

### Kansas Corporation Commission Oil & Gas Conservation Division

#### 1052863

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet  If Alternate II completion, cement circulated from: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date  Recompletion Date	

#### **AFFIDAVIT**

I am the affiant and I hereby certify that 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.

**Submitted Electronically** 

KCC Office Use ONLY
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

Side Two



Operator Name:			Lease Name	e:			_ Well #:	
Sec Twp	S. R	East West	County:					
time tool open and clos	sed, flowing and shut s if gas to surface tes	I base of formations per in pressures, whether set, along with final chart well site report.	shut-in pressure	reached s	static level,	hydrostatic press	sures, bottom h	ole temperature, fl
Orill Stem Tests Taken (Attach Additional S		Yes No		Log	Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolo		☐ Yes ☐ No	N	lame			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)	I Electronically	Yes No Yes No Yes No						
List All E. Logs Run:			RECORD [		Used			
	Size Hole	Report all strings set- Size Casing	-conductor, surface Weight		ate, producti Setting	on, etc.  Type of	# Sacks	Type and Percen
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.		Depth	Cement	Used	Additives
		ADDITIONA	L OFMENTING (	00115575	DECORD			
		ADDITIONA	L CEMENTING / :	SQUEEZE	RECORD			
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	d		Type and F	Percent Additives	
Shots Per Foot		ON RECORD - Bridge Plu ootage of Each Interval Pe				cture, Shot, Cement mount and Kind of Ma	•	d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Line	r Run:	Yes No		
Date of First, Resumed I	Production, SWD or ENI	HR. Producing Me	thod:	Gas Li	ift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf	Water	В	bls. (	Gas-Oil Ratio	Gravity
DISPOSITIO	Used on Lease	Open Hole	METHOD OF COM Perf. D	MPLETION: ually Comp omit ACO-5)	. Cor	nmingled mit ACO-4)	PRODUCTIO	ON INTERVAL:
(If vented, Sub	mit ACO-18.)	Other (Specify) _						



10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

# FIELD SERVICE TICKET

1718 02601 A

	PRESSURE PUM	PING & WIRELINE 3	1-339	5-	8W		DATE	TICKET NO		<u> </u>	
DATE OF 8	30-10	DISTRICT Pratt.	transas		NEW D	OLD □ F WELL □ F	ROD [IN]	☐ WDW	□ CU OF	JSTOMER RDER NO.:	
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THE ABOVE MATERIAL AND SERVICE

ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO.

REPRESENTATIVE PORCE R. M. GOSIEL

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

SERVICE



# TREATMENT REPORT

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10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

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SERVICE REPRESENTATIVE < THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



# TREATMENT REPORT

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Prepared For:

Charles N. Griffin

P.O. Box 347 Pratt, KS 67124

ATTN: Bruce A. Reed

31-33s-8w Harper,Ks

#### Diel#2

Start Date:

2010.08.28 @ 07:21:00

End Date:

2010.08.28 @ 14:39:30

Job Ticket #: 38789

DST#: 1

# ORIGINAL

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



Charles N. Griffin

Diel #2 31-33s-8w Harper, Ks

P.O. Box 347 Pratt, KS 67124

Job Ticket: 38789

**DST#: 1** 

ATTN: Bruce A. Reed

Test Start: 2010.08.28 @ 07:21:00

#### GENERAL INFORMATION:

Formation:

Mississippian

Deviated:

Whipstock:

ft (KB)

Time Tool Opened: 10:17:10 Time Test Ended: 14:39:30

Interval:

4488.00 ft (KB) To 4500.00 ft (KB) (TVD)

Total Depth:

4500.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester:

Jake Fahrenbruch

Unit No:

Reference Elevations:

1312.00 ft (KB)

1302.00 ft (CF)

KB to GR/CF:

10.00 ft

Serial #: 8648 Press@RunDepth: Inside

18.78 psig @

4489.00 ft (KB)

Last Calib .:

Capacity:

8000.00 psig

Start Date: Start Time: 2010.08.28 07:21:05

End Date: End Time: 2010.08.28 14:39:29

Time On Btm:

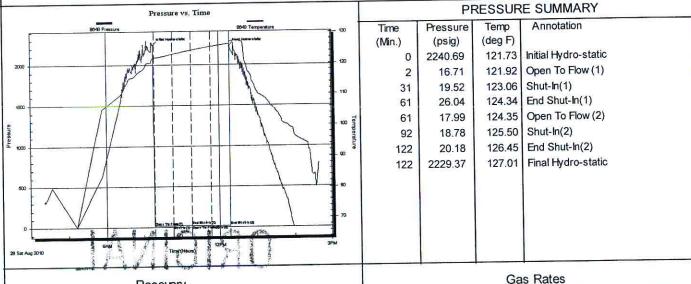
2010.08.28

2010.08.28 @ 12:17:39 Time Off Btm:

2010.08.28 @ 10:15:40

TEST COMMENT: IF: Weak blow @ .5", blow died in 20 minutes.

ISI: No blow . FF: No blow . FSI: No blow .



# Recovery Volume (bbl) Description Length (ft) 0.07 mud 100%mud 5.00

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

Trilobite Testing, Inc.

Ref. No: 38789

Printed: 2010.09.16 @ 09:36:32 Page 2



TOOL DIAGRAM

Charles N. Griffin

Diel #2

P.O. Box 347 Pratt, KS 67124 31-33s-8w Harper, Ks

Job Ticket: 38789

DST#: 1

ATTN: Bruce A. Reed

Test Start: 2010.08.28 @ 07:21:00

Tool Information

Drill Pipe:

Drill Collar:

Length: 4478.00 ft Diameter: Heavy Wt. Pipe: Length:

Length:

0.00 ft Diameter: 0.00 ft Diameter:

0.00 inches Volume: 0.00 bbl 0.00 inches Volume: 0.00 bbl Total Volume: 62.81 bbl

62.81 bbl

3.80 inches Volume:

Tool Weight: Weight set on Packer: 25000.00 lb

2500.00 lb

Weight to Pull Loose: 80000.00 lb

Tool Chased

0.00 ft

String Weight: Initial 70000.00 lb

Final 70000.00 lb

4488.00 ft ft 12.00 ft

10.00 ft

Interval between Packers: Tool Length: Number of Packers:

Drill Pipe Above KB:

Depth to Top Packer:

Depth to Bottom Packer:

32.00 ft 2

Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4473.00		
Hydraulic tool	5.00			4478.00		
Packer	5.00			4483.00	20.00	Bottom Of Top Packer
Packer	5.00			*4488.00		
Stubb	1.00			4489.00		
Recorder	0.00	8648	Inside	4489.00		
Recorder	0.00	6799	Inside	4489.00		
Perforations	6.00			4495.00		
Bullnose	5.00			4500.00	12.00	Bottom Packers & Anchor

**Total Tool Length:** 

32.00



**FLUID SUMMARY** 

deg API

ppm

Charles N. Griffin

Diel #2

P.O. Box 347 Pratt, KS 67124

Job Ticket: 38789

31-33s-8w Harper, Ks

DST#: 1

ATTN: Bruce A. Reed

Test Start: 2010.08.28 @ 07:21:00

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

9.00 lb/gal

Viscosity: Water Loss: 54.00 sec/qt 10.38 in<sup>3</sup> ohm.m

Resistivity: Salinity:

6000.00 ppm

Filter Cake:

inches

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

bbl

psig

ft

Recovery Information

Recovery Table

Volume Description Length bbl 0.070 mud 100%mud 5.00

Total Length:

5.00 ft

Total Volume:

0.070 bbl

Num Gas Bombs:

Laboratory Location:

Serial #:

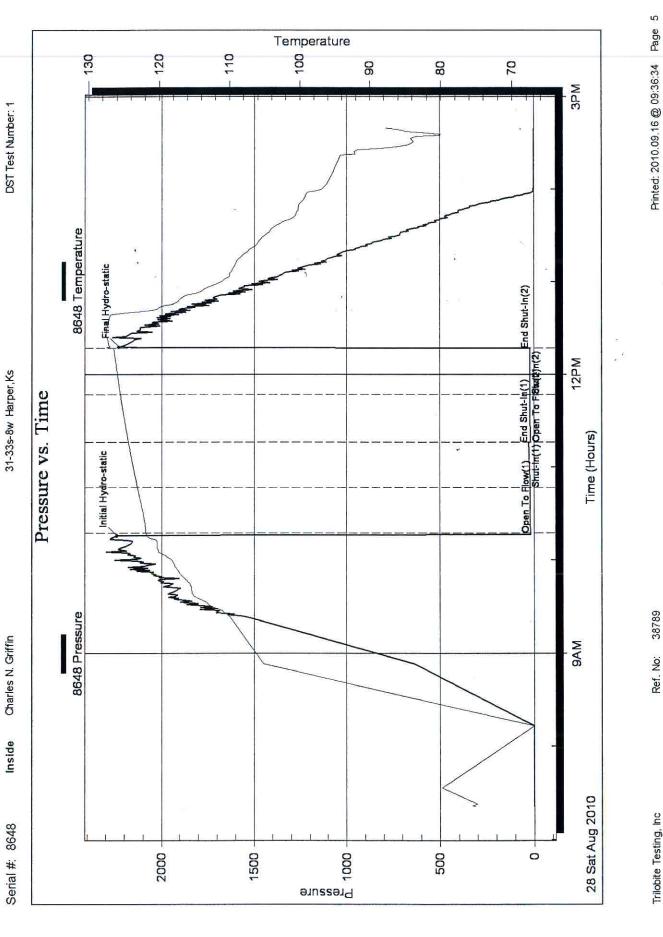
Laboratory Name: Recovery Comments:

Num Fluid Samples: 0

Trilobite Testing, Inc

Ref. No: 38789

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Ref. No:



Prepared For:

Charles N. Griffin

P.O. Box 347 Pratt, KS 67124

ATTN: Bruce A. Reed

31-33s-8w Harper,Ks

#### Diel#2

Start Date: 2010.08.29 @ 02:55:00

End Date:

2010.08.29 @ 14:27:49

Job Ticket #: 38790

DST#: 2

Trilobite Testing, Inc PO Box 362 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620



Charles N. Griffin

Diel #2

P.O. Box 347

31-33s-8w Harper, Ks

Pratt. KS 67124

Job Ticket: 38790

DST#: 2

ATTN: Bruce A. Reed

Test Start: 2010.08.29 @ 02:55:00

#### GENERAL INFORMATION:

Formation:

Mississippian

Deviated:

No Whipstock:

ft (KB)

Time Tool Opened: 08:09:50 Time Test Ended: 14:27:49

Interval:

4500.00 ft (KB) To 4516.00 ft (KB) (TVD)

Total Depth:

4516.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Good,

Test Type: Conventional Bottom Hole

Tester:

Jake Fahrenbruch

Unit No:

Reference Elevations:

1312.00 ft (KB)

1302.00 ft (CF)

KB to GR/CF:

10.00 ft

Serial #: 8648 Press@RunDepth: Inside

100.70 psig @

4501.00 ft (KB)

2010.08.29

Capacity:

8000.00 psig

Start Date: Start Time: 2010.08.29 02:55:05 End Date: End Time:

14:27:50

Last Calib .: Time On Btm: 2010.08.29

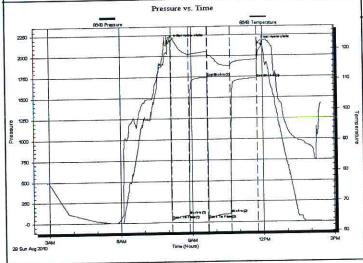
Time Off Btm:

2010.08.29 @ 08:07:39 2010.08.29 @ 11:48:30

TEST COMMENT: IF: Strong blow ,BOB immediately, GTS 11 minutes 30 seconds.

ISI: Bled off, weak sporadic blow back at surface of bucket.

FF: Strong blow, BOB immediately. FSI: Bled off, no blow back.



#### DDESSLIRE SLIMMARY

(Min.)     (psig)     (deg F)       0     2181.65     124.45     Initial Hydro-static       3     34.53     124.30     Open To Flow (1)       46     90.81     118.02     Shut-In(1)       92     1742.06     119.27     End Shut-In(1)       94     39.80     118.22     Open To Flow (2)       151     100.70     114.47     Shut-In(2)       219     1728.33     116.60     End Shut-In(2)       221     2151.88     118.64     Final Hydro-static	Time	Pressure	Temp	Annotation	
3 34.53 124.30 Open To Flow (1) 46 90.81 118.02 Shut-ln(1) 92 1742.06 119.27 End Shut-ln(1) 94 39.80 118.22 Open To Flow (2) 151 100.70 114.47 Shut-ln(2) 219 1728.33 116.60 End Shut-ln(2)	(Min.)	(psig)	(deg F)		
46 90.81 118.02 Shut-ln(1) 92 1742.06 119.27 End Shut-ln(1) 94 39.80 118.22 Open To Flow (2) 151 100.70 114.47 Shut-ln(2) 219 1728.33 116.60 End Shut-ln(2)	0	2181.65	124.45	Initial Hydro-static	
92 1742.06 119.27 End Shut-In(1) 94 39.80 118.22 Open To Flow (2) 151 100.70 114.47 Shut-In(2) 219 1728.33 116.60 End Shut-In(2)	3	34.53	124.30	Open To Flow (1)	
94 39.80 118.22 Open To Flow (2) 151 100.70 114.47 Shut-ln(2) 219 1728.33 116.60 End Shut-ln(2)	46	90.81	118.02	Shut-In(1)	
151 100.70 114.47 Shut-ln(2) 219 1728.33 116.60 End Shut-ln(2)	92	1742.06	119.27	End Shut-In(1)	
219 1728.33 116.60 End Shut-In(2)	94	39.80	118.22	Open To Flow (2)	
210 1120.00	151	100.70	114.47	Shut-In(2)	
221 2151.88 118.64 Final Hydro-static	219	1728.33	116.60	End Shut-In(2)	
	221	2151.88	118.64	Final Hydro-static	

#### Recovery

30.00 H	GCOV/M 35%g15%o20%w 30%m	0.42
00.00	GCOVVIVI 35 769 15 76020 76W 50 76W	0.42
60.00 H	GCW&MCO 22%g15%w 23%m40%o	0.84
60.00 H	GCM&WCO 40%g5%m10%w 45%o	0.84

#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	25.00	62.50
Last Gas Rate	0.25	52.00	105.34
Max. Gas Rate	0.25	52.00	105.34

Trilobite Testing, Inc

Ref. No: 38790

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**TOOL DIAGRAM** 

Charles N. Griffin

Diel #2

P.O. Box 347 Pratt, KS 67124

DST#: 2

Job Ticket: 38790

ATTN: Bruce A. Reed

Test Start: 2010.08.29 @ 02:55:00

31-33s-8w Harper, Ks

Tool Information

Drill Pipe:

Length: 4509.00 ft Diameter:

3.80 inches Volume:

63.25 bbl 0.00 bbl Tool Weight:

2500.00 lb

Heavy Wt. Pipe: Length: Drill Collar:

0.00 ft Diameter: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl 0.00 inches Volume:

Weight set on Packer: 25000.00 lb Weight to Pull Loose: 85000.00 lb

Length:

63.25 bbl

**Tool Chased** 

0.00 ft

Drill Pipe Above KB: Depth to Top Packer: 29.00 ft

4500.00 ft ft Total Volume:

Depth to Bottom Packer: Interval between Packers: 16.00 ft

String Weight: Initial 70000.00 lb Final 70000.00 lb

Tool Length: Number of Packers: 36.00 ft 2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4485.00		
Hydraulic tool	5.00			4490.00		
Packer	5.00			4495.00	20.00	Bottom Of Top Packer
Packer	* 5.00			4500.00		17 <b>86</b> 77
Stubb	1.00			4501.00		
Recorder	0.00	8648	Inside	4501.00		
Recorder	0.00	6799	Inside	4501.00		
Perforations	10.00			4511.00		
Bullnose	5.00			4516.00	16.00	Bottom Packers & Anchor

Total Tool Length:

36.00

Ref. No: 38790

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**FLUID SUMMARY** 

Charles N. Griffin

Diel #2

P.O. Box 347 Pratt, KS 67124 31-33s-8w Harper, Ks

Job Ticket: 38790

DST#: 2

ATTN: Bruce A. Reed

Test Start: 2010.08.29 @ 02:55:00

**Mud and Cushion Information** 

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal 54.00 sec/qt Cushion Length:

Water Salinity:

25000 ppm

Viscosity: Water Loss:

10.37 in<sup>3</sup>

Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:

psig

bbl

ft

Resistivity:

ohm.m 6000.00 ppm

Salinity: Filter Cake:

inches

**Recovery Information** 

Recovery Table

Length ft	Description	Volume bbl	
30.00	HGCOV/M 35%g15%o20%w 30%m	0.421	
60.00	HGCW&MCO 22%g15%w 23%m40%o	0.842	
60.00	HGCM&WCO 40%g5%m10%w 45%o	0.842	

Total Length:

150.00 ft

Total Volume:

2.105 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**GAS RATES** 

Charles N. Griffin

Diel #2

P.O. Box 347

31-33s-8w Harper, Ks

Job Ticket: 38790

Pratt, KS 67124

DST#: 2

ATTN: Bruce A. Reed

Test Start: 2010.08.29 @ 02:55:00

#### Gas Rates Information

Temperature:

59 deg C

Relative Density:

0.65

Z Factor:

0.8

#### Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
1	12	0.25	25.00	62.50
1	12	0.25	25.00	62.50
1	15	0.25	29.00	68.85
1	20	0.25	35.00	78.37
1	25	0.25	38.00	83.13
1	30	0.13	42.00	21.11
1	35	0.25	45.00	94.23
1	40	0.25	47.00	97.40
1	45	0.25	48.00	98.99
2	5	0.25	20.00	54.57
2	10	0.25	30.00	70.44
. 2	15	0.25	36.00	79.96
2	20	0.25	40.00	86.30
2	25	0.25	44.00	92.65
2	30	0.25	47.00	97.40
2	35	0.25	48.00	98.99
2	40	0.25	50.00	102.16
2	45	0.25	51.00	103.75
2	50	0.25	52.00	105.34
2	55	0.25	52.00	105.34



# RILOBITE ESTING INC.

SEP 1 0 2010

# **Test Ticket**

**NO.** 38789

P.O. Box 1733 • Hays, Kansas 67601

12/09		BY:				
Well Name & No. DI	EL #2		Test No.	/	ate 28. Avg. Z	010
Company CHARLES	1			3/2	100 mars 141 mars	_GL
Address P.O. Box		NSAS 67/24	4			
Co. Rep / Geo. BRUCE	2		Rig MAVE	RICK DRL	6.Co., RIGH	106
Location: Sec. 3/			Co. HARPER		State KAN	and the second second
Interval Tested	4488-4500	Zone Tested /	MISSISSI PPI	AN		
Anchor Length	17	_ Drill Pipe Run	4478`	Mu	d Wt	
Top Packer Depth		Drill Collars Ru	NONE :	Vis	54	
Bottom Packer Depth	1,480	_ Wt. Pipe Run_	NONE	WL	10.4	
Total Depth	4500	4	ooo ppm		M_ <del>-</del>	
Blow Description IF: W	EAK BLOW AT 1/2	". BLOW DI	ED IN 25,	NINVES.		
	6 BLOW.	4-1			* *	
FF: N	6 BLOW.					
	BLOW.					
	of DRLG. MUP		%gas	%oil	%water 100	%mud
Rec Feet	of		%gas	%oil	%water	%mud
Rec Feet	of	7	%gas	%oil	%water	%mud
Rec Feet	of		%gas	%oil	%water	%mud
Rec Feet	of		%gas	%oil	%water	%mud
Rec Total5	внт 126°F	Gravity NA	API RW	@°F C	nlorides <i>NA</i>	ppm
(A) Initial Hydrostatic	2241	Test	\$1725.00	T-On Loca	tion 0620	
(B) First Initial Flow	,.,	☐ Jars		T-Started _	0721	
(C) First Final Flow		☐ Safety Joint		T-Open		
(D) Initial Shut-In	26	Circ Sub	CHARLE	_	1217	
(E) Second Initial Flow	18	☐ Hourly Standby	V	T-Out		
(F) Second Final Flow	19	Mileage 130	R.T. \$162,50	Comments	5	******
(G) Final Shut-In	20				**************************************	
(H) Final Hydrostatic	2229	180		***************************************		
k			es.		d Shale Packer	
Initial Open30	)	☐ Extra Packer			d Packer	
Initial Shut-In	30	☐ Extra Recorde	r		Copies	
Final Flow	7.0			2000 200 12 12 12	<b>a</b> V	
Final Shut-In	30	☐ Accessibility _	*		387.50	
1		Sub Total	\$ 1,387.50		, ,	
Approved By July	CI STONA	A STATE OF THE STA	Our Representative 🗸	1. 1861	henter	-
Trilobite Testing Inc. shall not be liable fo equipment, or its statements or opinion of	r damaged of any kind of the property (	or personnel of the one for wh	om a test is made, or for any los	ss suffered or sustained.	, directly or indirectly, through the	ne use of its
equipment, or its statements or opinion of	oncerning the results of any test, tools	iost of damaged in the note s	inan be paid for at cost by the pa	THE LEST IS	MAN	

Trilobite Testing, Inc

Ref No:

38789

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# RILOBITE ESTING INC.

DECES VIII SEP 1 0 2010

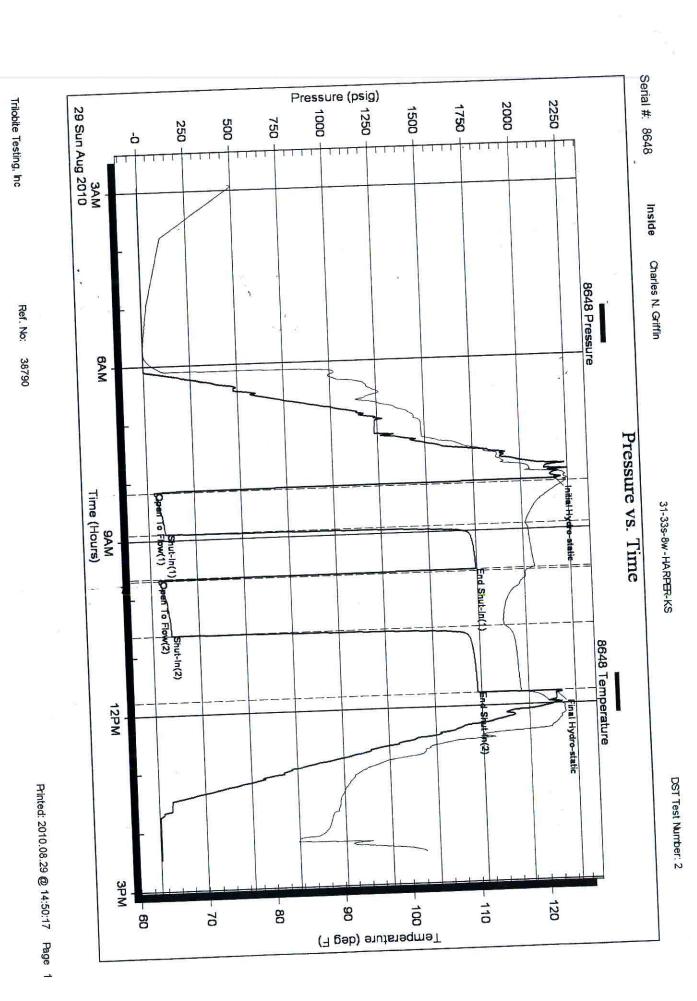
# **Test Ticket**

No. 38790

P.O. Box 1733 • Hays, Kansas 67601

1203	BY.			
Well Name & No. DIEL #2	Tes	No. 2	Date 29. Augusi	-,2010
COMPANY CHARLES N. GRIFFIN	Ele	vation1312	KB 1302	GL
Address P.O. Box 347, PRATT, KA	NSAS, 67124	*		
Co. Rep / Geo. BRUCE A. REED		MAVERICK	DRIG. Co., RIG#10	26
Location: Sec. <u>31</u> Twp. <u>335</u>	Rge. 2w Co. 1	HARPER	State KANS	45
Interval Tested 4500 - 4516	Zone Tested MT-55	I SSIPPIA	N	
Anchor Length	Drill Pipe Run 4509		Mud Wt	
Top Packer Depth 4495	Drill Collars Run <u>N</u> o <i>xを</i>	· · · · · · · · · · · · · · · · · · ·	Vis54	
Bottom Packer Depth 4500	Wt. Pipe Run NoNE	Calpinion of the Cart	WL 10.4	
Total Depth	Chlorides 6,000	ppm System	LCM O	
Blow Description IF: STRONG BLOW, BC	B IMMEDIATELY, C	5.T.5 11 MI.	NITES 30 SECONDS.	
IST BLED OFF, WEAK SP	ORACTE BLOWBACK	AT SURFACE	OF BULKET.	
FF: STRONG BLOW, BOB.			4	
FIED OFF, NO BLOW	BACK.	SE TENT		
Rec36 Feet of HGC_OWM	35%			%mud
Rec GO Feet of HGC WIMCO	27.9	11-		%mud
RecGO Feet of #GC_M #WCO	40.9	6gas 45 %	oil 10 %water 5	%mud
Rec Feet of	9	%gas %d	oil %water	%mud
Rec Feet of		%gas %6		%mud
			_ F Chlorides 25,000	ppm
(A) Initial Hydrostatic 2/82	Test	5.00 T-0		
(B) First Initial Flow35	☐ Jars		Started <u>0255</u> Open <i>0</i> 810	
(C) First Final Flow	□ Safety Joint	To	Open	<del></del>
	Circ Sub No CHARG	7F.	Out 14 15	
(E) Second Initial Flow	☐ Hourly Standby 1hr	100	mments	
(F) Second Final Flow	Mileage 130 RT.	162.50		
(G) Final Shut-In	□ Sampler			
(H) Final Hydrostatic 2-13-2	☐ Straddle	_		
45	☐ Shale Packer		Ruined Shale Packer	
initial Open	☐ Extra Packer		Ruined Packer	
Initial Shut-In 45	☐ Extra Recorder		Extra Copies	
Final Flow	☐ Day Standby	Su	b Total 8	
Final Shut-In 60	□ Accessibility		tal_1487,50	
/X 2 1	Sub Total \$1,48		ed.	
Approved By ) 1116 A. TOUC	Our Repres	entative Asoli	2 fahrender	

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





P.O. Box 362 • Hays, Kansas 67601 • (785) 625-4778

MISSISSIPPIAN 4500-4576

### **GAS VOLUME REPORT**

CHARLES N. GRIFFIN OPERATOR				D_	TEL "Z		
		OPERATOR			WELL NAME AND	NO.	DST NO.
	INITIAL	FLOW			FINE FO	con	
Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
12	25	14"	58,200	5	20	14"	50,900
15	29	· 1/4 w	64,100	10	30	14"	50,900 65,600
20	35	44"	72,900	15	36	14'	74,400
25	38	44×	77,300	20	40	14'	8,0,300
30	42	14"	83,200	25	44		86,000
35	45	14*	87,600	30	47	44"	86,100
40	47	14 *	90,000	35	48	4"	92,000
45	48	14"	92,000	40	50	4"	95,000
				45	51	4.	96,400
				50	52	14"	97,900
				55	52	14"	
				60	52	14"	97,900 97,900
		a			¥		
1							
		900					

in Liberal, KS. Jacob I Jan