



KANSAS CORPORATION COMMISSION 1080072
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

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: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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: _____



1080072

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Pickrell Drilling Company, Inc.
Well Name	Giess 'E' 2
Doc ID	1080072

Tops

Name	Top	Datum
T/Anhydrite	1845	(+657)
B/Anhydrite	1877	(+625)
Heebner	3822	(-1320)
Lansing	3866	(-1364)
Pawnee	4290	(-1788)
Fort Scott	4362	(-1860)
Cherokee	4388	(-1886)
Mississippi	4454	(-1952)
Mississippi Por	4465	(-1963)

ALLIED OIL & GAS SERVICES, LLC 053515

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend, KS.

DATE <u>4-19-12</u>	SEC <u>9</u>	TWP <u>17s</u>	RANGE <u>25w</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 AM</u>	JOB FINISH <u>10:30 AM</u>
LEASE <u>Gress</u>	WELL# <u>2</u>	LOCATION <u>Arnold, KS 3 west</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>3 south east info</u>					

CONTRACTOR Pickrell Rig #1 OWNER Pickrell Drilling

TYPE OF JOB Rotary Plug
 HOLE SIZE 1 7/8 T.D. 2483
 CEMENT AMOUNT ORDERED 250 sks, 60/40
POZ 4% gel 1/4 floccul

PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

COMMON	<u>150</u>	@	<u>16.25</u>	<u>2,437.50</u>
POZMIX	<u>100</u>	@	<u>8.50</u>	<u>850.00</u>
GEL	<u>9</u>	@	<u>21.25</u>	<u>191.25</u>
CHLORIDE		@		
ASC		@		
HANDLING	<u>269</u>	@	<u>2.10</u>	<u>564.90</u>
MILEAGE	<u>11x31</u>	@	<u>2.35</u>	<u>801.00</u>
TOTAL				<u>4,843.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Greg L
 # 366 HELPER Kevin E
 BULK TRUCK # 497/541 DRIVER Kevin W
 BULK TRUCK # _____ DRIVER _____

REMARKS:

1st plug 1910' mix 50 sks
2nd plug 1170' mix 40 sks
3rd plug 600' mix 40 sks
4th plug 300' mix 50 sks
5th plug 60' mix 20 sks
Mix 50 sks 1st hole
Mix 20 sks mouse hole

CHARGE TO: Pickrell
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE 1250.00
 EXTRA FOOTAGE @ _____
 MILEAGE Hvm 62 @ 7.00 434.00
 MANIFOLD @ _____
Lvm 62 @ 4.00 248.00

TOTAL 1932.00

PLUG & FLOAT EQUIPMENT

TOTAL _____

To: Allied Oil & Gas Services, 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.

SALES TAX (if Any) _____
 TOTAL CHARGES 6,775.00
 70% 20% 2,096.00
 DISCOUNT _____ IF PAID IN 30 DAYS
4,679.00

PRINTED NAME X Mike Kern
 SIGNATURE X Mike Kern
Thank You!

ALLIED CEMENTING CO., LLC. 042464

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
*Group - Bonds, KS
2-1-11-12*

DATE <i>4-12-12</i>	SEC. <i>9</i>	TWP. <i>17S</i>	RANGE <i>25E</i>	CALLED OUT	ON LOCATION	JOB START <i>12:30</i>	JOB FINISH <i>12:30</i>
LEASE <i>6:55</i>		WELL# <i>2</i>		LOCATION <i>Arnold, KS 3 west 3 south</i>		COUNTY	STATE
OLD OR <u>NEW</u> (Circle one)				<i>East int</i>			

CONTRACTOR *Pickrell Drilling*
 TYPE OF JOB *Surface*
 HOLE SIZE *17 1/4* T.D.
 CASING SIZE *5 5/8* DEPTH *274*
 TUBING SIZE DEPTH
 DRILL PIPE *4 1/2* DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. *15 ft*
 PERFS.
 DISPLACEMENT *16.49 bbl's fresh water*

OWNER *Pickrell Drilling*
 CEMENT
 AMOUNT ORDERED *160 SKS class A 3 1/2 cc 2 1/2 gal*

EQUIPMENT

PUMP TRUCK CEMENTER *Derrine*
 # *398* HELPER *Kerry B*
 BULK TRUCK
 # *301* DRIVER *Chase K*
 BULK TRUCK
 # DRIVER

COMMON	<i>160</i>	@	<i>16.25</i>	<i>2600.00</i>
POZMIX		@		
GEL	<i>3</i>	@	<i>21.25</i>	<i>63.75</i>
CHLORIDE	<i>6</i>	@	<i>58.20</i>	<i>349.20</i>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>173.5</i>	@	<i>2.10</i>	<i>364.32</i>
MILEAGE	<i>7.91 x 31 x.</i>	@	<i>2.35</i>	<i>576.24</i>
TOTAL				<i>3.953.36</i>

REMARKS:

*Pipe on bottom break circulation with 3 1/2 cc
 mix 160 SKS class A 3 1/2 cc 2 1/2 gal
 Displace 16.49 fresh water
 shut in
 cement did circulate
 Rig Down*

SERVICE

DEPTH OF JOB	<i>274</i>		
PUMP TRUCK CHARGE			<i>1125.00</i>
EXTRA FOOTAGE		@	
MILEAGE	<i>HUM 62</i>	@	<i>7.00 434.00</i>
MANIFOLD		@	
	<i>hum 62</i>	@	<i>4.00 248.00</i>
		@	

TOTAL *1807.00*

CHARGE TO: *Pickrell Drilling Inc.*
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

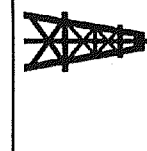
	@	
	@	
	@	
	@	
	@	

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.

SALES TAX (If Any) _____
 TOTAL CHARGES *5.760.56*
 DISCOUNT *20% 20%* *1.781.22*
3.979.34
 IF PAID IN 30 DAYS

PRINTED NAME *Mike Kern*
 SIGNATURE *X Mike Kern*
Thank You !!



JERRY A. SMITH

CERTIFIED PETROLEUM GEOLOGIST

GEOLOGIST'S REPORT

DRILLING TIME and SAMPLE LOG

COMPANY: PICKRELL DRILLING COMPANY, INC.

LEASE: #2 GIESS "E"

FIELD: STUTZ EAST

LOCATION: 1750 FNL & 1360 FWL

SEC. 9

COUNTY: NESS

CONTRACTOR: COMPANY TOOLS, RIG #1

SPUD: 4/10/12

RTD: 4483

MUD UP: 3401

API No. 15-135-25375

SAMPLES SAVED FROM: 3800

DRILLING TIME KEPT FROM: 3700

SAMPLES EXAMINED FROM: 3800

GEOLOGICAL SUPERVISION FROM: 3880

GEOLOGIST ON WELL: Jerry A. Smith

ELEVATIONS

K.B. 2802

D.F.

G.L. 2482

Measurements Are All From:

KB

CASING

SURFACE: 8 5/8" @ 289'

PRODUCTION: P & A

ELECTRICAL SURVEYS

NO LOGS RUN

TO: RTD

TO: RTD

TO: RTD

TO: RTD

TO: RTD

TO: RTD

TO: RTD

TO: RTD

TO: RTD

TO: RTD

TO: RTD

TO: RTD

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TO: RTD

TO: RTD

TO: RTD

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE		1845 (+657)
HEEBNER		3822 (-1320)
LANISING		3866 (-1364)
STARK		4103 (-1601)
FT. SCOTT		4382 (-1860)
CHEROKEE		4388 (-1886)
MISSISSIPPIAN		4454 (-1952)
MISS. POROSITY		4465 (-1963)

DEPTH	DRILLING TIME IN MINUTES PER FOOT	SAMPLE DESCRIPTIONS	REMARKS
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Rate of Penetration Increases

5" 10" 15" 20" 25"

NO GAS DETECTOR
DST'S (2): TRILOBITE
MUD: MUD-Co

S.H.T.'s:
274' 3/4" 2927' 1"
1256' 3/4" 3465' 1"
1793' 1" 4473' 1/4"
2297' 3/4"

VERT LOG SCALE: 2" = 100'

ANHYDRITE
1845 (+657) SMPL

B/ANHYDRITE
1877 (+625) SMPL

HEEBNER
3822 (-1320) SMPL

LANISING
3866 (-1364) SMPL

MUD @ 4068':
9.1 WT, 42 VIS, 8.8 FILT,
3000 CHLOR, 0 LCM

STARK
4103 (-1601) SMPL

PAWNEE
4290 (-1788) SMPL

FT. SCOTT
4362 (-1860) SMPL

MUD @ 4383':
9.3 WT, 38 VIS, 10.0 FILT
3800 CHLOR, 0 LCM

CHEROKEE
4388 (-1886) SMPL

DST #1:
30-60-60-60
IF: 3" BLOW
IS: NO RETURN
FF: 1" BLOW
FSI: NO RETURN

RECOVERY:
100' MUD
6" OIL ON TOP

SIP'S: 929-841H
FP'S: 25-50/54-74H
HP'S: 2174-2131H
BHT: 121' F

MISSISSIPPIAN
4454 (-1952) SMPL

MISS. POROSITY
4465 (-1963) SMPL

TOTAL DEPTH
4483 (-1981) ROTARY

DST #2:
30-60-60-90
IF: 5" BLOW
IS: NO RETURN
FF: 6" BLOW
FSI: NO RETURN

RECOVERY:
2' OIL
220' MCW (90% W, 10% M)
CHLORIDES 27,000 PPM

SIP'S: 1033-998H
FP'S: 25-77/108-121H
HP'S: 2213-2189H
BHT: 126' F

DEPTH

5" 10" 15" 20" 25"

DRILLING TIME IN MINUTES PER FOOT

Rate of Penetration Increases

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE

SALT

SANDSTONE

SHALE

CARB SH

LIMESTONE

OOL. LIM.

CHERT

DOLOMITE

LITHOLOGY

DEPTH

DRILLING TIME IN MINUTES PER FOOT

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE

SALT

SANDSTONE

SHALE

CARB SH

LIMESTONE

OOL. LIM.

CHERT

DOLOMITE

LITHOLOGY

DEPTH

DRILLING TIME IN MINUTES PER FOOT

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE

SALT

SANDSTONE

SHALE

CARB SH

LIMESTONE

OOL. LIM.

CHERT

DOLOMITE

LITHOLOGY

DEPTH

DRILLING TIME IN MINUTES PER FOOT

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE

SALT

SANDSTONE

SHALE

CARB SH

LIMESTONE

OOL. LIM.

CHERT

DOLOMITE

LITHOLOGY

DEPTH

DRILLING TIME IN MINUTES PER FOOT

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE

SALT

SANDSTONE

SHALE

CARB SH

LIMESTONE

OOL. LIM.

CHERT

DOLOMITE

LITHOLOGY

DEPTH

DRILLING TIME IN MINUTES PER FOOT

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE

SALT

SANDSTONE

SHALE

CARB SH

LIMESTONE

OOL. LIM.

CHERT

DOLOMITE

LITHOLOGY

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DRILLING TIME IN MINUTES PER FOOT

SAMPLE DESCRIPTIONS

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LITHOLOGY

DEPTH

DRILLING TIME IN MINUTES PER FOOT

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE

SALT

SANDSTONE

SHALE

CARB SH



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Co, Inc.**

100 S. Main St. STE 505
Wichita, KS 67202

ATTN: Jerry Smith

Giess E #2

9-17s-25w Ness,KS

Start Date: 2012.04.17 @ 21:12:00

End Date: 2012.04.18 @ 05:51:15

Job Ticket #: 46687 DST #: 1

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

Printed: 2012.04.25 @ 13:39:49



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drilling Co, Inc.

9-17s-25w Ness,KS

100 S. Main St. STE 505
Wichita, KS 67202

Giess E #2

Job Ticket: 46687

DST#: 1

ATTN: Jerry Smith

Test Start: 2012.04.17 @ 21:12:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:22:00

Time Test Ended: 05:51:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 53

Interval: 4408.00 ft (KB) To 4473.00 ft (KB) (TVD)

Reference Elevations: 2502.00 ft (KB)

Total Depth: 4408.00 ft (KB) (TVD)

2492.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8522 Outside

Press @ RunDepth: 74.06 psig @ 4409.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.17

End Date:

2012.04.18

Last Calib.: 2012.04.18

Start Time: 21:12:05

End Time:

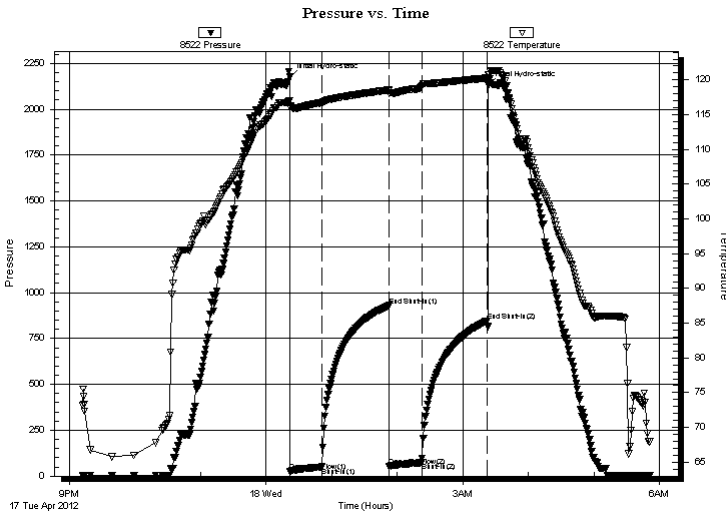
05:51:15

Time On Btm: 2012.04.18 @ 00:21:45

Time Off Btm: 2012.04.18 @ 03:23:15

TEST COMMENT: IF: 3" blow.
IS: No return.
FF: 1" Blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2174.34	116.98	Initial Hydro-static
1	25.38	116.11	Open To Flow (1)
29	50.09	116.73	Shut-In(1)
91	929.22	118.57	End Shut-In(1)
91	54.10	118.10	Open To Flow (2)
121	74.06	119.16	Shut-In(2)
181	846.04	120.27	End Shut-In(2)
182	2130.72	120.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	mud 100m (6" oil on top)	0.49

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Co, Inc.

9-17s-25w Ness,KS

100 S. Main St. STE 505
Wichita, KS 67202

Giess E #2

Job Ticket: 46687

DST#: 1

ATTN: Jerry Smith

Test Start: 2012.04.17 @ 21:12:00

Tool Information

Drill Pipe:	Length: 4294.00 ft	Diameter: 3.20 inches	Volume: 42.71 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	92000.00 lb
			<u>Total Volume: 43.31 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	82000.00 lb
Depth to Top Packer:	4408.00 ft			Final	82000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	65.00 ft				
Tool Length:	86.00 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			4392.00	
Hydraulic tool	5.00			4397.00	
Safety Joint	2.00			4399.00	
Packer	5.00			4404.00	21.00 Bottom Of Top Packer
Packer	4.00			4408.00	
Stubb	1.00			4409.00	
Recorder	0.00	8522	Outside	4409.00	
Recorder	0.00	8678	Inside	4409.00	
Perforations	27.00			4436.00	
Change Over Sub	1.00			4437.00	
Drill Pipe	32.00			4469.00	
Bullnose	1.00			4470.00	
Bullnose	3.00			4473.00	65.00 Bottom Packers & Anchor

Total Tool Length: 86.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co, Inc.

9-17s-25w Ness,KS

100 S. Main St. STE 505
Wichita, KS 67202

Giess E #2

Job Ticket: 46687

DST#: 1

ATTN: Jerry Smith

Test Start: 2012.04.17 @ 21:12:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 38.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
100.00	mud 100m (6" oil on top)	0.492

Total Length: 100.00 ft Total Volume: 0.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

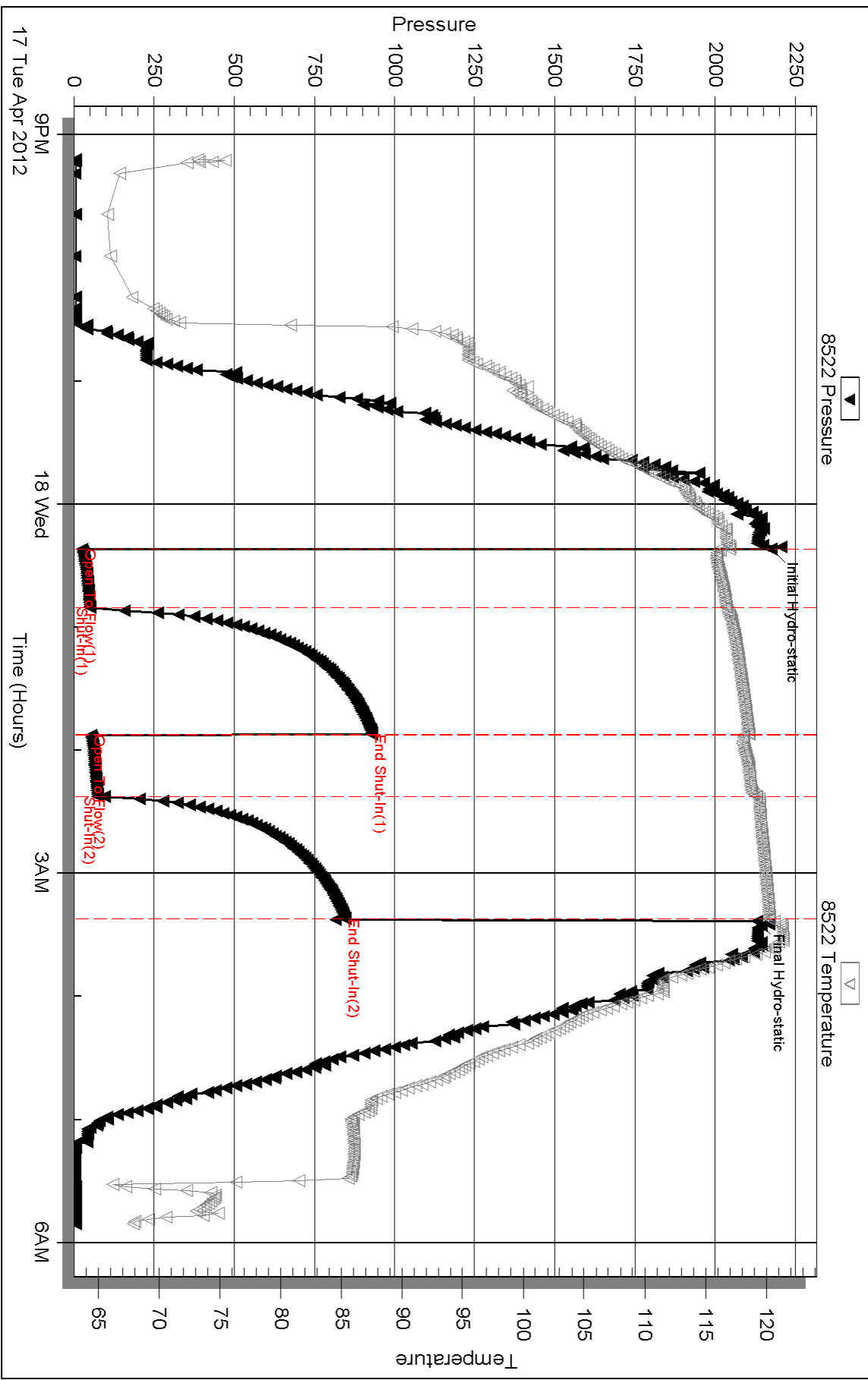
Serial #: 8522

Outside Pickett Drilling Co. Inc.

Gless E#2

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46687

Printed: 2012.04.25 @ 13:39:51

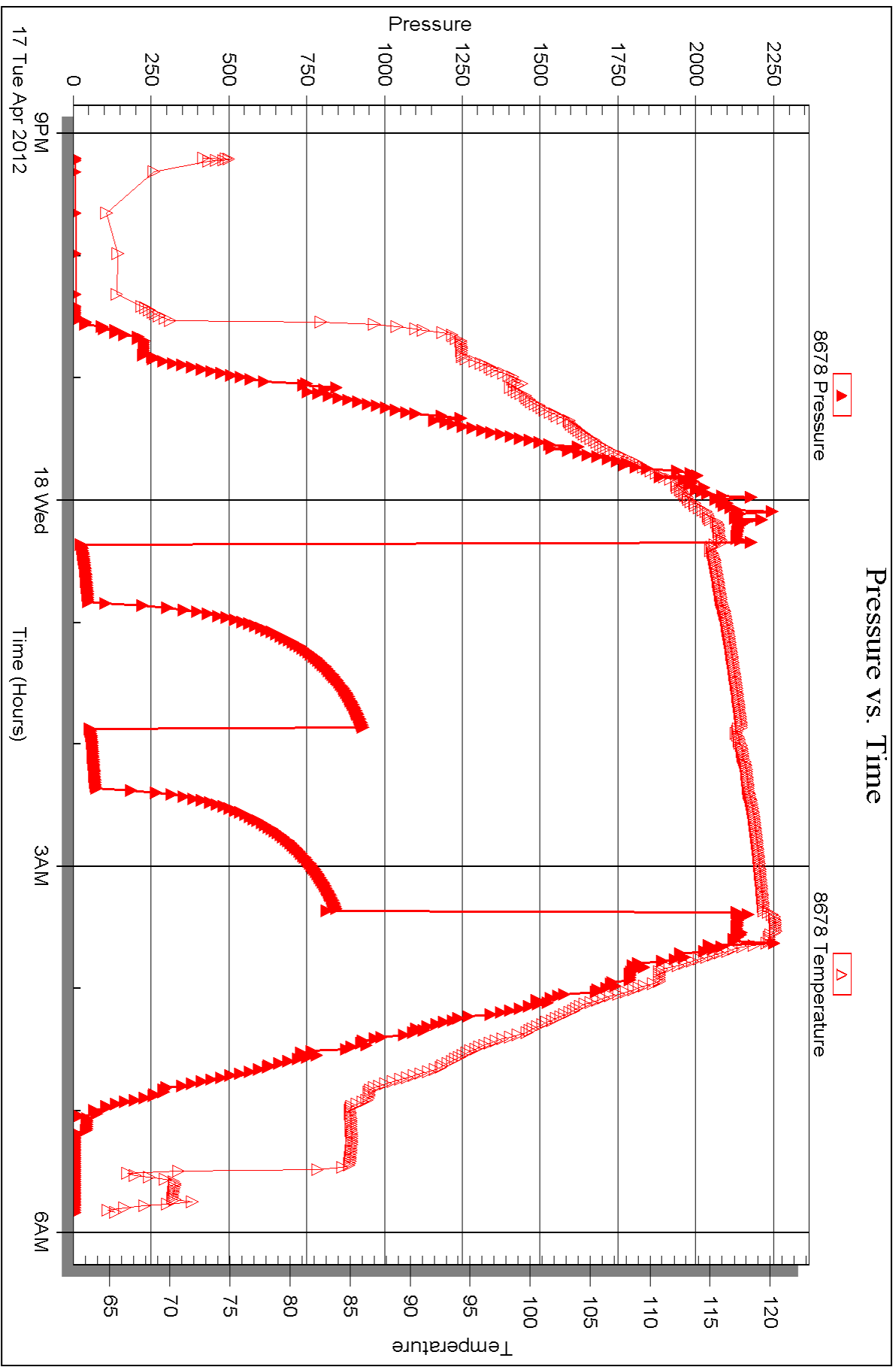
Serial #: 8678

Inside

Pickell Drilling Co. Inc.

Gless E#2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Co, Inc.**

100 S. Main St. STE 505
Wichita, KS 67202

ATTN: Jerry Smith

Giess E #2

9-17s-25w Ness,KS

Start Date: 2012.04.18 @ 13:28:00

End Date: 2012.04.18 @ 22:43:45

Job Ticket #: 46688 DST #: 2

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

Printed: 2012.04.25 @ 13:38:18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drilling Co, Inc.

9-17s-25w Ness, KS

100 S. Main St. STE 505
Wichita, KS 67202

Giess E #2

Job Ticket: 46688

DST#: 2

ATTN: Jerry Smith

Test Start: 2012.04.18 @ 13:28:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:46:45

Time Test Ended: 22:43:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

Interval: 4468.00 ft (KB) To 4483.00 ft (KB) (TVD)

Total Depth: 4408.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2502.00 ft (KB)

2492.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8522 Outside

Press @ Run Depth: 121.29 psig @ 4469.00 ft (KB)

Start Date: 2012.04.18

End Date: 2012.04.18

Start Time: 13:28:05

End Time: 22:43:45

Capacity: 8000.00 psig

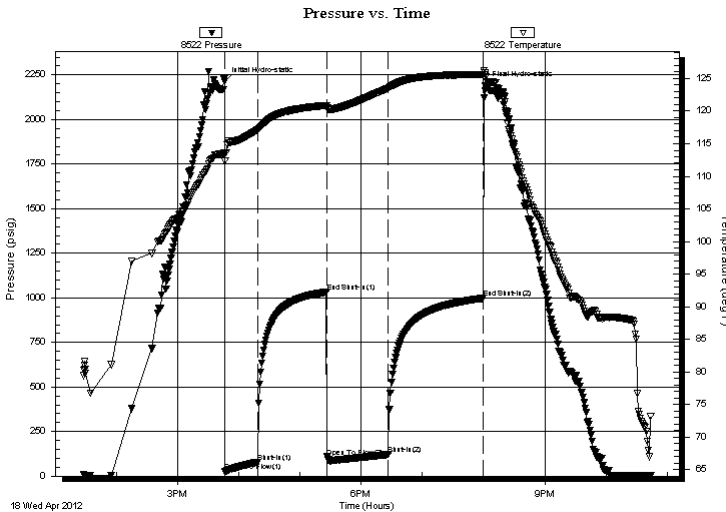
Last Calib.: 2012.04.18

Time On Btm: 2012.04.18 @ 15:46:30

Time Off Btm: 2012.04.18 @ 20:01:15

TEST COMMENT: IF: 5" blow.
IS: No return.
FF: 6" Blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2212.88	113.56	Initial Hydro-static
1	24.91	112.37	Open To Flow (1)
33	77.25	117.16	Shut-In(1)
100	1032.86	120.87	End Shut-In(1)
101	108.30	120.51	Open To Flow (2)
161	121.29	123.48	Shut-In(2)
254	998.00	125.61	End Shut-In(2)
255	2189.31	125.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	mcw 10m 90w (oil spots)	1.57
2.00	oil 100o	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Co, Inc.

9-17s-25w Ness,KS

100 S. Main St. STE 505
Wichita, KS 67202

Giess E #2

Job Ticket: 46688

DST#: 2

ATTN: Jerry Smith

Test Start: 2012.04.18 @ 13:28:00

Tool Information

Drill Pipe:	Length: 4357.00 ft	Diameter: 3.20 inches	Volume: 43.34 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	100000.0 lb
			<u>Total Volume: 43.94 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	81000.00 lb
Depth to Top Packer:	4468.00 ft			Final	81000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 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
Shut In Tool	5.00			4452.00	
Hydraulic tool	5.00			4457.00	
Safety Joint	2.00			4459.00	
Packer	5.00			4464.00	21.00 Bottom Of Top Packer
Packer	4.00			4468.00	
Stubb	1.00			4469.00	
Recorder	0.00	8522	Outside	4469.00	
Recorder	0.00	8678	Inside	4469.00	
Perforations	11.00			4480.00	
Bullnose	3.00			4483.00	15.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co, Inc.

9-17s-25w Ness,KS

100 S. Main St. STE 505
Wichita, KS 67202

Giess E #2

Job Ticket: 46688

DST#: 2

ATTN: Jerry Smith

Test Start: 2012.04.18 @ 13:28:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

27000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
220.00	mcw 10m 90w (oil spots)	1.570
2.00	oil 100o	0.020

Total Length: 222.00 ft Total Volume: 1.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

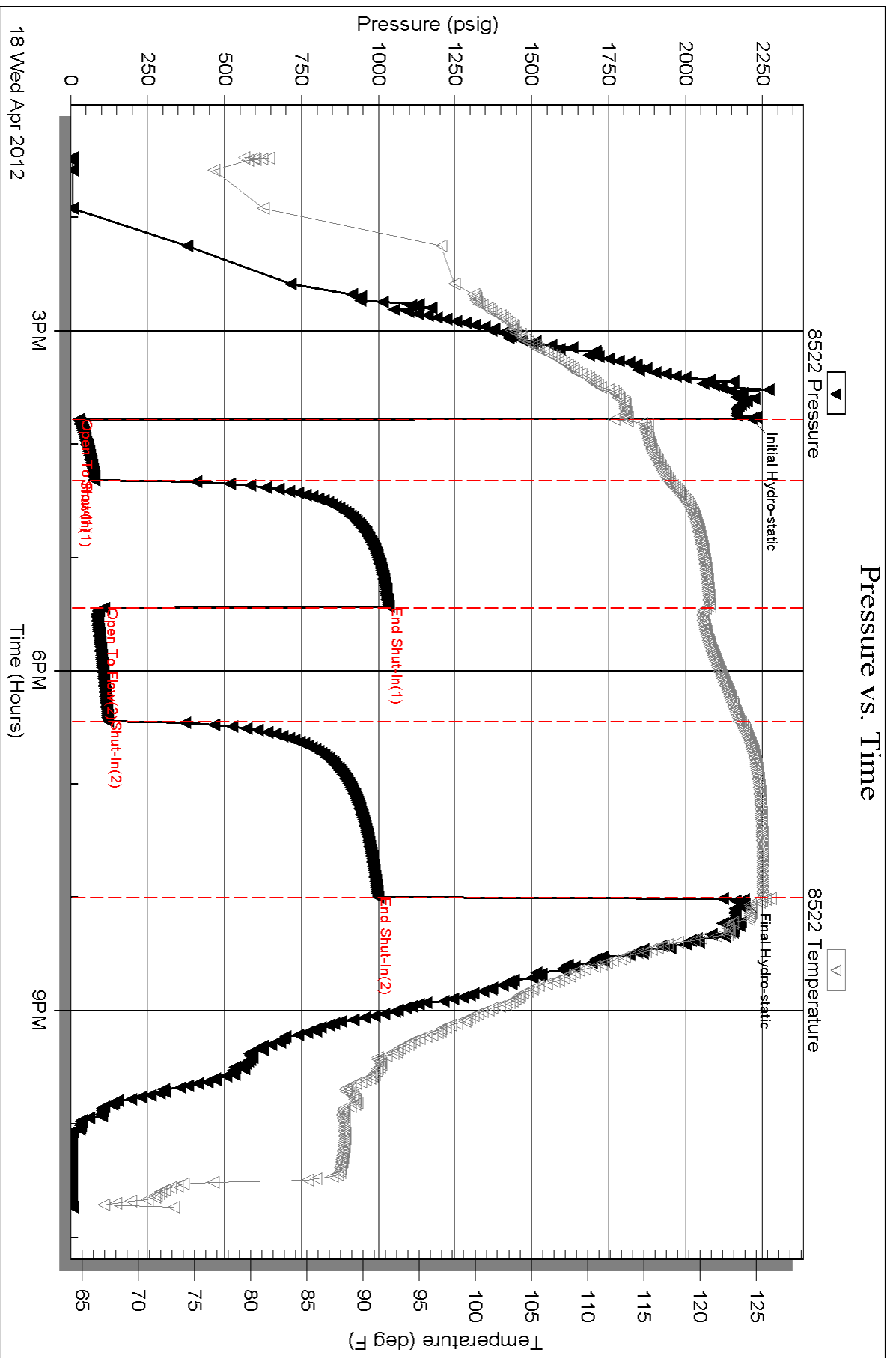
Recovery Comments: rw is .290 @ 61F = 27,000 ppm

Serial #: 8522

Outside Pickett Drilling Co. Inc.

Gless E#2

DST Test Number: 2



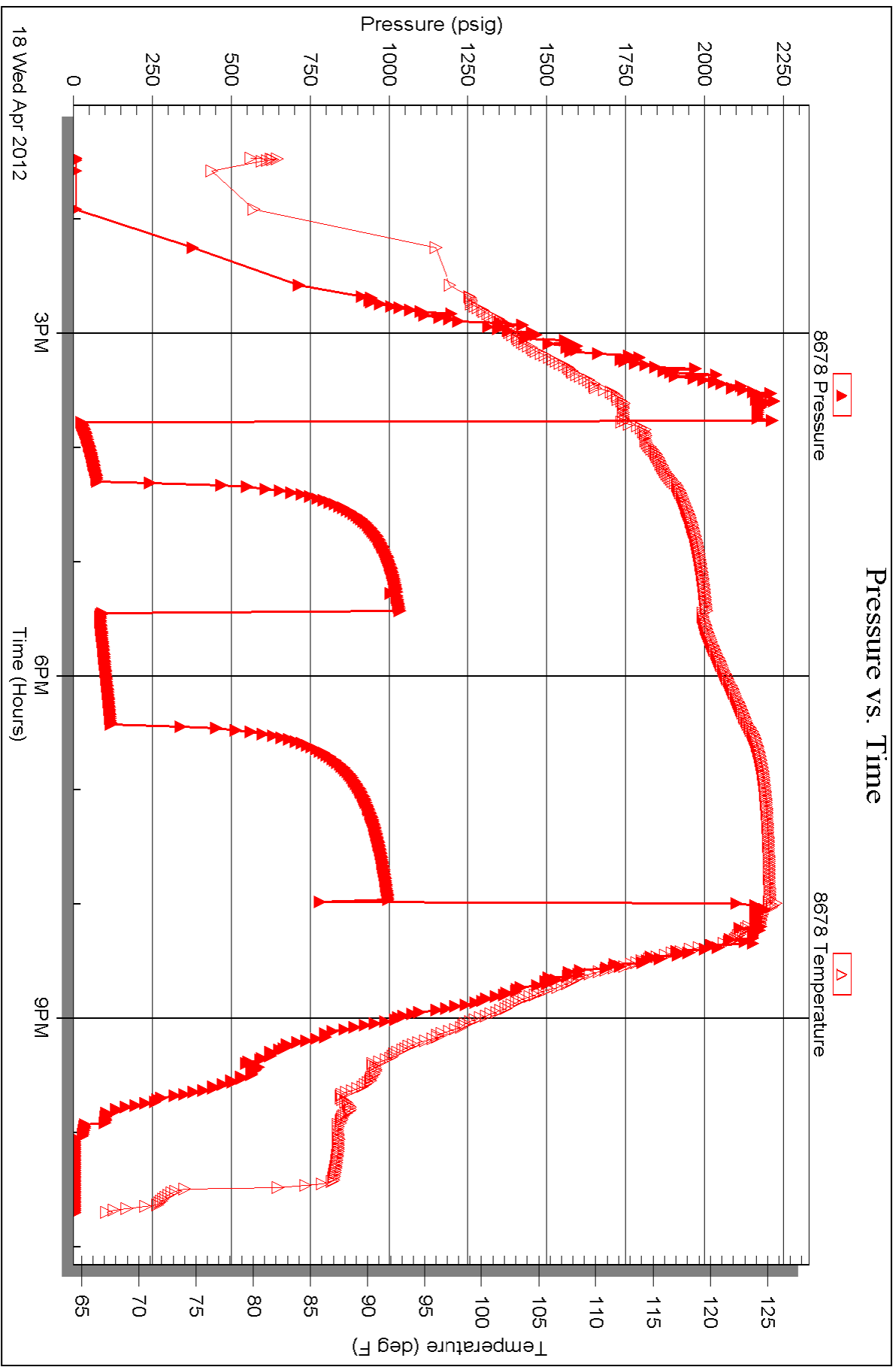
Serial #: 8678

Inside

Pickell Drilling Co. Inc.

Gless E#2

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED Test Ticket

APR 19 2012

NO. 46687

BY: _____

Well Name & No. <u>Gies "E" #2</u>	Test No. <u>1</u>	Date <u>4/18/12</u>
Company <u>Pickrell Drilling Co, Inc</u>	Elevation <u>2502</u>	KB <u>2492</u> GL
Address <u>100 S. Main St. STE 505 Wichita, Ks 67202</u>		
Co. Rep / Geo. <u>Jerry Smith</u>	Rig <u>Pickrell #1</u>	
Location: Sec. <u>9</u> Twp. <u>17S</u> Rge. <u>25W</u> Co. <u>Ness</u> State <u>Ks</u>		

Interval Tested <u>4408 4473</u>	Zone Tested <u>Mississippian</u>
Anchor Length <u>65'</u>	Drill Pipe Run <u>4294</u> Mud Wt. <u>9.4</u>
Top Packer Depth <u>4403</u>	Drill Collars Run <u>123</u> Vis <u>38</u>
Bottom Packer Depth <u>4408</u>	Wt. Pipe Run <u>0</u> WL <u>10.0</u>
Total Depth <u>4473</u>	Chlorides <u>3800</u> ppm System LCM <u>0</u>

Blow Description IF: 3" blow.
JSI: No return
FF: 1" blow
FSS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>MUD</u>				<u>100%</u>
	<u>6 inches oil on top</u>				

Rec Total <u>100</u>	BHT <u>121</u>	Gravity <u>—</u>	API RW <u>—</u>	@ <u>—</u>	° F Chlorides <u>—</u> ppm
(A) Initial Hydrostatic <u>2174</u>	<input checked="" type="checkbox"/> Test <u>1200'</u>	T-On Location <u>20:00 4/18</u>			
(B) First Initial Flow <u>25</u>	<input type="checkbox"/> Jars	T-Started <u>21:12 4/17</u>			
(C) First Final Flow <u>50</u>	<input checked="" type="checkbox"/> Safety Joint <u>75"</u>	T-Open <u>00:22 4/18</u>			
(D) Initial Shut-In <u>929</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>03:22 "</u>			
(E) Second Initial Flow <u>54</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>05:50 4/18</u>			
(F) Second Final Flow <u>74</u>	<input checked="" type="checkbox"/> Mileage <u>111 R/T 172.05</u>	Comments _____			
(G) Final Shut-In <u>846</u>	<input type="checkbox"/> Sampler				
(H) Final Hydrostatic <u>2131</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer			
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer			
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies			
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total _____			
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total _____			
	<input type="checkbox"/> Accessibility	MP/DST Disc'l _____			
	Sub Total <u>1497.05</u>				

Approved By _____ Our Representative [Signature]

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 19 2012

Test Ticket

NO. 46688

BY: _____

Well Name & No. Gress E #2 Test No. 2 Date 4/18/12
 Company Pickrell Drilling Co, Inc Elevation 2502 KB 2492 GL
 Address 100 S. Main St STE 505 Wichita, Ks 67202
 Co. Rep / Geo. Jerry Smith Rig Pickrell #1
 Location: Sec. 9 Twp. 17S Rge. 25W Co. Ness State Ks

Interval Tested 4468-4483 Zone Tested Mississippian
 Anchor Length 15' Drill Pipe Run 4357 Mud Wt. 9.2
 Top Packer Depth 4463 Drill Collars Run 123 Vis 44
 Bottom Packer Depth 4468 Wt. Pipe Run 0 WL 8.0
 Total Depth 4483 Chlorides 3500 ppm System LCM 0
 Blow Description IF: 5" blow.
ISI: No return.
FF: 6" blow.
FST: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>DTL</u>	<u>100</u>			
<u>220</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	

Rec Total 222 BHT 126 Gravity — API RW 1290 @ 61 °F Chlorides 27000 ppm

(A) Initial Hydrostatic 2213 Test 1250 T-On Location 1300
 (B) First Initial Flow 25 Jars T-Started 1328
 (C) First Final Flow 77 Safety Joint 75" T-Open 1547
 (D) Initial Shut-In 1033 Circ Sub N/C T-Pulled 2057
 (E) Second Initial Flow 108 Hourly Standby T-Out 2242
 (F) Second Final Flow 121 Mileage 111 R/R 172.05 Comments _____
 (G) Final Shut-In 998 Sampler _____
 (H) Final Hydrostatic 2189 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

Sub Total 1497.05

MP/DST Disc't _____

Approved By _____

Our Representative Bud Johnson

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.