



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1303179
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- 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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1303179

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____
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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)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	Norman Klepper 36-2
Doc ID	1303179

Tops

Name	Top	Datum
Anhydrite	583	1242
B. Anhydrite	601	1224
Heebner	3012	-1187
Toronto	3027	-1202
Douglas	3043	-1218
Brown Lime	3140	-1315
Lansing	3155	-1330
BKC	3381	-1556
Arbuckle	3405	-1580
RTD	3500	-1675
LTD	3499	-1674



TREATMENT REPORT

Acid Stage No. _____

Date 11/22/2015 District G.B. F.O. No. C43535
 Company K&N Petroleum
 Well Name & No. Norman Klepper 36-2
 Location _____ Field _____
 County Barton State KS

Casing: Size 5.5" Type & Wt. 14.0# Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.

Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment: _____ Amt. _____ Type Fluid _____ Sand Size _____ Pounds of Sand _____

Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____

Treated from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0

Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.

Pump Trucks. No. Used: Std. 365 Sp. _____ Twin _____
 Auxiliary Equipment 360-310
 Personnel Nathan Scott Jordan
 Auxiliary Tools _____

Plugging or Sealing Materials: Type _____ Gals. _____ lb.

Company Representative Kyle and Ed Treater Nathan W.

TIME	PRESSURES		Total Fluid Pumped	REMARKS
	a.m./p.m.	Tubing		
7:00		5.5"		On Location. Rig laying down collars.
				Hole-3500' Baffle-3480'
				5.5"-3497' Centralizers-2,4,6,8,11
				Baskets-1,5
				Break circulation with mud pump. Circulate for 1 hour.
				Pump 600gal of mud-flush.
				Plug Rat Hole with 30sks 60/40poz
				Plug Mouse Hole with 20sks.
				Mix 200sks 60/40poz 2%gel 12%salt .75%C-47a .75%C-41p 5#/sk Gilsonite at 15.25#/gal.
				Wash out pump and lines.
1:45				Displace with 84.9bbbls at 5.25bpm-650# Plug landed at 850# Pressure up to 1400# Held. Released pressure and float held.
				Wash up.
				Thank You!
				Nathan W.



DRILL STEM TEST REPORT

Prepared For: **K&N Petroleum Inc.**

1105 Walnut
Great Bend KS. 67530

ATTN: Wyatt Urban

Norman Klepper #36-2

36-20s-12w Barton,KS

Start Date: 2015.11.19 @ 19:02:06

End Date: 2015.11.20 @ 01:06:36

Job Ticket #: 57926 DST #: 1

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

Printed: 2015.11.23 @ 09:17:17



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K&N Petroleum Inc.
 1105 Walnut
 Great Bend KS. 67530
 ATTN: Wyatt Urban

36-20s-12w Barton,KS
Norman Klepper #36-2
 Job Ticket: 57926 **DST#: 1**
 Test Start: 2015.11.19 @ 19:02:06

GENERAL INFORMATION:

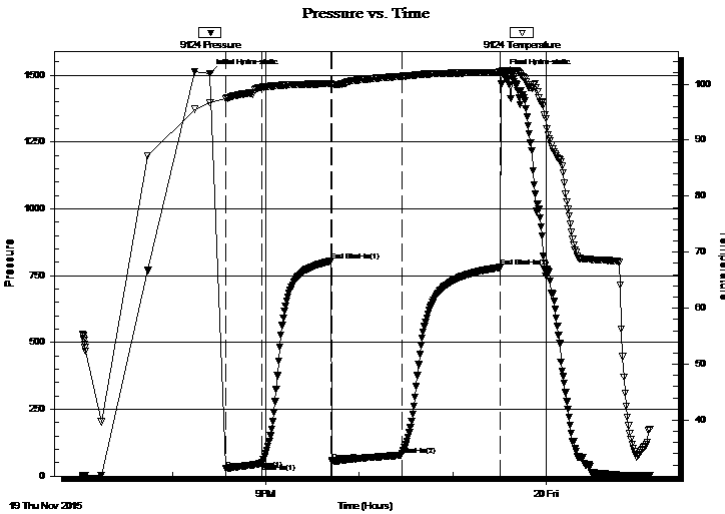
Formation: **LKC A - F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:34:06
 Time Test Ended: 01:06:36
 Interval: **3248.00 ft (KB) To 3242.00 ft (KB) (TVD)**
 Total Depth: 3242.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 80
 Reference Elevations: 1825.00 ft (KB)
 1815.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 9124 Outside

Press@RunDepth: 78.54 psig @ 3149.00 ft (KB)
 Start Date: 2015.11.19 End Date: 2015.11.20
 Start Time: 19:02:11 End Time: 01:06:35
 Capacity: 8000.00 psig
 Last Calib.: 2015.11.20
 Time On Btm: 2015.11.19 @ 20:24:06
 Time Off Btm: 2015.11.19 @ 23:32:21

TEST COMMENT: IF:Strong blow . B.O.B. in 10 mins.
 IS:Weak blow . 1/4 - 1/2".
 FF:Strong blow . B.O.B. in 1 min.
 FS:Weak blow . 1/4".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1506.45	96.75	Initial Hydro-static
10	27.53	97.33	Open To Flow (1)
34	49.38	99.43	Shut-In(1)
78	805.13	100.09	End Shut-In(1)
79	57.02	99.89	Open To Flow (2)
123	78.54	101.39	Shut-In(2)
187	781.13	102.14	End Shut-In(2)
189	1506.25	102.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	756 ft.of GIP	0.00
80.00	GOCM 46&g 17%o 37%m	1.12
63.00	GOCM 13%g 43%o 44%m	0.88

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K&N Petroleum Inc.
1105 Walnut
Great Bend KS. 67530
ATTN: Wyatt Urban

36-20s-12w Barton,KS
Norman Klepper #36-2
Job Ticket: 57926 **DST#: 1**
Test Start: 2015.11.19 @ 19:02:06

Tool Information

Drill Pipe:	Length: 3148.00 ft	Diameter: 3.80 inches	Volume: 44.16 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 49000.00 lb
			<u>Total Volume: 44.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3148.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	94.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3129.00	
Shut In Tool	5.00			3134.00	
Hydraulic tool	5.00			3139.00	
Packer	4.00			3143.00	20.00 Bottom Of Top Packer
Packer	5.00			3148.00	
Stubb	1.00			3149.00	
Recorder	0.00	9124	Outside	3149.00	
Recorder	0.00	6798	Inside	3149.00	
Perforations	6.00			3155.00	
Blank Spacing	63.00			3218.00	
Perforations	19.00			3237.00	
Bullnose	5.00			3242.00	94.00 Bottom Packers & Anchor

Total Tool Length: 114.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K&N Petroleum Inc.
1105 Walnut
Great Bend KS. 67530
ATTN: Wyatt Urban

36-20s-12w Barton,KS
Norman Klepper #36-2
Job Ticket: 57926 **DST#: 1**
Test Start: 2015.11.19 @ 19:02:06

Mud and Cushion Information

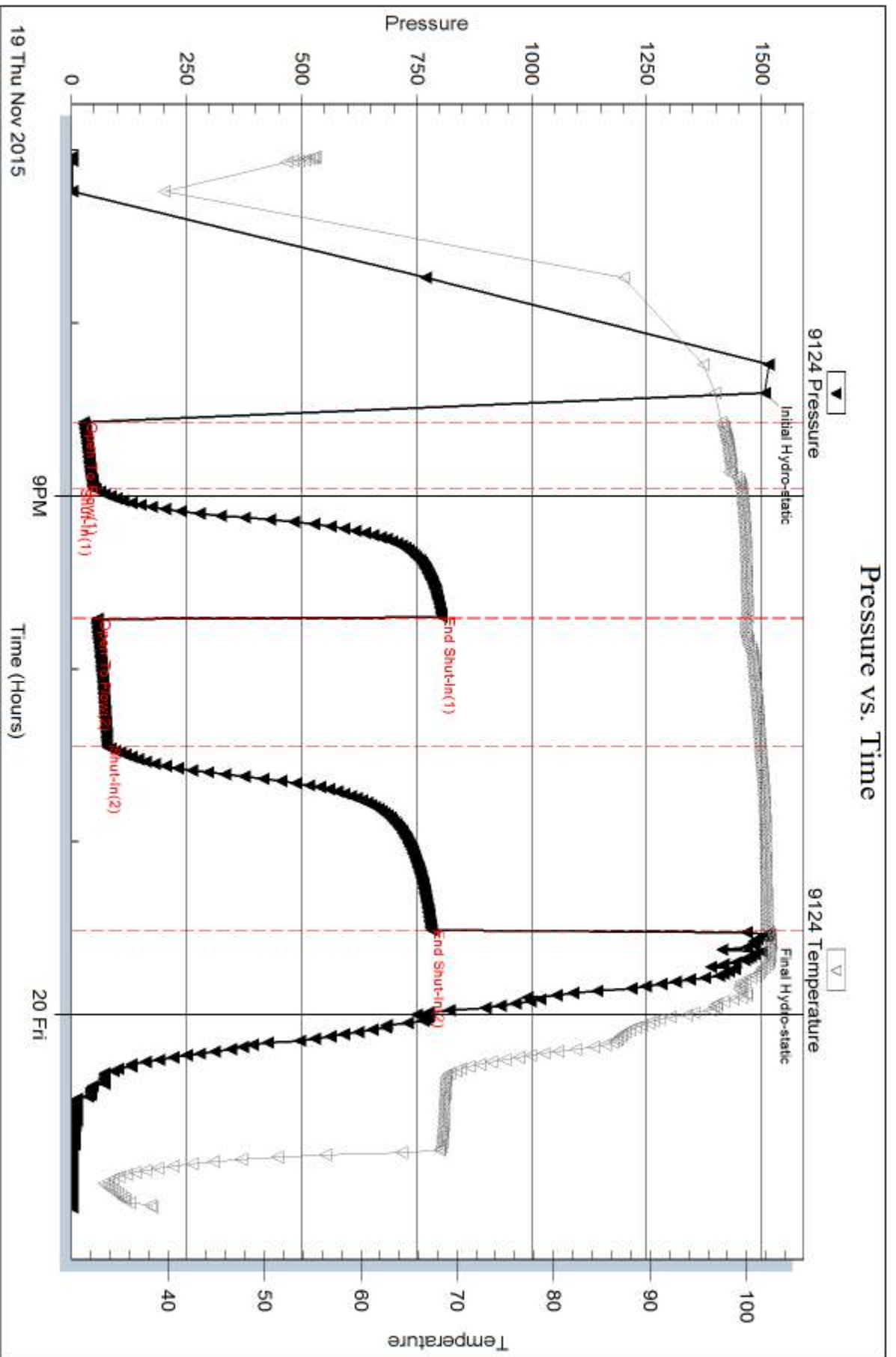
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	2000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	756 ft.of GIP	0.000
80.00	GOCM 46&g 17%o 37%m	1.122
63.00	GOCM 13%g 43%o 44%m	0.884

Total Length: 143.00 ft Total Volume: 2.006 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:



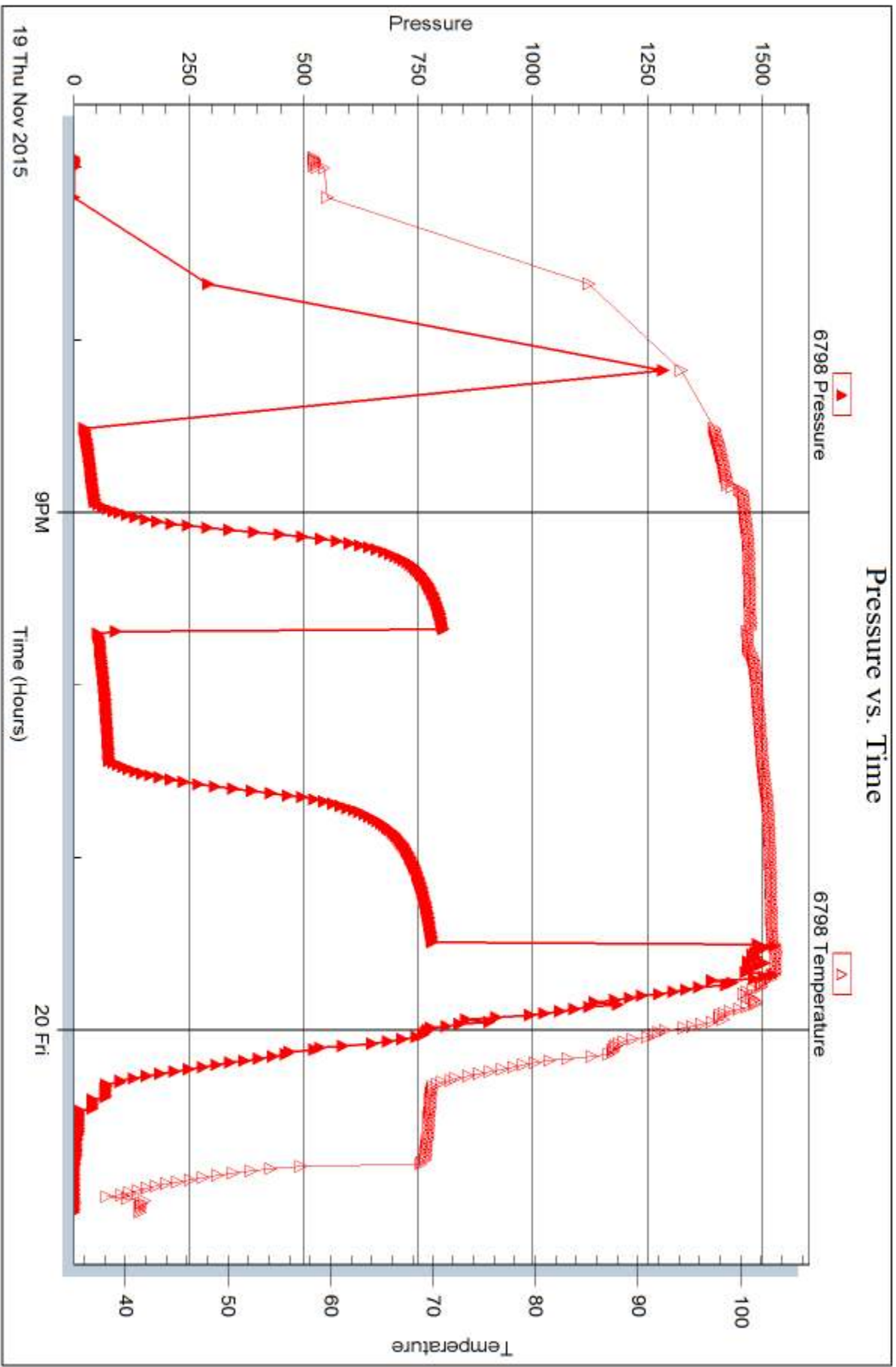
Serial #: 6798

Inside

K&N Petroleum Inc.

Norman Klepper #36-2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57926

Printed: 2015.11.23 @ 09:17:18



DRILL STEM TEST REPORT

Prepared For: **K&N Petroleum Inc.**

1105 Walnut
Great Bend KS. 67530

ATTN: Wyatt Urban

Norman Klepper #36-2

36-20s-12w Barton,KS

Start Date: 2015.11.20 @ 12:37:53

End Date: 2015.11.20 @ 20:49:08

Job Ticket #: 57927 DST #: 2

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

Printed: 2015.11.23 @ 09:25:27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K&N Petroleum Inc.
 1105 Walnut
 Great Bend KS. 67530
 ATTN: Wyatt Urban

36-20s-12w Barton,KS
Norman Klepper #36-2
 Job Ticket: 57927 **DST#: 2**
 Test Start: 2015.11.20 @ 12:37:53

GENERAL INFORMATION:

Formation: **LKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:51:53
 Time Test Ended: 20:49:08
 Interval: **3285.00 ft (KB) To 3365.00 ft (KB) (TVD)**
 Total Depth: 3365.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Gary Pevoteaux
 Unit No: 80
 Reference Elevations: 1825.00 ft (KB)
 1815.00 ft (CF)
 KB to GR/CF: 10.00 ft

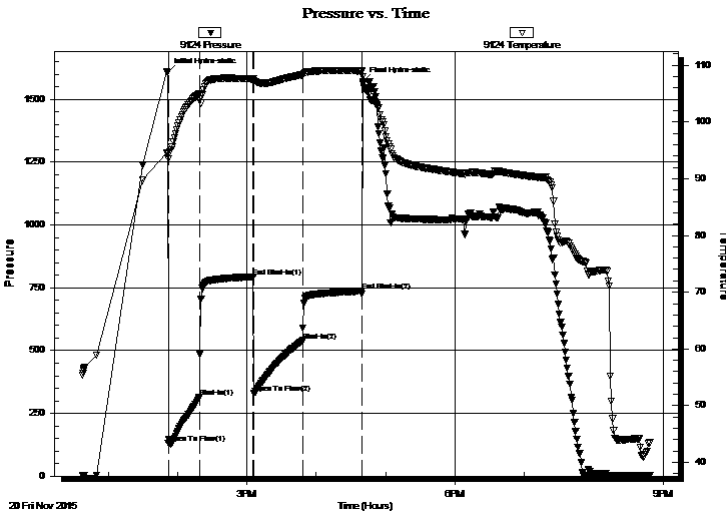
Serial #: 9124

Outside

Press@RunDepth: 539.71 psig @ 3286.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.11.20 End Date: 2015.11.20 Last Calib.: 2015.11.20
 Start Time: 12:37:58 End Time: 20:49:07 Time On Btm: 2015.11.20 @ 13:51:08
 Time Off Btm: 2015.11.20 @ 16:40:38

TEST COMMENT: IF:Strong blow . B.O.B. in 48 secs. GTS in 14 mins. (see gas flow report)
 IS:Strong blow . B.O.B.
 FF:Strong blow . B.O.B. in 40 secs. Gas rate TSTM
 FS:Strong blow . B.O.B.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1607.96	94.56	Initial Hydro-static
1	130.36	93.56	Open To Flow (1)
28	313.83	104.95	Shut-In(1)
75	794.03	107.56	End Shut-In(1)
75	328.82	107.33	Open To Flow (2)
117	539.71	108.31	Shut-In(2)
168	736.94	108.95	End Shut-In(2)
170	1571.18	106.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2085.00	CGO 41%g 59%o	29.25
120.00	GMCO 28%g 30%m 42%o	1.68
0.00	GTS	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	26.02
Last Gas Rate	0.25	2.00	26.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K&N Petroleum Inc.
1105 Walnut
Great Bend KS. 67530
ATTN: Wyatt Urban

36-20s-12w Barton,KS
Norman Klepper #36-2
Job Ticket: 57927 **DST#: 2**
Test Start: 2015.11.20 @ 12:37:53

Tool Information

Drill Pipe:	Length: 3276.00 ft	Diameter: 3.80 inches	Volume: 45.95 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 45.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3285.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	100.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3266.00	
Shut In Tool	5.00			3271.00	
Hydraulic tool	5.00			3276.00	
Packer	4.00			3280.00	20.00 Bottom Of Top Packer
Packer	5.00			3285.00	
Stubb	1.00			3286.00	
Recorder	0.00	9124	Outside	3286.00	
Recorder	0.00	6798	Inside	3286.00	
Perforations	6.00			3292.00	
Blank Spacing	63.00			3355.00	
Perforations	5.00			3360.00	
Bullnose	5.00			3365.00	80.00 Bottom Packers & Anchor

Total Tool Length: 100.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K&N Petroleum Inc.
1105 Walnut
Great Bend KS. 67530
ATTN: Wyatt Urban

36-20s-12w Barton,KS
Norman Klepper #36-2
Job Ticket: 57927 **DST#: 2**
Test Start: 2015.11.20 @ 12:37:53

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38.1 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 3000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.18 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 0.20 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2085.00	CGO 41%g 59%o	29.247
120.00	GMCO 28%g 30%m 42%o	1.683
0.00	GTS	0.000

Total Length: 2205.00 ft Total Volume: 30.930 bbl
Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: gp-2
Laboratory Name: Caraway Laboratory Location: Liberal, KS
Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

K&N Petroleum Inc.

36-20s-12w Barton,KS

1105 Walnut
Great Bend KS. 67530

Norman Klepper #36-2

Job Ticket: 57927

DST#: 2

ATTN: Wyatt Urban

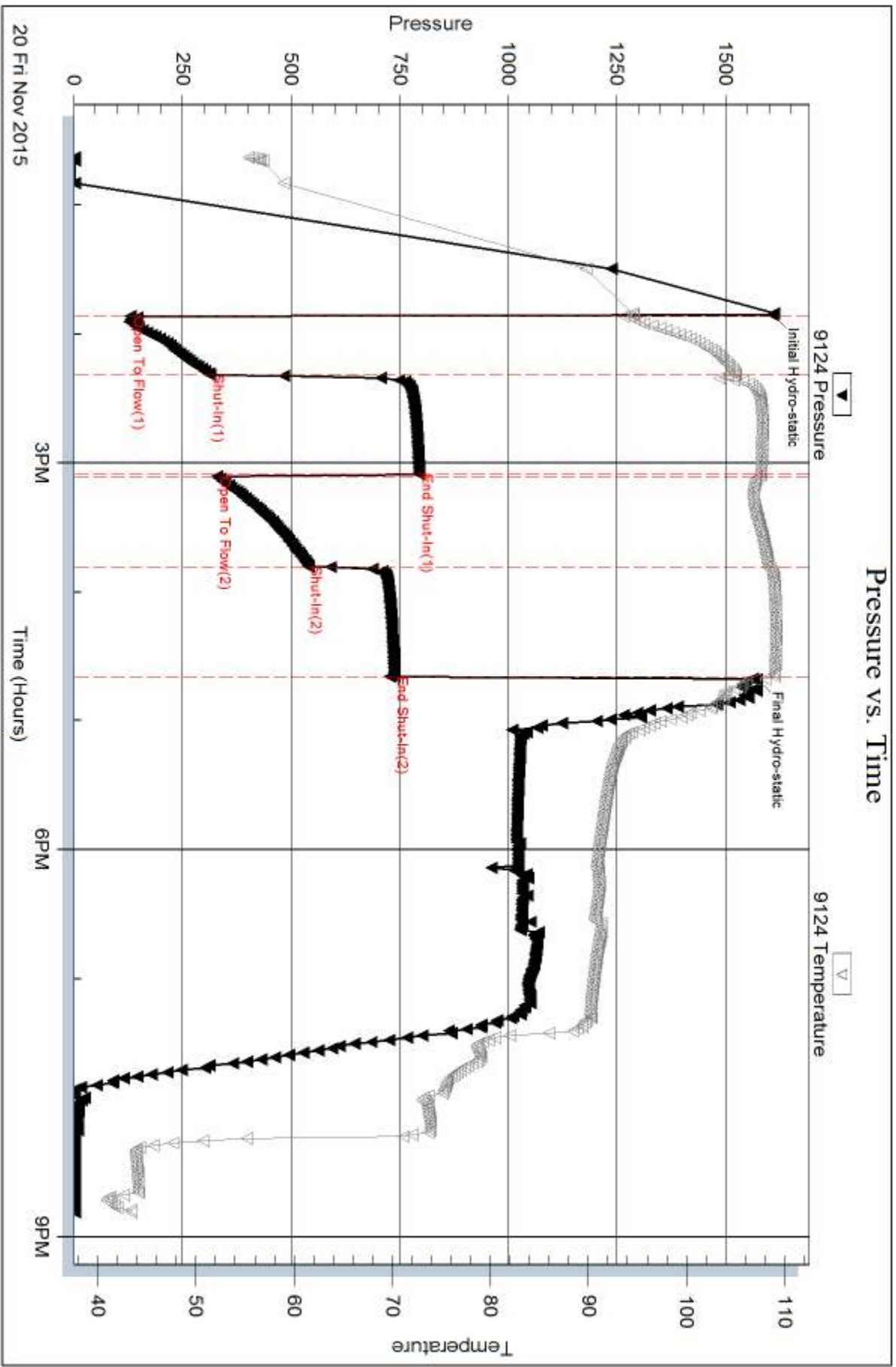
Test Start: 2015.11.20 @ 12:37:53

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.25	2.00	26.02
1	20	0.25	2.00	26.02



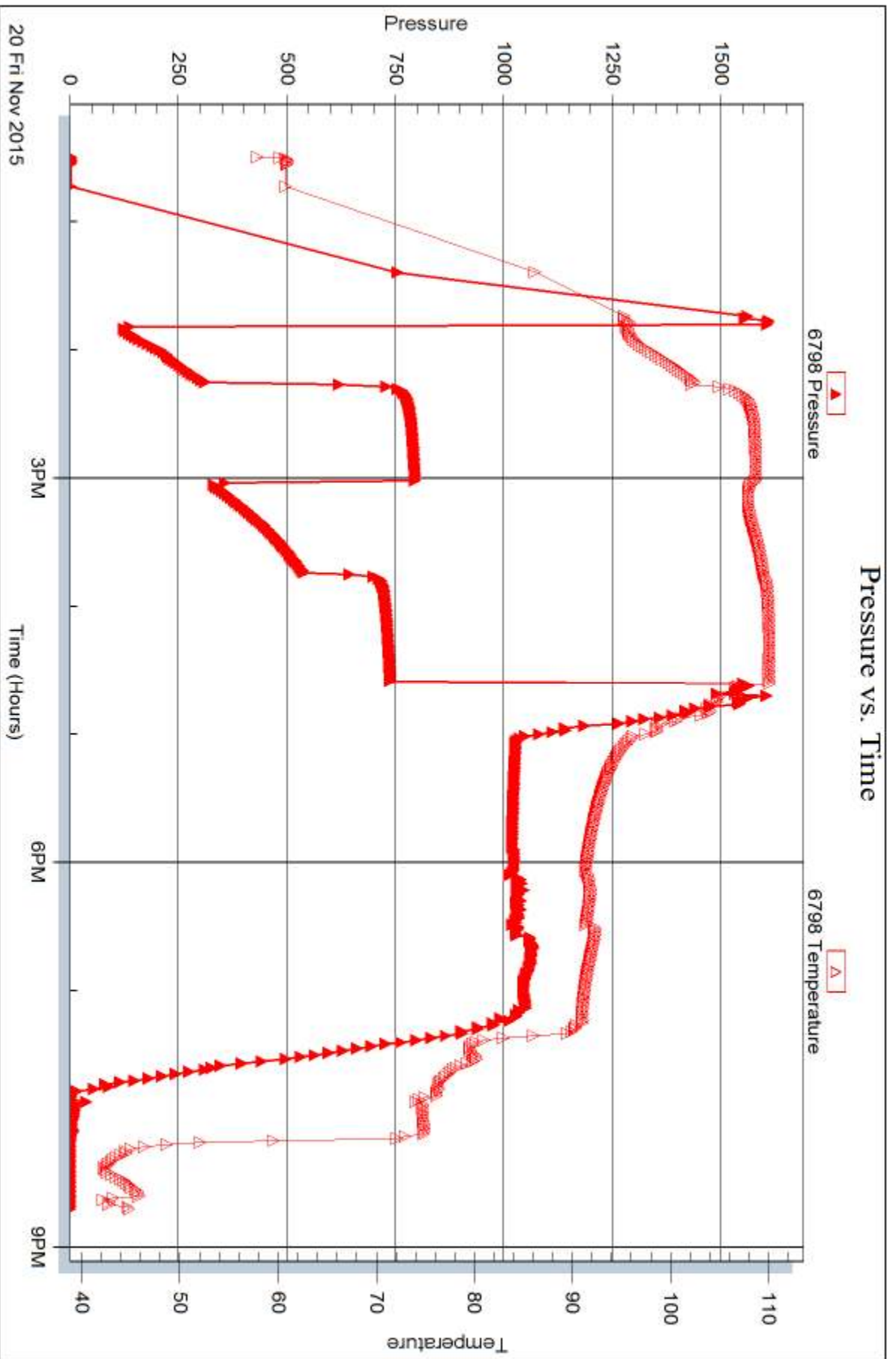
Serial #: 6798

Inside

K&N Petroleum Inc.

Norman Klepper #36-2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 57927

Printed: 2015.11.23 @ 09:25:29



DRILL STEM TEST REPORT

Prepared For: **K&N Petroleum Inc.**

1105 Walnut
Great Bend KS. 67530

ATTN: Wyatt Urban

Norman Klepper #36-2

36-20s-12w Barton,KS

Start Date: 2015.11.21 @ 06:39:47

End Date: 2015.11.21 @ 13:55:47

Job Ticket #: 57928 DST #: 3

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

Printed: 2015.11.23 @ 09:11:10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K&N Petroleum Inc.
1105 Walnut
Great Bend KS. 67530
ATTN: Wyatt Urban

36-20s-12w Barton,KS
Norman Klepper #36-2
Job Ticket: 57928 **DST#: 3**
Test Start: 2015.11.21 @ 06:39:47

Tool Information

Drill Pipe:	Length: 3369.00 ft	Diameter: 3.80 inches	Volume: 47.26 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 47.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3356.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3337.00	
Shut In Tool	5.00			3342.00	
Hydraulic tool	5.00			3347.00	
Packer	4.00			3351.00	20.00 Bottom Of Top Packer
Packer	5.00			3356.00	
Stubb	1.00			3357.00	
Recorder	0.00	9124	Outside	3357.00	
Recorder	0.00	6798	Inside	3357.00	
Perforations	6.00			3363.00	
Blank Spacing	32.00			3395.00	
Perforations	23.00			3418.00	
Bullnose	5.00			3423.00	67.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K&N Petroleum Inc.

36-20s-12w Barton,KS

1105 Walnut
Great Bend KS. 67530

Norman Klepper #36-2

Job Ticket: 57928

DST#: 3

ATTN: Wyatt Urban

Test Start: 2015.11.21 @ 06:39:47

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:

4000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1325 ft.of GIP	0.000
230.00	GMCO 25%g 8%m 67%o	3.226

Total Length: 230.00 ft Total Volume: 3.226 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

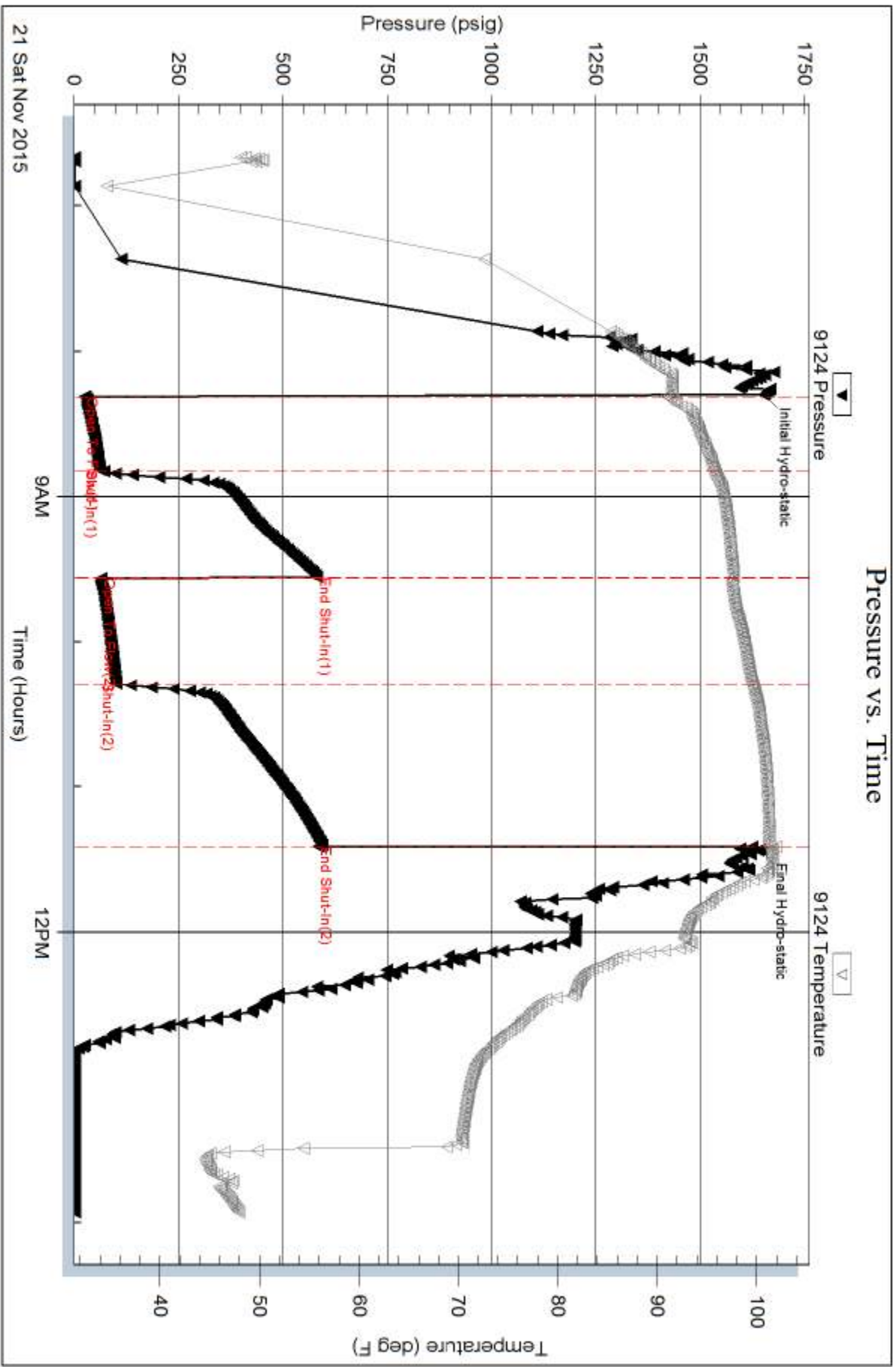
Recovery Comments:

Serial #: 9124

Outside K&N Petroleum Inc.

Norman Klepper #36-2

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 57928

Printed: 2015.11.23 @ 09:11:11

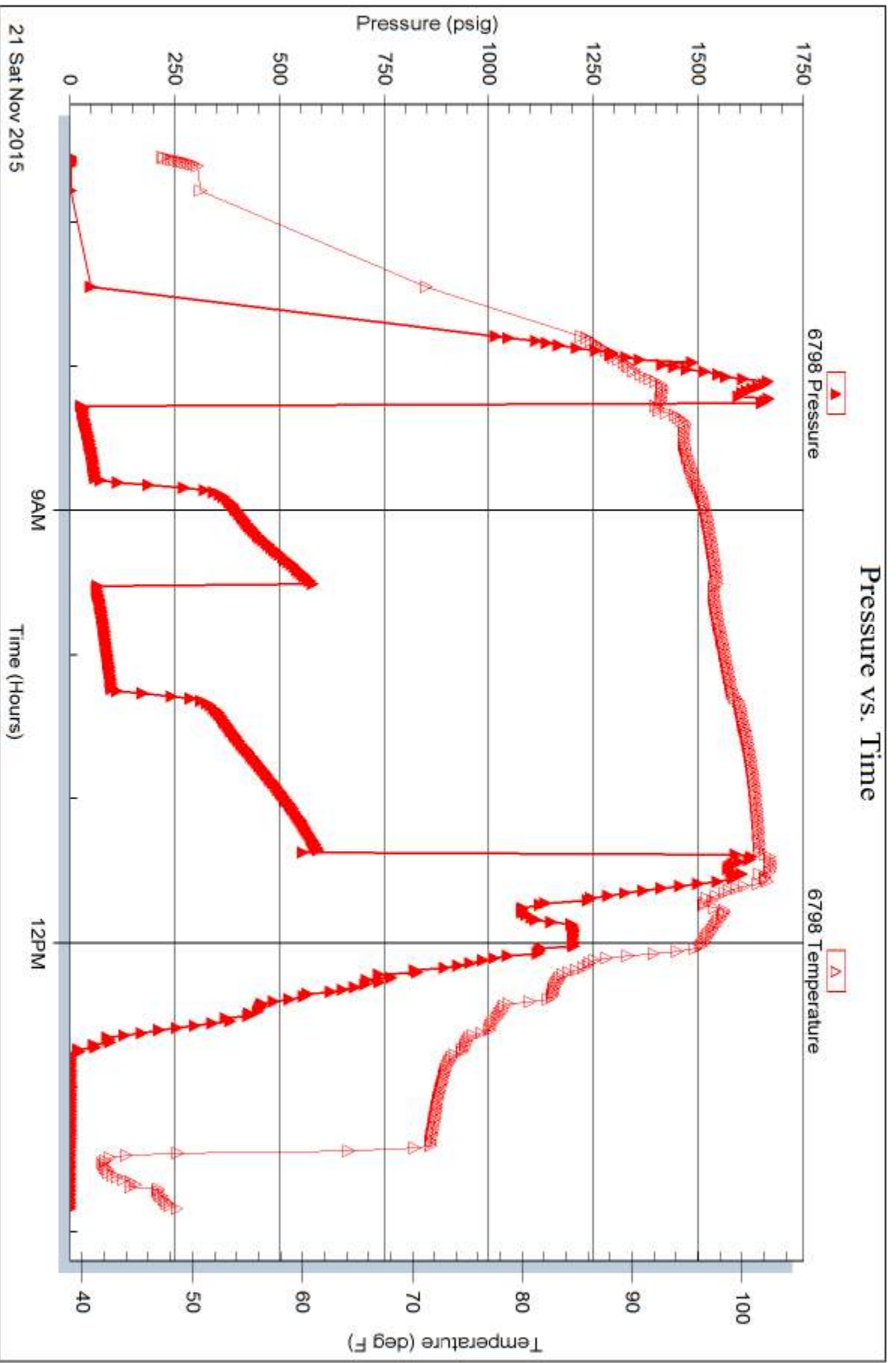
Serial #: 6798

Inside

K&N Petroleum Inc.

Norman Klepper #36-2

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57926

4/10

Well Name & No. JORMAN KLEPPER # 36-2 Test No. 1 Date 11-19-15
 Company K & N PETROLEUM INC. Elevation 1825 KB 1815 GL
 Address 1105 WALNUT, GREAT BEND KS. 67530
 Co. Rep / Geo. WYATT URBAN Rig SOUTHWIND DRILG. #1
 Location: Sec. 36 Twp. 20S Rge. 12W Co. BARTON State Ks.

Interval Tested 3148 - 3242' Zone Tested LANS A-F
 Anchor Length 94' Drill Pipe Run 3148' Mud Wt. 90
 Top Packer Depth 3143' Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3148' Wt. Pipe Run 0 WL 8.00
 Total Depth 3242' Chlorides 2000 ppm System LCM 1#
 Blow Description IF: Strong below. B.O.B. in 10 mins. FSI: Weak below. 1/4 - 1/2"
FF: Strong below. B.O.B. in 1 min. FSI: Weak below. 1/4"

Rec	Feet of	%gas	%oil	%water	%mud
<u>756</u>	<u>Gas in pipe</u>				
<u>80</u>	<u>GOCM</u>	<u>46</u>	<u>17</u>	<u>37</u>	
<u>63</u>	<u>GOCM</u>	<u>13</u>	<u>43</u>	<u>44</u>	

Rec Total 143 BHT 102° Gravity N/A API RW N.C. @ ~ ° F Chlorides 2000 ppm
 (A) Initial Hydrostatic 1506 Test 1050 T-On Location 1804
 (B) First Initial Flow 28 Jars _____ T-Started 1902
 (C) First Final Flow 49 Safety Joint _____ T-Open 2034 ~~1906~~
 (D) Initial Shut-In 805 Circ Sub _____ T-Pulled 2335
 (E) Second Initial Flow 57 Hourly Standby _____ T-Out 0106
 (F) Second Final Flow 79 Mileage 104 32 Comments _____
 (G) Final Shut-In 781 Sampler _____
 (H) Final Hydrostatic 1506 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1082
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1082

Approved By _____

Our Representative Cary [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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57927

4/10

Well Name & No. NORMAN KLEPPER # 36-2 Test No. 2 Date 11-20-15
 Company K&N PETROLEUM INC. Elevation 1825 KB 1815 GL
 Address 1105 WALNUT, GREAT BEND, KS. 67530
 Co. Rep / Geo. WYATT URBAN Rig SOUTHWIND DRIG. #1
 Location: Sec. 36 Twp. 20^S Rge. 12^W Co. BARTON State KS.

Interval Tested 3285 - 3365 Zone Tested LANS.
 Anchor Length 80' Drill Pipe Run 3276' Mud Wt. 9.2
 Top Packer Depth 3280 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 3285 Wt. Pipe Run 0 WL 82cc
 Total Depth 3365 Chlorides 3000 ppm System LCM #

Blow Description IF: Strong blow. B.O.B. in 48 secs. GTS in 14 mins. (see gas volume report)
ISI: Strong blow. B.O.B.
FF: Strong blow. B.O.B. in 40 secs. Gas flow rate TSTM
FSI: Strong blow. B.O.B.

Rec	Feet of	%gas	%oil	%water	%mud
2085	Feet of <u>Chen gassey Oil</u>	41	59		
120	Feet of <u>GMCO</u>	28	42		30
	Feet of	%gas	%oil	%water	%mud
	Feet of	%gas	%oil	%water	%mud
	Feet of	%gas	%oil	%water	%mud

Rec Total 2205 Fluid BHT 109° Gravity 38.1 API RW N.C. @ ° F Chlorides 3000 ppm

(A) Initial Hydrostatic	<u>1608</u>	<input checked="" type="checkbox"/> Test	<u>1050</u>	T-On Location	<u>1218</u>
(B) First Initial Flow	<u>130</u>	<input type="checkbox"/> Jars		T-Started	<u>1237</u>
(C) First Final Flow	<u>314</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>1351</u>
(D) Initial Shut-In	<u>294</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>1639</u>
(E) Second Initial Flow	<u>329</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>2049</u>
(F) Second Final Flow	<u>540</u>	<input checked="" type="checkbox"/> Mileage	<u>1049</u> 32	Comments	
(G) Final Shut-In	<u>737</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1571</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

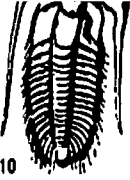
Sub Total 1082

Total 1082

MP/DST Disc't _____

Approved By _____ Our Representative Greg P. [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57928

4/10

Well Name & No. NORMAN KLEPPER #36-2 Test No. 3 Date 11-21-15
 Company KEN PETROLEUM INC. Elevation 1825 KB 1815 GL
 Address 1105 WALNUT, GREAT BEND KS. 67530
 Co. Rep / Geo. WYATT URBAN Rig SOUTHWIND DRIG. #1
 Location: Sec. 36 Twp. 20S Rge. 12W Co. BARTON State Ks.

Interval Tested 3356 - 3423' Zone Tested ARBUCKLE
 Anchor Length 67' Drill Pipe Run 3369' Mud Wt. 9.2
 Top Packer Depth 3351' Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3356' Wt. Pipe Run 0 WL 0.8 cc
 Total Depth 3423' Chlorides 4,000 ppm System LCM 1#
 Blow Description IF: Strong blow. B.O.B. in 7 mins. IST: Weak blow. 1/4"

FF: Strong blow. B.O.B. in 7-8 mins. FST: Weak blow. 1-3"

Rec	Feet of	%gas	%oil	%water	%mud
<u>1325</u>	<u>Gas in pipe</u>				
<u>230</u>	<u>GMCO</u>	<u>25</u>	<u>67</u>	<u>8</u>	

Rec Total 230 Fluid BHT 101° Gravity N/C API RW N.C. @ ~ °F Chlorides 4,000 ppm
 (A) Initial Hydrostatic 1653 Test 1050 T-On Location 0611
 (B) First Initial Flow 25 Jars _____ T-Started 0639
 (C) First Final Flow 62 Safety Joint _____ T-Open 0818
 (D) Initial Shut-In 582 Circ Sub 50 T-Pulled 1120
 (E) Second Initial Flow 66 Hourly Standby _____ T-Out 1355
 (F) Second Final Flow 102 Mileage 104.7 32 Comments _____
 (G) Final Shut-In 585 Sampler _____
 (H) Final Hydrostatic 1644 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1132
 Accessibility _____ MR/DST Disc't _____
 Sub Total 1132

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Approved By _____ Our Representative Gary Swanson

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