



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
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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: _____



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)* _____

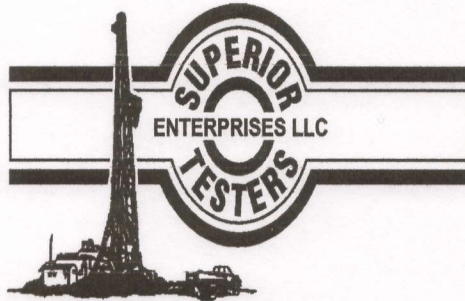
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Carrie Exploration & Development, a General Partnership
Well Name	John Roth C3
Doc ID	1103336

Tops

Name	Top	Datum
TOPEKA	2651	-869
HEEBNER SHALE	2914	-1132
TORONTO	2931	-1149
DOUGLAS SHALE	2946	-1164
BROWN LIME	3036	-1254
LKC	3055	-1273
BKC	3305	-1523
ARBUCKLE	3329	-1547



DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration**

210 West 22nd Hays Kansas
67601

ATTN: Herb

John Roth C3

34-19s-11w-Barton

Start Date: 2012.11.27 @ 01:05:00

End Date: 2012.11.27 @ 08:41:30

Job Ticket #: 17873 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.11.27 @ 07:05:04

Carrie Exploration

34-19s-11w-Barton

John Roth C3

DST # 1

Lansing A-C

2012.11.27



DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

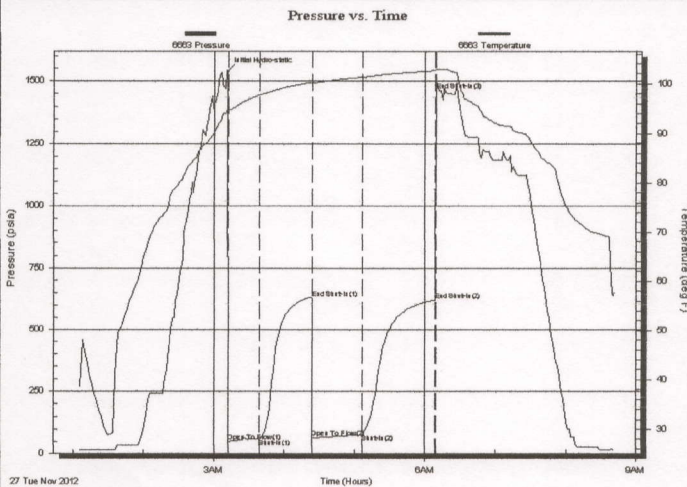
34-19s-11w-Barton
John Roth C3
 Job Ticket: 17873 **DST#: 1**
 Test Start: 2012.11.27 @ 01:05:00

GENERAL INFORMATION:

Formation: **Lansing A-C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:12:00
 Time Test Ended: 08:41:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Interval: **3047.00 ft (KB) To 3090.00 ft (KB) (TVD)**
 Total Depth: 3090.00 ft (KB) (TVD)
 Reference Elevations: 1785.00 ft (KB)
 1777.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6663 Outside
 Press@RunDepth: 77.87 psia @ 3086.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.11.27 End Date: 2012.11.27 Last Calib.: 2012.11.27
 Start Time: 01:05:00 End Time: 08:41:30 Time On Btm: 2012.11.27 @ 03:11:30
 Time Off Btm:

TEST COMMENT: 1st Open 30 minutes Fair building blow blew 4.5 inches .
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Weak blow blew 1/2 inch. into bucket of water.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

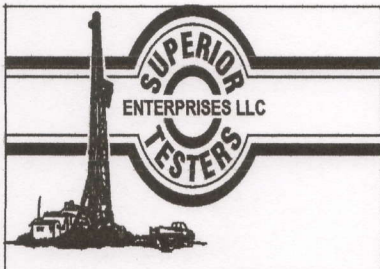
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1538.94	95.03	Initial Hydro-static
1	48.78	94.70	Open To Flow (1)
28	59.16	97.70	Shut-In(1)
72	626.73	100.24	End Shut-In(1)
73	63.19	100.12	Open To Flow (2)
115	77.87	101.33	Shut-In(2)
178	619.54	102.61	End Shut-In(2)
178	1464.11	102.79	End Shut-In(3)

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Muddy water Mud 20% Water 80%	0.91
0.00	Chlorides 36,000@56degree	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

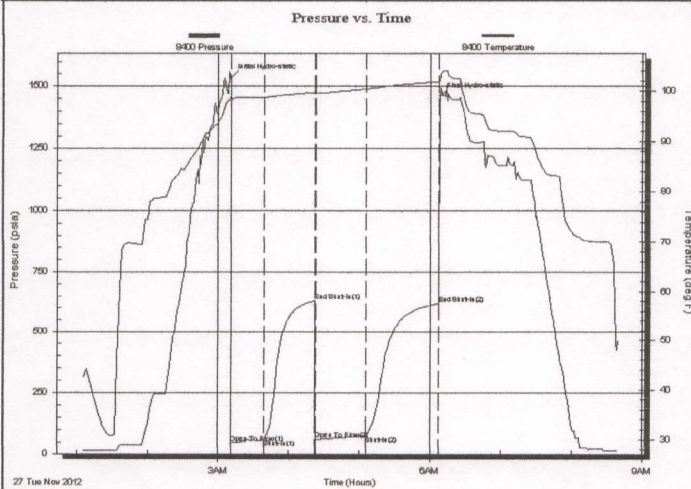
34-19s-11w-Barton
John Roth C3
 Job Ticket: 17873 **DST#: 1**
 Test Start: 2012.11.27 @ 01:05:00

GENERAL INFORMATION:

Formation: **Lansing A-C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:12:00
 Time Test Ended: 08:41:30
 Interval: **3047.00 ft (KB) To 3090.00 ft (KB) (TVD)**
 Total Depth: 3090.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Reference Elevations: 1785.00 ft (KB)
 1777.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8400 Inside
 Press@RunDepth: 617.98 psia @ 3087.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.11.27 End Date: 2012.11.27 Last Calib.: 2012.11.27
 Start Time: 01:05:00 End Time: 08:40:00 Time On Btm: 2012.11.27 @ 03:10:30
 Time Off Btm: 2012.11.27 @ 06:08:00

TEST COMMENT: 1st Open 30 minutes Fair building blow blew 4.5 inches .
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Weak blow blew 1/2 inch. into bucket of water.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

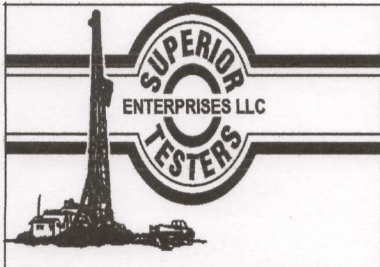
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1536.37	98.90	Initial Hydro-static
1	45.56	98.55	Open To Flow (1)
29	62.23	98.78	Shut-In (1)
72	629.76	99.80	End Shut-In (1)
73	60.47	99.61	Open To Flow (2)
115	76.83	100.47	Shut-In (2)
177	617.98	101.89	End Shut-In (2)
178	1460.42	102.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Muddy water Mud 20% Water 80%	0.91
0.00	Chlorides 36,000@56degree	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Carrie Exploration
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

34-19s-11w-Barton
John Roth C3
 Job Ticket: 17873 **DST#: 1**
 Test Start: 2012.11.27 @ 01:05:00

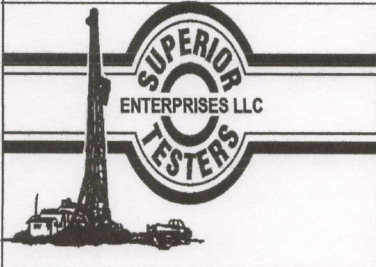
Tool Information

Drill Pipe:	Length: 3042.00 ft	Diameter: 3.80 inches	Volume: 42.67 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 42.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3047.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3032.00	
Hydraulic Tool	5.00			3037.00	
Packer	5.00			3042.00	20.00 Bottom Of Top Packer
Packer	5.00			3047.00	
Anchor	38.00			3085.00	
Recorder	1.00	6663	Outside	3086.00	
Recorder	1.00	8400	Inside	3087.00	
Bull Plug	3.00			3090.00	43.00 Bottom Packers & Anchor

Total Tool Length: 63.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Carrie Exploration

34-19s-11w-Barton

210 West 22nd Hays Kansas
67601

John Roth C3

Job Ticket: 17873

DST#: 1

ATTN: Herb

Test Start: 2012.11.27 @ 01:05:00

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: bbl		
Water Loss: 9.60 in ³	Gas Cushion Type:		
Resistivity: 0.40 ohm.m	Gas Cushion Pressure: psia		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Muddy water Mud 20% Water 80%	0.912
0.00	Chlorides 36,000@56degree	0.000

Total Length: 65.00 ft Total Volume: 0.912 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

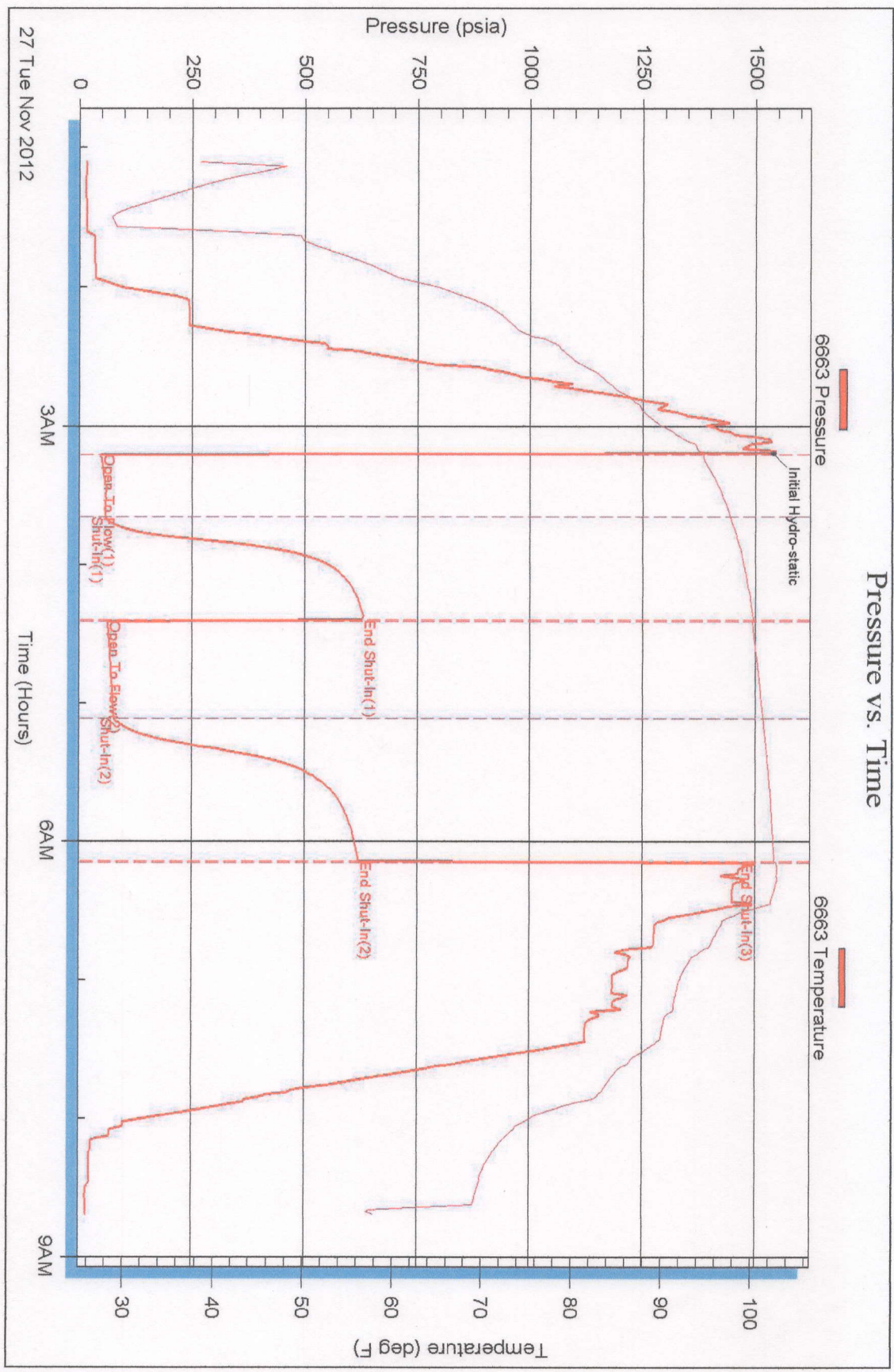
Serial #: 6663

Outside Carrie Exploration

John Roth C3

DST Test Number: 1

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17873

Printed: 2012.11.27 @ 07:05:05

Serial #: 8400

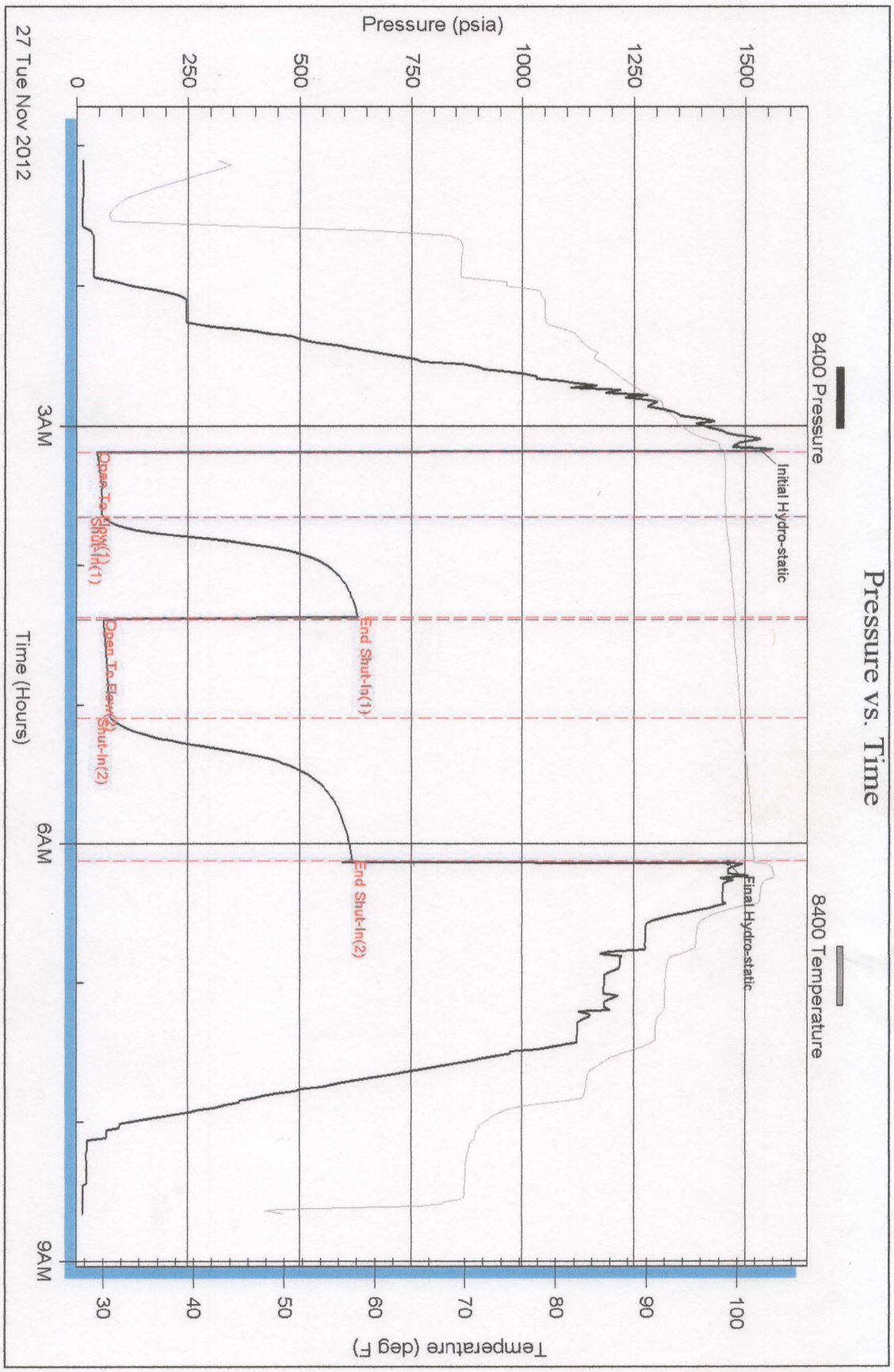
Inside

Carrie Exploration

John Roth C3

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration**

210 West 22nd Hays Kansas
67601

ATTN: Herb

John Roth C3

34-19s-11w-Barton

Start Date: 2012.11.27 @ 05:03:00

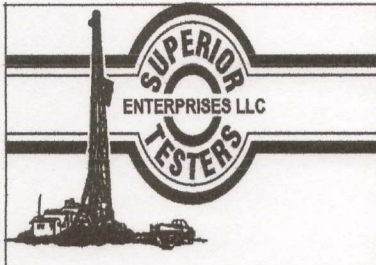
End Date: 2012.11.27 @ 11:54:00

Job Ticket #: 17874 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.11.27 @ 22:10:11

Carrie Exploration 34-19s-11w-Barton John Roth C3 DST # 2 Lansing D-F 2012.11.27



DRILL STEM TEST REPORT

Carrie Exploration

34-19s-11w-Barton

210 West 22nd Hays Kansas
67601

John Roth C3

Job Ticket: 17874

DST#: 2

ATTN: Herb

Test Start: 2012.11.27 @ 05:03:00

GENERAL INFORMATION:

Formation: **Lansing D-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:16:00

Time Test Ended: 11:54:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend-25

Interval: **3088.00 ft (KB) To 3135.00 ft (KB) (TVD)**

Reference Elevations: 1785.00 ft (KB)

Total Depth: 3135.00 ft (KB) (TVD)

1777.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **6663** Outside

Press@RunDepth: 52.14 psia @ 3131.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.11.27 End Date: 2012.11.27

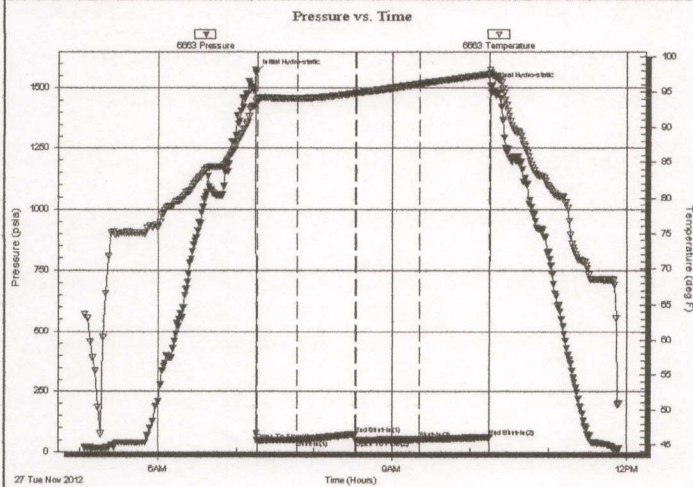
Last Calib.: 2012.11.27

Start Time: 05:03:00 End Time: 11:54:00

Time On Btm: 2012.11.27 @ 07:15:00

Time Off Btm: 2012.11.27 @ 10:15:00

TEST COMMENT: 1st Open 30 minutes Fair blow blew 1 inch. into the bucket.
1st Shut in 45 minutes No blow back
2nd Open 45 minutes Weak surface blow died off.
2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

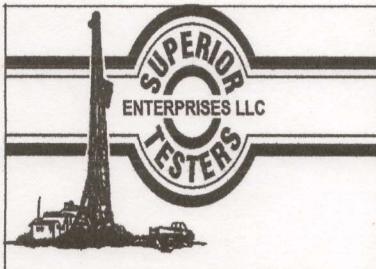
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1561.82	93.74	Initial Hydro-static
1	47.81	94.01	Open To Flow (1)
32	49.49	94.11	Shut-In(1)
77	74.48	94.85	End Shut-In(1)
78	49.46	94.87	Open To Flow (2)
126	52.14	96.14	Shut-In(2)
180	62.16	97.53	End Shut-In(2)
180	1507.38	98.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
18.00	Mud 100%	0.25

Gas Rates

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



DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

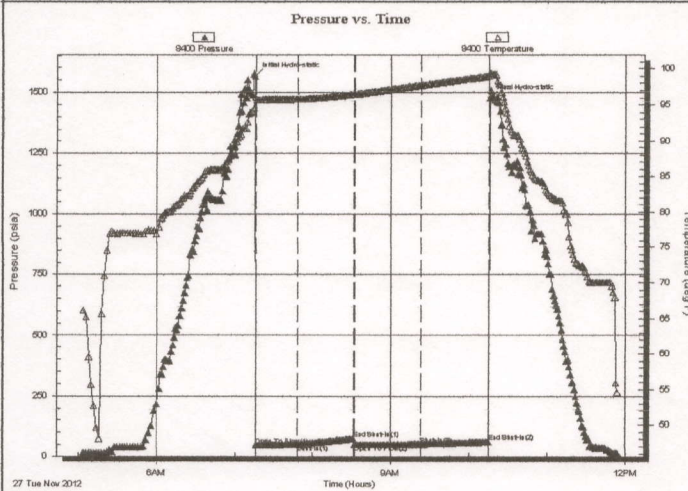
34-19s-11w-Barton
John Roth C3
 Job Ticket: 17874 **DST#: 2**
 Test Start: 2012.11.27 @ 05:03:00

GENERAL INFORMATION:

Formation: **Lansing D-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:16:00
 Time Test Ended: 11:54:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Interval: **3088.00 ft (KB) To 3135.00 ft (KB) (TVD)**
 Total Depth: 3135.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 1785.00 ft (KB)
 1777.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8400 Inside
 Press@RunDepth: 61.73 psia @ 3132.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.11.27 End Date: 2012.11.27 Last Calib.: 2012.11.27
 Start Time: 05:03:00 End Time: 11:54:00 Time On Btm: 2012.11.27 @ 07:15:30
 Time Off Btm: 2012.11.27 @ 10:15:30

TEST COMMENT: 1st Open 30 minutes Fair blow blew 1 inch. into the bucket.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Weak surface blow died off.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

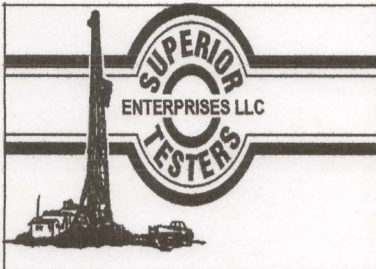
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1566.31	96.08	Initial Hydro-static
1	46.71	95.72	Open To Flow (1)
33	49.45	95.78	Shut-In(1)
76	74.43	96.47	End Shut-In(1)
77	48.78	96.49	Open To Flow (2)
127	51.75	97.72	Shut-In(2)
180	61.73	99.00	End Shut-In(2)
180	1477.58	99.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
18.00	Mud 100%	0.25

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Carrie Exploration

34-19s-11w-Barton

210 West 22nd Hays Kansas
67601

John Roth C3

Job Ticket: 17874

DST#: 2

ATTN: Herb

Test Start: 2012.11.27 @ 05:03:00

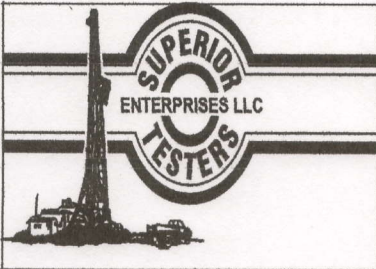
Tool Information

Drill Pipe:	Length: 3077.00 ft	Diameter: 3.80 inches	Volume: 43.16 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 43.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3088.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3073.00	
Hydrolic Tool	5.00			3078.00	
Packer	5.00			3083.00	20.00 Bottom Of Top Packer
Packer	5.00			3088.00	
Anchor	42.00			3130.00	
Recorder	1.00	6663	Outside	3131.00	
Recorder	1.00	8400	Inside	3132.00	
Bull Plug	3.00			3135.00	47.00 Bottom Packers & Anchor

Total Tool Length: 67.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Carrie Exploration

34-19s-11w-Barton

210 West 22nd Hays Kansas
67601

John Roth C3

Job Ticket: 17874

DST#: 2

ATTN: Herb

Test Start: 2012.11.27 @ 05:03:00

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: bbl		
Water Loss: 9.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
18.00	Mud 100%	0.252

Total Length: 18.00 ft Total Volume: 0.252 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

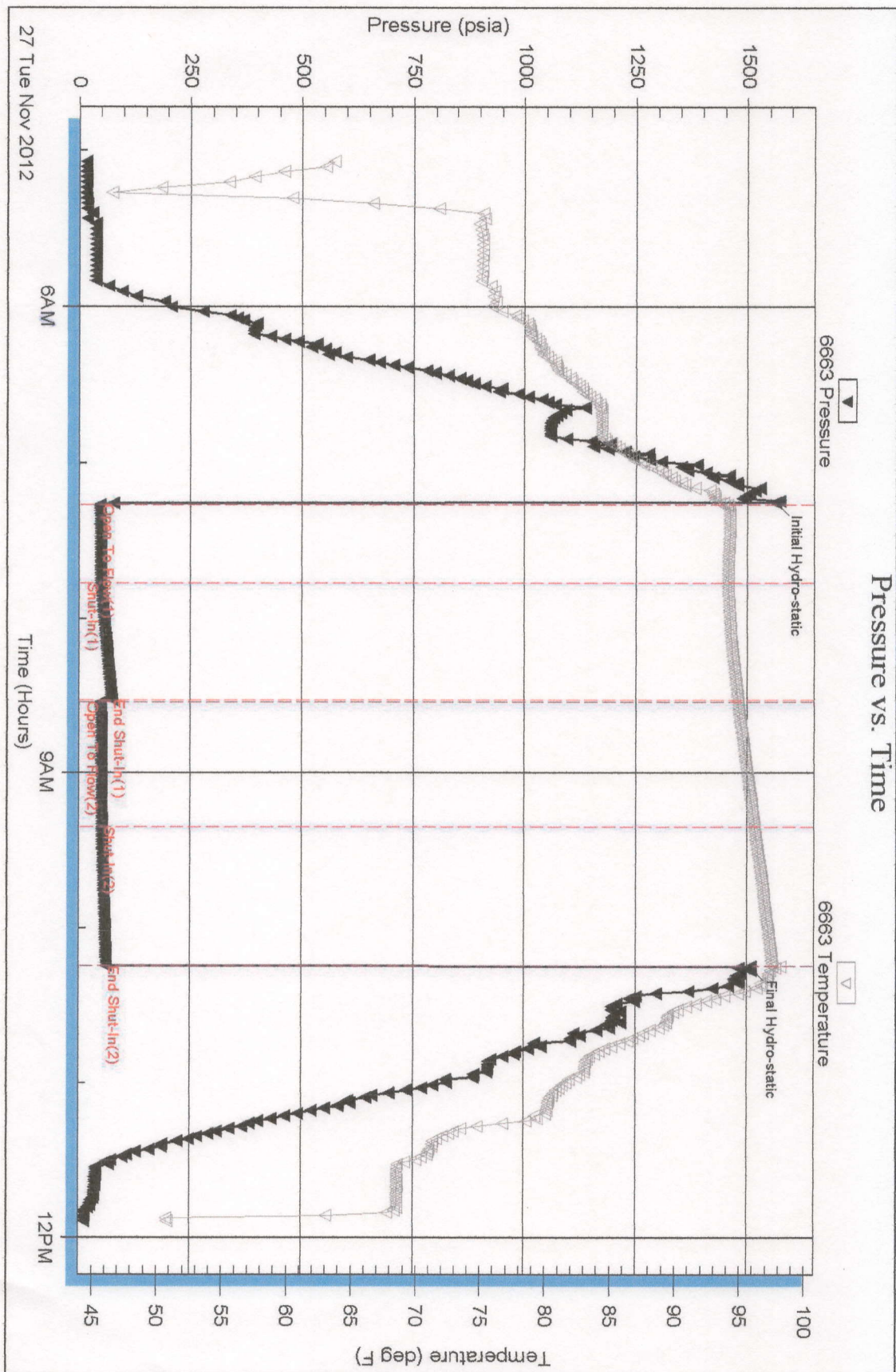
Serial #: 6663

Outside

Carrie Exploration

John Roth C3

DST Test Number: 2



Superior Testers Enterprises LLC

Ref. No: 17874

Printed: 2012.11.27 @ 22:10:12

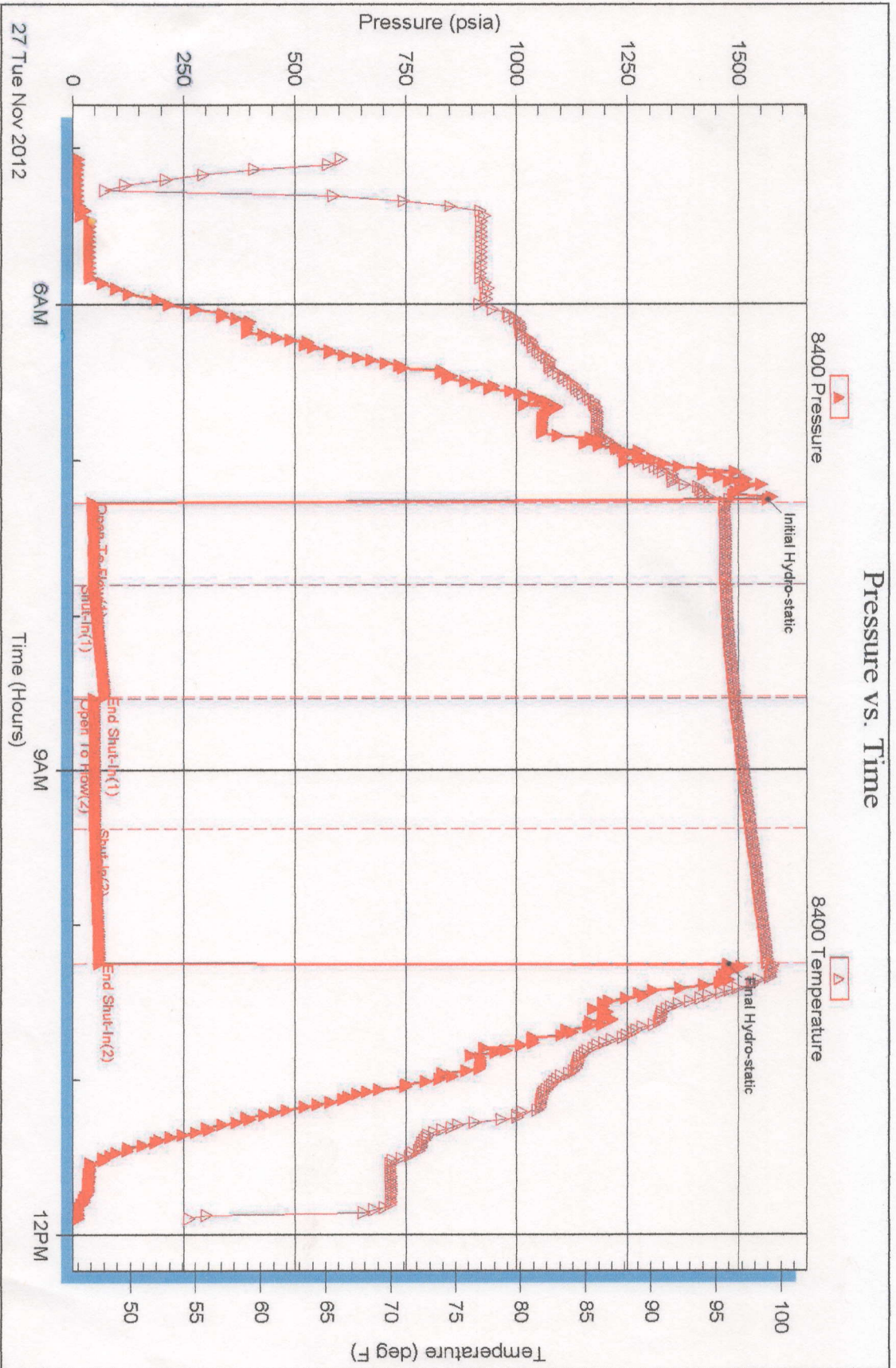
Serial #: 8400

Inside

Carrie Exploration

John Roth C3

DST Test Number: 2



27 Tue Nov 2012

6AM

9AM

12PM

Superior Testers Enterprises LLC

Ref. No: 17874

Printed: 2012.11.27 @ 22:10:13

Superior Testers Enterprises L.L.C.

P.O. Box 138, Great Bend, Kansas 67530

(800) 792-6902

Company Carrie Exploration + Development
 Address 210 West 2nd Hys Kansas 67601
 Lease & # John Roth #C-3 Sec. 34 Twp 19S Rng 11W
 Date 11-28-2012 County Barton Elevation 1777 G.L. 1785 K.B.
 Drilling Contractor Southwind Drilling Rig 6
 Drill Pipe Length 3287 I.D. of Drill Pipe 3.80 Tool Joint Size 4 1/2 x 4
 Drill Collar Length 0 I.D. of Drill Collars 2.25 Tool Joint Size 4 1/2 x 4
 Mud Weight 9.0 Viscosity 46 Filtrate 96 Chlorides-Pits 5000 DST _____
 Top Packer Depth 3295 Bottom Packer Depth 3300 Number of Packers 2
 Tested From 3300 to 3323 Total Depth 3323 Anchor Length 23
 Test # 3 Formation Tested Arbuckle Hole Size 7 7/8
 Initial Blow Weak blow blew 1/2 inch into the bucket.

Blow back on the 1st Shut-in No

Final Blow Weak blow blew 1/2 inch. died off

Blow back on the 2nd Shut-in No

Initial Hydrostatic 1668 P.S.I. Final Hydrostatic 1612 P.S.I. Maximum Temp. _____ F

Initial Opening <u>38</u> P.S.I. to <u>39</u> P.S.I.	from <u>4 : 14p</u> m to <u>4 : 44p</u> m	<u>30</u> minutes
Initial Shut-in <u>58</u> P.S.I.	from <u>4 : 44p</u> m to <u>5 : 29p</u> m	<u>45</u> minutes
Final Opening <u>37</u> P.S.I. to <u>37</u> P.S.I.	from <u>5 : 29p</u> m to <u>6 : 14p</u> m	<u>45</u> minutes
Final Shut-in <u>47</u> P.S.I.	from <u>6 : 14p</u> m to <u>7 : 14p</u> m	<u>60</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
5	mud cut oil		2	98	

Total Feet Recovered _____ Recovery Chlorides _____ Rw. _____ ohms @ _____ Degrees

Gravity of oil _____ Corrected Gas to Surface in _____ minutes into the _____

Max. Gas Gauged _____ MCF/day See Gas Flow Report Was a gas sample taken no

Comments Thanks

Extra Equipment-Jars none Safety Joint none Circulating Sub none Straddle none
 Electronic Recorder No. 6663 Depth 3319 Extra Packer (3rd) none Hook Wall none
 Bottom Recorder No. 6400 Depth 3320 Extra Packer (4th) none Sampler none
 Tool Operator Dustin Ellis Approved By NJA

Ticket No. 17875



DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration**

210 West 22nd Hays Kansas
67601

ATTN: Herb

John Roth C3

34-19s-11w-Barton

Start Date: 2012.11.29 @ 03:46:00

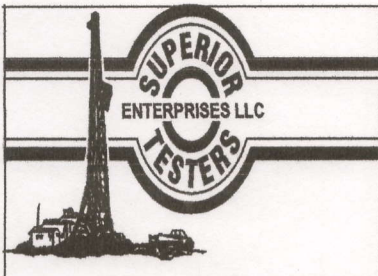
End Date: 2012.11.29 @ 09:37:00

Job Ticket #: 17701 DST #: 4

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.11.29 @ 09:58:15

Carrie Exploration 34-19s-11w-Barton John Roth C3 DST # 4 Arbuckle 2012.11.29



DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

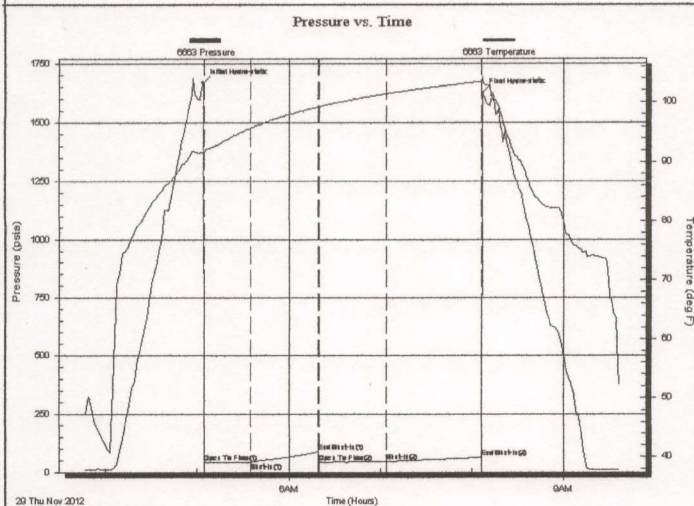
34-19s-11w-Barton
John Roth C3
 Job Ticket: 17701 DST#: 4
 Test Start: 2012.11.29 @ 03:46:00

GENERAL INFORMATION:

Formation: **Arbukle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:04:30
 Time Test Ended: 09:37:00
 Interval: **3300.00 ft (KB) To 3328.00 ft (KB) (TVD)**
 Total Depth: 3328.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Reference Elevations: 1785.00 ft (KB)
 1777.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6663 **Inside**
 Press@RunDepth: 44.13 psia @ 3324.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.11.29 End Date: 2012.11.29 Last Calib.: 2012.11.29
 Start Time: 03:46:00 End Time: 09:37:00 Time On Btm: 2012.11.29 @ 05:04:00
 Time Off Btm: 2012.11.29 @ 08:07:00

TEST COMMENT: 1st Open 30 minutes Weak blow blew 1/2 inch.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Weak blow blew 1/2 inch.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

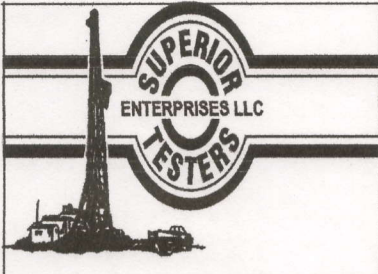
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1667.10	91.57	Initial Hydro-static
1	40.23	91.49	Open To Flow (1)
31	41.95	95.65	Shut-In(1)
76	87.03	99.26	End Shut-In(1)
76	42.41	99.28	Open To Flow (2)
121	44.13	101.40	Shut-In(2)
182	62.18	103.39	End Shut-In(2)
183	1624.02	103.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Slightly oil cut mud 4% Oil 96% Mud	0.21

Gas Rates

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



DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

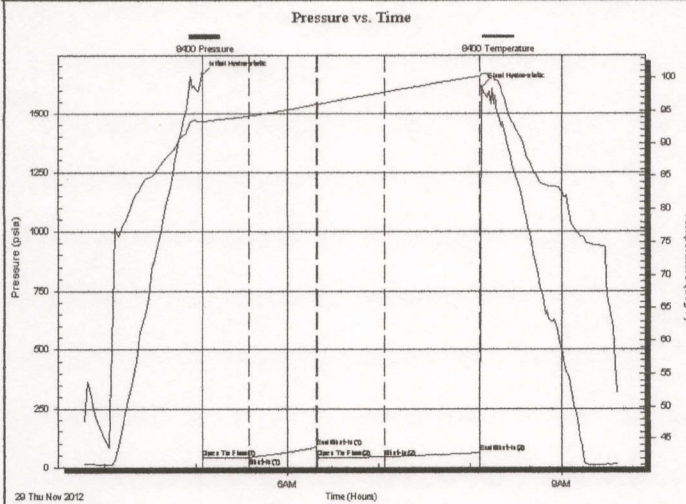
34-19s-11w-Barton
John Roth C3
 Job Ticket: 17701 DST#: 4
 Test Start: 2012.11.29 @ 03:46:00

GENERAL INFORMATION:

Formation: **Arbukle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:04:30
 Time Test Ended: 09:37:00
 Interval: **3300.00 ft (KB) To 3328.00 ft (KB) (TVD)**
 Total Depth: 3328.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Reference Elevations: 1785.00 ft (KB)
 1777.00 ft (CF)
 KB to GRVCF: 8.00 ft

Serial #: 8400 **Outside**
 Press@RunDepth: 60.45 psia @ 3325.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.11.29 End Date: 2012.11.29 Last Calib.: 2012.11.29
 Start Time: 03:46:00 End Time: 09:37:30 Time On Btm: 2012.11.29 @ 05:04:00
 Time Off Btm: 2012.11.29 @ 08:07:30

TEST COMMENT: 1st Open 30 minutes Weak blow blew 1/2 inch.
 1st Shut in 45 minutes No blow back'
 2nd Open 45 minutes Weak blow blew 1/2 inch.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

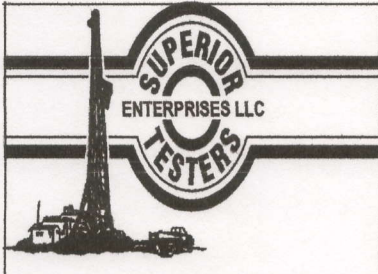
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1665.55	93.50	Initial Hydro-static
1	38.76	93.14	Open To Flow (1)
31	40.01	94.14	Shut-In(1)
76	85.20	96.01	End Shut-In(1)
76	40.85	96.01	Open To Flow (2)
121	42.46	97.86	Shut-In(2)
183	60.45	100.20	End Shut-In(2)
184	1612.13	100.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Slightly oil cut mud 4%OI/96% Mud	0.21

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Carrie Exploration
 210 West 22nd Hays Kansas
 67601

34-19s-11w-Barton

John Roth C3

Job Ticket: 17701

DST#: 4

ATTN: Herb

Test Start: 2012.11.29 @ 03:46:00

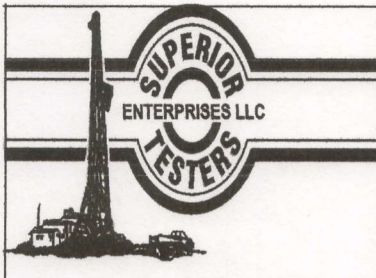
Tool Information

Drill Pipe:	Length: 3295.00 ft	Diameter: 3.80 inches	Volume: 46.22 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 46.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3300.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3285.00	
Hydraulic Tool	5.00			3290.00	
Packer	5.00			3295.00	20.00 Bottom Of Top Packer
Packer	5.00			3300.00	
Anchor	23.00			3323.00	
Recorder	1.00	6663	Inside	3324.00	
Recorder	1.00	8400	Outside	3325.00	
Bullnose	3.00			3328.00	28.00 Bottom Packers & Anchor

Total Tool Length: 48.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Carrie Exploration

34-19s-11w-Barton

210 West 22nd Hays Kansas
67601

John Roth C3

Job Ticket: 17701

DST#: 4

ATTN: Herb

Test Start: 2012.11.29 @ 03:46:00

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: 9.60 in³

Gas Cushion Type:

Resistivity: 5000.00 ohm.m

Gas Cushion Pressure:

psia

Salinity: ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Slightly oil cut mud 4%Oil96% Mud	0.210

Total Length:

15.00 ft

Total Volume:

0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6663

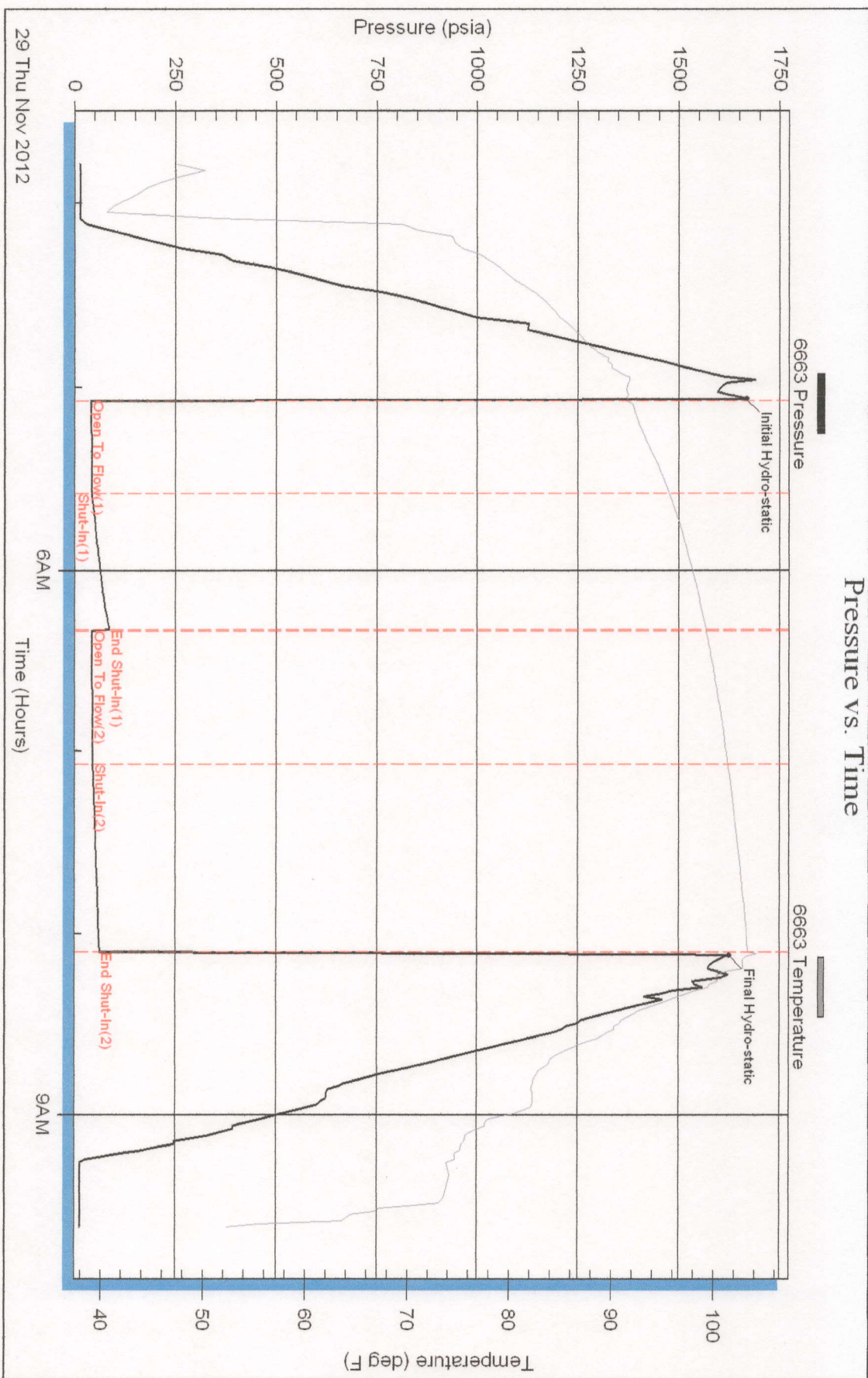
Inside

Carrie Exploration

John Roth C3

DST Test Number: 4

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17701

Printed: 2012.11.29 @ 09:58:17

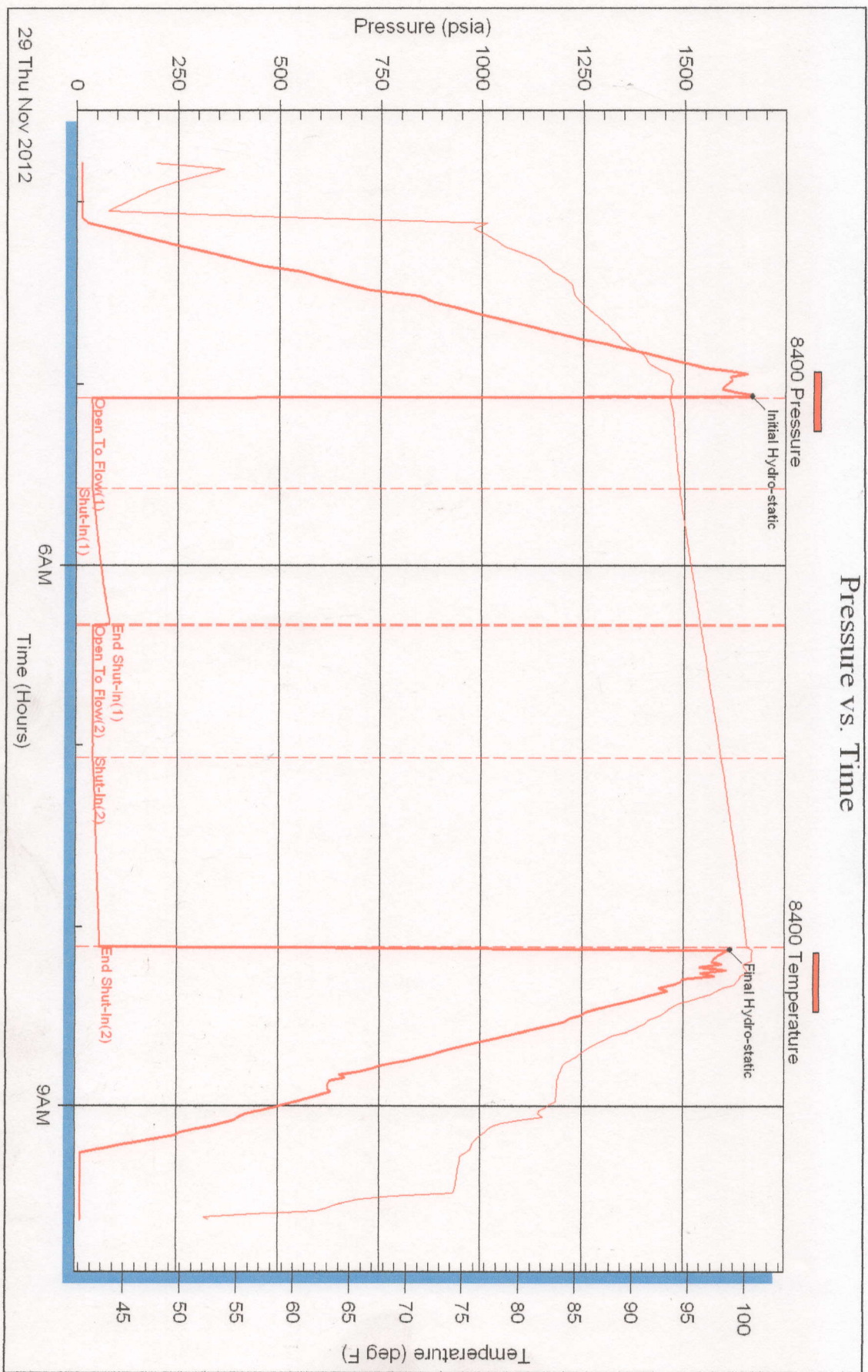
Serial #: 8400

Outside Carrie Exploration

John Rath C3

DST Test Number: 4

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration**

210 West 22nd Hays Kansas
67601

ATTN: Herb

John Roth C3

34-19s-11w-Barton

Start Date: 2012.11.29 @ 03:01:00

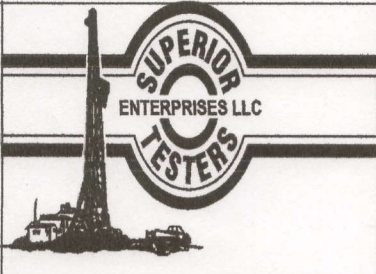
End Date: 2012.11.29 @ 09:28:30

Job Ticket #: 17702 DST #: 5

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.11.29 @ 21:54:29

Carrie Exploration 34-19s-11w-Barton John Roth C3 DST # 5 Arbuckle 2012.11.29



DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

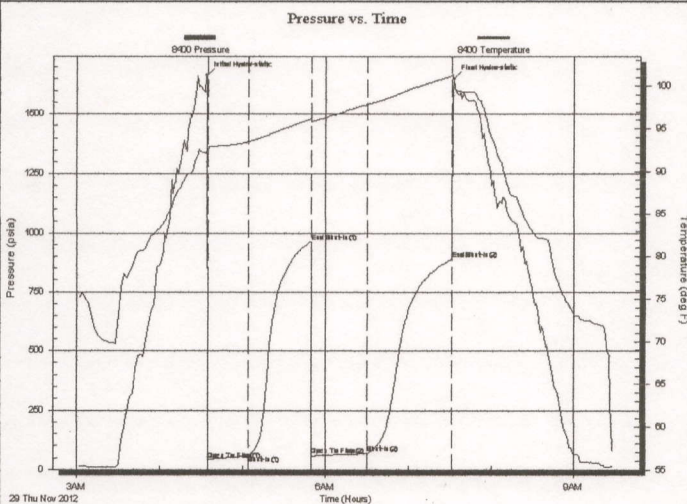
34-19s-11w-Barton
John Roth C3
 Job Ticket: 17702 **DST#: 5**
 Test Start: 2012.11.29 @ 03:01:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 04:34:30
 Time Test Ended: 09:28:30
 Interval: **3300.00 ft (KB) To 3333.00 ft (KB) (TVD)**
 Total Depth: **3333.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Dustin Ellis**
 Unit No: **3315-Great-Bend-25**
 Reference Elevations: **1785.00 ft (KB)**
1777.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8400 **Outside**
 Press@RunDepth: **888.67 psia @ 3330.00 ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2012.11.29** End Date: **2012.11.29** Last Calib.: **2012.11.29**
 Start Time: **03:01:00** End Time: **09:28:30** Time On Btm: **2012.11.29 @ 04:34:00**
 Time Off Btm: **2012.11.29 @ 07:33:00**

TEST COMMENT: 1st Open 30 minutes Fair building blow blew 5.5 inches
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow blew bottom bucket 28 minutes.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1663.41	92.46	Initial Hydro-static
1	42.17	92.31	Open To Flow (1)
31	58.95	93.49	Shut-In(1)
76	964.26	96.10	End Shut-In(1)
76	59.62	95.82	Open To Flow (2)
116	69.18	97.86	Shut-In(2)
178	888.67	101.13	End Shut-In(2)
179	1647.37	100.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Clean Oil 100%	0.21
55.00	Oil cut mud 20% Oil Mud 80%	0.77

Gas Rates

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



DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

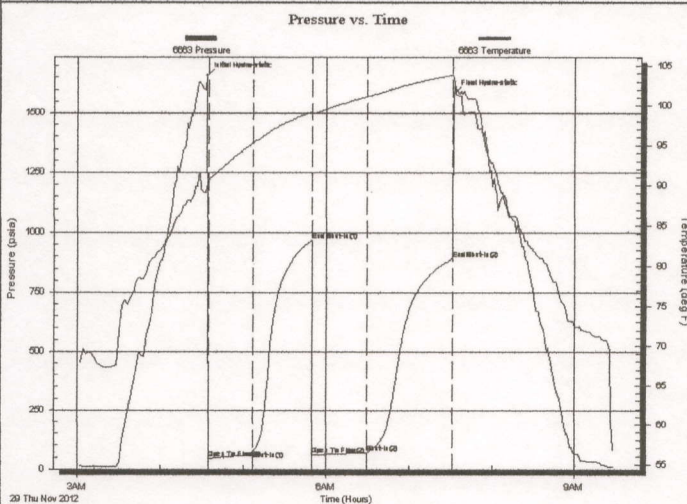
34-19s-11w-Barton
John Roth C3
 Job Ticket: 17702 **DST#: 5**
 Test Start: 2012.11.29 @ 03:01:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:34:30
 Time Test Ended: 09:28:30
 Interval: **3300.00 ft (KB) To 3333.00 ft (KB) (TVD)**
 Total Depth: 3333.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great-Bend-25
 Reference Elevations: 1785.00 ft (KB)
 1777.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6663 **Inside**
 Press@RunDepth: 69.52 psia @ 3329.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.11.29 End Date: 2012.11.29 Last Calib.: 2012.11.29
 Start Time: 03:01:00 End Time: 09:28:30 Time On Btm: 2012.11.29 @ 04:33:30
 Time Off Btm: 2012.11.29 @ 07:32:30

TEST COMMENT: 1st Open 30 minutes Fair building blow blew 5.5 inches
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow blew bottom bucket 28 minutes.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

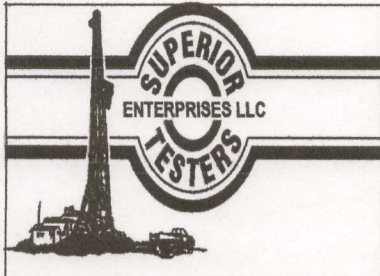
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1657.54	89.74	Initial Hydro-static
1	43.54	90.55	Open To Flow (1)
34	75.45	95.28	Shut-In(1)
76	966.82	99.20	End Shut-In(1)
77	60.59	99.00	Open To Flow (2)
116	69.52	101.14	Shut-In(2)
178	891.02	103.82	End Shut-In(2)
179	1582.96	103.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Clean Oil 100%	0.21
55.00	Oil cut mud 20% Oil Mud 80%	0.77

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Carrie Exploration
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

34-19s-11w-Barton
John Roth C3
 Job Ticket: 17702 **DST#: 5**
 Test Start: 2012.11.29 @ 03:01:00

Tool Information

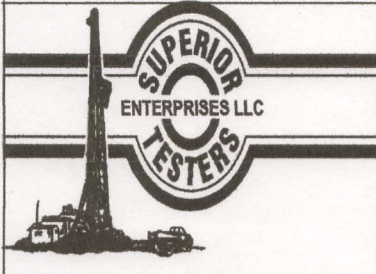
Drill Pipe:	Length: 3295.00 ft	Diameter: 3.80 inches	Volume: 46.22 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 46.22 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3300.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	53.00 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			3285.00	
Hydraulic Tool	5.00			3290.00	
Packer	5.00			3295.00	20.00 Bottom Of Top Packer
Packer	5.00			3300.00	
Anchor	28.00			3328.00	
Recorder	1.00	6663	Inside	3329.00	
Recorder	1.00	8400	Outside	3330.00	
Bullnose	3.00			3333.00	33.00 Bottom Packers & Anchor

Total Tool Length: 53.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Carrie Exploration
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

34-19s-11w-Barton
John Roth C3
 Job Ticket: 17702 DST#: 5
 Test Start: 2012.11.29 @ 03:01:00

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: bbl		
Water Loss: 9.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Clean Oil 100%	0.210
55.00	Oil cut mud 20% Oil Mud 80%	0.772

Total Length: 70.00 ft Total Volume: 0.982 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6663

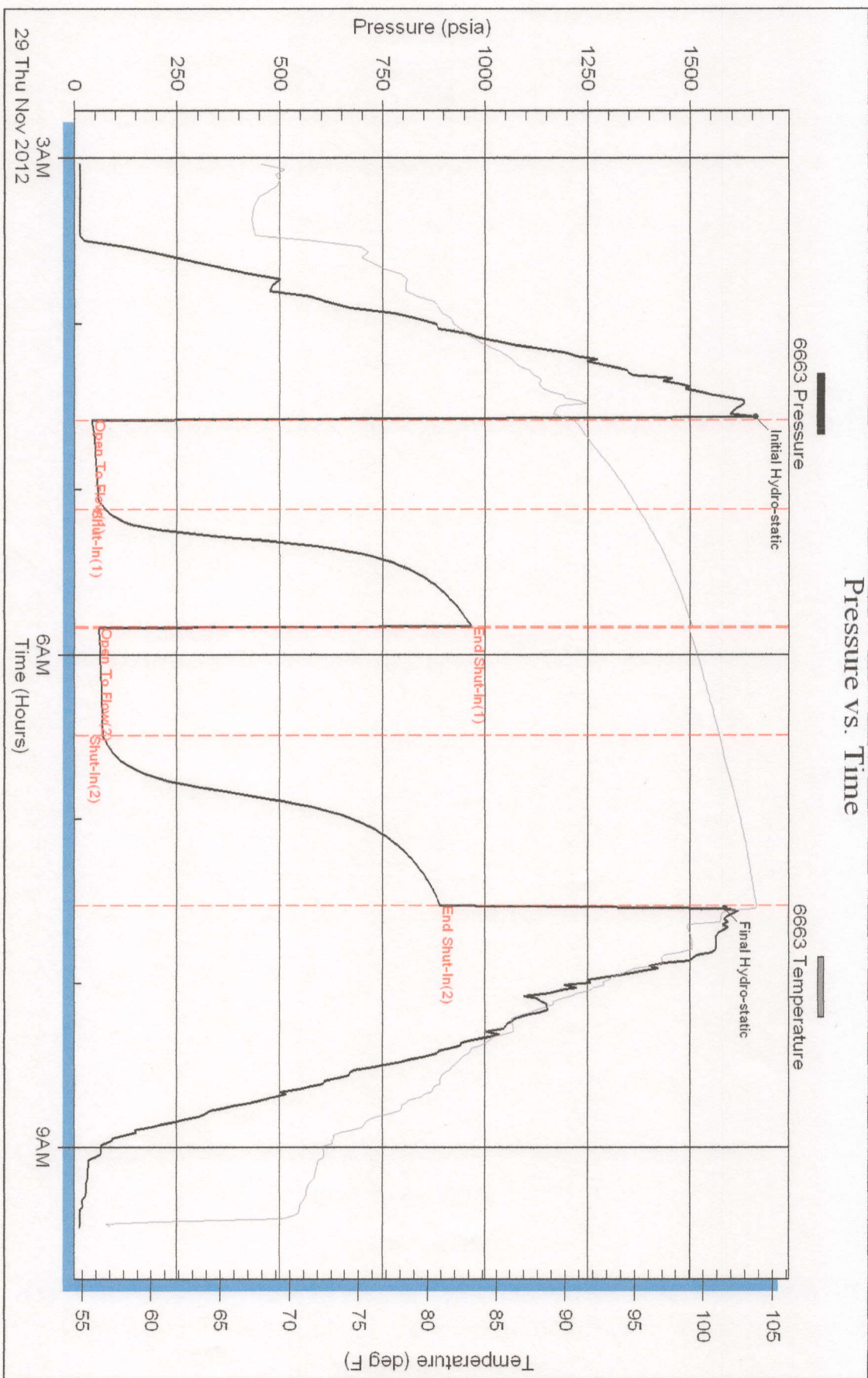
Inside

Carrie Exploration

John Rath C3

DST Test Number: 5

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17702

Printed: 2012.11.29 @ 21:54:30

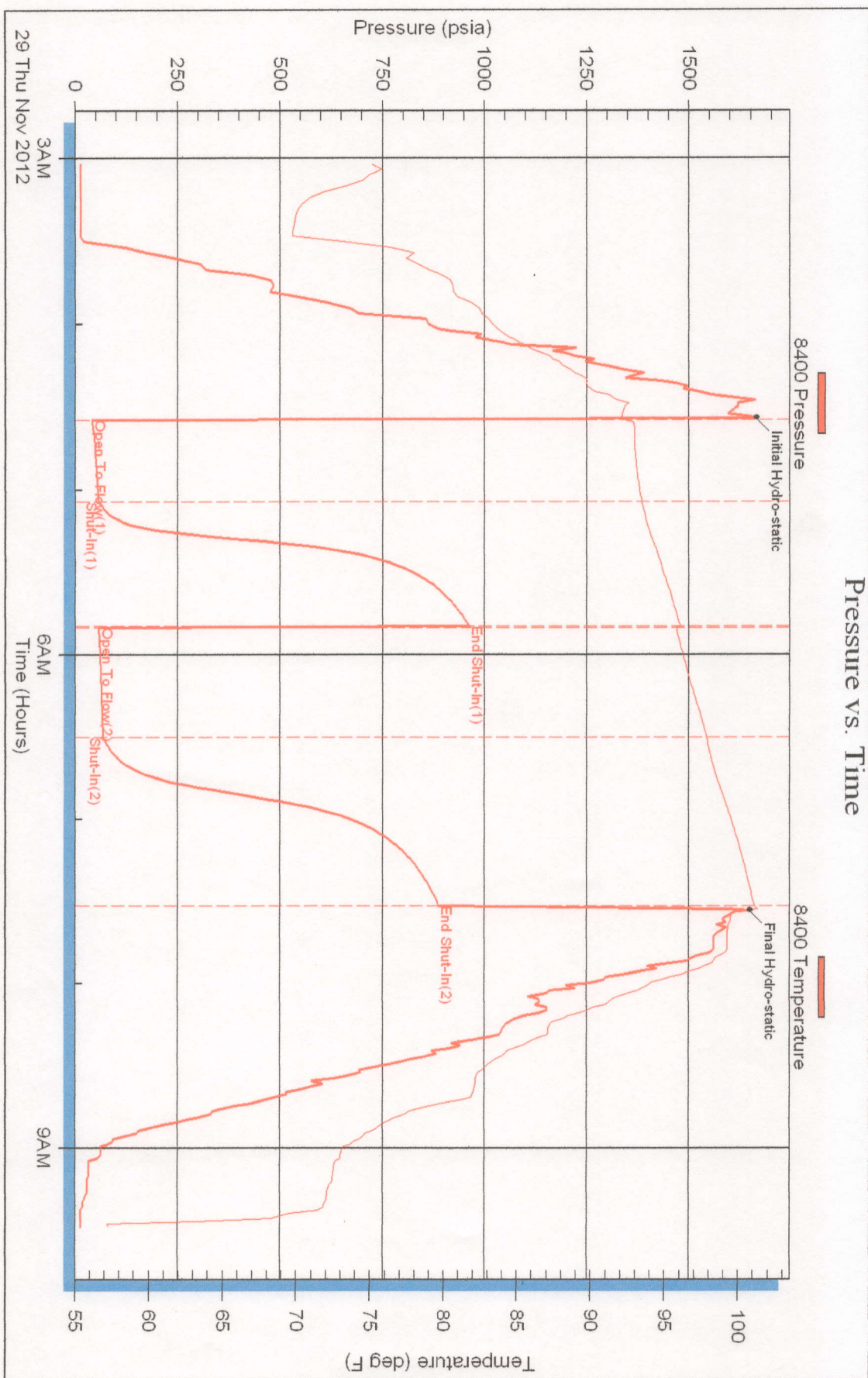
Serial #: 8400

Outside Carrie Exploration

John Rath C3

DST Test Number: 5


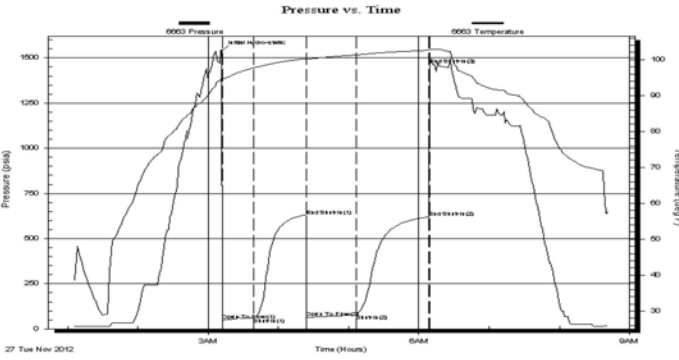
Pressure vs. Time



OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, MICRORESISTIVITY LOG

DRILL STEM TESTING BY SUPERIOR TESTERS ENTERPRISES, LLC: FIVE (5) CONVENTIONAL TESTS

DST # 1 TEST SUMMARY A_B ZONES OF LKC

	DRILL STEM TEST REPORT																																						
	Carrie Exploration 210 West 22nd Hays Kansas 67601 ATTN: Herb	34-19s-11w-Barton John Roth C3 Job Ticket: 17873 DST#: 1 Test Start: 2012.11.27 @ 01:05:00																																					
GENERAL INFORMATION:																																							
Formation: Lansing A-C Deviated: No Whipstock: ft (KB) Time Tool Opened: 03:12:00 Time Test Ended: 08:41:30		Test Type: Conventional Bottom Hole (Initial) Tester: Dustin Ellis Unit No: 3315-Great Bend-25																																					
Interval: 3047.00 ft (KB) To 3090.00 ft (KB) (TVD) Total Depth: 3090.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair		Reference Elevations: 1785.00 ft (KB) 1777.00 ft (CF) KB to GR/CF: 8.00 ft																																					
Serial #: 6663 Outside Press@RunDepth: 77.87 psia @ 3086.00 ft (KB) Start Date: 2012.11.27 End Date: 2012.11.27 Start Time: 01:05:00 End Time: 08:41:30		Capacity: 5000.00 psia Last Calib.: 2012.11.27 Time On Btm: 2012.11.27 @ 03:11:30 Time Off Btm:																																					
TEST COMMENT: 1st Open 30 minutes Fair building blow blew 4.5 inches . 1st Shut in 45 minutes No blow back 2nd Open 45 minutes Weak blow blew 1/2 inch. into bucket of water. 2nd Shut in 60 minutes No blow back																																							
		PRESSURE SUMMARY																																					
		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time (Min.)</th> <th>Pressure (psia)</th> <th>Temp (deg F)</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>0</td><td>1538.94</td><td>95.03</td><td>Initial Hydro-static</td></tr> <tr><td>1</td><td>48.78</td><td>94.70</td><td>Open To Flow (1)</td></tr> <tr><td>28</td><td>59.16</td><td>97.70</td><td>Shut-In(1)</td></tr> <tr><td>72</td><td>626.73</td><td>100.24</td><td>End Shut-In(1)</td></tr> <tr><td>73</td><td>63.19</td><td>100.12</td><td>Open To Flow (2)</td></tr> <tr><td>115</td><td>77.87</td><td>101.33</td><td>Shut-In(2)</td></tr> <tr><td>178</td><td>619.54</td><td>102.61</td><td>End Shut-In(2)</td></tr> <tr><td>178</td><td>1464.11</td><td>102.79</td><td>End Shut-In(3)</td></tr> </tbody> </table>	Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation	0	1538.94	95.03	Initial Hydro-static	1	48.78	94.70	Open To Flow (1)	28	59.16	97.70	Shut-In(1)	72	626.73	100.24	End Shut-In(1)	73	63.19	100.12	Open To Flow (2)	115	77.87	101.33	Shut-In(2)	178	619.54	102.61	End Shut-In(2)	178	1464.11	102.79	End Shut-In(3)	
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DST # 2 TEST SUMMARY D-F ZONES OF LKC

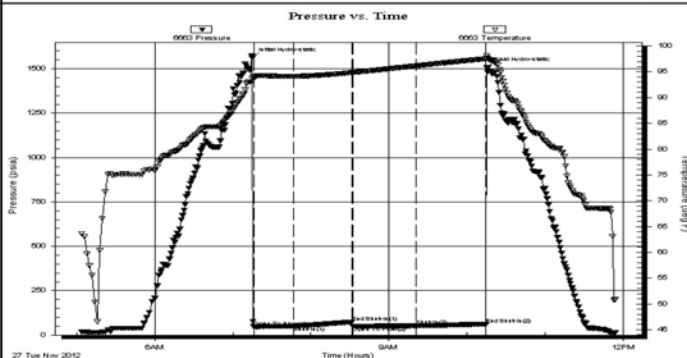
	DRILL STEM TEST REPORT		
	Carrie Exploration 210 West 22nd Hays Kansas 67601	34-19s-11w-Barton John Roth C3 Job Ticket: 17874 DST#: 2	

GENERAL INFORMATION:

Formation: **Lansing D-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:16:00
 Time Test Ended: 11:54:00
 Interval: **3088.00 ft (KB) To 3135.00 ft (KB) (TVD)**
 Total Depth: 3135.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Reference Elevations: 1785.00 ft (KB)
 1777.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6663 Outside
 Press@RunDepth: 52.14 psia @ 3131.00 ft (KB)
 Start Date: 2012.11.27 End Date: 2012.11.27
 Start Time: 05:03:00 End Time: 11:54:00
 Capacity: 5000.00 psia
 Last Calib.: 2012.11.27
 Time On Btm: 2012.11.27 @ 07:15:00
 Time Off Btm: 2012.11.27 @ 10:15:00

TEST COMMENT: 1st Open 30 minutes Fair blow blew 1 inch. into the bucket.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Weak surface blow died off.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1561.82	93.74	Initial Hydro-static
1	47.81	94.01	Open To Flow (1)
32	49.49	94.11	Shut-In(1)
77	74.48	94.85	End Shut-In(1)
78	49.46	94.87	Open To Flow (2)
126	52.14	96.14	Shut-In(2)
180	62.16	97.53	End Shut-In(2)
180	1507.38	98.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
18.00	Mud 100%	0.25

Gas Rates

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

DST # 3 NO TEST SUMMARY AVAILABLE DUE TO COMPUTER FAILURE

DST # 4 TEST SUMMARY ARBUCKLE



DRILL STEM TEST REPORT

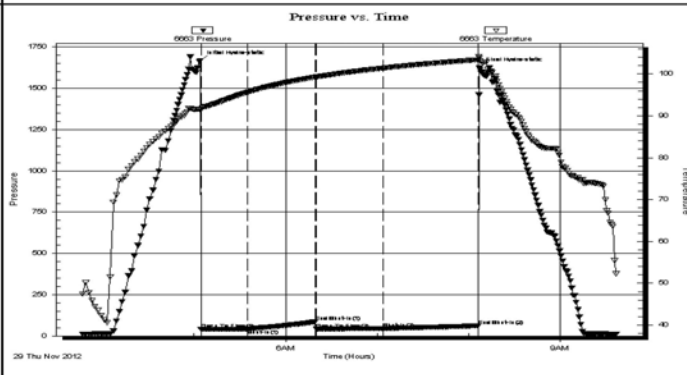
Carrie Exploration
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb
34-19s-11w-Barton
John Roth C3
 Job Ticket: 17701 **DST#: 4**
 Test Start: 2012.11.29 @ 03:46:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:04:30
 Time Test Ended: 09:37:00
 Interval: **3300.00 ft (KB) To 3328.00 ft (KB) (TVD)**
 Total Depth: 3328.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Reference Elevations: 1785.00 ft (KB)
 1777.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6663 Inside
 Press@RunDepth: 44.13 psia @ 3324.00 ft (KB)
 Start Date: 2012.11.29 End Date: 2012.11.29
 Start Time: 03:47:00 End Time: 09:37:00
 Capacity: 5000.00 psia
 Last Calib.: 2012.11.29
 Time On Btm: 2012.11.29 @ 05:04:00
 Time Off Btm: 2012.11.29 @ 08:07:00

TEST COMMENT: 1st Open 30 minutes Weak blow blew 1/2 inch.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Weak blow blew 1/2 inch.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1667.10	91.57	Initial Hydro-static
1	40.23	91.49	Open To Flow (1)
31	41.95	95.65	Shut-In(1)
76	87.03	99.26	End Shut-In(1)
76	42.41	99.28	Open To Flow (2)
121	44.13	101.40	Shut-In(2)
182	62.18	103.39	End Shut-In(2)
183	1624.02	103.75	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
15.00	Slightly oil cut mud 4% Oil 96% Mud	0.21

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

Superior Testers Enterprises LLC

Ref. No: 17701

Printed: 2012.11.30 @ 09:36:15

DST # 5 TEST SUMMARY ARBUCKLE



DRILL STEM TEST REPORT

Carrie Exploration **34-19s-11w-Barton**

210 West 22nd Hays Kansas 67601 **John Roth C3**

ATTN: Herb Job Ticket: 17702 **DST#:5**

Test Start: 2012.11.29 @ 03:01:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:34:30
 Time Test Ended: 09:28:30

Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great-Bend-25

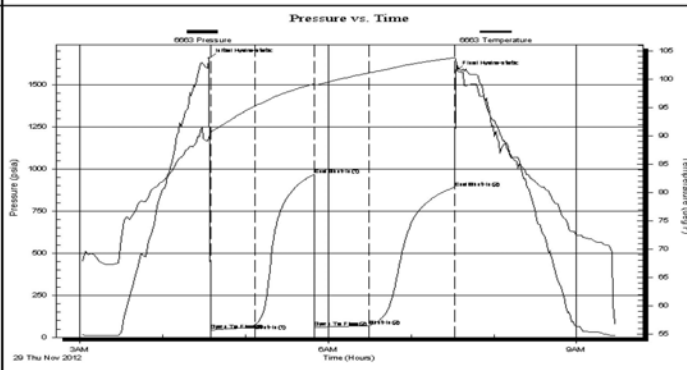
Interval: **3300.00 ft (KB) To 3333.00 ft (KB) (TVD)**
 Total Depth: 3333.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1785.00 ft (KB)
 1777.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6663 Inside

Press@RunDepth: 69.52 psia @ 3329.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.11.29 End Date: 2012.11.29 Last Calib.: 2012.11.29
 Start Time: 03:01:00 End Time: 09:28:30 Time On Btm: 2012.11.29 @ 04:33:30
 Time Off Btm: 2012.11.29 @ 07:32:30

TEST COMMENT: 1st Open 30 minutes Fair building blow blew 5.5 inches
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow blew bottom bucket 28 minutes.
 2nd Shut in 60 minutes No blow back













PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1657.54	89.74	Initial Hydro-static
1	43.54	90.55	Open To Flow (1)
34	75.45	95.28	Shut-In(1)
76	966.82	99.20	End Shut-In(1)
77	60.59	99.00	Open To Flow (2)
116	69.52	101.14	Shut-In(2)
178	891.02	103.82	End Shut-In(2)
179	1582.96	103.72	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
15.00	Clean Oil 100%	0.21
55.00	Oil cut mud 20% Oil Mud 80%	0.77

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

ROCK TYPES

	Clystgy		Lmst fw<7		shale, gry		Ss
	Clystcol		Lmst fw7>		Carbon Sh		
	Dolprim		shale, grn		shale, red		

ACCESSORIES

MINERAL

- P Pyrite
- △ Chert White

FOSSIL

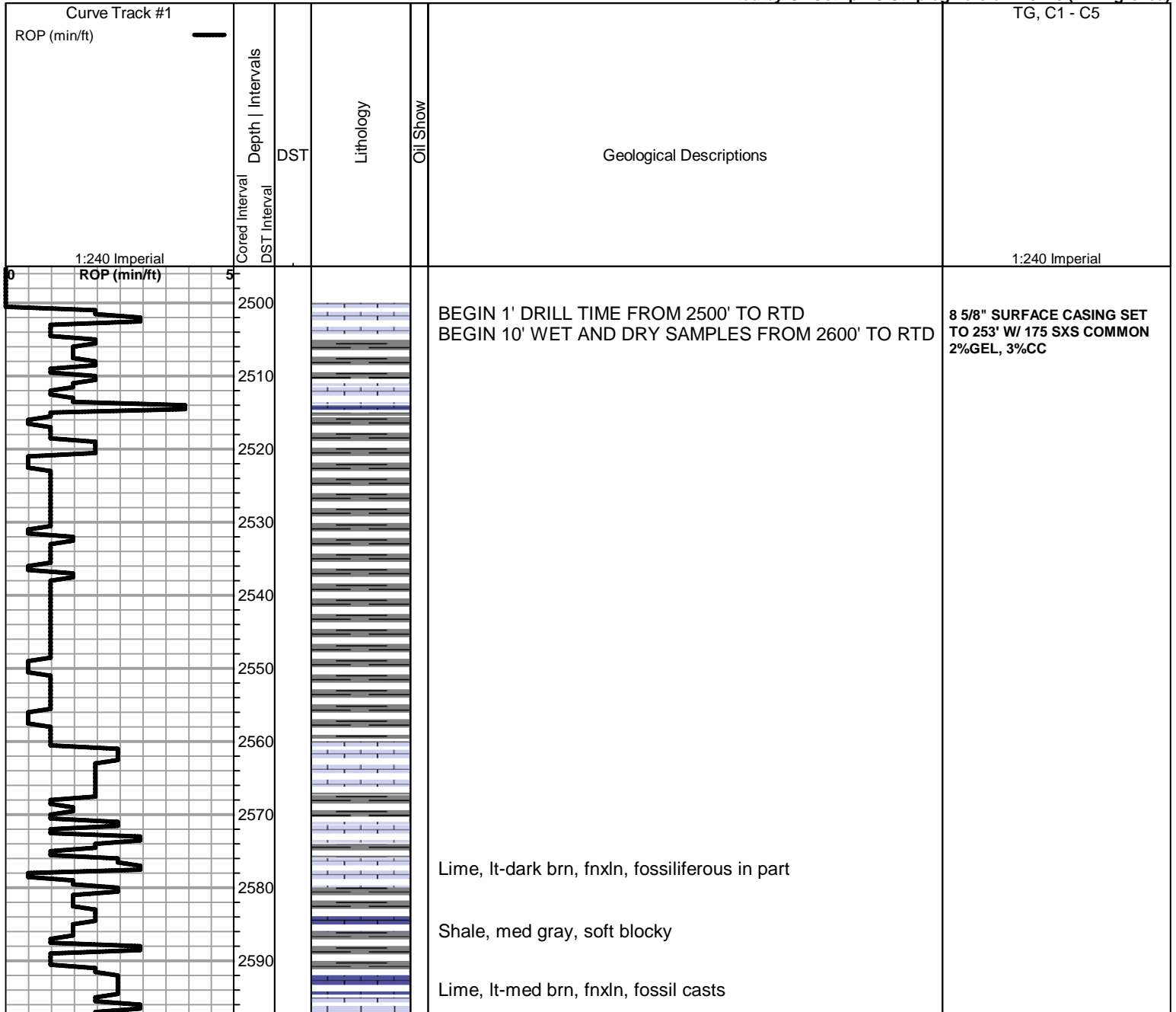
- Oolite
- ⊕ Oomoldic

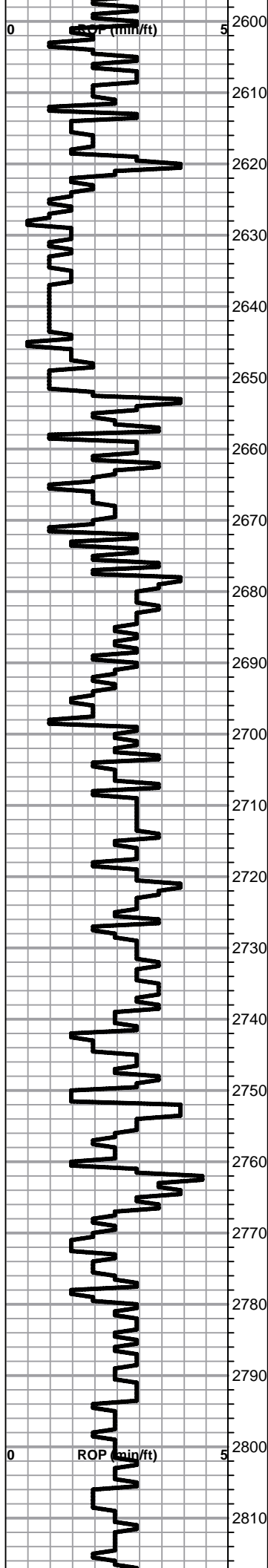
OTHER SYMBOLS

DST

- DST Int
- DST alt
- Core

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





Lime, lt brn-med grayish brn, fnxln, thin fusulinid beds in part

Lime, lt brn-med grayish brn, fnxln-granular, soft chalk

Shale, lt gray, soft, sticky clumps

Lime, med-dark brn, fnxln, slightly fossiliferous

Shale, lt gray, soft forming soft mud in part



Sandstone, lt gray, fn grained, gritty, glauconitic, NS, no staining

TOPEKA ELOG 2651-869

Lime, lt-dark brn, fnxln, thin fossil beds in part, NS

Lime, lt-med grn-gray, fnxln, scattered chalk, thin fossil beds

Lime, lt-med brn, fnxln, bedded chalk in part

Lime, lt-med brn, fnxln, slight thin bed chalk

Lime, lt-med brn-grayish brn, fnxln with increasing granular

Lime, lt-dark-grayish brn, fnxln, scattered micritic lime, micro fossils in darker limes.

Lime, lt-dark brn, fnxln, thin fusulinid beds

Lime, lt-med brn, fnxln, scattered fusulinids

Lime, lt-med brn, fnxln, scattered chalk beds with thin fossil beds in part

Lime, lt-med brn-grayish brn, fnxln, thin beds of fusulinids with crinoid segments in part

Shale, gray-black, carbonaceous

Lime, med brn, fn-vfxln with sticky clumps of chalk

Shale, lt gray, forming soft sticky clumps

Lime, lt brn-lt gray, fnxln, bed chalk in part

Shale, lt gray, soft forming soft mud

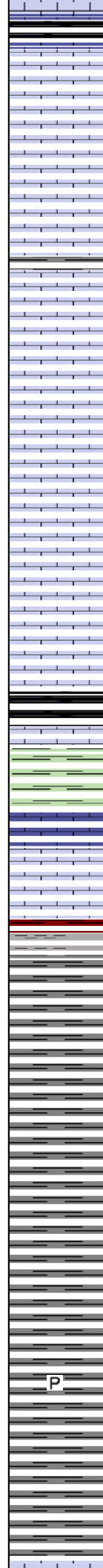
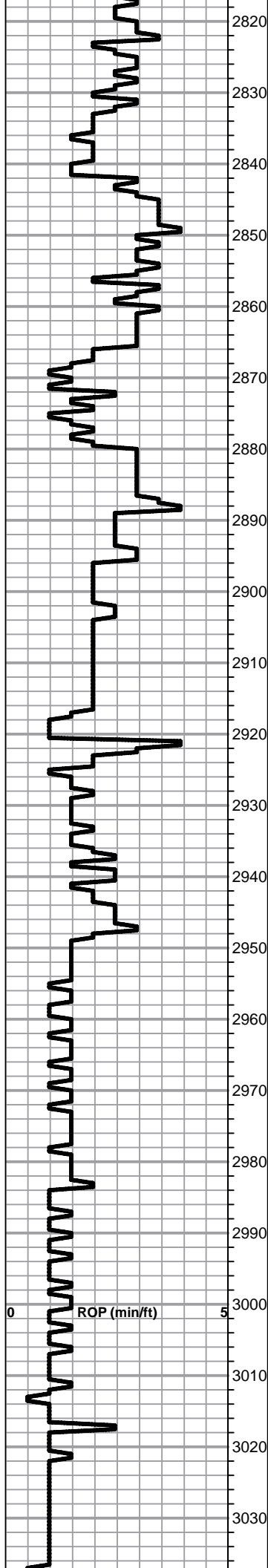
Lime, crm-lt brn, fnxln, bed chalk

Lime, crm-lt brn, fnxln, bed chalk in part

Lime, lt brnm fnxln-granular, chalk in part

Lime, lt-med brn, fnxln-granular, slight bed chalk

Lime, lt brn-lt gray, fnxln-granular, chalk in part



Shale, gray-black carbonaceous, fissile, blocky

Lime, med brn-grayish brn, fnxln-granular, bed chalk in part

Lime, lt-med brn-grayish brn, fnxln-granular, chalk in part

Lime, lt-med brn, fnxln, slightly fossiliferous, slight chalk in part

Lime, lt-med brn, fnxln, slight fossiliferous, gray speckling

Lime, lt-med brn, fnxln-granular, slightly fossiliferous, soft bed chalk, NS

Lime, lt-med brn, fnxln-granular, thin fusulinid beds with slight chalk in part

Lime, lt-med brn, fnxln-granular

Lime, lt-med brn, fnxln-granular, bed chalk in part

Lime, lt-med brn, fnxln-granular, slightly fossiliferous

HEEBNER SHALE ELOG 2914-1132

Shale, black carbonaceous, fissile, blocky

Lime, med brn, fnxln, hard, slightly fossiliferous

Shale, dove gray-lime green forming soft mud clumps

TORONTO ELOG 2931-1149

Lime, lt brn, fnxln-granular, chalk in part, NS

Lime, crm, granular, chalk in part, NS

DOUGLAS SHALE ELOG 2946-1164

Shale, reddish brn-lt gray forming soft mud clumps

Shale, lt-med gray, soft, platy

Shale, lt-med gray, soft sticky clumps-soft blocky

Shale, lt-med gray, soft-firm

Sandstone, fn grained, gritty, micaceous, NS, no staining

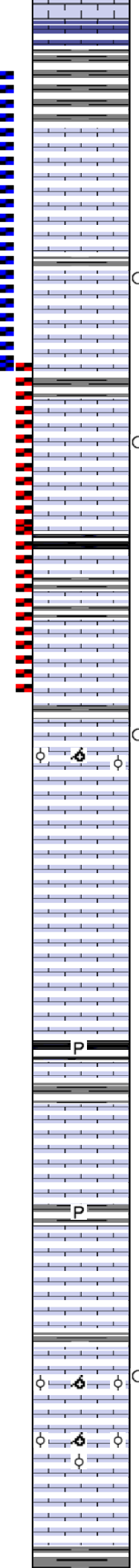
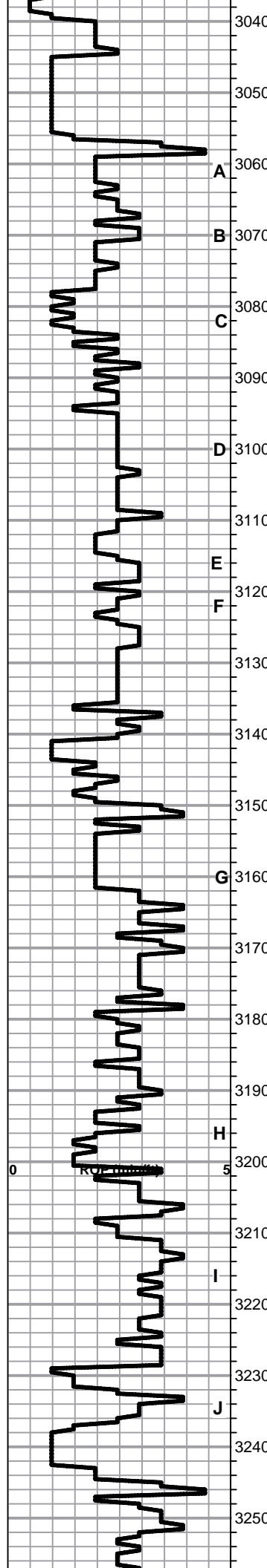
Soft, lt-med gray, soft-firm

Shale, lt gray with increasing sticky, argillaceous clumps

Shale, lt-med gran, soft blocky- sticky clumps in part scattered pyrite clusters in part

Shale, lt-med gray, soft blocky-sticky clumps

BROWN LIME ELOG 3036-1254



Lime, lt-med brn, fn-vfxln, slightly fossiliferous

Shale, lt-med gray, soft forming soft mud in part

LKC ELOG 3055-1273

Lime, lt-med brn, fnxln-granular with chalk, NS

Lime, lt brn, fnxln, oolitic/oolmoldic, scattered lite staining, V
lt odor

Lime, crm-lt brn, fnxln, scattered fusulinids

Lime, lt-med brn, fnxln

Lime, offwhite-lt gray-lt brn, mostly fnxln, slight bed chalk,
trace of oil stain in interxln porosity with fossil casts

Lime, lt gray-med brn, fnxln, scattered fossil fragments

Shale, gray-black carbonaceous

Lime, lt-med brn-grayish brn, fnxln, hard on crush

Lime, lt grayish brn-lt brn, fnxln, NS

Lime, lt gray-lt brn, fnxln, slight bedded chalk with scattered
fossil fragments in part, NS

Lime, crm-lt brn, fnxln, slightly fossiliferous in thin beds,
trace of staining, NFO, No Odor

Lime, lt-med brn-grayish brn, fnxln, scattered crinoids
segments

Lime, lt brn-lt grayish brn, fnxln, slight bed chalk in part

Lime, med brn-med grayish brn, fn-vfxln, hard on crush

Lime, crm-lt brn, fnxln with increasing bed chalk

Shale, gray-black carbonaceous

Lime, lt grayish brn, fn-vfxln, micritic in part

Lime, lt brn-lt grayish brn, fnxln, bedded chalk, NS, No Stain

Lime, lt-med brn, fn-vfxln

Lime, lt-med brn, mostly fn-vfxln

Lime, lt brn-offwhite, fnxln with oolitic/oolmoldic chips with
chalk beds in part, very spotty stain, NFO, No Odor

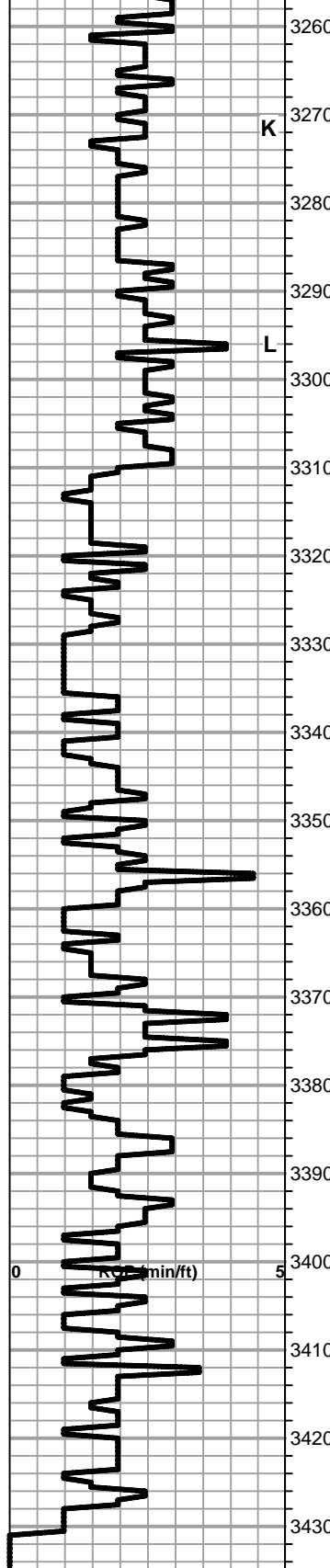
Lime, white-lt brn, fnxln with oolitic/oolmoldic in part, lot of
bedded chalk, NS

Lime, crm-lt brn, fnxln, scattered thin chalk beds

Shale, dark gray, forming soft mud clumps

DST # 1 3047' - 3090' SEE
HEADER FOR TEST SUMMARY

DST # 2 3088' - 3135' SEE
HEADER FOR TEST
SUMMARY



Shale, dove gray, forming soft mud clumps

Lime, crm-lt brn with scattered dark brn lime, fn-vfxln, slight chalk in part

Lime, lt brn, fnxln, bed chalk in part

Lime, lt brn-lt grayish brn, fnxln, bed chalk in part , few oolimoldic chips with very lt, scattered staining, NFO, No Odor

Lime, lt-dark brn, fn-vfxln, slight bed chalk in part

Lime, lt-med brn, fnxln

BKC ELOG 3305-1523

Shale, lt gray-lt brn-reddish brn, soft blocky

Shale, reddish brn, blocky

ARBUCKLE ELOG 3318-1536

Dolomite, crm-lt brn, fnxln, fine grained with lt odor and stain

Dolomite, crm-lt brn, fnxln with fine grained sucrosic, lt odor

Dolomite, lt brn, fn-med xln, scattered to sat stain, F odor

Dolomite, lt brn, fnxln with scattered vugs, fair odor

White chert, fresh, sharp

Dolomite, lt brn, fnxln-granular, slightly vuggy, lt sulfur odor

Dolomite, lt brn, fnxln-granular, decreasing sulfur odor

Dolomite, lt-med brn, fnxln-granular, scattered vugs and oomolds.

Dolomite, lt brn, fnxln, hard on crush

Dolomite, lt brn, granular, scattered vugs

Dolomite, lt brn, fnxln-granular, increasing euhedral, cxln material.

Dolomite, crm-lt brn, mostly fnxln

Dolomite, , lt brn, fnxln-granular

Dolomite, crm-lt brn, fnxln-granular

RTD 3430-1648 LTD 3430-1648

DST # 3 3300' - 3323'
 TESTER'S COMPUTER
 FAILED AFTER TEST AND
 DATA LOST. TEST HAD 5' OF
 MUD AND NO PRESSURES.
 DRILLED 5' AND RAN DST # 4
 WHICH WAS ALMOST
 IDENTICAL TO # 3 TEST IN
 RECOVERY AND
 PRESSURES

DST # 4 3300' - 3328' SEE
 HEADER FOR TEST
 SUMMARY

DST # 5 3300' - 3333' SEE
 HEADER FOR TEST
 SUMMARY

ALLIED

OIL & GAS SERVICES, LLC

Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 133726
Invoice Date: Nov 20, 2012
Page: 1

OK
Cement surface *C*
paid 3443 12-10-12



Bill To:
Carrie Exploration & Development LLC
210 West 22nd Street
Hays, KS 67601

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Carrie	John Roth C #3	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Nov 20, 2012	12/20/12

Quantity	Item	Description	Unit Price	Amount
175.00	MAT	Class A Common	17.90	3,132.50
3.00	MAT	Gel	23.40	70.20
5.00	MAT	Chloride	64.00	320.00
189.22	SER	Cubic Feet	2.48	469.26
103.56	SER	Ton Mileage	2.60	269.25
1.00	SER	Surface	1,512.25	1,512.25
12.00	SER	Pump Truck Mileage	7.70	92.40
12.00	SER	Light Vehicle Mileage	4.40	52.80
1.00	CEMENTER	Dustin Chambers		
1.00	EQUIP OPER	Kevin Eddy		
1.00	OPER ASSIST	Kevin Weighous		
1.00	OPER ASSIST	Charles Kinyon		

Subtotal	5,918.66
Sales Tax	257.16
Total Invoice Amount	6,175.82
Payment/Credit Applied	
TOTAL	6,175.82

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$1,479.66

ONLY IF PAID ON OR BEFORE
Dec 15, 2012

4696.15

ALLIED OIL & GAS SERVICES, LLC 059127

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Carrollton

DATE <u>1/20/12</u>	SEC <u>34</u>	TWP <u>19</u>	RANGE <u>11 W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00</u>	JOB FINISH <u>10:00</u>
LEASE <u>John Roth</u>		WELL # <u>63</u>		LOCATION <u>Ellinwood jts 1E 14N Barton</u>		COUNTY <u>Barton</u>	STATE <u>TX</u>
OLD OR <u>NEW</u> (Circle one)				EIN <u>6100</u>			

CONTRACTOR Southward #6

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D.

CASING SIZE 5 7/8 DEPTH 253.97

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 CT

PERFS.

DISPLACEMENT 15.72 bbls Freshwater

OWNER

CEMENT AMOUNT ORDERED 175 SKS Class A

3426 21981

COMMON	<u>175</u>	@ <u>12.90</u>	<u>3.132.50</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.90</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@ <u>64.00</u>	<u>320.00</u>
ASC		@	

EQUIPMENT

PUMP TRUCK CEMENTER Rogin Chambers 1

366 HELPER Karla Eddy 2

BULK TRUCK

341 DRIVER Karla Wengler 3

BULK TRUCK

DRIVER Charles Kinyon 3

HANDLING 189.22 @ 2.48 469.26

MILEAGE 8.63 x 12 x 2.60 269.25

TOTAL 4.261.21

REMARKS:

500 Cement

6.09

103.56

SERVICE

DEPTH OF JOB 253

PUMP TRUCK CHARGE 1512.35

EXTRA FOOTAGE @

MILEAGE Hum 12 @ 7.20 92.40

MANIFOLD Hum 12 @ 4.40 52.80

CHARGE TO: Carroll Exploration

STREET

CITY STATE ZIP

TOTAL 1.657.45

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) 257.15

TOTAL CHARGES 5.918.66

25% DISCOUNT 1.479.66 IF PAID IN 30 DAYS

4.439.00

PRINTED NAME X Wesley Pfaff

SIGNATURE X Wesley Pfaff

Thank you!!

SWIFT



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300

Invoice

DATE	INVOICE #
11/30/2012	22978

BILL TO
Carrie Exploration & Development 210 West 22nd Street Hays, KS 67601

C

- Acidizing
- Cement
- Tool Rental

Cement 5 1/2 core

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3	John Roth C	Barton	SouthWind Drilling	Oil	Development	LongString	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
578D-L	Pump Charge - Long String - 3430 Feet				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				3	Gallon(s)	25.00	75.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
402-5	5 1/2" Centralizer				8	Each	70.00	560.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar				1	Each	2,400.00	2,400.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				150	Sacks	13.50	2,025.00T
276	Flocele				50	Lb(s)	2.00	100.00T
283	Salt				750	Lb(s)	0.20	150.00T
284	Calseal				7	Sack(s)	35.00	245.00T
286	Halad-1 (Halad 9)				70	Lb(s)	7.50	525.00T
581D	Service Charge Cement				150	Sacks	2.00	300.00
583D	Drayage				627	Ton Miles	1.00	627.00
	Subtotal							10,107.00
	Sales Tax Barton County						7.30%	525.60

*pd
12-17-12

3455*

Thank You For Your Business & Best Wishes For A Wonderful Holiday Season!!

Total \$10,632.60

JOB LOG

SWIFT Services, Inc.

DATE 11-30-12 PAGE NO.

CUSTOMER: *Carrie Exploration* WELL NO. *C#3* LEASE *John Roth* JOB TYPE *Long string* TICKET NO. *22978*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1630							on loc w/FE
								RTD 3430'
								5 1/2" x 15.5" x 3421' x 25'
								Cent. 1, 2, 3, 6, 8, 10, 15, 48
								Bask 49
								P.C. 49 @ 1584'
	1915							Start FE
	2145							Break Circ.
	2235	2.5	7					Plug RH 30sks EA-2 cement
	2240	5	0			150		Start KCL Flush
		5	5/0			150		Start 120sks EA-2 cement
	2247		30					End Cement
								Wash P/L
								Drop L.D. Plug
	2253	7	0			200		Start Displacement
		5				250		Catch Cement
	2305		81			200 1400		Land Plug
								Release Pressure
								Float Held

Thank you
Nick, David E., & Jeremy



Services, Inc.

CHARGE TO: Carrie Exploration
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET No **22978**

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Hays, KS</u>	<u>C293</u>	<u>John Roth</u>	<u>Barton</u>	<u>K5</u>		<u>11-30-12</u>	<u>same</u>
2. <u>Ness City, KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Southwind Drilling</u>	RIG NAME/NO.	SHIPPED VIA <u>RT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	WELL LOCATION
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>longstring</u>				
4.	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	4111				6.00	2466.00
578					Parap Charge Longstring	1.00	UM	3430'		1500.00	1500.00
221					KCL	3.00	UM			25.00	75.00
290					D-Air	2.00	UM			35.00	70.00
402					Centralizers	8.00	UM	5 1/2"		70.00	560.00
403					Basket	1.00	UM			250.00	250.00
404					Port collar	1.00	UM			2400.00	2400.00
406					LD Plug + Backfill	1.00	UM			250.00	250.00
407					Passer to Float Shoe w/ P11	1.00	UM			350.00	350.00
419					Rotating Head	1.00	UM			200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X DATE SIGNED 11-30-12 TIME SIGNED 2:30 AM PM

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?

YES NO

PAGE TOTAL 1	6135.00
Page 2	3972.00
Subtotal	10107.00
Barton Tax 7.3%	525.00
TOTAL	10,632.00

SWIFT OPERATOR Mark Hays APPROVAL Mark Hays

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!



PO Box 466,
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 22978

CUSTOMER *Carrie Exploration*

WELL *Chas John Roth*

DATE *11-30-12*

PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		DATE		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.	UM		
325		2				Standard Cement	150	sks			13.50	2025.00
276		2				Flocece	50	77			2.00	100.00
289		2				Salt	750	#			20	150.00
281		2				Calseed	7	sks			35.00	245.00
286		2				Halad-1	70	#			7.50	525.00
581		2				SEVICE CHARGE					2.00	300.00
583		2				MILEAGE CHARGE					1.00	627.00
						1500sks						
						LOADED MILES						
						80						
						CUBIC FEET						
						TON MILES						
						627						
CONTINUATION TOTAL											3972.00	