



KANSAS CORPORATION COMMISSION 1061238
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 # 5123
Name: Pickrell Drilling Company, Inc.
Address 1: 100 S MAIN STE 505
Address 2: _____
City: WICHITA State: KS Zip: 67202 + 3738
Contact Person: Larry J. Richardson
Phone: (316) 262-8427
CONTRACTOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Wellsite Geologist: Nick Gerstner
Purchaser: None

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 #: _____

<u>07/29/2011</u>	<u>08/09/2011</u>	<u>08/09/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25274-00-00

Spot Description: NE NW NE NE NENWNE

NE NW NE NE Sec. 14 Twp. 17 S. R. 26 East West

110 Feet from North / South Line of Section

877 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Ness

Lease Name: Norton 'Z' Unit Well #: 1

Field Name: _____

Producing Formation: none

Elevation: Ground: 2561 Kelly Bushing: 2569

Total Depth: 4539 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 223 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: 3500 ppm Fluid volume: 400 bbls

Dewatering method used: Evaporated

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: Deanna Gerritsor Date: 08/18/2011



1061238

Operator Name: Pickrell Drilling Company, Inc. Lease Name: Norton 'Z' Unit Well #: 1
 Sec. 14 Twp. 17 S. R. 26 East West County: Ness

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

CASING RECORD <input type="checkbox"/> New <input checked="" 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 Casing	12.250	8.625	23.00	223	60-40 poz	160	2% gel, 3% CC

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: <u>N/A</u> Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------

Form	ACO1 - Well Completion
Operator	Pickrell Drilling Company, Inc.
Well Name	Norton 'Z' Unit 1
Doc ID	1061238

Tops

Name	Top	Datum
T/Anhydrite	1912	+657
B/Anhydrite	1946	+623
Heebner	3846	-1277
Lansing	3887	-1318
Stark	4138	1569
Pawnee	4326	-1757
Fort Scott	4401	-1832
Cherokee Shale	4427	-1858
Mississippi Lime	4504	-1935
Mississippi Dolo	4508	-1939

ALLIED CEMENTING CO., LLC. 037337

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

SERVICE POINT:
Corcoran Bend 248

DATE <u>8-9-11</u>	SEC <u>14</u>	TWP. <u>17</u>	RANGE <u>7G</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30 am</u>	JOB FINISH <u>12:30 pm</u>
LEASE <u>North 1/2"</u>		WELL# <u>1</u>		LOCATION <u>Utman 203 Eastside 4 South</u>		COUNTY <u>McPh</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>				<u>Wento</u>			

CONTRACTOR Pickrell Drilling Brg #10 OWNER Pickrell Drilling

TYPE OF JOB Rotary plug
 HOLE SIZE 7 7/8 I.D. 4639
 CASING SIZE 8 3/8 DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH 4639
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. all
 PERFS.
 DISPLACEMENT fresh water / Regumid

CEMENT AMOUNT ORDERED 2805.60 / 40 49 gel 1/4"

EQUIPMENT	
PUMP TRUCK CEMENTER <u>Bobby Rollins</u>	
# <u>366</u> HELPER <u>Tom H.</u>	
BULK TRUCK	
# <u>487-148</u> DRIVER <u>Kevin W.</u>	
BULK TRUCK	
# DRIVER	

COMMON <u>168</u>	@ <u>16.25</u>	
POZMIX <u>112</u>	@ <u>8.50</u>	<u>952.00</u>
GEL <u>10</u>	@ <u>21.25</u>	<u>212.50</u>
CHLORIDE	@	
ASC	@	
<u>Fluorid 70#</u>	@ <u>2.70</u>	<u>189.00</u>
	@	
	@	
	@	
	@	
	@	
HANDLING <u>292</u>	@ <u>2.25</u>	<u>657.00</u>
MILEAGE <u>272</u> 292 <u>4.50</u> x 11		<u>1666.50</u>
TOTAL		<u>6,346.50</u>

REMARKS:
1st plug at 1950ft mix 5050 cement
2nd plug at 1150ft mix 8050 cement
3rd plug at 600ft mix 5050 cement
4th plug at 250ft mix 5050 cement
5th plug at 60ft mix 2050 cement
RH mix 3050 cement

SERVICE

DEPTH OF JOB <u>1950</u>	
PUMP TRUCK CHARGE	<u>1250.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>100</u> HVM <u>100</u>	@ <u>7.00</u> <u>700.00</u>
MANIFOLD	@
<u>HVM 100</u>	@ <u>4.00</u> <u>400.00</u>
	@

TOTAL 2350.00

CHARGE TO: Pickrell Drilling
 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 8696.50
 DISCOUNT 30% 3.092 30 IF PAID IN 30 DAYS

PRINTED NAME Mike & Kevin
 SIGNATURE Mike Kew

5,604.20

ALLIED CEMENTING CO., LLC. 037334

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

SERVICE POINT:

Great Bend, KS

DATE <i>7-29-11</i>	SEC. <i>14</i>	TWP. <i>17</i>	RANGE <i>26</i>	CALLED OUT	ON LOCATION	JOB START <i>1030pm</i>	JOB FINISH <i>1100pm</i>
LEASE <i>Norton 112"</i>	WELL # <i>1</i>	LOCATION <i>Utica, KS East side</i>				COUNTY <i>Ness</i>	STATE <i>KS</i>
OLD OR NEW (Circle one)			<i>4 South & into</i>				

CONTRACTOR *Predcell Drilling 218 #10*
 TYPE OF JOB *surface*
 HOLE SIZE *12 1/4* T.D. *228*
 CASING SIZE *8 5/8 23'* DEPTH *228*
 TUBING SIZE DEPTH
 DRILL PIPE *4 1/2* DEPTH *228*
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. *16 cu*
 PERFS.
 DISPLACEMENT *Freshwater*

OWNER *Predcell Drilling*
 CEMENT
 AMOUNT ORDERED *160 cu Class A 3% cc*
2% gel

EQUIPMENT
 PUMP TRUCK CEMENTER *Bob G.*
 # *306* HELPER *Bob G.*
 BULK TRUCK
 # *344-170* DRIVER *Steve W. Larry S.*
 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>169</i>	@	<i>2.00</i>	<i>338.00</i>
MILEAGE	<i>169 x 97 x .11</i>			<i>1803.23</i>
TOTAL				<i>5196.43</i>

REMARKS:

*Pipe on bottom break circulation with
 mud. Mts 160 cu Com 3% cc 2% gel with
 24.8 bbl water.
 Displace with 13.56 bbl Freshwater
 cement did Correlate - 6 hnt m.*

SERVICE

DEPTH OF JOB	<i>228</i>			
PUMP TRUCK CHARGE			<i>1125.00</i>	
EXTRA FOOTAGE		@		
MILEAGE	<i>97 194</i>	@	<i>7.00</i>	<i>1358.00</i>
MANIFOLD		@		
<i>Light Truck 194</i>		@	<i>4.00</i>	<i>776.00</i>
TOTAL				<i>3259.00</i>

CHARGE TO: *Predcell Drilling*
 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 *8455.43*

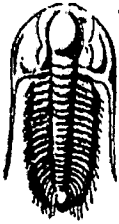
PRINTED NAME *Mike Kern* DISCOUNT _____ IF PAID IN 30 DAYS
 SIGNATURE *Mike Kern* *32 Ness City*

NR

Perkins Dining Company, Inc.
2025 ORDER FORM
ORDER NO. _____
DATE _____
CITY _____ STATE _____ ZIP _____
COUNTRY _____
TELEPHONE _____ FAX _____
E-MAIL _____
NAME _____ TITLE _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
COUNTRY _____
TELEPHONE _____ FAX _____
E-MAIL _____

ITEM NO.	DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

PERKINS DINING COMPANY, INC. 1000 ...



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pickrell Drig. Co. inc.

#1 Norton "Z"

100 S. Main
STE 505
Wichita Ks. 67202+3738
ATTN: Nick Gershner

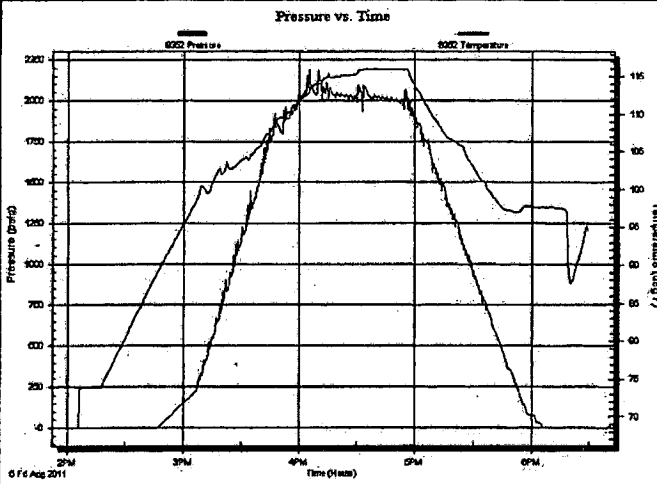
14-17s-26w Ness
Job Ticket: 43524 **DST#: 1**
Test Start: 2011.08.05 @ 14:05:05

GENERAL INFORMATION:

Formation: **Marm**
Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
Time Tool Opened: Tester: **Andy Carreira**
Time Test Ended: **18:29:50** Unit No: **39**
Interval: **4197.00 ft (KB) To 4340.00 ft (KB) (TVD)** Reference Elevations: **2569.00 ft (KB)**
Total Depth: **4340.00 ft (KB) (TVD)** **2562.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **7.00 ft**

Serial #: 8352 **Outside**
Press@RunDepth: psig @ **4206.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.08.05** End Date: **2011.08.05** Last Calib.: **2011.08.05**
Start Time: **14:05:05** End Time: **18:29:50** Time On Btm: **Time Off Btm:**

TEST COMMENT: Misrun: Packer Failure



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
125.00	Mud	1.75

Gas Rates

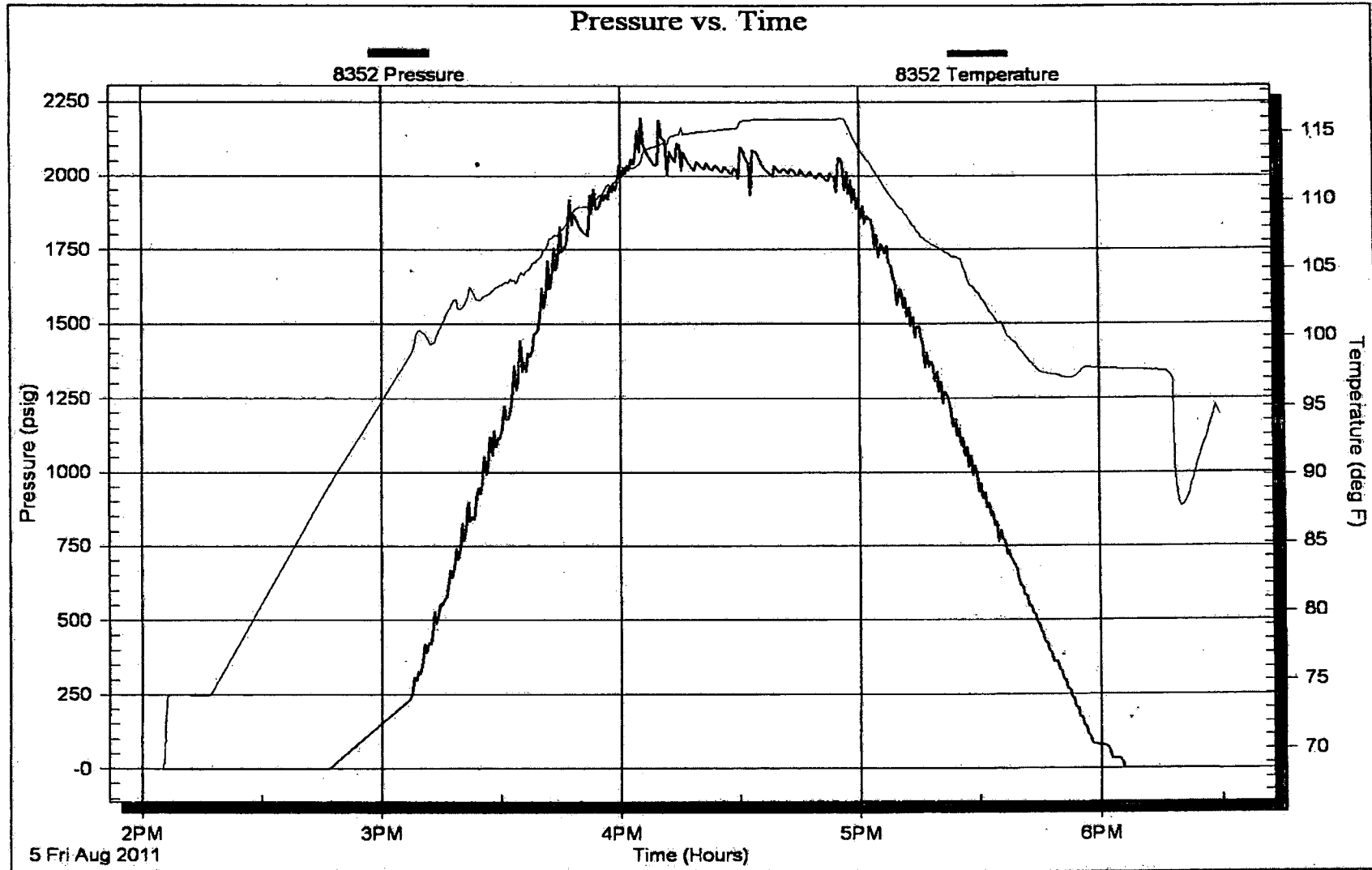
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

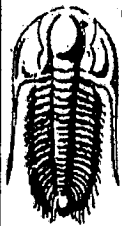
Serial #: 8352

Outside Fickrell Drig. Co. inc.

14-17s-26w Ness

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drig. Co. inc.
 100 S. Main
 STE 505
 Wichita Ks. 67202+3738
 ATTN: Nick Gershner

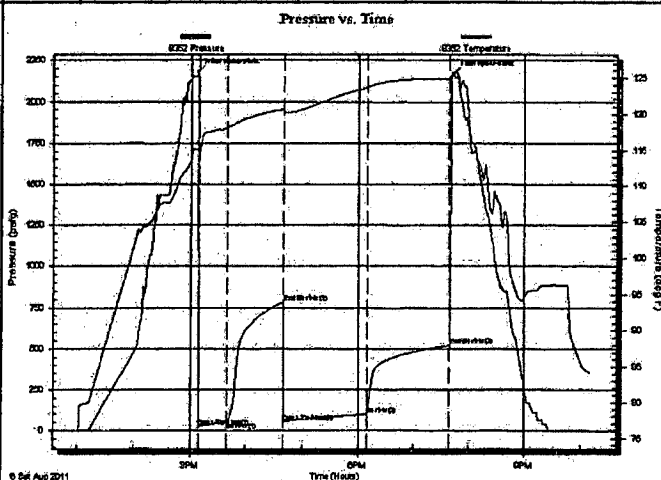
#1 Norton "Z"
14-17s-26w Ness
 Job Ticket: 43525 DST#: 2
 Test Start: 2011.08.06 @ 13:01:05

GENERAL INFORMATION:

Formation: **Ft. Scott**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 15:09:00
 Time Test Ended: 22:11:20
 Interval: **4384.00 ft (KB) To 4435.00 ft (KB) (TVD)**
 Total Depth: **4435.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: **Conventional Bottom Hole**
 Tester: **Andy Carreira**
 Unit No: **39**
 Reference Elevations: **2569.00 ft (KB)**
2562.00 ft (CF)
 KB to GR/CF: **7.00 ft**

Serial #: 8352 Outside
 Press@RunDepth: **99.51 psig @ 4393.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.08.06** End Date: **2011.08.06** Last Calib.: **2011.08.06**
 Start Time: **13:01:05** End Time: **22:11:20** Time On Btm: **2011.08.06 @ 15:07:30**
 Time Off Btm: **2011.08.06 @ 19:43:20**

TEST COMMENT: IF:(30min) BOB, 6 min
 IS:(60min) No Return
 FF:(90min) BOB, 4 min
 FS:(90min) no Return



PRESSURE SUMMARY

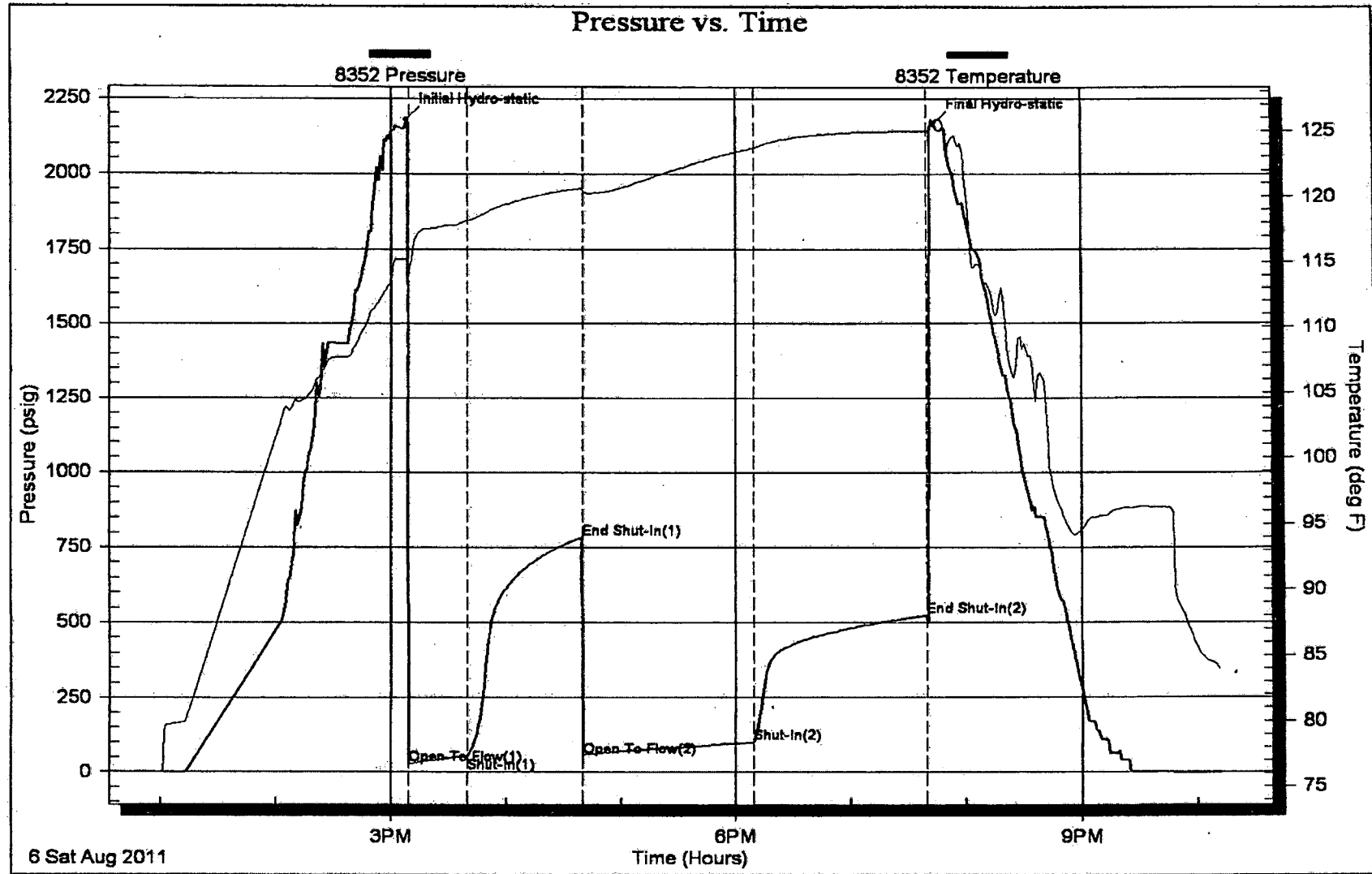
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2179.06	115.18	Initial Hydro-static
2	26.02	114.03	Open To Flow (1)
33	51.90	118.17	Shut-In (1)
92	781.41	120.64	End Shut-In (1)
93	54.31	120.34	Open To Flow (2)
182	99.51	123.68	Shut-In (2)
273	521.02	124.93	End Shut-In (2)
276	2164.93	125.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
85.00	GMV g=10% m=15% w=75%	1.19
100.00	GOCVM g=15% o=10% w=25% m=50%	1.40
15.00	GOCM g=30% o=10% m=60%	0.21
0.00	GIP= 1285ft	0.00

Gas Rates

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





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Fickrell Drtg. Co. inc.
 100 S. Main
 STE. 505
 Wichita Ks. 67202+3738
 ATTN: Nick Gerstner

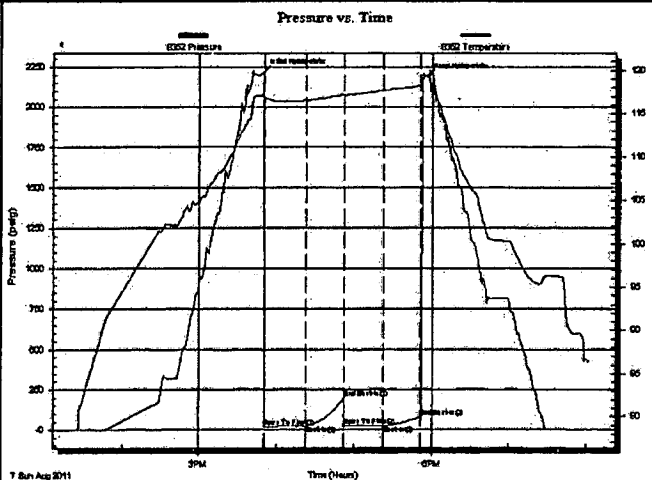
#1 Norton "Z"
14-17s-26w Ness
 Job Ticket: 44227 **DST#: 3**
 Test Start: 2011.08.07 @ 13:26:05

GENERAL INFORMATION:

Formation: Miss
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 15:50:10
 Tester: Andy Carreira
 Time Test Ended: 20:03:09
 Unit No: 39
 Interval: 4470.00 ft (KB) To 4528.00 ft (KB) (TVD)
 Reference Elevations: 2569.00 ft (KB)
 Total Depth: 4528.00 ft (KB) (TVD)
 2562.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 8352 Outside
 Press@RunDepth: 23.18 psig @ 4477.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.08.07 End Date: 2011.08.07 Last Calib.: 2011.08.07
 Start Time: 13:26:05 End Time: 20:03:09 Time On Btm: 2011.08.07 @ 15:50:00
 Time Off Btm: 2011.08.07 @ 17:56:29

TEST COMMENT: F:(30min) Blow died in 10 min.
 IS:(30min) No Return
 FF:(30min) No blow
 FS:(30min) No Return



PRESSURE SUMMARY

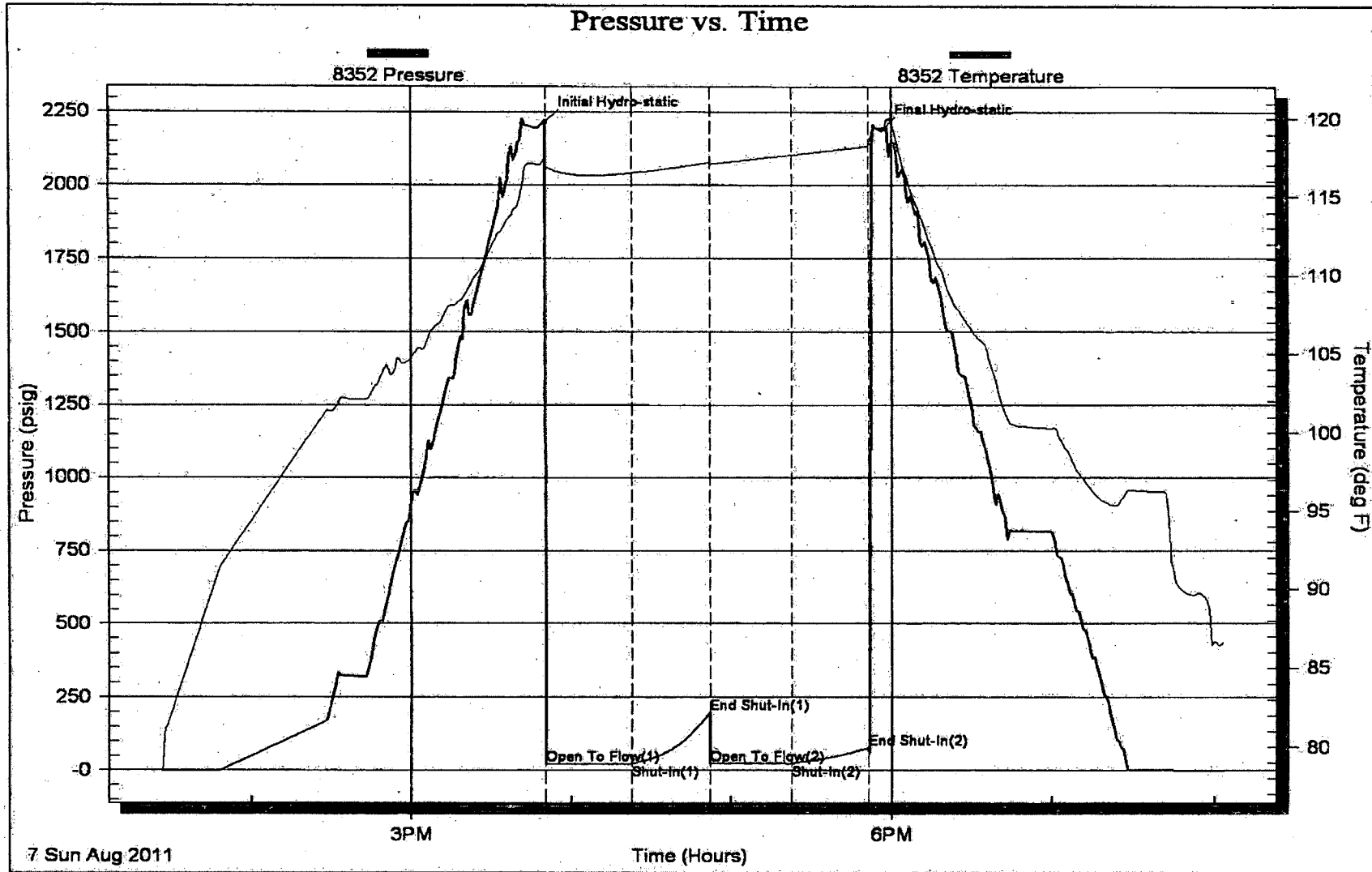
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2214.97	117.42	Initial Hydro-static
1	20.59	116.43	Open To Flow (1)
33	22.90	116.52	Shut-in(1)
63	196.97	117.18	End Shut-in(1)
63	22.31	117.04	Open To Flow (2)
93	23.18	117.65	Shut-in(2)
122	76.20	118.24	End Shut-in(2)
127	2189.55	119.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w/ slight oil spks in tool	0.28

Gas Rates

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





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pickrell Drig. Co. inc.
 100 S. Main
 STE 505
 Wichita Ks. 67202+3738
 ATTN: Nick Gerstner

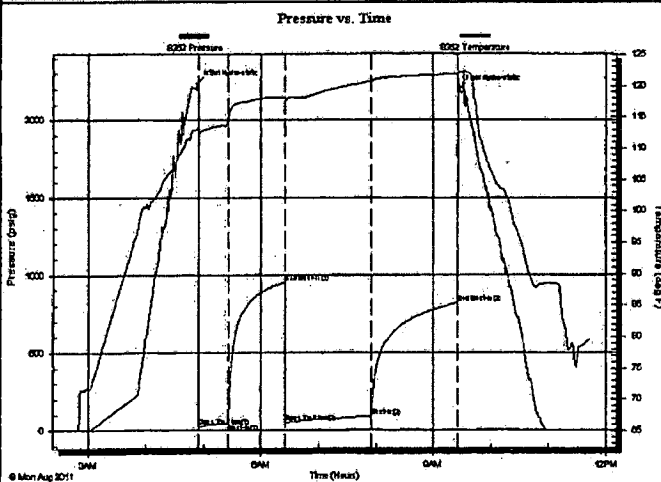
#1 Norton "Z"
14-17s-26w Ness
 Job Ticket: 44228 DST#: 4
 Test Start: 2011.08.08 @ 02:50:05

GENERAL INFORMATION:

Formation: Miss
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:54:20
 Time Test Ended: 11:44:40
 Interval: 4470.00 ft (KB) To 4539.00 ft (KB) (TVD)
 Total Depth: 4539.00 ft (KB) (TVD)
 Hole Diameter: 7.88 Inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2569.00 ft (KB)
 2562.00 ft (CF)
 KB to GR/CF: 7.00 ft.

Serial #: 8352 Outside
 Press@RunDepth: 86.40 psig @ 4477.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.08.08 End Date: 2011.08.08 Last Calif.: 2011.08.08
 Start Time: 02:50:05 End Time: 11:44:40 Time On Btm: 2011.08.08 @ 04:52:50
 Time Off Btm: 2011.08.08 @ 09:26:59

TEST COMMENT: IF:(30min) 4 inch blow
 IS:(60min) No Return
 FF:(90min) 4 inch blow 45min, 5 inch 70 min.
 FS:(90min) No Return



PRESSURE SUMMARY

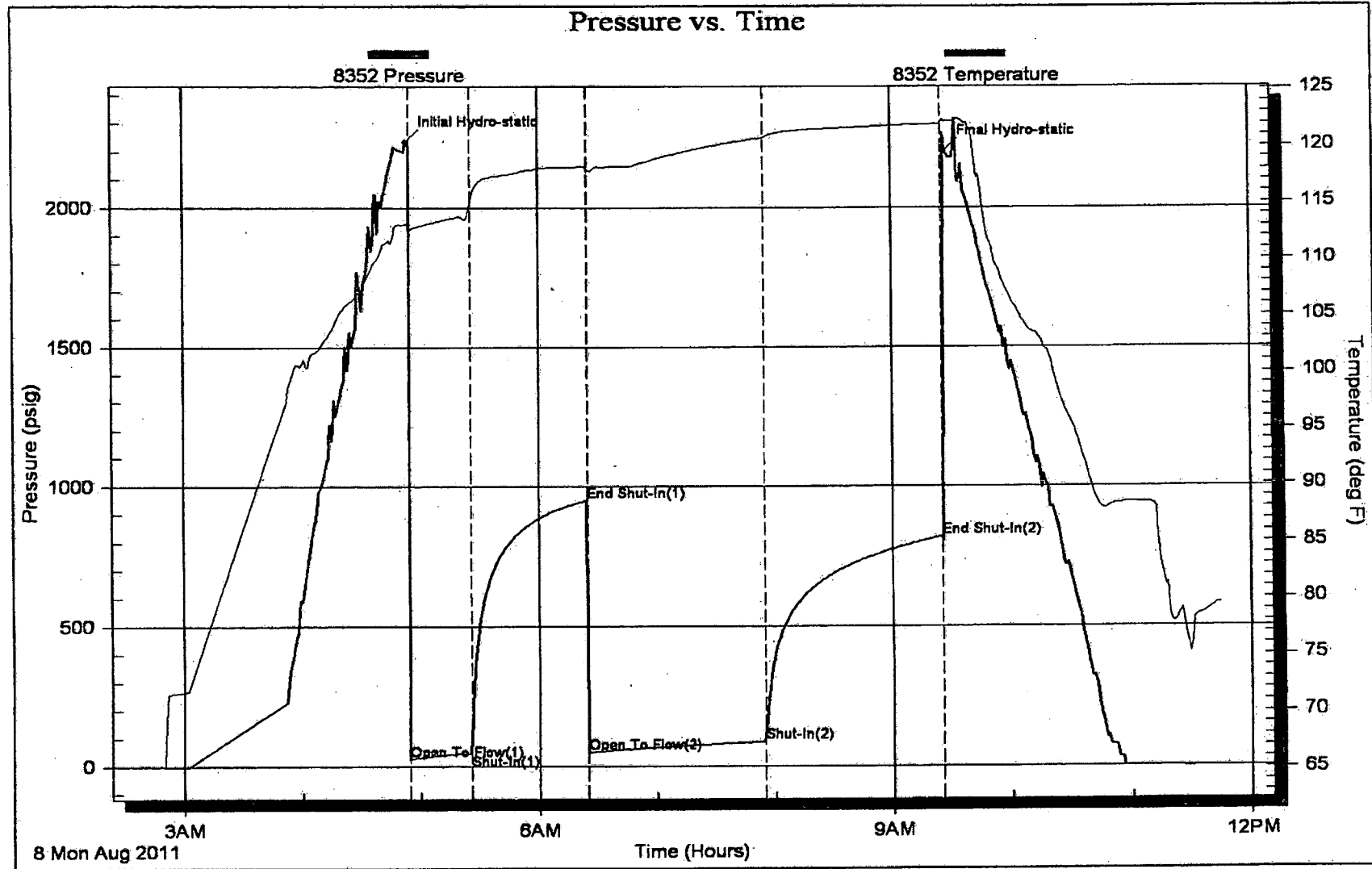
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2234.60	113.09	Initial Hydro-static
2	23.99	112.09	Open To Flow (1)
33	45.68	114.77	Shut-in(1)
92	949.52	118.21	End Shut-in(1)
93	50.34	117.69	Open To Flow (2)
182	86.40	120.74	Shut-in(2)
273	819.53	121.90	End Shut-in(2)
275	2201.90	122.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	SGM w/ oil specks	1.96

Gas Rates

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





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Fickrell Drlg. Co. inc.
100 S. Main
STE 505
Wichita Ks. 67202+3738
ATTN: Nick Gerstner

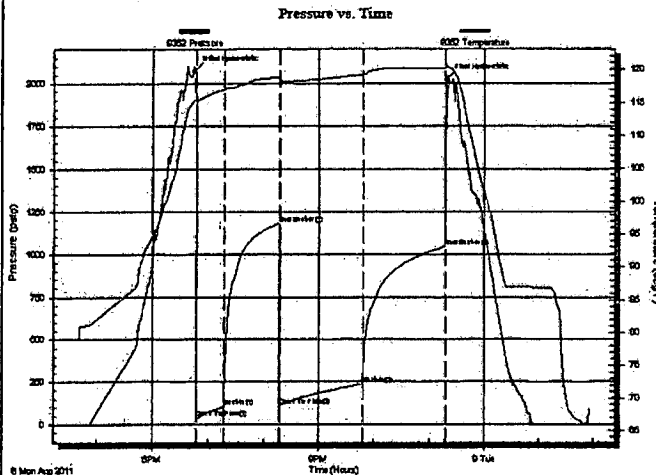
#1 Norton "Z"
14-17s-26w Ness
Job Ticket: 44229 **DST#: 5**
Test Start: 2011.08.08 @ 16:40:05

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 18:47:40
Time Test Ended: 01:55:10
Interval: **4170.00 ft (KB) To 4340.00 ft (KB) (TVD)**
Total Depth: **4340.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Straddle**
Tester: **Andy Carneira**
Unit No: **39**
Reference Elevations: **2569.00 ft (KB)**
2562.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 8352 **Outside**
Press@RunDepth: **237.69 psig @ 4174.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.08.08** End Date: **2011.08.09** Last Calib.: **2011.08.09**
Start Time: **16:40:05** End Time: **01:55:10** Time On Btrm: **2011.08.08 @ 18:46:20**
Time Off Btrm: **2011.08.08 @ 23:21:20**

TEST COMMENT: F:(30min) BOB, 19 min.
IS:(60min) No Return
FF:(90min) BOB, 52 min.
FS:(90min) No Return



PRESSURE SUMMARY

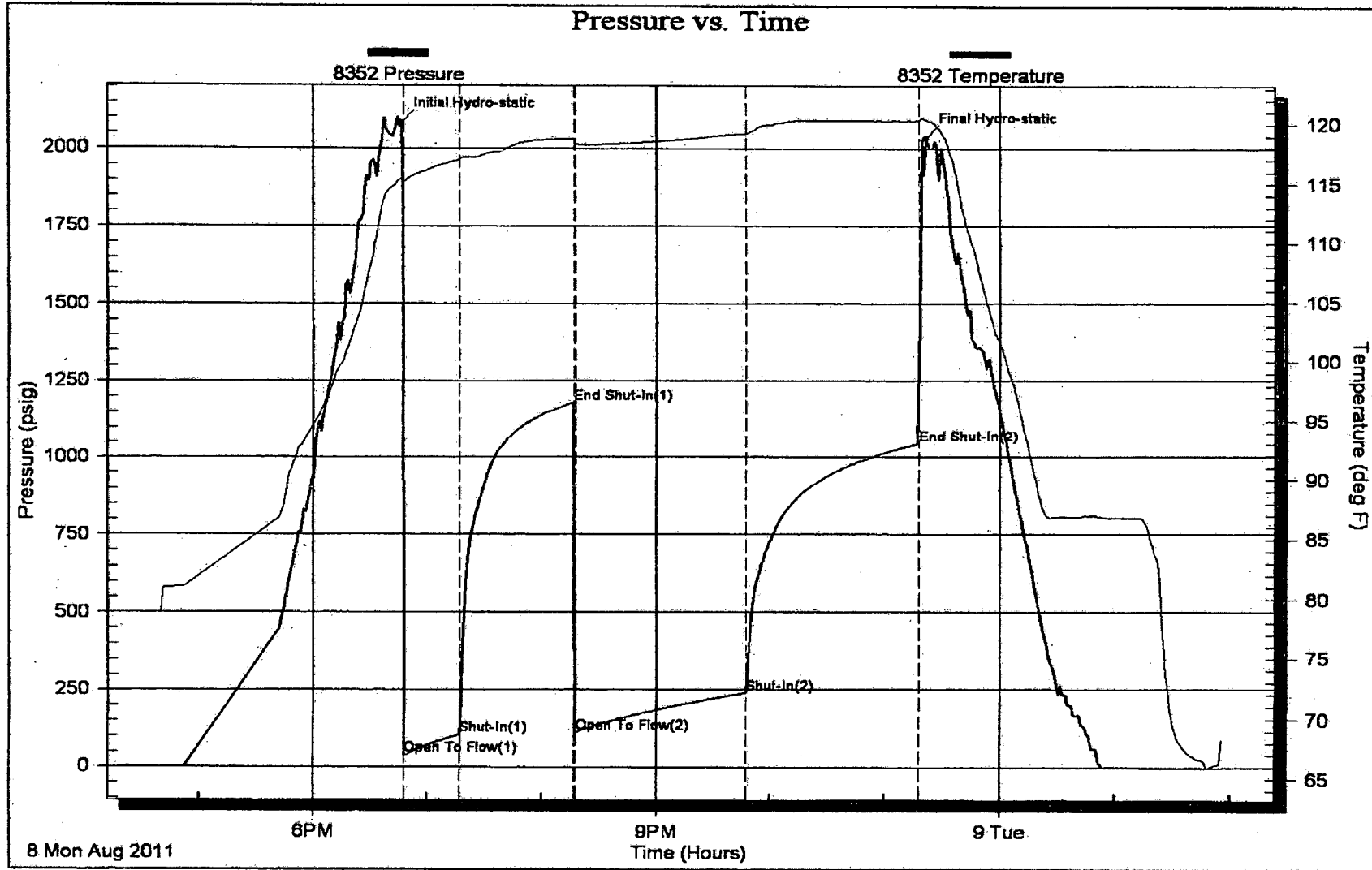
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2081.58	115.44	Initial Hydro-static
2	37.94	115.13	Open To Flow (1)
31	104.79	117.00	Shut-in(1)
91	1179.74	118.78	End Shut-in(1)
91	111.61	118.41	Open To Flow (2)
181	237.69	119.21	Shut-in(2)
272	1043.06	120.24	End Shut-in(2)
275	2034.59	120.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
450.00	MW	6.31

Gas Rates

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



Serial #: 8647

Below (Strat) Drig. Co. Inc.

14-17s-26w Ness

DST Test Number: 5

