



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1252928
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: _____



1252928

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: 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

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Koron Investments, Inc.
Well Name	Baughner A 4-29
Doc ID	1252928

Tops

Name	Top	Datum
ANHYDRITE	1705	+616
TOPEKA	3347	-1033
HEEBNER SHALE	3566	-1251
TORONTO	3584	-1270
LKC	3601	-1286
BKC	3838	-1523
MARMATON	3903	-1587
ARBUCKLE	3978	-1662

ALLIED OIL & GAS SERVICES, LLC 055587

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell KS

DATE <u>12-11-14</u>	SEC. <u>23</u>	TWP. <u>12</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30 PM</u>	JOB FINISH <u>10:00 PM</u>
LEASE <u>Baughman</u> WELL# <u>4-29</u>		LOCATION <u>I-70-Rigs Rd-4N 12E</u>		COUNTY <u>Trego</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>				<u>Sinto</u>			

CONTRACTOR Discovery 2

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 221

CASING SIZE 8 5/8 23" DEPTH 220

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT KJ

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT 13

OWNER

CEMENT AMOUNT ORDERED 150 con 32acc 29gal.

COMMON	<u>150</u>	@	<u>17.90</u>	<u>2685.00</u>
POZMIX		@		
GEL	<u>282</u>	@	<u>0.50</u>	<u>141.00</u>
CHLORIDE	<u>423</u>	@	<u>1.10</u>	<u>465.30</u>
ASC		@		

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y

417 HELPER Danny S Tracy J

BULK TRUCK

410 DRIVER Jon P

BULK TRUCK

DRIVER

<u>Material</u>	@		<u>3291.30</u>
<u>Disc</u>	@	<u>1151.96</u>	
HANDLING <u>150</u>	@	<u>2.48</u>	<u>372.00</u>
MILEAGE <u>176.25</u>		<u>2.75</u>	<u>484.69</u>
TOTAL			<u>4447.99</u>

REMARKS:

See log

Cement did circulate to surface

Thank you!!!

CHARGE TO: Korea Investments, Inc

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>221</u>		
PUMP TRUCK CHARGE	<u>1512.25</u>		
EXTRA FOOTAGE	@		
MILEAGE <u>25 LV MI</u>	@	<u>4.40</u>	<u>110.00</u>
MANIFOLD	@		
<u>2.5 HV MI</u>	@	<u>7.70</u>	<u>192.50</u>
TOTAL			<u>2671.44</u>
<u>Disc 935.00</u>			<u>1814.75</u>

PLUG & FLOAT EQUIPMENT

_____	@		
_____	@		
_____	@		
_____	@		
_____	@		
TOTAL			_____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cement 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.

PRINTED NAME Terry Wickham

SIGNATURE [Signature]

SALES TAX (if Any) _____

TOTAL CHARGES 2962.74

DISCOUNT 2086.96 35% IF PAID IN 30 DAYS

net \$3875.78

CUSTOMER *Waco Oil Co* WELL NO. *A 4-29* LEASE *Bougher* JOB TYPE *Longstring* TICKET NO. *26920*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	<i>2300</i>							<i>07/0c w/FE</i>
								<i>RTD 4092'</i> <i>5 1/2" x 14# x 4092' x 44'</i> <i>Cent 2,4,5,55</i> <i>Back 56</i> <i>P.C. 56 @ 1720'</i>
	<i>0130</i>							<i>start FE</i>
	<i>0340</i>							<i>Break Circ</i>
	<i>0415</i>							<i>Plug RH+MH</i>
	<i>0435</i>		<i>0</i>					<i>start 500gal Mud flush</i>
	<i>0435</i>		<i>12/0</i>					<i>start 20 bbl KCL flush</i>
	<i>0440</i>		<i>20/0</i>					<i>start 155s ks std cent</i>
	<i>0447</i>		<i>33</i>					<i>End Cement</i> <i>Wash P/L</i> <i>Drop L.D Plug</i>
	<i>0453</i>	<i>6</i>	<i>0</i>			<i>200</i>		<i>start Displacement</i>
	<i>0503</i>	<i>5</i>	<i>64</i>			<i>250</i>		<i>Catch Cent</i>
	<i>0510</i>		<i>99</i>			<i>250</i> <i>446</i>		<i>Land Plug</i> <i>Release Pressure</i> <i>Float Held</i>

Thank you

Nick, David E., Austin & Jared



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

TICKET CONTINUATION
Deren Investments
Farms, LLC

TICKET No. 26920

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL # 298aug10-A "1"				DATE	UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M			

325		2				Staddid Cornst	200	SKS				14	50	2900.00
280 283		2				Salt	850	#				30		170.00

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL # 298aug10-A "1"				DATE	UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY	U/M	QTY	U/M				
581		2												
583		2												

SERVICE CHARGE
 MILEAGE CHARGE
 TOTAL WEIGHT
 19650
 LOADED MILES
 410
 CUBIC FEET
 200545
 TON MILES
 393
 CONTINUATION TOTAL
 3863.01



Services, Inc.

CHARGE TO: James Pitts
 ADDRESS: Sharon Investments
 CITY, STATE, ZIP CODE

TICKET 26920
 PAGE 1 OF 2

1. SERVICE LOCATIONS: Hayes, KS
 2. Ness City, KS
 3. WELL/PROJECT NO: 44-29 LEASE: Baugher A COUNTY/PARISH: Ellis STATE: KS CITY: Location
 TICKET TYPE: SERVICE SALES CONTRACTOR: Discovery Drilling #2 RIG NAME NO.: CT
 WELL TYPE: Oil WELL CATEGORY: Development JOB PURPOSE: Longstring
 4. REFERRAL LOCATION: Oil INVOICE INSTRUCTIONS: Development

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #111	40 mi				6.00	240.00
578		1			Pump Charge (Longstring)	1 cu		4092'		1500.00	1500.00
221		1			KCB	2 gal				25.00	50.00
281		1			MudPloss	500 gal				1.25	625.00
290		1			D-Air	2 gal				42.00	84.00
402		1			Centralizers	4 ea		5 1/2"		70.00	280.00
403		1			Basket	1 ea				300.00	300.00
404		1			Port Collar	1 ea				2900.00	2900.00
406		1			LD Plug Back	1 ea				275.00	275.00
409		1			Insert Flange Shoe w/ Ell	1 ea				375.00	375.00

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.

START OF WORK OR DELIVERY OF GOODS: 12-18-14 TIME SIGNED: 8:00 P.M.

DATE SIGNED: 12-18-14 TIME SIGNED: 8:00 P.M.

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? CUSTOMER DID NOT WISH TO RESPOND

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

PAGE TOTAL: 1
 SUBTOTAL: 10992.00
 TAX: 529.22
 TOTAL: 11021.22

SWIFT OPERATOR: [Signature] APPROVAL: [Signature]

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

Thank You

GLOBAL CEMENTING, L.L.C.

1574

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
12-29-14	"A"						
LEASE # <u>BAYGHER</u>	WELL #. <u>4-29</u>	LOCATION				COUNTY <u>LIN</u>	STATE <u>KS</u>
<input checked="" type="checkbox"/> OLD OR <input type="checkbox"/> NEW (CIRCLE ONE)							

CONTRACTOR Western Well Serv
 TYPE OF JOB Port Collar
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH _____
 TUBING SIZE 2 7/8 DEPTH 1750
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 1000 psi. MINIMUM 100 psi.
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS _____
 DISPLACEMENT 8 bbl
 EQUIPMENT _____

PUMP TRUCK CEMENTER Heath - Brad
 # P1 HELPER Bud
 BULK TRUCK _____
 # B3 DRIVER Mark
 BULK TRUCK _____
 # _____ DRIVER _____

REMARKS:

ran tubing down to 1750' and found PC pressure up backside to 1000 psi - held - open port collar and est circulation - mix 275 sy and cement circulated - disp 8 bbl H₂O - close port collar and test to 1000 psi - held - run 5 sts and wash clean - come out of hole plug RT = 10 sy MH = 5 sy

CHARGE TO: KORON INVESTMENTS INC.
 STREET BOX 981
 CITY HAYS STATE KS ZIP 67601

Global Cementing, L.L.C.,
 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.

PRINTED NAME Terry W. Piestker
 SIGNATURE Terry W. Piestker

OWNER _____
 CEMENT AMOUNT ORDERED 275 sy 60/40 6% gel
290cc

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____
 TOTAL _____

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 16 @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

Prepared For: **Koron Investments Inc.**

P.O. Box 981
Hays, KS 67601

ATTN: Mark Downing

Baughner A #4-29

23-12s-21w-Trego,KS

Start Date: 2014.12.15 @ 14:00:00

End Date: 2014.12.15 @ 20:54:00

Job Ticket #: 60421 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.19 @ 10:35:37

Koron Investments Inc. 23-12s-21w-Trego,KS Baughner A #4-29 DST # 1 LKC "H-K" 2014.12.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Koron Investments Inc.

23-12s-21w-Trego, KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60421 DST#: 1

ATTN: Mark Downing

Test Start: 2014.12.15 @ 14:00:00

GENERAL INFORMATION:

Formation: **LKC "H-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:02:30

Time Test Ended: 20:54:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 56

Interval: **3730.00 ft (KB) To 3821.00 ft (KB) (TVD)**

Total Depth: 3821.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2313.00 ft (KB)

2307.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6806 Inside

Press@RunDepth: 76.52 psig @ 3817.08 ft (KB)

Start Date: 2014.12.15 End Date: 2014.12.15

Start Time: 14:01:00 End Time: 20:54:00

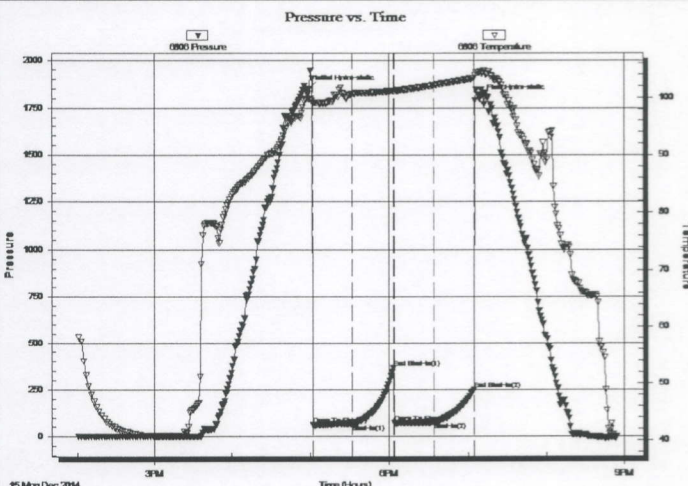
Capacity: 8000.00 psig

Last Calib.: 2014.12.15

Time On Btm: 2014.12.15 @ 16:59:30

Time Off Btm: 2014.12.15 @ 19:09:30

TEST COMMENT: IFP 30 Minutes. Weak blow built to 1 1/2" into bucket of deisel.
ISI 30 Minutes. No blow back.
FFP 30 Minutes. Weak blow built to 2"
FSI 30 Minutes. No blow back.



PRESSURE SUMMARY

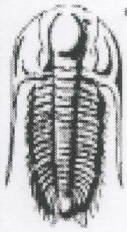
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1848.93	99.90	Initial Hydro-static
3	61.27	98.97	Open To Flow (1)
33	67.84	100.70	Shut-In(1)
64	366.69	101.26	End Shut-In(1)
65	70.71	101.24	Open To Flow (2)
95	76.52	102.21	Shut-In(2)
125	251.52	103.39	End Shut-In(2)
130	1798.66	104.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SOWCM 2.5% oil, 2.5% water, 95% mud	0.20

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Koron Investments Inc.

23-12s-21w-Trego, KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60421

DST#: 1

ATTN: Mark Downing

Test Start: 2014.12.15 @ 14:00:00

GENERAL INFORMATION:

Formation: **LKC "H-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:02:30

Time Test Ended: 20:54:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 56

Interval: **3730.00 ft (KB) To 3821.00 ft (KB) (TVD)**

Total Depth: 3821.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2313.00 ft (KB)

2307.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8159 Outside

Press@RunDepth: 257.49 psig @ 3818.08 ft (KB)

Start Date: 2014.12.15 End Date: 2014.12.15

Start Time: 14:01:00 End Time: 20:55:00

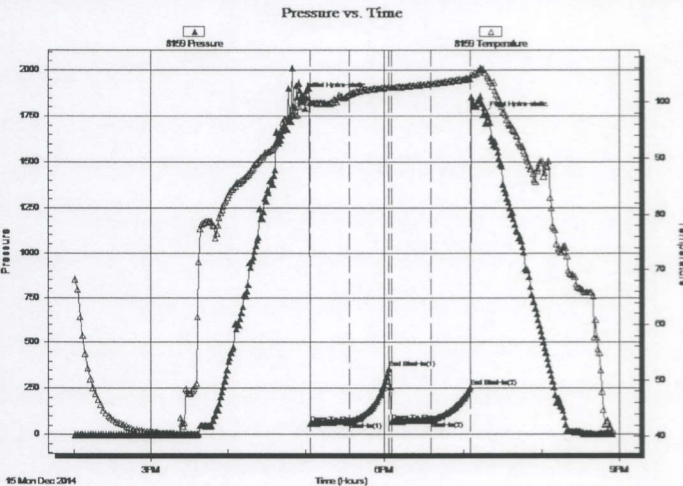
Capacity: 8000.00 psig

Last Calib.: 2014.12.15

Time On Btm: 2014.12.15 @ 16:56:30

Time Off Btm: 2014.12.15 @ 19:15:30

TEST COMMENT: IFP 30 Minutes. Weak blow built to 1 1/2" into bucket of deisel.
ISI 30 Minutes. No blow back.
FFP 30 Minutes. Weak blow built to 2"
FSI 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1857.02	100.62	Initial Hydro-static
7	57.08	99.91	Open To Flow (1)
37	67.19	101.38	Shut-In(1)
67	358.73	102.65	End Shut-In(1)
69	68.35	102.60	Open To Flow (2)
99	76.25	103.27	Shut-In(2)
129	257.49	104.20	End Shut-In(2)
139	1757.11	105.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SOWCM 2.5% oil, 2.5% water, 95% mud	0.20

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Koron Investments Inc.

23-12s-21w-Trego, KS

P.O. Box 981
Hays, KS 67601

Baughter A #4-29

Job Ticket: 60421

DST#: 1

ATTN: Mark Downing

Test Start: 2014.12.15 @ 14:00:00

Tool Information

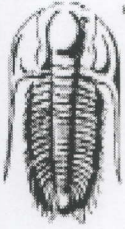
Drill Pipe:	Length: 3411.00 ft	Diameter: 3.80 inches	Volume: 47.85 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 310.11 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 49.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.11 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3730.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.08 ft			
Tool Length:	111.08 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			3715.00	
Hydraulic tool	5.00			3720.00	
Packer	5.00			3725.00	20.00 Bottom Of Top Packer
Packer	5.00			3730.00	
Anchor	5.00			3735.00	
Change Over Sub	0.75			3735.75	
Drill Pipe	62.58			3798.33	
Change Over Sub	0.75			3799.08	
Anchor	17.00			3816.08	
Recorder	1.00	6806	Inside	3817.08	
Recorder	1.00	8159	Outside	3818.08	
Bull Plug	3.00			3821.08	91.08 Bottom Packers & Anchor

Total Tool Length: 111.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Koron Investments Inc.

23-12s-21w-Trego,KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60421

DST#: 1

ATTN: Mark Downing

Test Start: 2014.12.15 @ 14:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 59.00 sec/qt
Water Loss: 8.38 in³
Resistivity: ohm.m
Salinity: 3500.00 ppm
Filter Cake: 0.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	SOWCM 2.5% oil, 2.5% water, 95% mud	0.197

Total Length: 40.00 ft Total Volume: 0.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

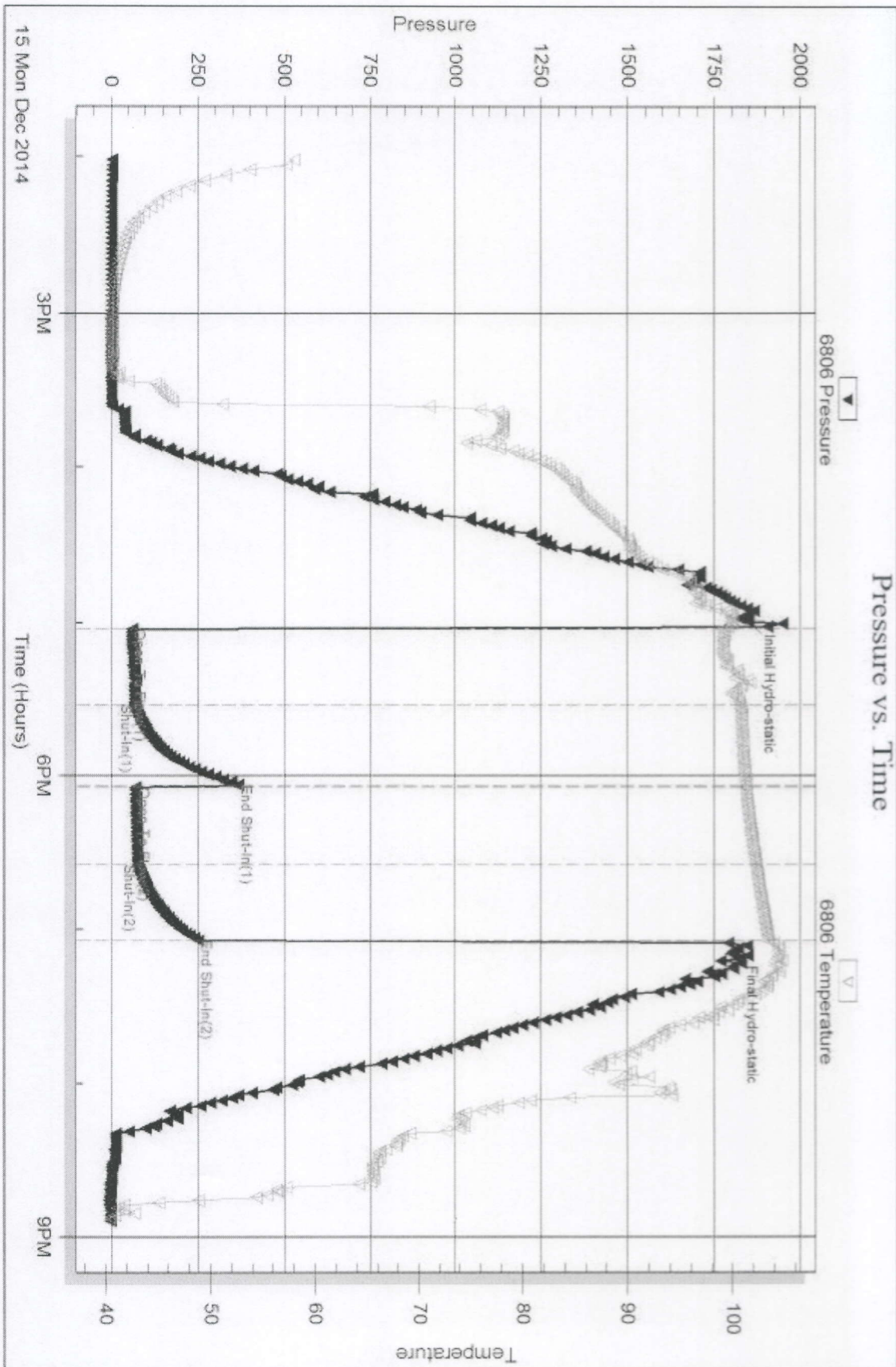
Serial #: 6806

Inside

Koron Investments Inc.

Baugher A #4-29

DST Test Number: 1

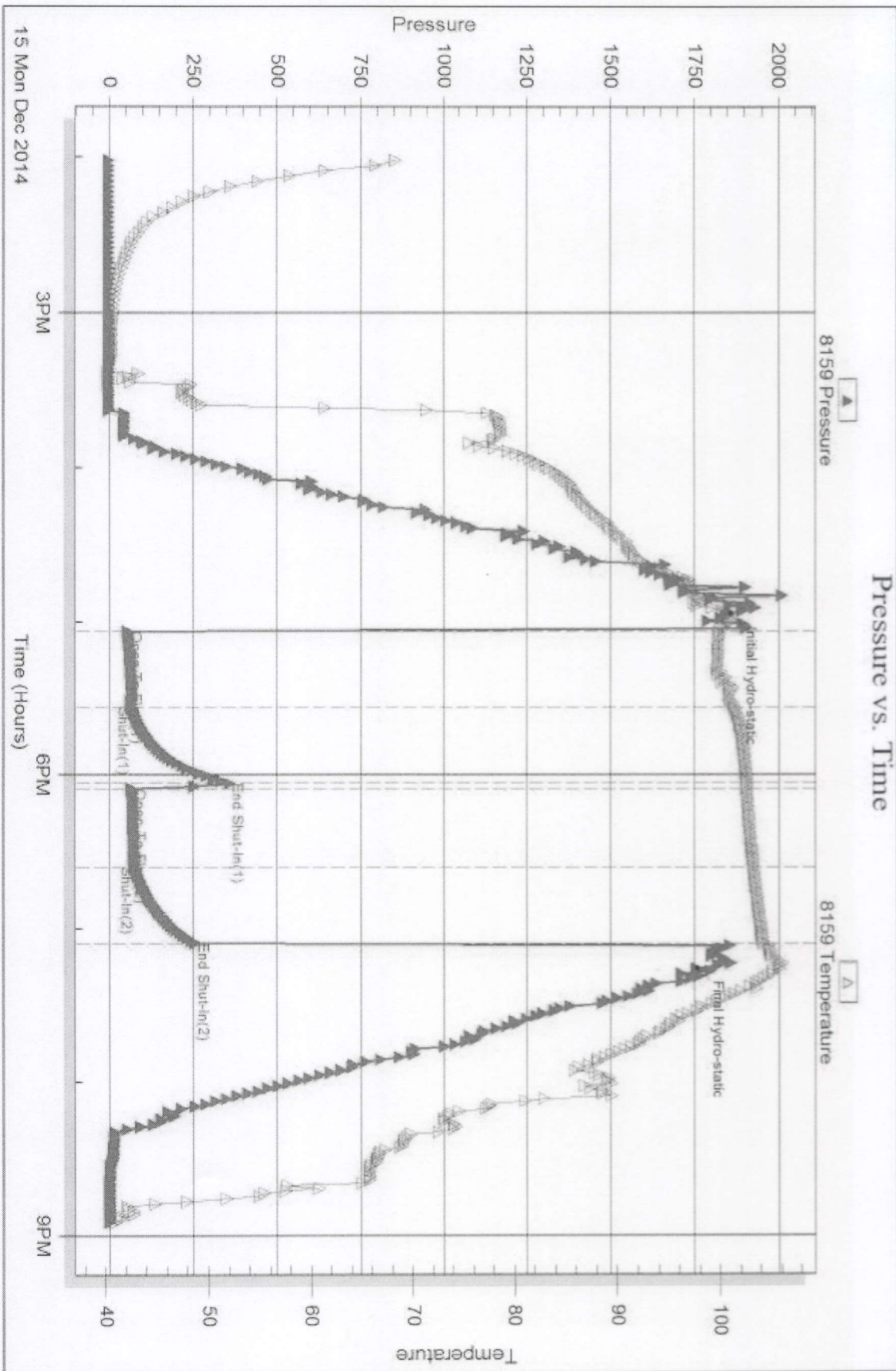


Serial #: 8159

Outside Koron Investments Inc.

Baugher A #4-29

DST Test Number: 1



Trioble Testing, Inc

Ref. No: 60421

Printed: 2014 12 19 @ 10:35:38



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Koron Investments Inc.**

P.O. Box 981
Hays, KS 67601

ATTN: Mark Downing

Baughner A #4-29

23-12s-21w-Trego,KS

Start Date: 2014.12.16 @ 23:12:00

End Date: 2014.12.17 @ 07:02:30

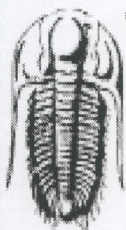
Job Ticket #: 60422 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.19 @ 10:35:04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Koron Investments Inc.

23-12s-21w-Trego, KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60422 DST#: 2

ATTN: Mark Downing

Test Start: 2014.12.16 @ 23:12:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:29:30
 Time Test Ended: 07:02:30

Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 56

Interval: **3929.00 ft (KB) To 4029.00 ft (KB) (TVD)**
 Total Depth: 4092.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2313.00 ft (KB)
 2307.00 ft (CF)
 KB to GR/CF: 6.00 ft

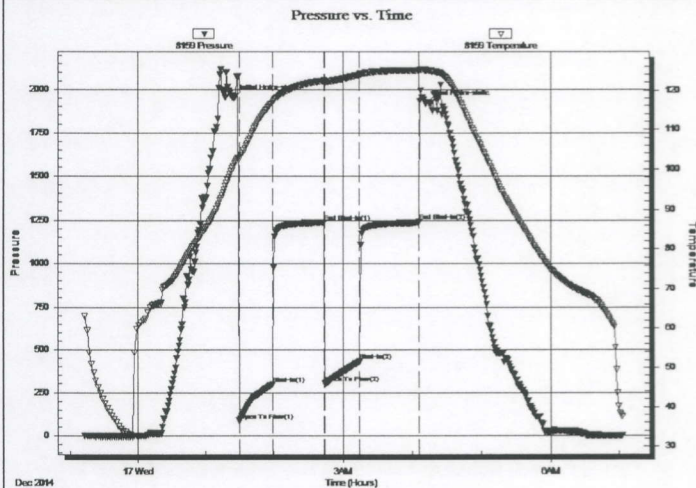
Serial #: 8159

Inside

Press@RunDepth: 432.05 psig @ 4024.08 ft (KB)
 Start Date: 2014.12.16 End Date: 2014.12.17
 Start Time: 23:13:00 End Time: 07:02:30

Capacity: 8000.00 psig
 Last Calib.: 2014.12.17
 Time On Btm: 2014.12.17 @ 01:24:30
 Time Off Btm: 2014.12.17 @ 04:11:30

TEST COMMENT: IFP 30 Minutes. BOB in 6 minutes and 30 seconds.
 ISI 45 Minutes. No blow back.
 FFP 30 Minutes. BOB in 9 minutes.
 FSI 45 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1953.51	100.71	Initial Hydro-static
5	85.28	102.69	Open To Flow (1)
34	297.86	116.80	Shut-In(1)
79	1237.14	122.43	End Shut-In(1)
80	304.64	122.01	Open To Flow (2)
110	432.05	123.86	Shut-In(2)
162	1240.63	125.03	End Shut-In(2)
167	1918.79	125.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MW 40% mud, 60% w ater	0.31
126.00	MW 30% mud, 70% w ater	0.62
63.00	OCMW 5% oil, 30% mud, 65% w ater	0.31
189.00	SOCWM 2.5% oil, 27.5% w ater, 70% Mud	2.12
126.00	SOCWM 5% oil, 45% w ater, 50% mud	1.77
189.00	OCMW 10% oil, 45% w ater, 45% mud	2.65

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Koron Investments Inc.

23-12s-21w-Trego,KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60422 DST#: 2

ATTN: Mark Downing

Test Start: 2014.12.16 @ 23:12:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:29:30

Time Test Ended: 07:02:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzern

Unit No: 56

Interval: **3929.00 ft (KB) To 4029.00 ft (KB) (TVD)**

Total Depth: 4092.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2313.00 ft (KB)

2307.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8524 **Outside**

Press@RunDepth: 1241.85 psig @ 4025.08 ft (KB)

Start Date: 2014.12.16

End Date: 2014.12.17

Capacity: 8000.00 psig

Last Calib.: 2014.12.17

Start Time: 23:12:01

End Time: 07:01:22

Time On Btm: 2014.12.17 @ 01:23:21

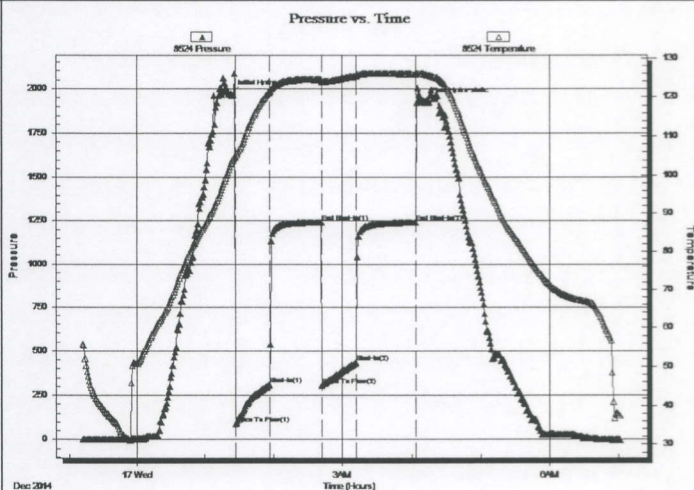
Time Off Btm: 2014.12.17 @ 04:11:29

TEST COMMENT: IFP 30 Minutes. BOB in 6 minutes and 30 seconds.

ISI 45 Minutes. No blow back.

FFP 30 Minutes. BOB in 9 minutes.

FSI 45 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1970.25	103.10	Initial Hydro-static
4	87.88	104.62	Open To Flow (1)
34	311.87	121.39	Shut-In(1)
80	1242.47	124.40	End Shut-In(1)
80	306.98	123.80	Open To Flow (2)
110	435.94	125.38	Shut-In(2)
161	1241.85	125.84	End Shut-In(2)
169	1927.39	125.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MW 40% mud, 60% water	0.31
126.00	MW 30% mud, 70% water	0.62
63.00	OCMW 5% oil, 30% mud, 65% water	0.31
189.00	SOCWM 2.5% oil, 27.5% water, 70% Mud	2.12
126.00	SOCWM 5% oil, 45% water, 50% mud	1.77
189.00	OCMW 10% oil, 45% water, 45% mud	2.65

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Koron Investments Inc.

23-12s-21w-Trego, KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60422 DST#: 2

ATTN: Mark Downing

Test Start: 2014.12.16 @ 23:12:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:29:30
Time Test Ended: 07:02:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 56

Interval: **3929.00 ft (KB) To 4029.00 ft (KB) (TVD)**
Total Depth: 4092.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2313.00 ft (KB)
2307.00 ft (CF)
KB to GR/CF: 6.00 ft

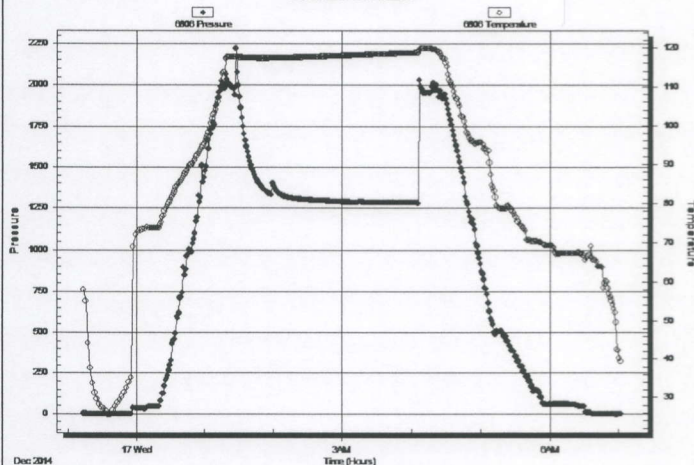
Serial #: 6806 Below (Straddle)

Press@RunDepth: psig @ 4089.59 ft (KB)
Start Date: 2014.12.16 End Date: 2014.12.17
Start Time: 23:13:00 End Time: 07:01:30

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP 30 Minutes. BOB in 6 minutes and 30 seconds.
ISI 45 Minutes. No blow back.
FFP 30 Minutes. BOB in 9 minutes.
FSI 45 Minutes. No blow back.

Pressure vs. Time



PRESSURE SUMMARY

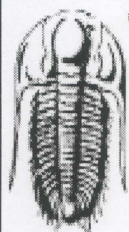
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MW 40% mud, 60% water	0.31
126.00	MW 30% mud, 70% water	0.62
63.00	OCMW 5% oil, 30% mud, 65% water	0.31
189.00	SOCWM 2.5% oil, 27.5% water, 70% Mud	2.12
126.00	SOCWM 5% oil, 45% water, 50% mud	1.77
189.00	OCMW 10% oil, 45% water, 45% mud	2.65

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Koron Investments Inc.

23-12s-21w-Trego,KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60422

DST#: 2

ATTN: Mark Downing

Test Start: 2014.12.16 @ 23:12:00

Tool Information

Drill Pipe:	Length: 3629.00 ft	Diameter: 3.80 inches	Volume: 50.91 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 310.11 ft	Diameter: 2.25 inches	Volume: 1.53 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: 72000.00 lb
		Total Volume:	52.44 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.11 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3929.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	163.59 ft			
Tool Length:	183.59 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			3914.00	
Hydraulic tool	5.00			3919.00	
Top Packer	5.00			3924.00	
Packer	5.00			3929.00	20.00 Bottom Of Top Packer
Anchor	5.00			3934.00	
Change Over Sub	0.75			3934.75	
Drill Pipe	62.58			3997.33	
Change Over Sub	0.75			3998.08	
Perforations	25.00			4023.08	
Recorder	1.00	8159	Inside	4024.08	
Recorder	1.00	8524	Outside	4025.08	
Blank Off Sub	0.75			4025.83	163.59 Tool Interval
Packer	5.00			4030.83	
Change Over Sub	0.75			4031.58	
Drill Pipe	31.26			4062.84	
Change Over Sub	0.75			4063.59	
Perforations	25.00			4088.59	
Recorder	1.00	6806	Below	4089.59	
Bullnose	3.00			4092.59	1000182.59 Bottom Packers & Anchor

Total Tool Length: 183.59



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Koron Investments Inc.

23-12s-21w-Trego,KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60422

DST#: 2

ATTN: Mark Downing

Test Start: 2014.12.16 @ 23:12:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 8.78 in³
Resistivity: ohm.m
Salinity: 3500.00 ppm
Filter Cake: 0.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 34000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	MW 40% mud, 60% water	0.310
126.00	MW 30% mud, 70% water	0.620
63.00	OCMW 5% oil, 30% mud, 65% water	0.310
189.00	SOCWM 2.5% oil, 27.5% water, 70% Mud	2.122
126.00	SOCWM 5% oil, 45% water, 50% mud	1.767
189.00	OCMW 10% oil, 45% water, 45% mud	2.651
189.00	SOCM 5% Oil, 95% Mud	2.651
63.00	OCM 40% Oil, 60% Mud	0.884
2.00	100% Clean oil	0.028

Total Length: 1010.00 ft Total Volume: 11.343 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rW.22 at 40 degrees.

Serial #: 8159

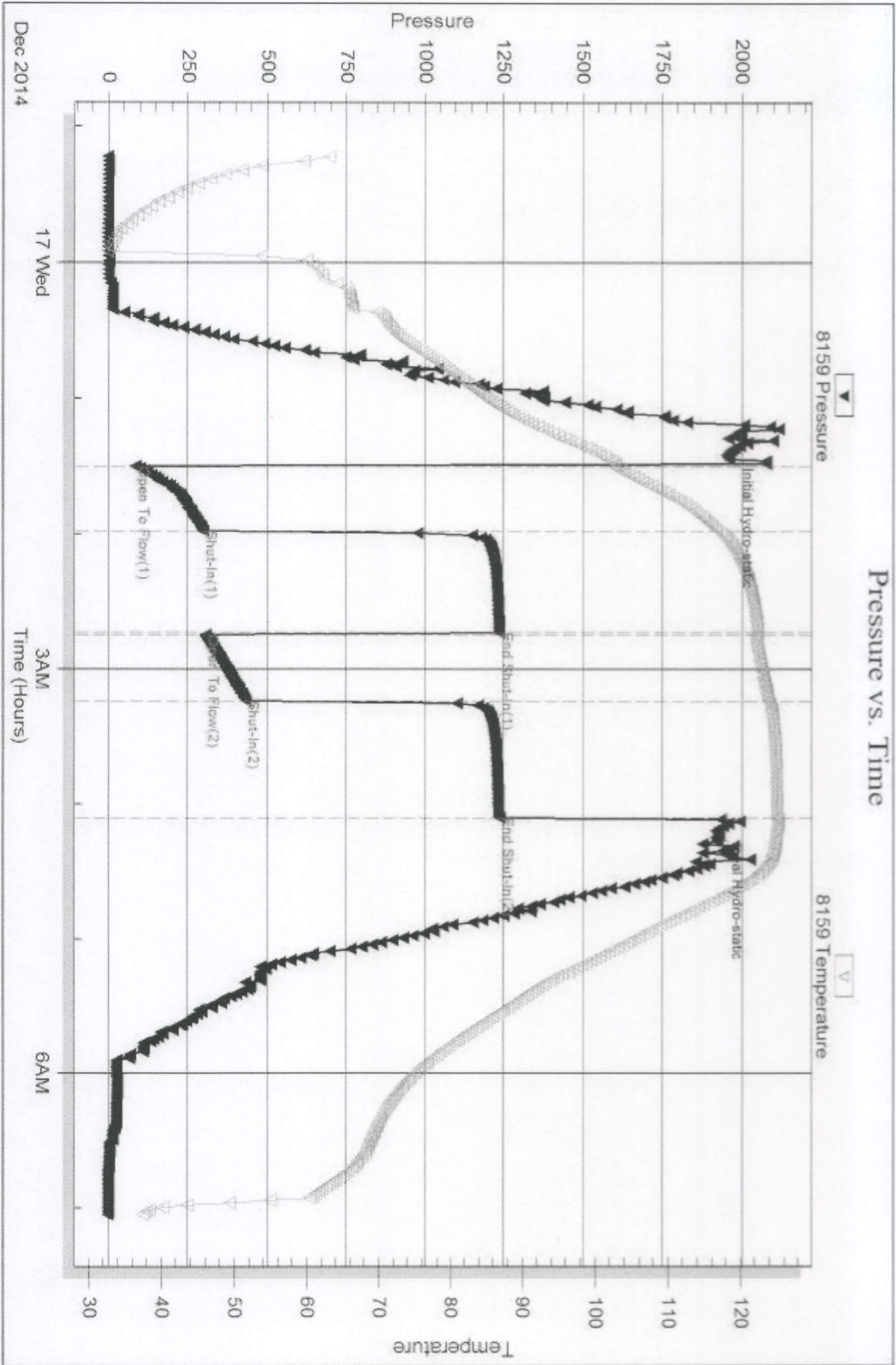
Inside

Koron Investments Inc.

Baugher A #4-29

DST Test Number: 2

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 60422

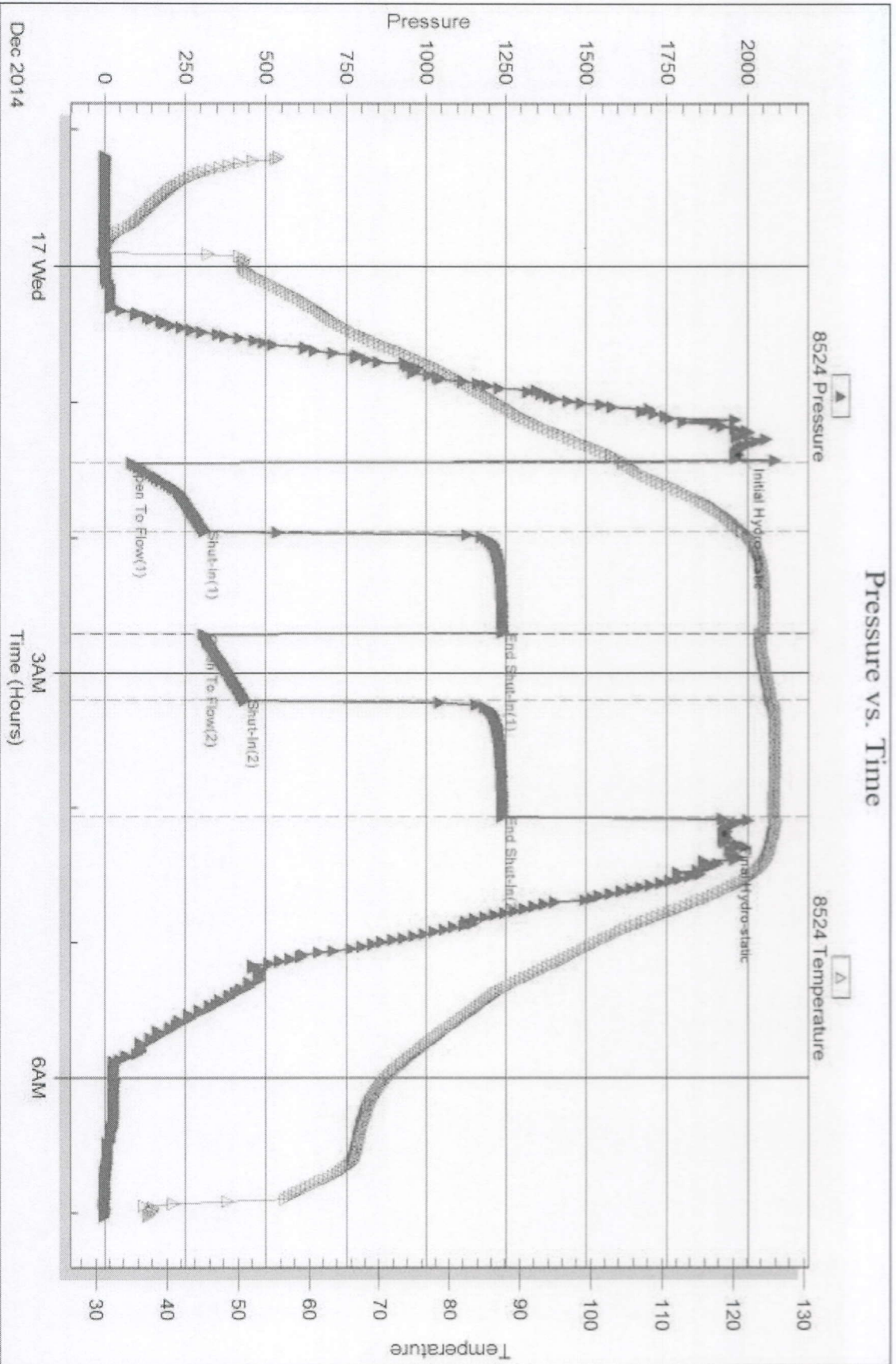
Printed: 2014.12.19 @ 10:35:05

Serial #: 8524

Outside Koron Investments Inc.

Baugher A #4-29

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 60422

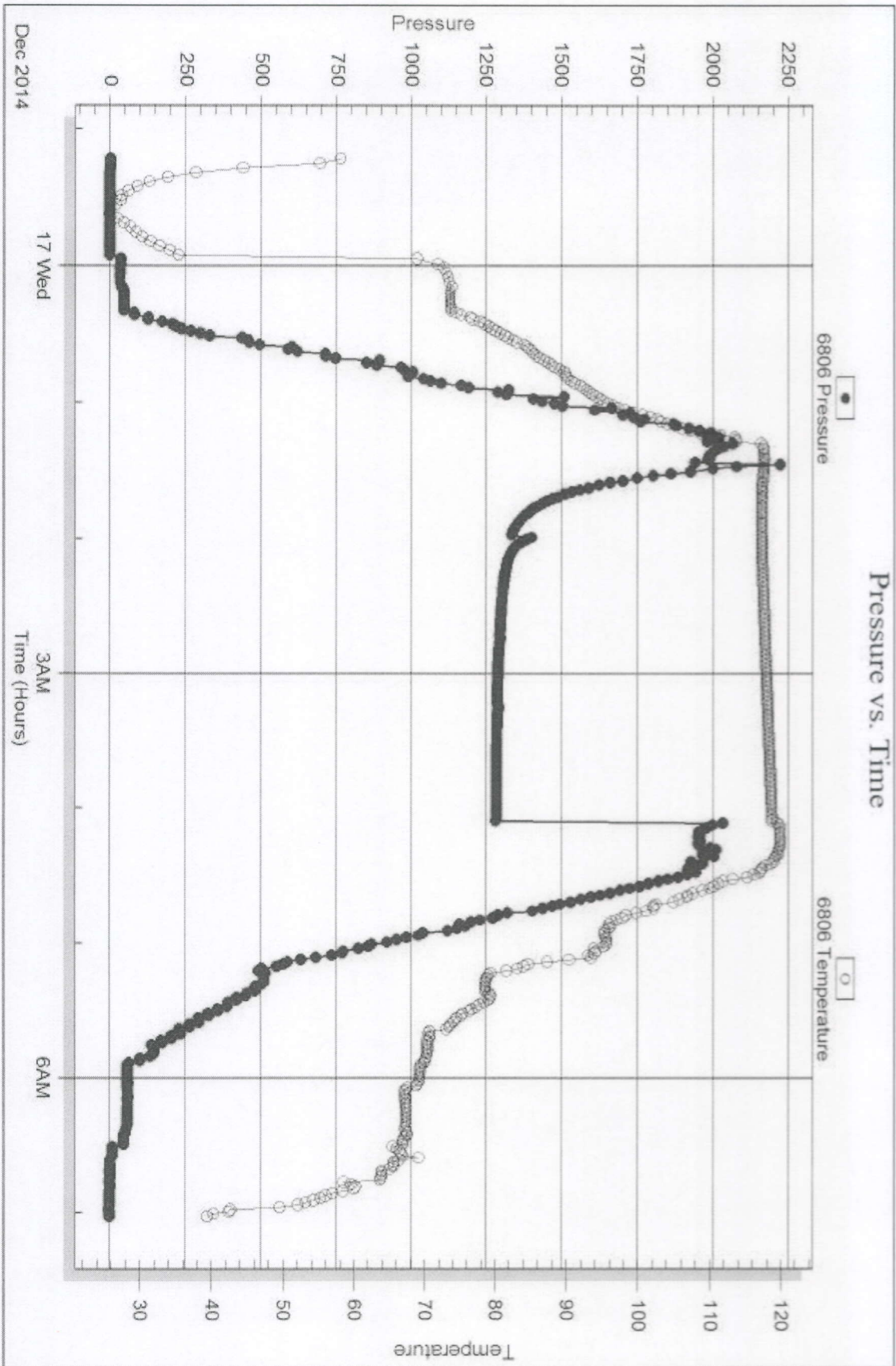
Printed: 2014.12.19 @ 10:35:06

Serial #: 6806

Below (Stratkat) Investments Inc.

Baugher A #4-29

DST Test Number 2



Trouble Testing, Inc

Ref. No: 60422

Printed: 2014.12.19 @ 10:35:06



DRILL STEM TEST REPORT

Prepared For: **Koron Investments Inc.**

P.O. Box 981
Hays, KS 67601

ATTN: Mark Downing

Baughner A #4-29

23-12s-21w-Trego,KS

Start Date: 2014.12.17 @ 08:04:00

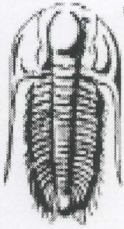
End Date: 2014.12.17 @ 16:35:30

Job Ticket #: 60423 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.19 @ 10:34:16

Koron Investments Inc. 23-12s-21w-Trego,KS Baughner A #4-29 DST # 3 Arbuckle 2014.12.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Koron Investments Inc.

23-12s-21w-Trego,KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60423

DST#: 3

ATTN: Mark Downing

Test Start: 2014.12.17 @ 08:04:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:43:30

Time Test Ended: 16:35:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 56

Interval: **3928.00 ft (KB) To 4020.00 ft (KB) (TVD)**

Total Depth: 4092.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2313.00 ft (KB)

2307.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8159 Inside

Press@RunDepth: 127.86 psig @ 4013.08 ft (KB)

Start Date: 2014.12.17 End Date: 2014.12.17

Start Time: 08:04:00 End Time: 16:35:30

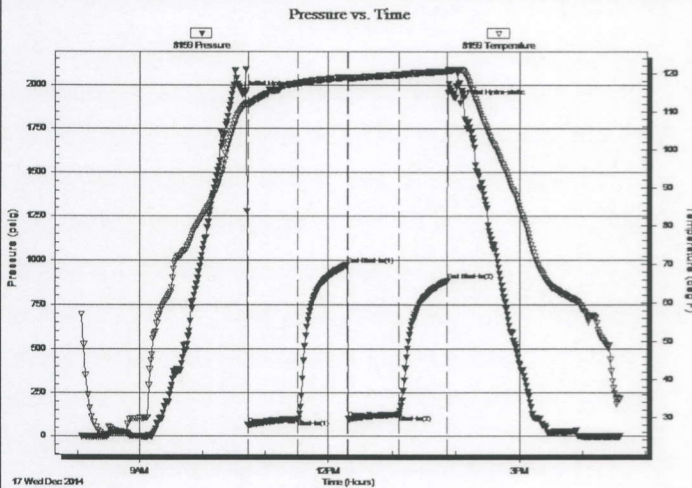
Capacity: 8000.00 psig

Last Calib.: 2014.12.17

Time On Btm: 2014.12.17 @ 10:38:30

Time Off Btm: 2014.12.17 @ 14:04:30

TEST COMMENT: IFP 45 Minutes. Fair blow built to 6" in diesel
ISI 45 Minutes. No blow back.
FFP 45 Minutes. Fair blow built to 4"
FSI 45 Minutes. No blow back.



PRESSURE SUMMARY

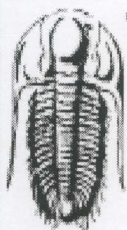
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1946.33	111.05	Initial Hydro-static
5	64.03	111.71	Open To Flow (1)
53	99.67	117.33	Shut-In(1)
99	970.47	118.95	End Shut-In(1)
100	102.99	118.72	Open To Flow (2)
148	127.86	119.59	Shut-In(2)
194	883.99	120.46	End Shut-In(2)
206	1897.37	120.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	95% mud, 5% oil	0.31
63.00	90% Mud, 10% oil	0.31
30.00	40% Oil, 60% Mud	0.15
3.00	100% Clean Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Koron Investments Inc.

23-12s-21w-Trego,KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60423

DST#: 3

ATTN: Mark Downing

Test Start: 2014.12.17 @ 08:04:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:43:30

Time Test Ended: 16:35:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzern

Unit No: 56

Interval: **3928.00 ft (KB) To 4020.00 ft (KB) (TVD)**

Total Depth: 4092.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2313.00 ft (KB)

2307.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8524

Outside

Press@RunDepth: 885.50 psig @ 4014.08 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.17

End Date: 2014.12.17

Last Calib.: 2014.12.17

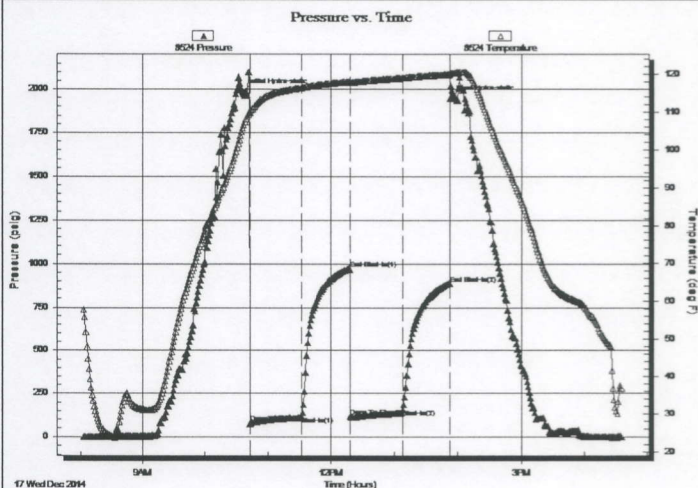
Start Time: 08:03:01

End Time: 16:36:17

Time On Btm: 2014.12.17 @ 10:35:57

Time Off Btm: 2014.12.17 @ 13:52:34

TEST COMMENT: IFP 45 Minutes. Fair blow built to 6" in diesel
ISI 45 Minutes. No blow back.
FFP 45 Minutes. Fair blow built to 4"
FSI 45 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1985.23	105.65	Initial Hydro-static
7	75.56	109.67	Open To Flow (1)
56	116.29	116.38	Shut-In(1)
102	968.76	118.05	End Shut-In(1)
103	117.51	117.68	Open To Flow (2)
152	156.52	119.00	Shut-In(2)
197	885.50	119.93	End Shut-In(2)
197	1946.46	120.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	95% mud, 5% oil	0.31
63.00	90% Mud, 10% oil	0.31
30.00	40% Oil, 60% Mud	0.15
3.00	100% Clean Oil	0.01

Gas Rates

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



DRILL STEM TEST REPORT

Koron Investments Inc.

23-12s-21w-Trego, KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60423

DST#: 3

ATTN: Mark Downing

Test Start: 2014.12.17 @ 08:04:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:43:30

Time Test Ended: 16:35:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 56

Interval: **3928.00 ft (KB) To 4020.00 ft (KB) (TVD)**

Reference Elevations: 2313.00 ft (KB)

Total Depth: 4092.00 ft (KB) (TVD)

2307.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 6.00 ft

Serial #: 6806 Below (Straddle)

Press@RunDepth: psig @ 4086.59 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.17 End Date: 2014.12.17

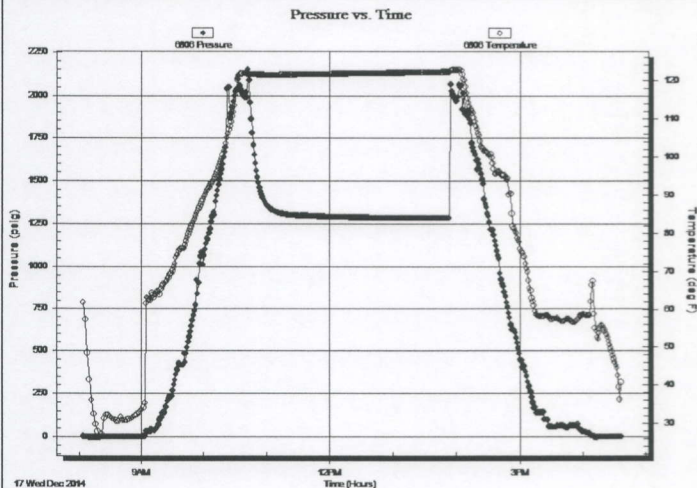
Last Calib.: 2014.12.17

Start Time: 08:04:00 End Time: 16:36:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP 45 Minutes. Fair blow built to 6" in diesel
 ISI 45 Minutes. No blow back.
 FFP 45 Minutes. Fair blow built to 4"
 FSI 45 Minutes. No blow back.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
63.00	95% mud, 5% oil	0.31
63.00	90% Mud, 10% oil	0.31
30.00	40% Oil, 60% Mud	0.15
3.00	100% Clean Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Koron Investments Inc.

23-12s-21w-Trego, KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60423

DST#: 3

ATTN: Mark Downing

Test Start: 2014.12.17 @ 08:04:00

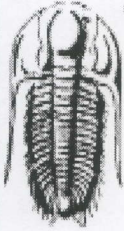
Tool Information

Drill Pipe:	Length: 3629.00 ft	Diameter: 3.80 inches	Volume: 50.91 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 310.11 ft	Diameter: 2.25 inches	Volume: 1.53 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: 72000.00 lb
			<u>Total Volume: 52.44 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	31.11 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3928.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	161.59 ft			
Tool Length:	181.59 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			3913.00	
Hydraulic tool	5.00			3918.00	
Top Packer	5.00			3923.00	
Packer	5.00			3928.00	20.00 Bottom Of Top Packer
Perforations	5.00			3933.00	
Change Over Sub	0.75			3933.75	
Drill Pipe	62.58			3996.33	
Change Over Sub	0.75			3997.08	
Perforations	15.00			4012.08	
Recorder	1.00	8159	Inside	4013.08	
Recorder	1.00	8524	Outside	4014.08	
Blank Off Sub	0.75			4014.83	161.59 Tool Interval
Packer	5.00			4019.83	
Change Over Sub	0.75			4020.58	
Drill Pipe	31.26			4051.84	
Change Over Sub	0.75			4052.59	
Perforations	33.00			4085.59	
Recorder	1.00	6806	Below	4086.59	
Bull Plug	3.00			4089.59	1000180.59 Bottom Packers & Anchor

Total Tool Length: 181.59



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Koron Investments Inc.

23-12s-21w-Trego, KS

P.O. Box 981
Hays, KS 67601

Baughner A #4-29

Job Ticket: 60423

DST#: 3

ATTN: Mark Downing

Test Start: 2014.12.17 @ 08:04:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 8.77 in³
Resistivity: ohm.m
Salinity: 3500.00 ppm
Filter Cake: 0.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	95% mud, 5% oil	0.310
63.00	90% Mud, 10% oil	0.310
30.00	40% Oil, 60% Mud	0.148
3.00	100% Clean Oil	0.015

Total Length: 159.00 ft Total Volume: 0.783 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

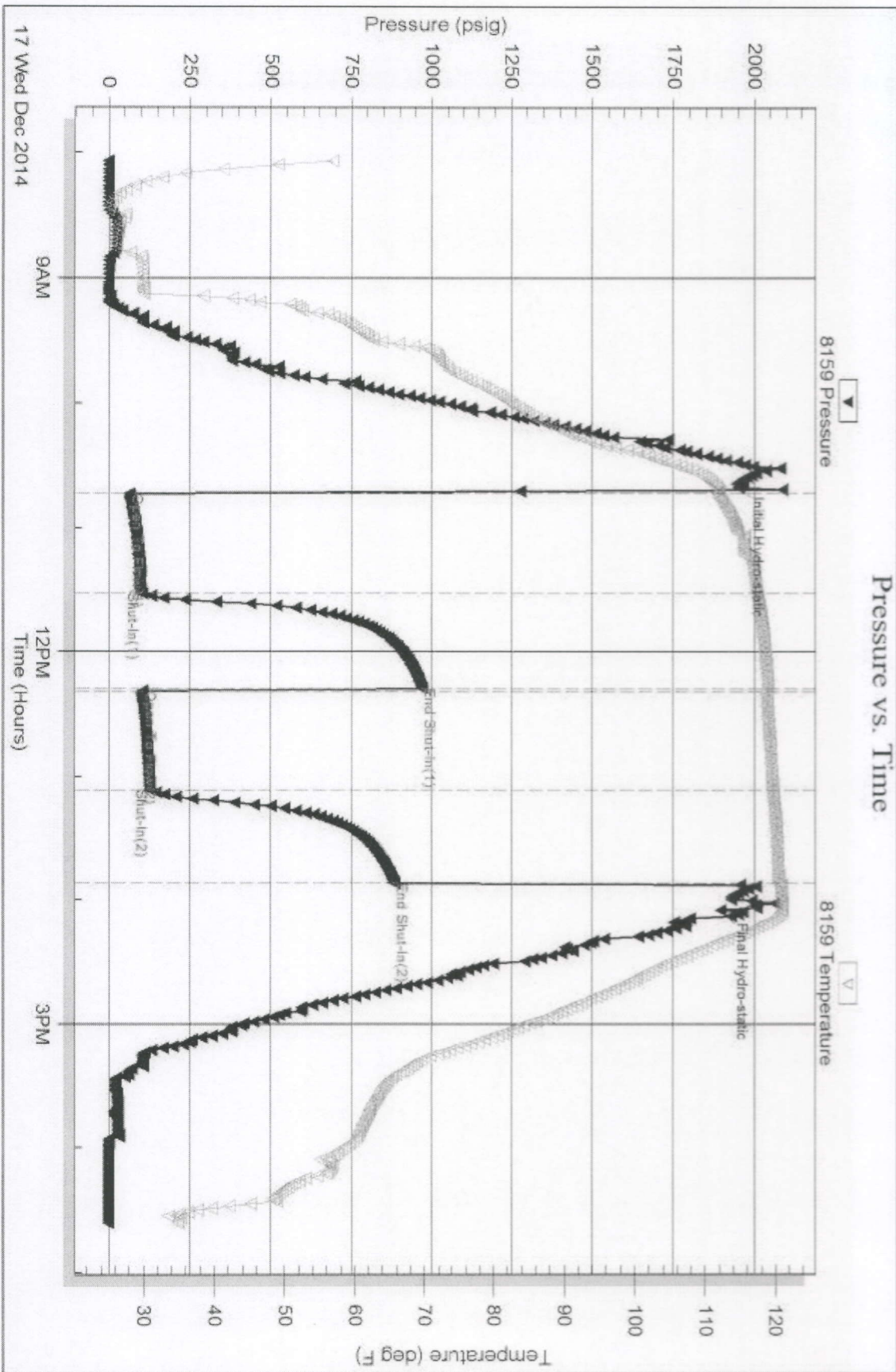
Serial #: 8159

Inside

Karon Investments Inc.

Baughner A #4-29

DST Test Number: 3



Trouble Testing, Inc

Ref. No: 60423

Printed: 2014.12.19 @ 10:34:17

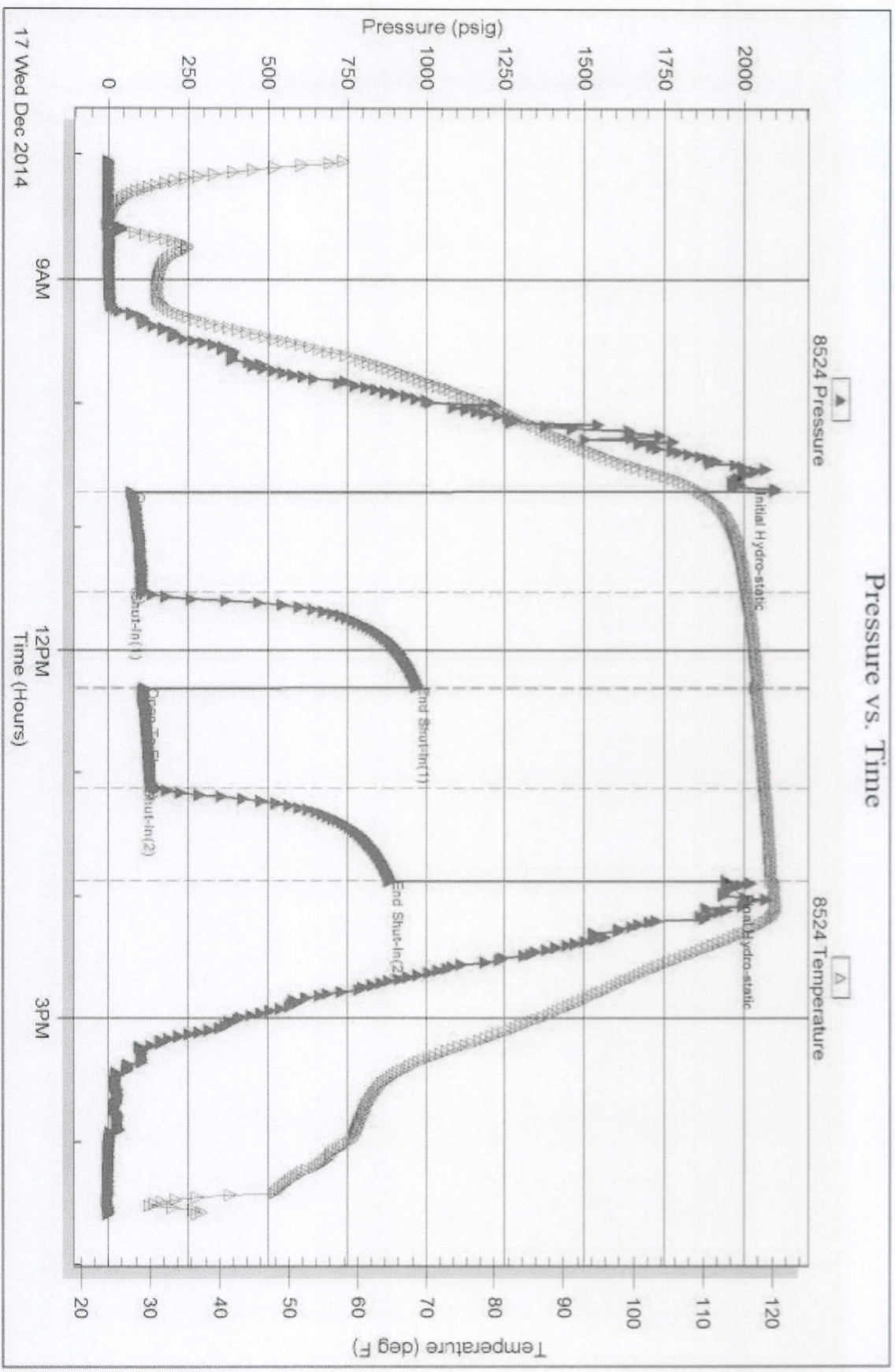
Serial #: 8524

Outside Koron Investments Inc.

Baugher A. #4-29

DST Test Number: 3

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 60423

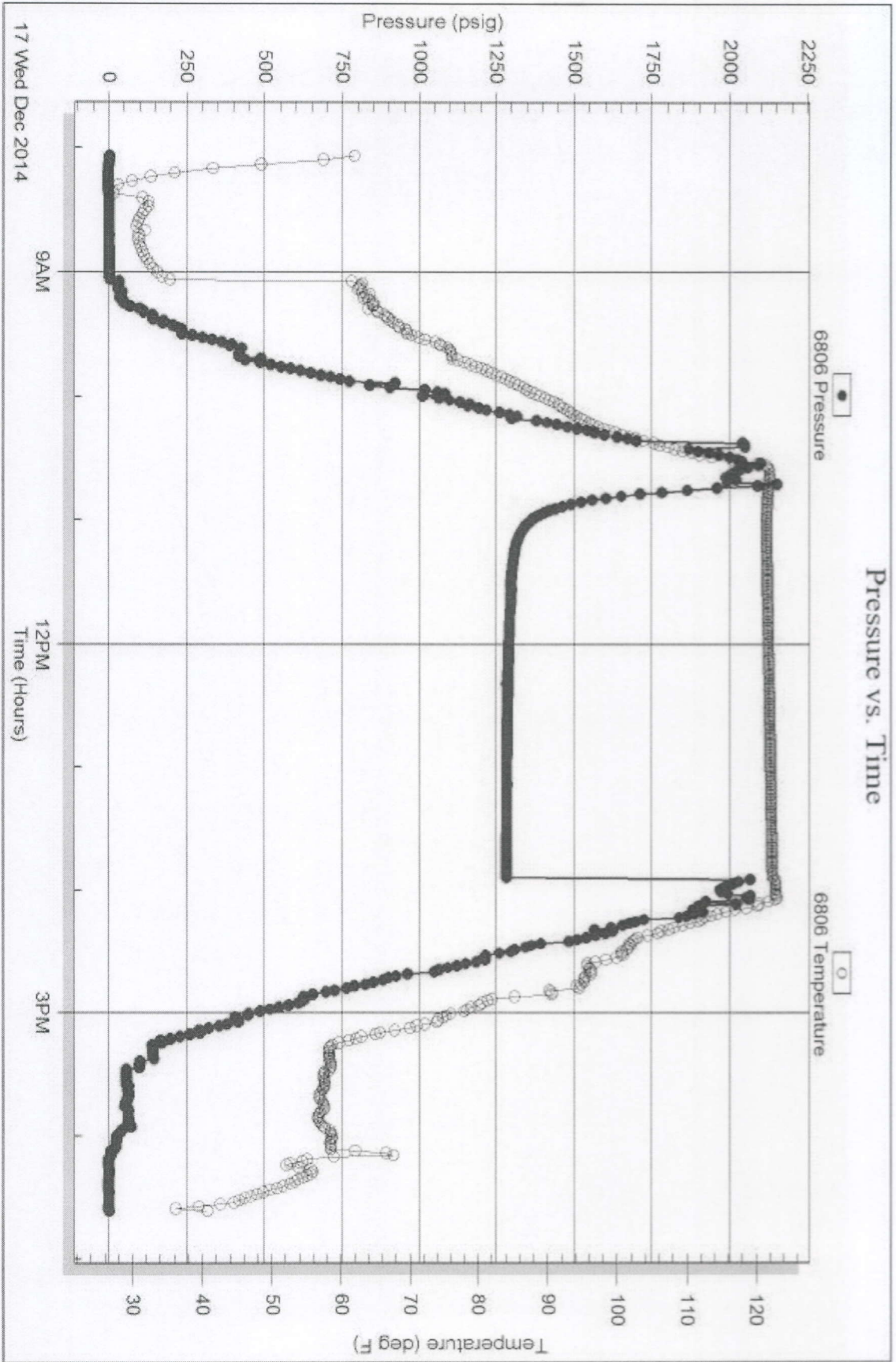
Printed 2014 12 19 @ 10:34:17

Serial #: 6806

Below (Strakdan) Investments Inc.

Baughner A #4-29

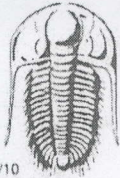
DST Test Number: 3



Tribble Testing, Inc

Ref. No: 60423

Printed: 2014.12.19 @ 10:34:17



4/10

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60421

Well Name & No. Baughen A # 4-29 Test No. 1 Date 12-15-14
 Company Koron Investments Inc Elevation 2313 KB 2307 GL
 Address P.O. Box 981 Hays KS 67601
 Co. Rep / Geo. Mark Rig Discovery Rig # 2
 Location: Sec. 23 Twp. 12 S Rge. 21 W Co. Trego State KS

Interval Tested 3730 - 3821 Zone Tested Lansing H-K
 Anchor Length 91' Drill Pipe Run 3411 Mud Wt. 9.1
 Top Packer Depth 3725 Drill Collars Run 0 Vis 59
 Bottom Packer Depth 3730 Wt. Pipe Run 310.11 WL 8.4
 Total Depth 3821 Chlorides 3500 ppm System LCM 2^{II}
 Blow Description 1st open - weak blow built to 1 1/2 inches. 1st shut in - No blow back. 2nd open - weak blow built to 2 inches. 2nd shut in - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>oil cut watery mud</u>	<u>2.5</u>	<u>2.5</u>	<u>95</u>	<u>95</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 40 BHT 104 Gravity 1150 API RW 77.50 @ 77.50 °F Chlorides 3500 ppm
 (A) Initial Hydrostatic 1848 Test 1150 T-On Location 1300
 (B) First Initial Flow 61 Jars 1430 T-Started 1430
 (C) First Final Flow 67 Safety Joint 1700 T-Open 1700
 (D) Initial Shut-In 366 Circ Sub 1915 T-Pulled 1915
 (E) Second Initial Flow 70 Hourly Standby 2045 T-Out 2045
 (F) Second Final Flow 76 Mileage 50 77.50 Comments _____
 (G) Final Shut-In 251 Sampler _____
 (H) Final Hydrostatic 1798 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1227.50 MP/DST Disc't _____
 Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Approved By _____ Our Representative Shoe Kifer
 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. 60422

Well Name & No. Baughner A #4-29 Test No. 2 Date 12-16-14
 Company Koron Investments Inc Elevation 2313 KB 2307 GL
 Address P.O. Box 981 Hays KS 67601
 Co. Rep / Geo. Mark Rig Discovery Rig #2
 Location: Sec. 23 Twp. 12S Rge. 21W Co. Trego State KS

Interval Tested 3929 - 4029 Zone Tested Arbuckle
 Anchor Length 600' Drill Pipe Run 3629 Mud Wt. 9.4
 Top Packer Depth 3924 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 3929 Wt. Pipe Run 310.11 WL 8.8
 Total Depth 4092 Chlorides 3500 ppm System LCM 1[#]

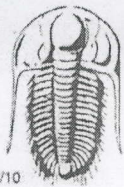
Blow Description 1st Open - Good blow built to Bottom of 5 gallon bucket in 6 minutes 30 seconds. 1st Shut In - No blow back. 2nd Open - Bottom of Bucket in 9 minutes. 2nd Shut In - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>clean oil</u>	<u>100</u>			
<u>63</u>	<u>oil cut mud</u>	<u>40</u>			<u>60</u>
<u>189</u>	<u>oil cut mud</u>	<u>5</u>			<u>95</u>
<u>567</u>	<u>oil cut muddy water</u>				
<u>189</u>	<u>muddy water</u>			<u>60</u>	<u>40</u>

Rec Total 1008 BHT 125 Gravity 1250 API RW .22@ 40 F Chlorides 34000 ppm

(A) Initial Hydrostatic 1953 Test 1250 T-On Location 2130
 (B) First Initial Flow 85 Jars _____ T-Started 0000
 (C) First Final Flow 297 Safety Joint _____ T-Open 0130
 (D) Initial Shut-In 1237 Circ Sub _____ T-Pulled 0400
 (E) Second Initial Flow 304 Hourly Standby _____ T-Out 0700
 (F) Second Final Flow 432 Mileage 50 77.50 Comments _____
 (G) Final Shut-In 1240 Sampler _____
 (H) Final Hydrostatic 1918 Straddle 600 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 1927.50
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1927.50

Approved By _____ Our Representative Shane Key
 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.



4/10

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60423

Well Name & No. Bangher A #4-29 Test No. 3 Date 12-17-14
 Company Koron Investments, Inc. Elevation 2313 KB 2307 GL
 Address P.O. Box 981 Hays KS 67601
 Co. Rep / Geo. Mark Rig Discovery Rig #2
 Location: Sec. 23 Twp. 12s Rge. 21w Co. Trego State KS

Interval Tested 3928-4020 Zone Tested Arbuckle
 Anchor Length 92 Drill Pipe Run 3629 Mud Wt. 9.4
 Top Packer Depth 3923 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 3928 Wt. Pipe Run 310.11 WL 8.8
 Total Depth 4092 Chlorides 3500 ppm System LCM 1#

Blow Description 1st Open - fair blow built to 6 inches into diesel. 1st Shut In - No blow back. 2nd Open - blow built to 4 inches into diesel. 2nd Shut In - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>clean oil</u>				
<u>30</u>	<u>oil cut mud</u>		<u>40%</u>		<u>60%</u>
<u>63</u>	<u>oil cut mud</u>		<u>10%</u>		<u>90%</u>
<u>63</u>	<u>oil cut mud</u>		<u>5%</u>		<u>95%</u>
<u> </u>	<u> </u>				

Rec Total 159 BHT 120 Gravity 1 API RW 1 @ 1 °F Chlorides 1 ppm

(A) Initial Hydrostatic 1946 Test 1250 T-On Location 2130 - 12-16-14
 (B) First Initial Flow 64 Jars _____ T-Started 0900
 (C) First Final Flow 99 Safety Joint _____ T-Open 10.45
 (D) Initial Shut-In 970 Circ Sub _____ T-Pulled 13:50
 (E) Second Initial Flow 102 Hourly Standby _____ T-Out 1600
 (F) Second Final Flow 127 Mileage 50 77.50 Comments _____
 (G) Final Shut-In 883 Sampler _____
 (H) Final Hydrostatic 1897 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1927.50
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 _____ Sub Total 1927.50

Approved By _____ Our Representative Mark [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.

Marc A. Downing Consulting Petroleum Geologist	Geologic Report Drilling Time and Sample Log
---	---

Operator Koron Investments, Inc.			Elevation	
Lease Baughner A		No. 4-29	KB	2321
API # 15-195-22983-0000			DF	
Field Ellis NW			GL	2313
Location 1870' FNL & 2640' FWL			Casing Record	
Sec. 23 Twp. 12s Rge. 21w			Surface	
County Ellis State Kansas			8 5/8" @ 221'	
			Production	
			5 1/2" @ 4091'	
			Electrical Surveys	
			CNDL, DIL,	
			MEL	

Formation	Sample tops	Log Tops	Datum	Struct Comp
Top Anhydrite	NA	1705	+616	+6
Base Anhydrite	NA	1752	+569	NA
Topeka	3354	3347	-1033	+4
Heebner	3572	3566	-1251	+6
Toronto	3591	3584	-1270	+6
LKC	3607	3601	-1286	+5
BKC	3844	3838	-1523	+4
Marmaton	3908	3903	-1587	+7
Arbuckle	3983	3978	-1662	+3
Total Depth	4092	4088	-1771	

Reference Well For Structural Comparison Steven D Angle
Baughner #1 100' W, C-E/2-SE-NW Sec. 23-12s-21w

Drilling Contractor	Discovery Drilling, Rig #2		
Commenced	12-11-14	Completed	12-17-14
Samples Saved From	3350	To	RTD
Drilling Time Kept From	3250	To	RTD
Samples Examined From	3350	To	RTD
Geological Supervision From	3250	To	RTD

Summary and Recommendations

Due to structural position, DST recovery, and log evaluation, it was decided to set 5 1/2" production casing for completion in the Arbuckle.

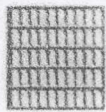
Perforate:

- Arbuckle:** 4021-4024 (DST #2 - Squeeze if wet)
- 4009-4013 (DST #3)
- 4001-4006 (DST #3)
- LKC I:** 3759-3763 (DST #1 - Before abandonment)
- Toronto:** 3586-3590 (Before abandonment)

Respectfully Submitted,

Marc A. Downing

LEGEND



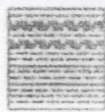
Anhydrite



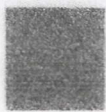
Salt



Sandstone



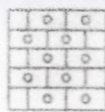
Shale



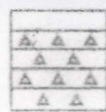
Carb sh



Limestone



Ool. Lime



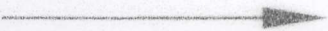
Chert



Dolomite

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Decreases



5"

10"

15"

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

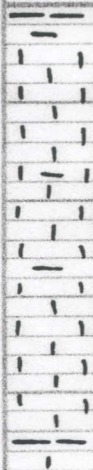
REMARKS

3250

3300

50

Topeka
3354(1033)



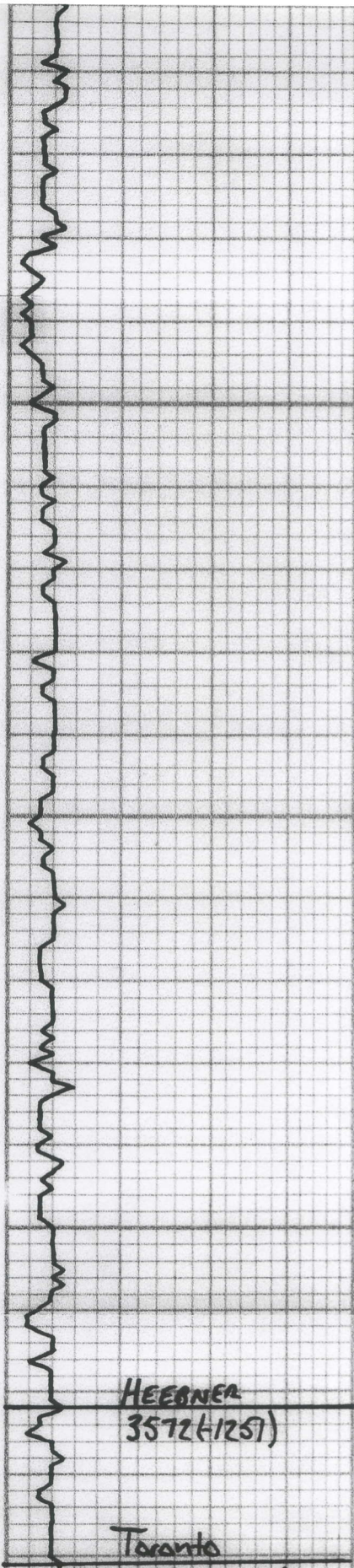
Sh: gry

LS: Lght. tan, Fm- med
xln, sub xln in prt,
NS.

LS: Lght tan, Fm xln, prgy
+ chms, NS.

LS: Lght tan, Fm xln, sub in
prt. Scot fr sat str, Fr SPD,
Fr Ad. frant chky ex.

Sh: drk gry



LS: wht-tan, fm-md xln, mostly prs, NS.

LS: wht, md xln, subxl-chlky.

LS: wht, fm-md xln, mtd in prt. Many chlky rx, All NS.

50

Sh: Black Carb

Sh: ggy

LS: Lght, fm-ufn xln, prs

Sh: ggy

LS: wht, fm-md xln, 1-2 rx wll fr stm + SFO in fr vngs, fat cd. Rest prs + dm's

Sh: ggy

3500

LS: wht, fm xln, chlky

Sh: Black Carb

Sh: ggy
 LS: wht, md xln, smol foss. Scat vngs wll lt brn stm, softd SFO, mostly subxl, ft cd. Scat tan chkb.

LS: 2-3 rx wll sh w AIA, frng chlky

50

LS: Tan-whit, fm-md xln, sltly mtd, few foss.

LS: wht-tan, fm-md xln. Subxl-chlky, mtd in prt, NS.

Sh: Black Carb

HEERNA
 3572(1251)

Toronto

Sh: ggy

LKC

3607(-1286)

3600

Sh: brn w/ gry
LS: wht, md xln, scat fess + ocl. 2-3 or w/ fr vngs, fr sat sta, fr sfo, fr ad. Rx tray sub xln-chlky.

Sh: gry
LS: wht, fr xln, prk + dms.

50

Sh: gry
LS: wht, fr xln. Mostly sub xln-chlky. Scat smpl vngs w/ fr brn sta, sp ttd sfo, frt. No Od. Tom chnta. Tray prk.

Sh: gry
LS: wht, fr xln. Mostly prk, scat subxln rx. Scat pr sta, NSFo, No Od.

Sh: gry
LS: wht, fr xln, subxln-chlky. Tray prk + dms, NS.

3700

Sh: gry
LS: wht, fr vfr xln. Fr-gd vngs, gd sat w/ gd sfo, fr-gd ad.

Sh: gry
LS: wht, scat rx AIA, pass carry. Tray mostly subxln-chlky, lt Od, NS.

Sh: gry
LS: wht, fr xln, prk + dms. Scat tom + wlt chnta.

50

Sh: Black Carb

Sh: gry
LS: wht, fr, md xln. Mostly prk

Sh: gry
LS: wht, fr, md xln, scat fess. fr vngs, fr sta, sp ttd sfo, lt. fr ad. Many subxln rx.

Sh: gry
LS: wht - tom, ocl. 2-3 rx w/ pr ooc & c. sh. wtd sfo lt

Vis: 59 Wt: 9.1

Ost #1

3730-3821

30-30-30-30

I.F. - 1 1/2"

F.F. - 2"

IFP: 61-67

FFP: 70-74

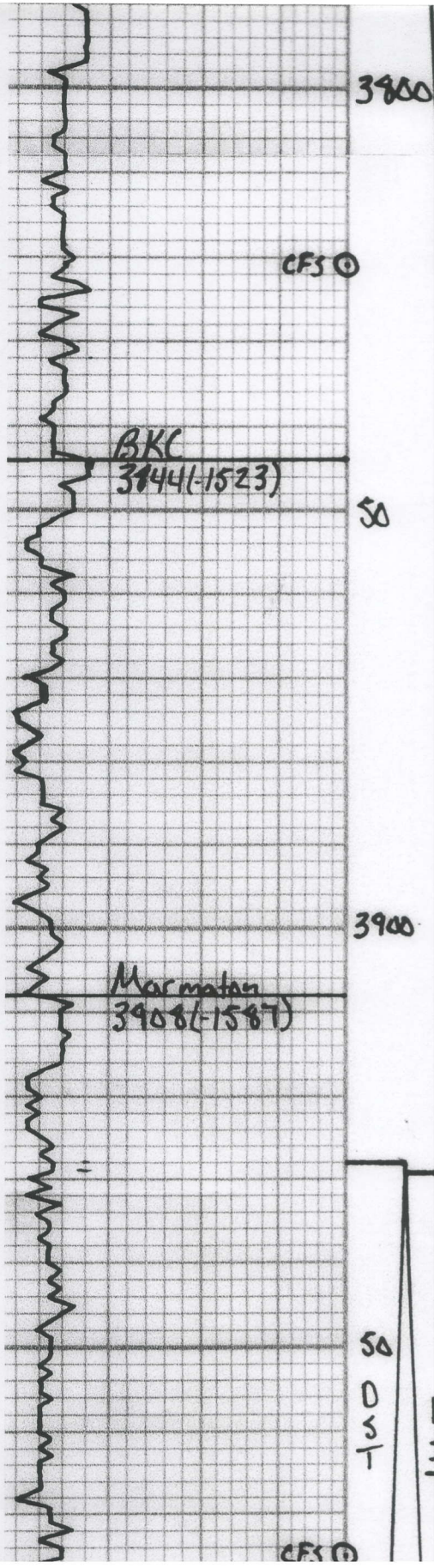
SIP: 364-251

HP: 1848-1798

Rec:

40' o/wcm 2.5%
2.5% w

D
S
T
#



LS: wht, fm xln, pps + chms.
 Sh: gry
 LS: wht, fm xln, pps. scat str, NSFO, No OD.
 LS: wht, fm-mid xln, pps + chms, NS.
 Sh: gry-drk gry
 LS: wht, fm-mid xln, pps. Subxln in part, NS.
 Sh: gry
 Sh: gry
 LS: wht, fm xln, pps, chms.
 Sh: brn w/ red
 LS: wht, fm xln, pps, chms
 Sh: brn
 Sh: brn
 LS: wht, fm-vfm xln, pps, chms.
 LS: Tom - wht, fm-mid xln. Scat smt ung + pps, fr str, sat, pttld sps. Frant tom shp chta. Scat weather chta, fr edge str, H. fr ad.
 Sh: brn, Fr amt org + tom chta.
 Sh: brn, Abnt org + tom shp chta.

DST #2
 3929-4029
 30-45-30-45
 I.F.-8086.5 min
 F.I.-8089 min No SIB
 IFP: 85-298
 FFP: 305-432
 SIP: 1237-1241
 WP: 1954-1919
 Rec:
 2' CO
 189' ocm 40%
 63' ocm 57.0
 189' ocm 25% 27.5%
 126' ocm 57%, 45%
 189' ocm 10%, 45%
 63' ocm 57%, 65%
 126' m 70%
 63' m 40%
 BHT: 126' Chlor: 34K
 DST #3
 3926-4020

Arbuckle
3983(1662)

4000

CFS ①

CFS ②

50

RTD: 4092(1771)
LTD: 4088(1767)

4100

#	
2	mostly tern - org chita, slp. 2-3 Res slab, tern, md rhom xln, fr vng s, fr str, spted SFO, Fut Od. Data: Tern, md succ xln, Few vngs. Fr str, SFO. 2-3 ss clast, md. crs. well md. fr sact, SFO. Much ool chita Data: Tern - wht, md rhom xln, Fr vngs Scat tile ex. fr-gd sat w/ fr-gd SFO Data: wht. tern, md rhom xln. pr. fr vngs, tite. Scat gd sat, fr SFO, fr-gd Od. Data: wht, md rhom xln. gd intxln, Scat gd vngs. gd sat w/ gd SFO, gd Od. Data: wht, fr - md rhom xln, Fr-gd intxln. Tern mostly barren, No Od. Data: Same AIA, Tern fr succ xln. Scat chikng ex, Fr amt chita, All NS.

I.F. - 6"
F.F. - 4"
IFP: 64-100
FFP: 103-128
SIP: 970-884
HP: 1946-1898

Rec:
3' CO
30' OCM 40%
63' OCM 10%
63' OCM 5%

BHT: 120"

Handwritten signature