	833.31	95.68	End Shut-In(1)
63	36.95	95.33	Open To Flow (2)
93	48.38	96.90	Shut-In(2)
124	827.69	97.49	End Shut-In(2)
125	1611.92	97.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 95% _m , 5% _o	0.10
61.00	WCM w/trace oil 77% _m , 23% _w	0.30
0.00	RW = .365 ohms @ 39 deg F	0.00
0.00	Chlorides = 35,000 ppm	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.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37317

DST#: 2

ATTN: Randy Killian

Test Start: 2010.03.21 @ 01:55:00

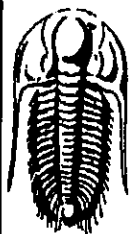
Tool Information

Drill Pipe:	Length: 3265.00 ft	Diameter: 3.80 inches	Volume: 45.80 bbl	Tool Weight: 1500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 46.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3382.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3367.00	
HYD S.I. Tool	5.00			3372.00	
Packer	5.00			3377.00	20.00 Bottom Of Top Packer
Packer	5.00			3382.00	
Stubb	1.00			3383.00	
Recorder	0.00	8366	Inside	3383.00	
Recorder	0.00	8320	Outside	3383.00	
Perforations	17.00			3400.00	
Bullnose	3.00			3403.00	21.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37317

DST#: 2

ATTN: Randy Killian

Test Start: 2010.03.21 @ 01:55:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 6.74 in³
Resistivity: ohm.m
Salinity: 600.00 ppm
Filter Cake: 0.03 inches

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

Oil API: deg API
Water Salinity: 35000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	SOCM 95% _m , 5% _o	0.098
61.00	WCM w /trace oil 77% _m , 23% _w	0.300
0.00	RW = .365 ohms @ 39 deg F	0.000
0.00	Chlorides = 35,000 ppm	0.000

Total Length: 81.00 ft Total Volume: 0.398 bbl

Num Fluid Samples: 0

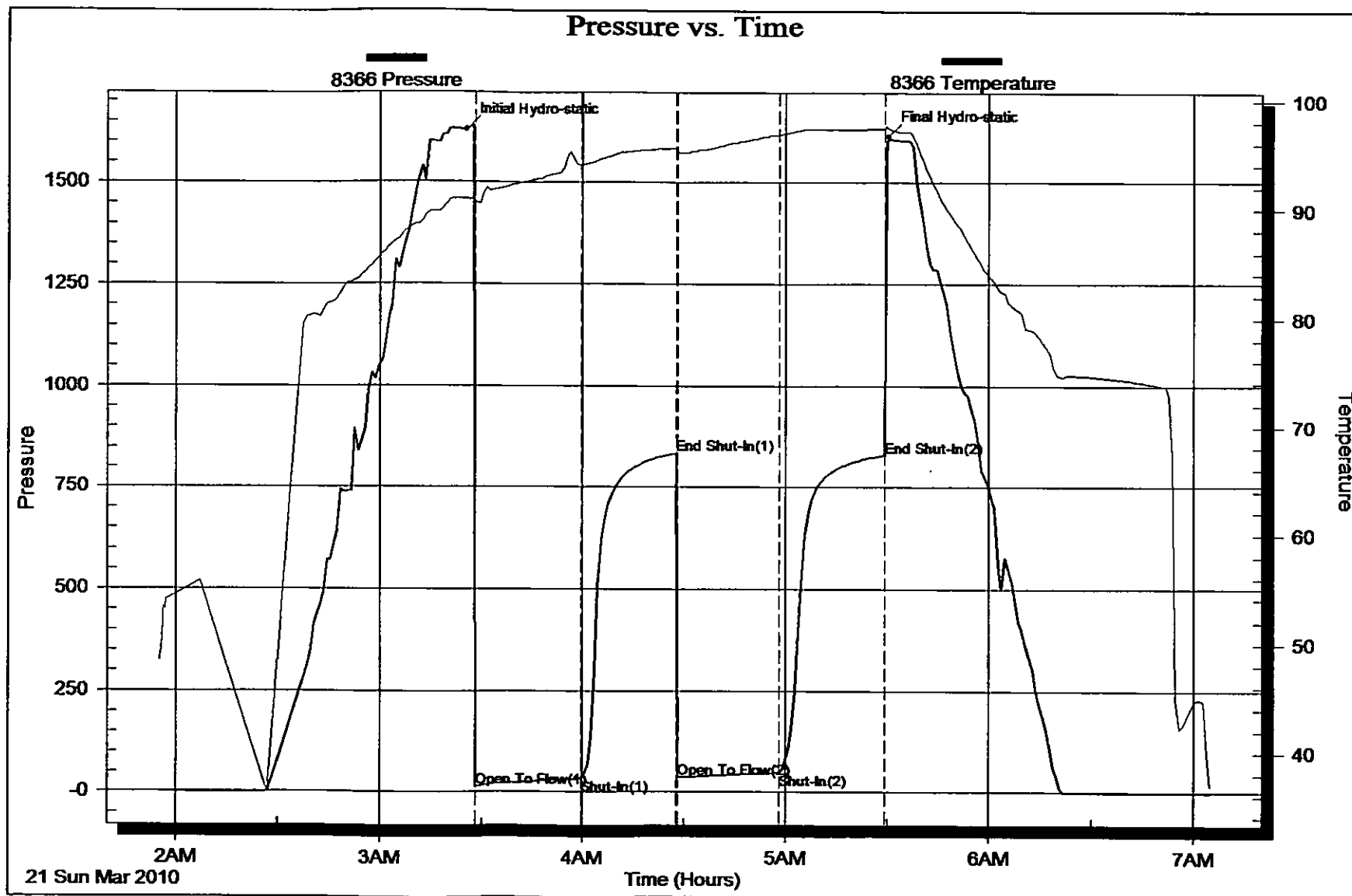
Num Gas Bombs: 0

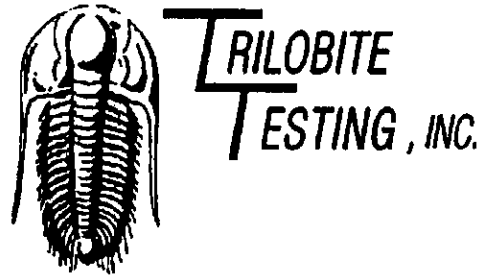
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

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

PO Box 352
Russell, KS 67665

ATTN: Randy Killian

29 7S 21W Graham KS

Alexander #1

Start Date: 2010.03.21 @ 11:41:00

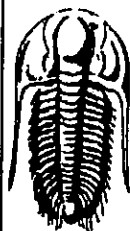
End Date: 2010.03.21 @ 17:38:30

Job Ticket #: 37318 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

John O Farmer Inc.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37318 DST#: 3

ATTN: Randy Killian

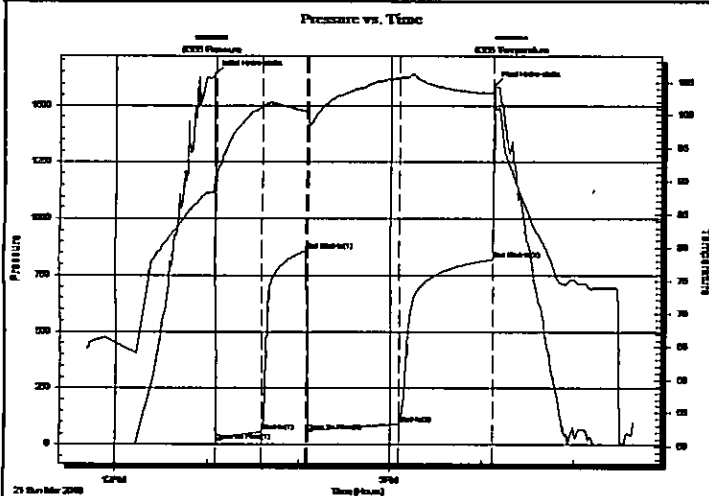
Test Start: 2010.03.21 @ 11:41:00

GENERAL INFORMATION:

Formation: **LKC "E"**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: **13:05:30**
 Time Test Ended: **17:38:30**
 Interval: **3400.00 ft (KB) To 3414.00 ft (KB) (TVD)**
 Total Depth: **3414.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **James Winder**
 Unit No: **46**
 Reference Elevations: **2107.00 ft (KB)**
2102.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 8366 Inside
 Press@RunDepth: **91.04 psig @ 3401.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.03.21** End Date: **2010.03.21** Last Calib.: **2010.03.21**
 Start Time: **11:41:05** End Time: **17:38:29** Time On Btm: **2010.03.21 @ 13:04:30**
 Time Off Btm: **2010.03.21 @ 16:07:30**

TEST COMMENT: IF: Blow built to BOB in 22 min.
 IS: Bled off, Blow back built to 1/8" in 10 min., dead @ 21 min.
 FF: Blow built to BOB in 22 1/2 min.
 FSI: Bled off, Blow back built to 1" in 16 min., dead @ 31 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1638.93	90.56	Initial Hydro-static
1	13.47	90.72	Open To Flow (1)
31	55.50	101.22	Shut-In(1)
60	858.95	100.48	End Shut-In(1)
61	58.75	99.32	Open To Flow (2)
121	91.04	105.65	Shut-In(2)
182	820.29	103.33	End Shut-In(2)
183	1592.00	101.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
82.00	GMO 44%o, 38%m, 18%g	0.40
41.00	SMCO 96%o, 4%m	0.20
83.00	CGO 76%o, 24%g	1.16
0.00	GIP = 235'	0.00
0.00	39.6 api @ 68 deg F	0.00
0.00	Corrected Gravity = 38.8 api	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.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37318

DST#: 3

ATTN: Randy Killian

Test Start: 2010.03.21 @ 11:41:00

Tool Information

Drill Pipe:	Length: 3266.00 ft	Diameter: 3.80 inches	Volume: 45.81 bbl	Tool Weight: 1500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 46.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3400.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.L Tool	5.00			3385.00	
HYD S.L Tool	5.00			3390.00	
Packer	5.00			3395.00	20.00 Bottom Of Top Packer
Packer	5.00			3400.00	
Stubb	1.00			3401.00	
Recorder	0.00	8366	Inside	3401.00	
Recorder	0.00	8320	Outside	3401.00	
Perforations	10.00			3411.00	
Bullnose	3.00			3414.00	14.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37318 **DST#: 3**

ATTN: Randy Killian

Test Start: 2010.03.21 @ 11:41:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 0.03 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
82.00	GMO 44%o, 38%m, 18%g	0.403
41.00	SMCO 96%o, 4%m	0.202
83.00	CGO 76%o, 24%g	1.164
0.00	GIP = 235'	0.000
0.00	39.6 api @ 68 deg F	0.000
0.00	Corrected Gravity = 38.8 api	0.000

Total Length: 206.00 ft

Total Volume: 1.769 bbl

Num Fluid Samples: 0

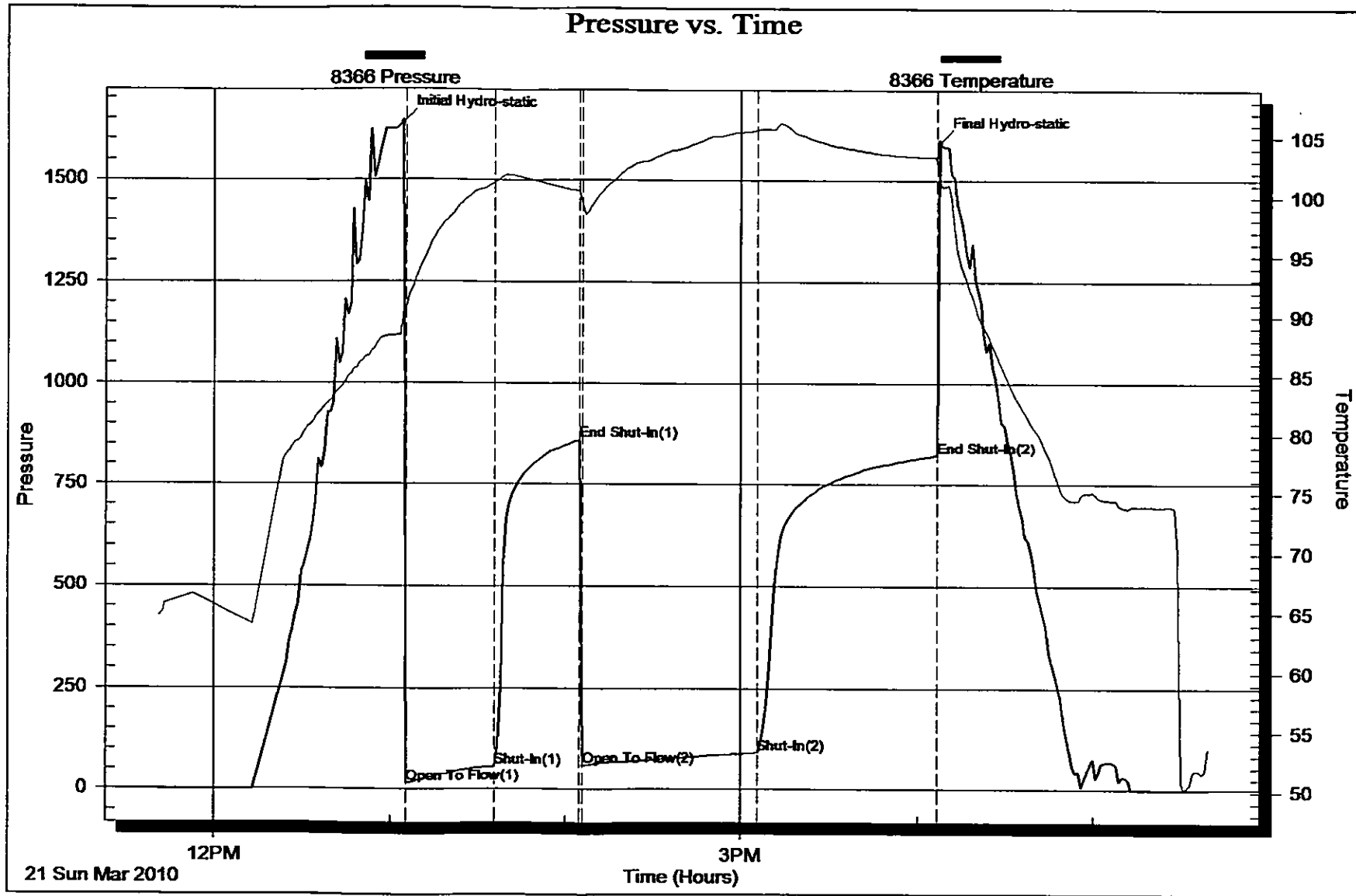
Num Gas Bombs: 0

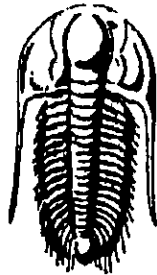
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 352
Russell, KS 67665

ATTN: Randy Killian

29 7S 21W Graham KS

Alexander #1

Start Date: 2010.03.21 @ 22:12:00

End Date: 2010.03.22 @ 04:12:30

Job Ticket #: 37319 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc.

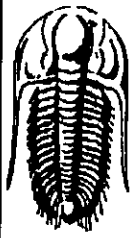
Alexander #1

29 7S 21W Graham KS

DST # 4

LKC "F"

2010.03.21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37319

DST#: 4

ATTN: Randy Killian

Test Start: 2010.03.21 @ 22:12:00

GENERAL INFORMATION:

Formation: LKC "F"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:33:30

Time Test Ended: 04:12:30

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: 3409.00 ft (KB) To 3425.00 ft (KB) (TVD)

Reference Elevations: 2107.00 ft (KB)

Total Depth: 3425.00 ft (KB) (TVD)

2102.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 284.85 psig @ 3410.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.03.21

End Date:

2010.03.22

Last Calib.: 2010.03.22

Start Time: 22:12:05

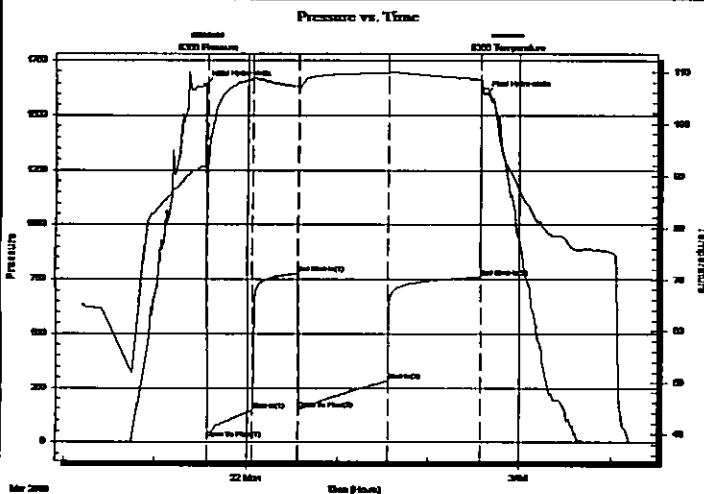
End Time:

04:12:29

Time On Btm: 2010.03.21 @ 23:31:30

Time Off Btm: 2010.03.22 @ 02:37:00

TEST COMMENT: IF: Blow built to BOB in 13 min.
IS: Bled off, No blow back
FF: Blow built to BOB in 16 min.
FSt: Bled off, No blow back



PRESSURE SUMMARY

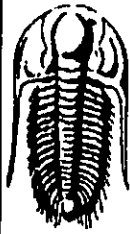
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1640.81	91.85	Initial Hydro-static
2	16.59	91.42	Open To Flow (1)
32	142.14	108.67	Shut-In(1)
62	777.35	107.27	End Shut-In(1)
63	145.47	106.94	Open To Flow (2)
122	284.85	109.79	Shut-In(2)
183	760.43	108.60	End Shut-In(2)
186	1597.31	106.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
501.00	SMCW w/trace oil 96%w, 4%m	5.91
63.00	MCW w/trace oil 75%w, 25%m	0.88
11.00	SOMCW 72%w, 25%m, 3%o	0.15
0.00	RW = .111 ohms @ 67.2 deg F	0.00
0.00	Chlorides = 75,000 ppm	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.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37319

DST#: 4

ATTN: Randy Killian

Test Start: 2010.03.21 @ 22:12:00

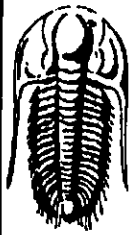
Tool Information

Drill Pipe:	Length: 3297.00 ft	Diameter: 3.80 inches	Volume: 46.25 bbl	Tool Weight: 1500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 46.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3409.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3394.00	
HYD S.I. Tool	5.00			3399.00	
Packer	5.00			3404.00	20.00 Bottom Of Top Packer
Packer	5.00			3409.00	
Stubb	1.00			3410.00	
Recorder	0.00	8366	Inside	3410.00	
Recorder	0.00	8320	Outside	3410.00	
Perforations	12.00			3422.00	
Bullnose	3.00			3425.00	16.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37319

DST#: 4

ATTN: Randy Killian

Test Start: 2010.03.21 @ 22:12:00

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:

75000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 0.03 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
501.00	SMCW w/trace oil 96%w, 4%m	5.907
63.00	MCW w/trace oil 75%w, 25%m	0.884
11.00	SO/MCW 72%w, 25%m, 3%o	0.154
0.00	RW = .111 ohms @ 67.2 deg F	0.000
0.00	Chlorides = 75,000 ppm	0.000

Total Length: 575.00 ft

Total Volume: 6.945 bbl

Num Fluid Samples: 0

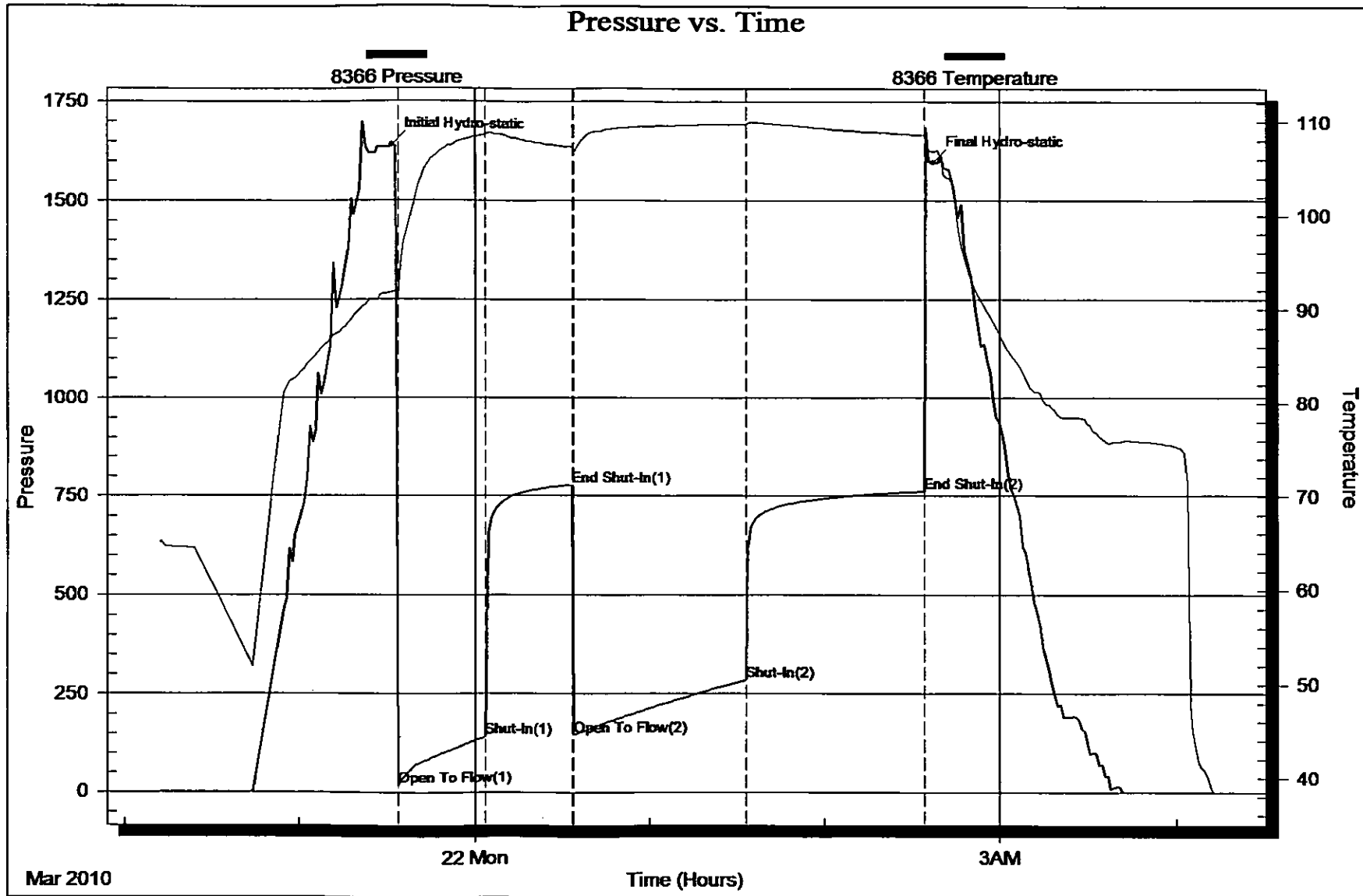
Num Gas Bombs: 0

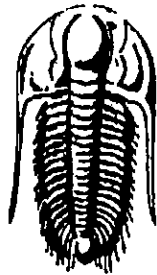
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 352
Russell, KS 67665

ATTN: Randy Killian

29 7S 21W Graham KS

Alexander #1

Start Date: 2010.03.22 @ 15:23:00

End Date: 2010.03.22 @ 20:05:30

Job Ticket #: 37320 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc.

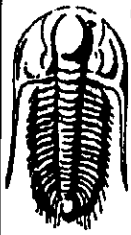
Alexander #1

29 7S 21W Graham KS

DST # 5

LKC "I" - "K"

2010.03.22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37320

DST#: 5

ATTN: Randy Killian

Test Start: 2010.03.22 @ 15:23:00

GENERAL INFORMATION:

Formation: LKC "I - K"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:50:00

Time Test Ended: 20:05:30

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: 3478.00 ft (KB) To 3520.00 ft (KB) (TVD)

Reference Elevations: 2107.00 ft (KB)

Total Depth: 3520.00 ft (KB) (TVD)

2102.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 15.72 psig @ 3479.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.03.22

End Date: 2010.03.22

Last Calib.: 2010.03.22

Start Time: 15:23:05

End Time: 20:05:29

Time On Btm: 2010.03.22 @ 16:49:00

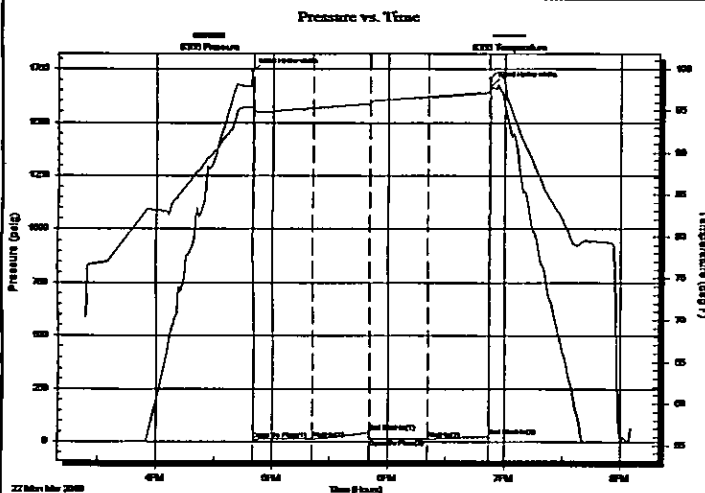
Time Off Btm: 2010.03.22 @ 18:53:00

TEST COMMENT: IF: Surface blow for 10 min, occasional blow through rest of open

IS: No blow back

FF: No blow

FS: No blow back



PRESSURE SUMMARY

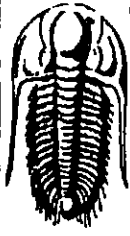
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1737.84	95.39	Initial Hydro-static
1	12.17	94.89	Open To Flow (1)
32	13.99	95.27	Shut-In(1)
61	46.02	95.77	End Shut-In(1)
62	15.04	95.79	Open To Flow (2)
92	15.72	96.59	Shut-In(2)
123	26.89	97.17	End Shut-In(2)
124	1675.63	99.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 95% m, 5% o	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37320

DST#: 5

ATTN: Randy Killian

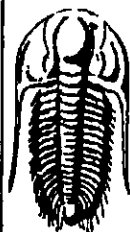
Test Start: 2010.03.22 @ 15:23:00

Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 bbl	Tool Weight: 1500.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 47.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3478.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3463.00	
HYD S.I. Tool	5.00			3468.00	
Packer	5.00			3473.00	20.00 Bottom Of Top Packer
Packer	5.00			3478.00	
Stubb	1.00			3479.00	
Recorder	0.00	8366	Inside	3479.00	
Recorder	0.00	8320	Outside	3479.00	
Perforations	5.00			3484.00	
Blank Spacing	33.00			3517.00	
Bullnose	3.00			3520.00	42.00 Bottom Packers & Anchor
Total Tool Length:	62.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

Alexander #1

PO Box 352
Russell, KS 67665

29 7S 21W Graham KS

Job Ticket: 37320 **DST#: 5**

ATTN: Randy Killian

Test Start: 2010.03.22 @ 15:23:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 0.03 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 95% m, 5% o	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

