



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1249520
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: _____



1249520

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bow Creek Oil Company, General Partnership
Well Name	Simminger A #1-25
Doc ID	1249520

All Electric Logs Run

DIL
CDN
SONIC
MEL



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

1922
1803

TICKET NUMBER 47893
LOCATION Oakley Ks
FOREMAN Jerry Y

FIELD TICKET & TREATMENT REPORT
CEMENT INVOICE #83137

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-25-15	1751	Simminger A 125	25	015	33W	Rawlins
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Bow Creek			772 7118	Michael R		
MAILING ADDRESS			460	Collins		
CITY						
STATE						
ZIP CODE						

Attached
N to curve
5 miles E
1 1/2 N
W into

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 325 CASING SIZE & WEIGHT 8 5/8 24#
CASING DEPTH 311 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 14.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
DISPLACEMENT 18 1/2 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig upon V&T break circulation with rigtree hookup to truck & mix 225 sks com class A cement 3% CC 2% gel wash up + displace with 18 1/2 bbl fresh water + shut in circulated approx 2 bbl to pit

Cement did
circulate

Thank you

Jerry + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54013	1	PUMP CHARGE	1150.00	1150.00
5406	60	MILEAGE	52	3150.00
5407A	10.6	ton mileage delivery	15	1130.00
11045	225 sks	com class A cement	18.55	4173.75
1102	635 #	calcium chloride	94	596.90
1118b	423 #	gel	27	11421
1111	100 #	salt	NC	NC
			Subtotal	7462.86
			less 15% disc.	1119.43
			Subtotal	6343.43
			SALES TAX	328.02
			ESTIMATED TOTAL	6671.46

Ravin 3737

AUTHORIZATION _____

TITLE _____

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

2013

1986
INVOICE # 803318

TICKET NUMBER 46586
LOCATION Oakley, KS
FOREMAN Kelly Gabe

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
2-1-15	1751	Simlinger A 125	25	15	33 ^W	Rawlins ^{KS}	
CUSTOMER Bow Creek		STWOOD N TO CURVE 5E 1 1/2 N W into		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				731	COBY		
CITY		STATE		693	COLIN		
ZIP CODE							

JOB TYPE RTA HOLE SIZE 7 7/8 HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

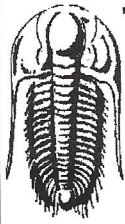
REMARKS: Safety meeting, rigged up on val #7 mixed cement + plugs + displaced as ordered
50 @ 2850
100 @ 2100
50 @ 350
10 @ 40
30 RH
15 MH

Thank you Kelly + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1395.00	1395.00
5406	60	MILEAGE	5.25	315.00
5407A	10.96	Ton mileage delivery	175	1151.32
1131	255 SKS	60/40 POZ	15.80 15.80	4044.30
1118B	877 #	6e1	.27	236.79
1107	641 #	Fla-seal	2.97	189.34
1111	100 #	salt	NC	NC
			Sub	7331.75
			Leads 15.90	1099.76
			Total	6231.99
			SALES TAX	300.19
			ESTIMATED TOTAL	6532.18

RAVIN 3737 AUTHORIZATION [Signature] TITLE _____ DATE 2-1-15

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bow Creek Oil Comp. Partn.

25 1 33 Rawlins KS

1304 Eisenhower RD
Hays KS 67601

Simminger A 1-25

Job Ticket: 60805

DST#: 1

ATTN: Lyle Herrman

Test Start: 2015.01.29 @ 12:32:00

GENERAL INFORMATION:

Formation: **LKC "B&C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:52:30

Time Test Ended: 16:58:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Robert Zodrow

Unit No: 66

Interval: **3970.00 ft (KB) To 4081.00 ft (KB) (TVD)**

Total Depth: 4081.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2993.00 ft (KB)

2983.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8959

Inside

Press@RunDepth: 68.03 psig @ 3971.00 ft (KB)

Start Date: 2015.01.29

End Date:

2015.01.29

Start Time: 12:32:00

End Time:

16:58:00

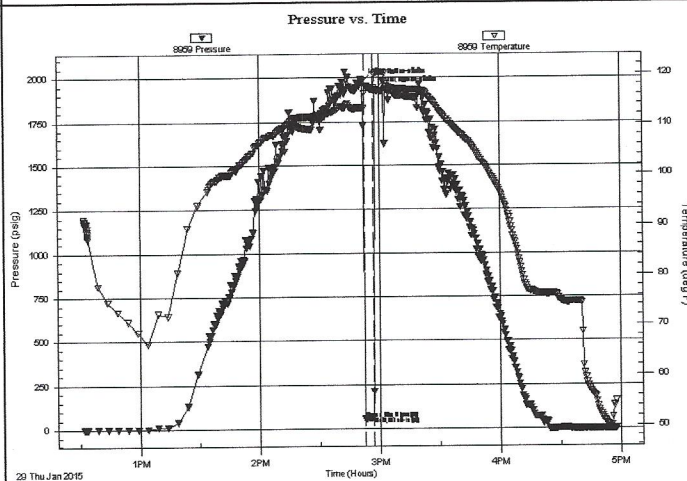
Capacity: 8000.00 psig

Last Calib.: 2015.01.29

Time On Btm: 2015.01.29 @ 14:51:30

Time Off Btm: 2015.01.29 @ 14:57:30

TEST COMMENT: Packer Failed after 5 Mins of the first open



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1975.32	113.21	Initial Hydro-static
1	55.57	116.11	Open To Flow (1)
5	68.03	116.62	End Shut-In(1)
6	1924.94	119.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MUD 100%M	1.15

Gas Rates

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

Serial #: 8959

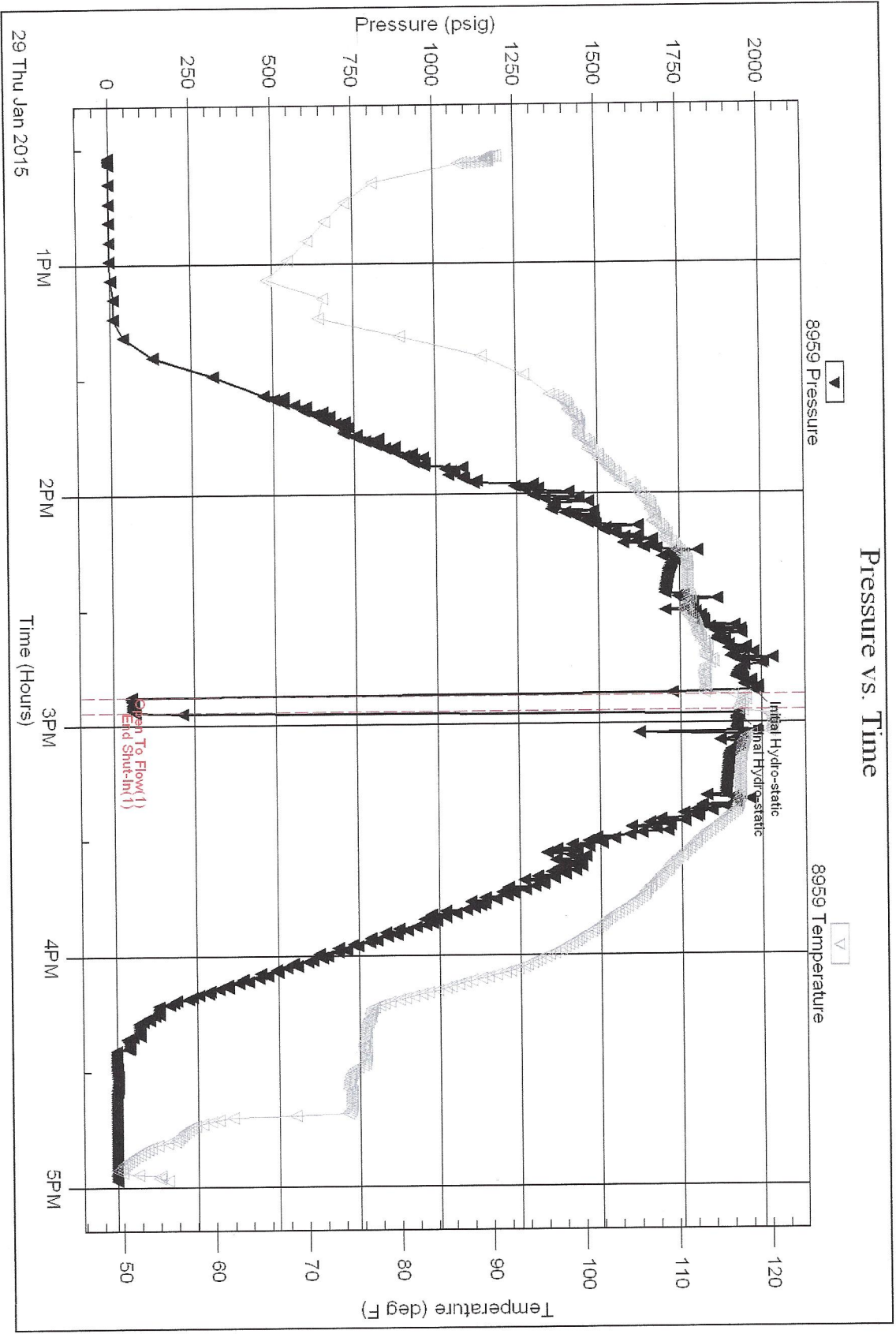
Inside

Bow Creek Oil Camp, Parth.

Shiringer A 1-25

DST Test Number: 1

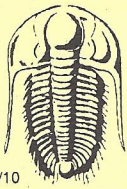
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 60805

Printed: 2015.01.29 @ 17:16:25



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60805

4/10

Well Name & No. Simminger A #1-25 Test No. 1 Date 1-29-2015
 Company Bow Creek Oil Comp. General Partn. Elevation 2993 KB 2983 GL
 Address 1304 Eisenhower RD Hays KS, 67601
 Co. Rep / Geo. Lyle Herrman Rig VAL #7
 Location: Sec. 25 Twp. 1 Rge. 33 W Co. Rawlins State KS

Interval Tested 3970 - 4081 Zone Tested LKC "B+C"
 Anchor Length 111 Drill Pipe Run 3895 Mud Wt. 9
 Top Packer Depth 3966 Drill Collars Run 62 Vis 49
 Bottom Packer Depth 3970 Wt. Pipe Run 0 WL 8.8
 Total Depth 4081 Chlorides 750 ppm System LCM 2

Blow Description Packer Failed after 5 min of the first open

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>mud</u>			<u>100</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 120 BHT 116 Gravity — API RW — @ — °F Chlorides — ppm

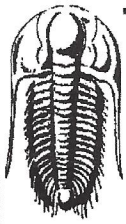
(A) Initial Hydrostatic 1975 Test 10:00 1-29
 (B) First Initial Flow 55 Jars 12:32 1-29
 (C) First Final Flow — Safety Joint 14:52 1-29
 (D) Initial Shut-In — Circ Sub 14:56 1-29
 (E) Second Initial Flow — Hourly Standby 16:56 1-29
 (F) Second Final Flow — Mileage 64 RT
 (G) Final Shut-In 68 Sampler
 (H) Final Hydrostatic 1925 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total

Initial Open
 Initial Shut-In
 Final Flow
 Final Shut-In

Comments
 Sub Total
 Total
 MP/DST Disc't

Approved By [Signature] Our Representative Robert Zedler

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.

DRILL STEM TEST REPORT

Bow Creek Oil Comp. Partn.

25 1 33 Rawlins KS

1304 Eisenhower RD
Hays KS 67601

Simminger A 1-25

Job Ticket: 60806

DST#: 2

ATTN: Lyle Herrman

Test Start: 2015.01.29 @ 17:30:00

GENERAL INFORMATION:

Formation: **LKC "B&C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:51:30

Time Test Ended: 00:18:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Robert Zodrow

Unit No: 66

Interval: **3975.00 ft (KB) To 4081.00 ft (KB) (TVD)**

Reference Elevations: 2993.00 ft (KB)

Total Depth: 4081.00 ft (KB) (TVD)

2983.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8959

Inside

Press@RunDepth: 105.08 psig @ 3976.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.29

End Date: 2015.01.30

Last Calib.: 2015.01.30

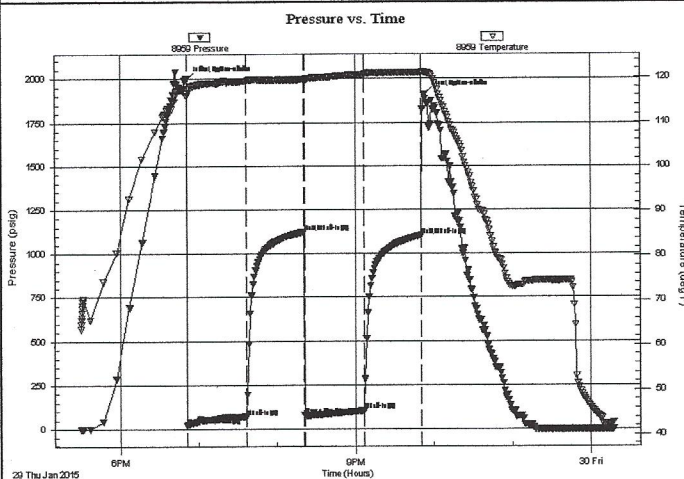
Start Time: 17:30:00

End Time: 00:18:00

Time On Btm: 2015.01.29 @ 18:51:00

Time Off Btm: 2015.01.29 @ 21:53:00

TEST COMMENT: 45-IF- Blow built to 9"
45-ISI- No return
45-FF- Blow built to 5 1/2"
45-FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1998.21	115.92	Initial Hydro-static
1	23.40	116.43	Open To Flow (1)
46	72.36	119.24	Shut-In(1)
90	1124.25	119.56	End Shut-In(1)
90	79.08	118.96	Open To Flow (2)
136	105.08	120.70	Shut-In(2)
180	1104.11	121.11	End Shut-In(2)
182	1912.91	121.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	WM 40%M 60%W	1.15
60.00	MUD 100%M	0.88

* Recovery from multiple tests

Gas Rates

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

Serial #: 8959

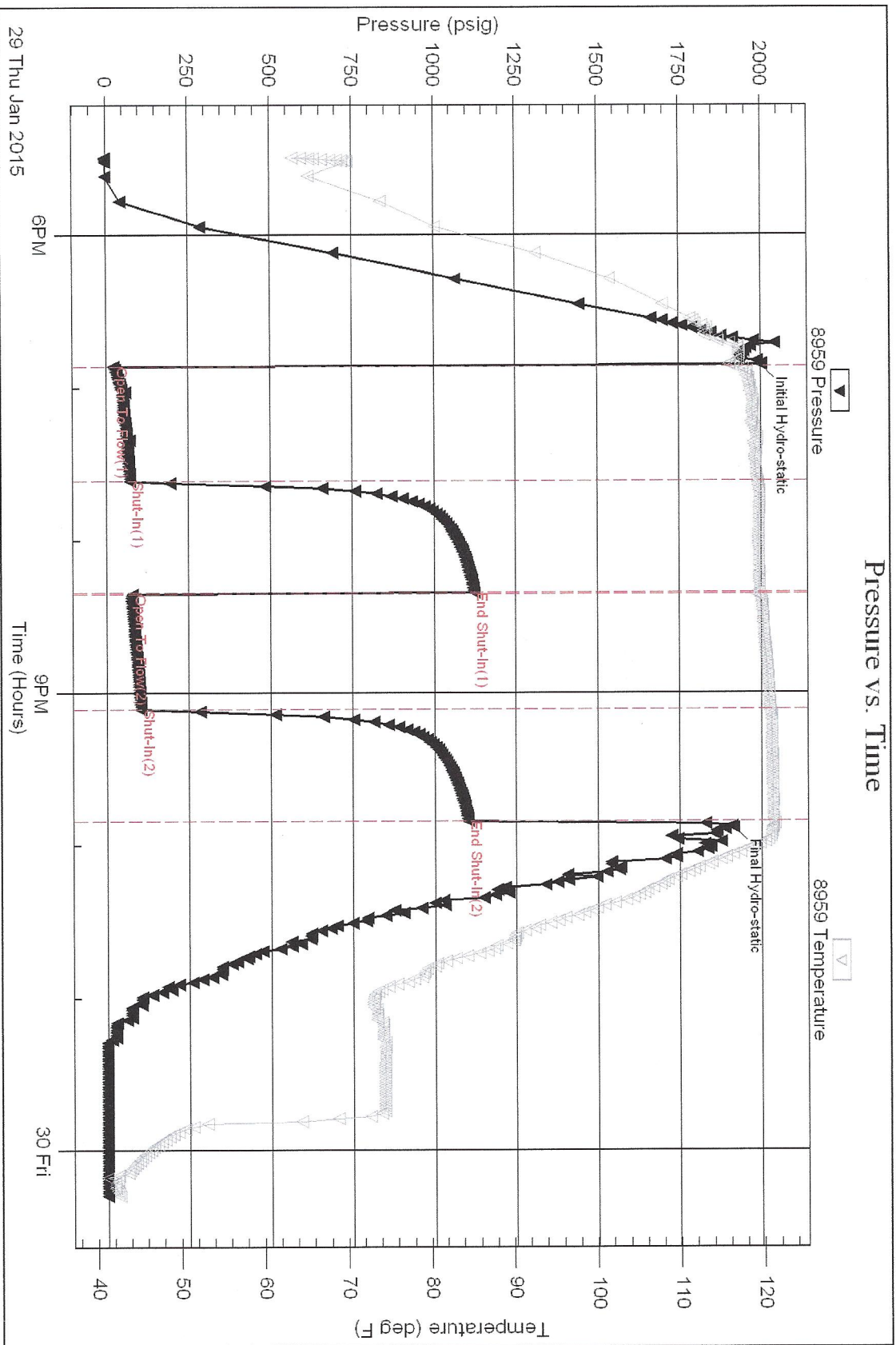
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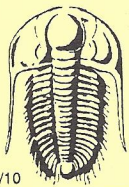
Bow Creek Oil Corp. Pattn.

Simringer A 1-25

DST Test Number: 2

Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60808

4/10

Well Name & No. Simminger A #1-25 Test No. 2 Date 1-29-2015
 Company Bow Creek Oil Elevation 2993 KB 2983 GL
 Address 1304 Eisenhower RD Hays KS, 67601
 Co. Rep / Geo. Lyle Herrman Rig Val #7
 Location: Sec. 25 Twp. I Rge. 33 W Co. Rawlins State KS

Interval Tested 3975 — 4081 Zone Tested LKC "B+C"
 Anchor Length 106 Drill Pipe Run 3898 Mud Wt. 9.4
 Top Packer Depth 3966 Drill Collars Run 62 Vis 49
 Bottom Packer Depth 3971 3975 (shale) Wt. Pipe Run 0 WL 8.8
 Total Depth 4081 Chlorides 750 ppm System LCM 1.5
 Blow Description IF - Blow built to 9"
ISF - NO return
FF - Blow built to 5 1/2"
FST - NO return

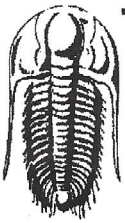
Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>mud</u>			<u>100</u>	
<u>120</u>			<u>60</u>	<u>40</u>	

Rec Total 180 BHT 121 Gravity — API RW 263 @ 54.5 °F Chlorides 40,000 ppm

(A) Initial Hydrostatic 1998 Test 17:00 1-29
 (B) First Initial Flow 23 Jars 17:30 1-29
 (C) First Final Flow 72 Safety Joint 18:51 1-29
 (D) Initial Shut-In 1124 Circ Sub 21:50 1-29
 (E) Second Initial Flow 79 Hourly Standby 00:18 1-30
 (F) Second Final Flow 105 Mileage 0 NC
 (G) Final Shut-In 1104 Sampler
 (H) Final Hydrostatic 1913 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total
 Day Standby Total
 Accessibility MP/DST Disc't
 Sub Total

Approved By _____ Our Representative Robert Zedler

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.

DRILL STEM TEST REPORT

Bow Creek Oil Comp. Partn.

25 1 33 Rawlins KS

1304 Eisenhower RD
Hays KS 67601

Simminger A 1-25

Job Ticket: 60807

DST#: 3

ATTN: Lyle Herrman

Test Start: 2015.01.30 @ 19:05:00

GENERAL INFORMATION:

Formation: **LKC "D-E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:09:00

Time Test Ended: 02:42:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Robert Zodrow

Unit No: 66

Interval: **4068.00 ft (KB) To 4181.00 ft (KB) (TVD)**

Total Depth: 4181.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2993.00 ft (KB)

2983.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8959

Inside

Press@RunDepth: 93.48 psig @ 4069.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.30

End Date: 2015.01.31

Last Calib.: 2015.01.31

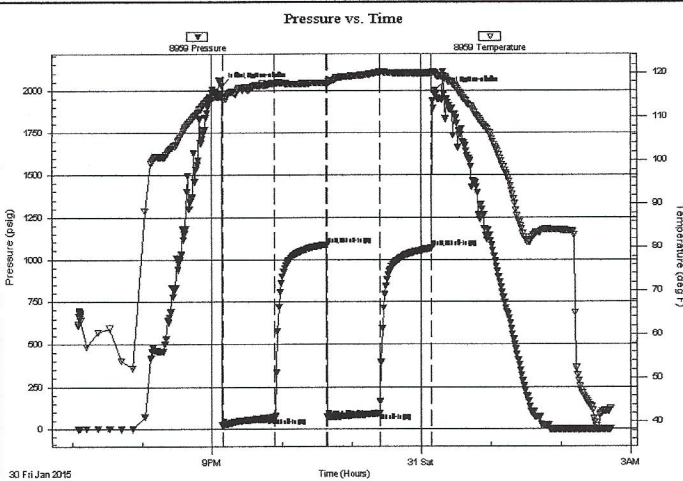
Start Time: 19:05:00

End Time: 02:42:30

Time On Btm: 2015.01.30 @ 21:08:30

Time Off Btm: 2015.01.31 @ 00:12:00

TEST COMMENT: 45-IF- Blow built to 8 1/2"
45-ISI- No return
45-FF- Blow built to 5"
45-FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2025.28	114.56	Initial Hydro-static
1	21.07	114.16	Open To Flow (1)
46	67.78	117.65	Shut-In(1)
90	1087.09	117.74	End Shut-In(1)
91	73.06	117.56	Open To Flow (2)
136	93.48	120.13	Shut-In(2)
181	1066.58	119.92	End Shut-In(2)
184	1999.16	119.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MW 15%M 85%W	0.30
105.00	MWOS 100%M oil spots	1.52

* Recovery from multiple tests

Gas Rates

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

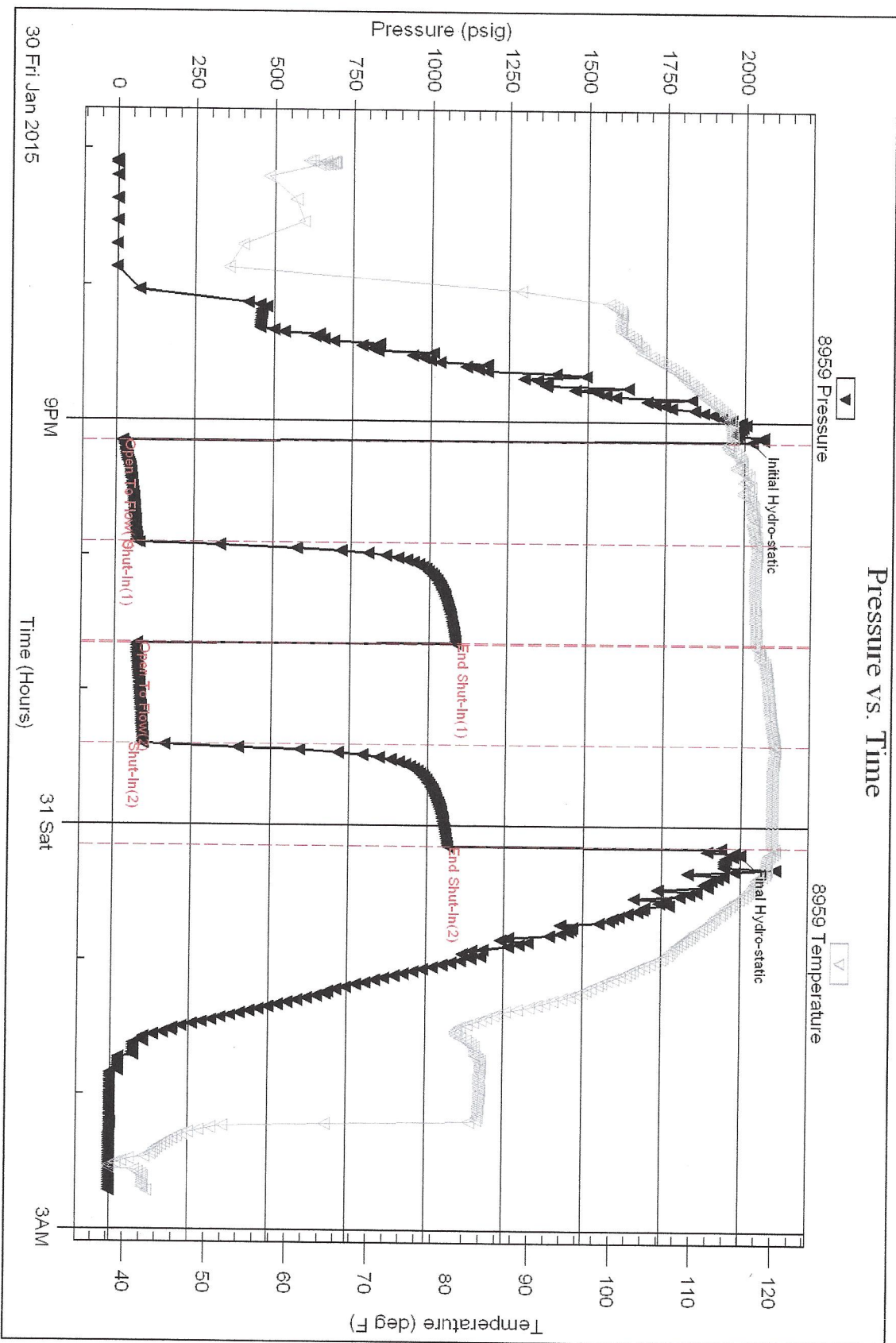
Serial #: 8959

Inside

Bow Creek Oil Comp. Partn.

Slimringer A-1-25

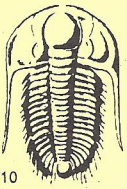
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60807

Printed: 2015.01.31 @ 02:53:35



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60807

4/10

Well Name & No. Simminger A #1-25 Test No. 3 Date 1-30-2015
 Company Bow Creek Oil Elevation 2993 KB 2983 GL
 Address 1304 Eisenhower RD Hays KS, 67601
 Co. Rep / Geo. Lyle Herrman Rig VAL #7
 Location: Sec. 25 Twp. 1 Rge. 33W Co. Rawlins State KS

Interval Tested 4068 — 4181 Zone Tested LKC "D-E"
 Anchor Length 113 Drill Pipe Run 3992 Mud Wt. 9.1
 Top Packer Depth 4064 Drill Collars Run 62 Vis 55
 Bottom Packer Depth 4068 (Shale) Wt. Pipe Run 0 WL 7.6
 Total Depth 4181 Chlorides 750 ppm System LCM 3
 Blow Description IF - Blow built +0 8 1/2"
ISI - No return
FF - Blow built +0 5"
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>105</u>	<u>mws</u>	<u>Spotted</u>		<u>100</u>	
<u>60</u>	<u>mw</u>		<u>85</u>	<u>15</u>	

Rec Total 165 BHT 120 Gravity — API RW 280 @ 50 °F Chlorides 39,000 ppm

(A) Initial Hydrostatic <u>2025</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>18:15 1-30</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars	T-Started <u>19:05 1-30</u>
(C) First Final Flow <u>68</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>21:09 1-30</u>
(D) Initial Shut-In <u>1087</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>00:09 1-31</u>
(E) Second Initial Flow <u>73</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>02:42 1-31</u>
(F) Second Final Flow <u>93</u>	<input checked="" type="checkbox"/> Mileage <u>64 RT</u>	Comments _____
(G) Final Shut-In <u>1066</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>1999</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>45</u>	<input checked="" type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total _____
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total _____	

Approved By _____ Our Representative Robert Zedrow

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