



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1251439  
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: \_\_\_\_\_



1251439

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Bow Creek Oil Company, General Partnership
Well Name	Skolout B 1-25
Doc ID	1251439

All Electric Logs Run

MICRO
DIL
CDN
SONIC



**CONSOLIDATED**  
Oil Well Services, LLC

2208

PO 3303

TICKET NUMBER 46591

2149

LOCATION Oakley, KS

INVOICE # 83461

FOREMAN Kelly Gabel

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
2-19-15	1751	SKolout B1-25	25	1	35	Rawlins	
CUSTOMER		9xwood N-10R2Z 9w in w into		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				445	Jordan		
CITY		STATE	ZIP CODE	693	Colin		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 353 CASING SIZE & WEIGHT 8 5/8 24#  
 CASING DEPTH 353 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 152 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 21bbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: safety meeting, rigged up on Val #7, got circulation mixed  
225 SKS com 3% CC 2% gel, displaced with 21bbl water, shut in.

Cement did circulate

*Thank You  
Kelly & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00
5406	65 mi	MILEAGE	5.25	341.25
5407A	10.6	Ton mileage delivery	1.25	1113.00
11045	225 SKS	Class A cement	18.55	4173.75
1102	635#	Calcium Chloride	.94	596.90
1118B	423#	gel	.27	114.21
1111	100#	salt	NC	NC
			Sub	7489.11
			Less 15070	1123.32
			ATAO	6365.24
			SALES TAX	328.02
			ESTIMATED TOTAL	6693.77

Revin 3737

AUTHORIZATION

*Kelly Gabel*

TITLE

DATE 2-19-15

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.



# ALLIED OIL & GAS SERVICES, LLC 064661

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Dakota

DATE <u>3-1-15</u>	SEC. <u>25</u> TWP. <u>1</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION <u>10:00 pm</u>	JOB START <u>4:00 am</u>	JOB FINISH <u>6:30 am</u>
LEASE <u>Skolout</u>	WELL # <u>1-25</u>	LOCATION <u>Aftwood SW, T12W, 25</u>	COUNTY <u>Racine</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)						

CONTRACTOR <u>Dal</u>	OWNER <u>same</u>
TYPE OF JOB <u>Production 2 stage</u>	
HOLE SIZE <u>7 7/8</u> T.D. <u>4791'</u>	
CASING SIZE <u>5 1/2</u> DEPTH <u>4771.98'</u>	CEMENT AMOUNT ORDERED <u>210 sls ASC 10% sand 20% 5# gilsonite, 590 sls Lite 1/2 #10-300</u>
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL <u>D.V.</u> DEPTH <u>2892.21'</u>	
PRES. MAX MINIMUM	
MEAS. LINE SHOE JOINT <u>41.75'</u>	
CEMENT LEFT IN CSG. <u>46.75'</u>	
PERFS.	
DISPLACEMENT <u>113.05661</u>	

EQUIPMENT			
PUMP TRUCK CEMENTER <u>LaRouette Wash</u>	# <u>431</u>	HELPER <u>Wayne McElghy</u>	
BULK TRUCK	# <u>879/241</u>	DRIVER <u>Darren Rasotte</u>	
BULK TRUCK	# <u>818/287</u>	DRIVER <u>George Grant</u>	

REMARKS:  
 Pump ball 12661  
 Mix 12661 LC, mix 210513 ASC  
 Displace with water cement sand, hand plug 1800 ft. Open D.J. seal 200 ft.  
 Core 1 hr plug mix 15513 plug  
 R.H. 30 sls, mix 550 sls Lite  
 Displace with water cement sand, hand plug  
 Cement did circulate

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@	<u>210 sls</u>	<u>2350 4935.00</u>
	@	<u>64998</u>	<u>59595 1988 11828.60</u>
	@	<u>LC spacer 12661</u>	<u>223.00 2700.00</u>
	@	<u>Fluid loss CP210</u>	<u>19.70 1871.10</u>
	@	<u>99#</u>	
	@	<u>Kel seal 1050#</u>	<u>.98 1029.00</u>
	@	<u>Defoamer 30#</u>	<u>3.50 103.00</u>
	@	<u>Flo seal 298#</u>	<u>2.77 825.06</u>
HANDLING	@	<u>9434 ft<sup>3</sup></u>	<u>2.48 2337.63</u>
MILEAGE	@	<u>2758.33</u>	<u>2.75 7586.02</u>
			<b>TOTAL 33279.41</b>

CHARGE TO: Bow Creek Oil  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE			
DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>2765.25</u>
EXTRA FOOTAGE <u>2nd stage</u>			<u>2406.23</u>
MILEAGE <u>MI HO 70</u>	@	<u>7.70</u>	<u>539.00</u>
MANIFOLD <u>Hood</u>	@		<u>275.00</u>
<u>MI HO 70</u>	@	<u>4.90</u>	<u>308.00</u>
	@		
			<b>TOTAL 6,291.00</b>

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT			
AFU Float shoe	@		<u>545.00</u>
Latex down plug	@		<u>660.00</u>
DV Tool	@		<u>5335.00</u>
Baskets	@	<u>380.00</u>	<u>390.00</u>
Contractors	@	<u>52.00</u>	<u>285.00</u>
			<b>TOTAL 7,220.00</b>

PRINTED NAME \_\_\_\_\_  
 SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 4,6793.41  
 DISCOUNT 18,249.42 (39%) IF PAID IN 30 DAYS  
28,543.98 Net.



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Bow Creek Oil Co.  
1304 Eisenhower Rd  
Hays, KS 67601  
ATTN:

**25-1S-35W Rawlins, KS**

**Skolout #1-25**

Job Ticket: 60889

**DST#: 1**

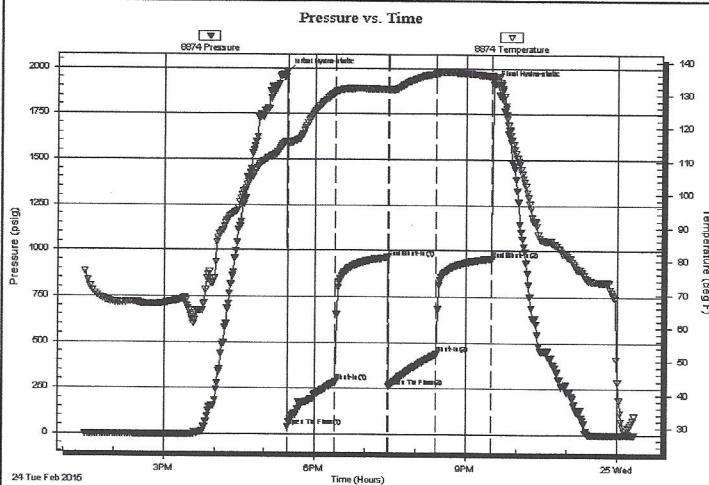
Test Start: 2015.02.24 @ 13:25:00

## GENERAL INFORMATION:

Formation: **LKC "B"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:27:00  
 Time Test Ended: 00:19:30  
 Interval: **4048.00 ft (KB) To 4120.00 ft (KB) (TVD)**  
 Total Depth: 4120.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Kevin Mack  
 Unit No: 82  
 Reference Elevations: 3104.00 ft (KB)  
 3094.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8874** Inside  
 Press@RunDepth: 439.35 psig @ 4049.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.02.24 End Date: 2015.02.25 Last Calib.: 2015.02.25  
 Start Time: 13:25:00 End Time: 00:19:30 Time On Btm: 2015.02.24 @ 17:25:30  
 Time Off Btm: 2015.02.24 @ 21:32:00

**TEST COMMENT:** 60 - IF- BoB in 11 min.  
 60 - IS- No Return  
 60 - FF- BoB in 15 min.  
 60 - FS- No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1978.12	115.85	Initial Hydro-static
2	40.84	115.26	Open To Flow (1)
59	284.60	130.67	Shut-In(1)
120	962.09	131.63	End Shut-In(1)
122	262.87	131.35	Open To Flow (2)
179	439.35	136.39	Shut-In(2)
245	956.60	135.73	End Shut-In(2)
247	1915.29	135.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
439.00	OSMW 5M 95W (oil spots)	5.60
200.00	GOCMW 15G 5o 30M 50W	2.81
315.00	GOCWM 10G 15o 35W 40M	4.42
30.00	GMCWO 10G 15M 25W 50o	0.42

## Gas Rates

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



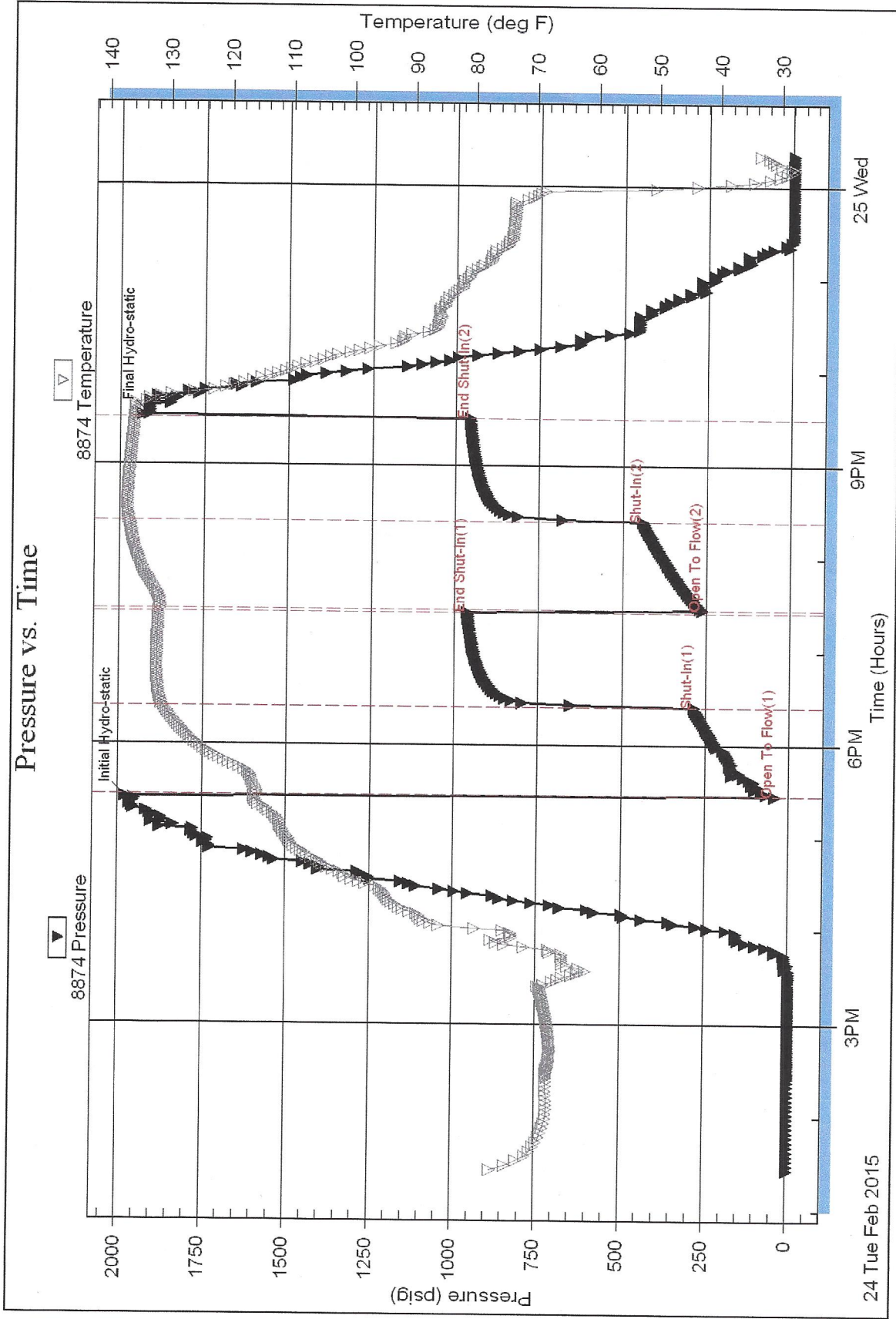
Serial #: 8874

Inside

Bow Creek Oil Co.

Skolout #1-25

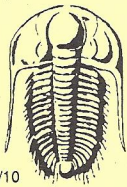
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 60889

Printed: 2015.02.25 @ 00:28:40



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60089

4/10

Well Name & No. Skolout # 1-25 Test No. 1 Date 2-24-15  
 Company Brown Creek Oil Co. Elevation 3104 KB 3094 GL  
 Address 3044 Eisenhower Rd Hays, KS 67601  
 Co. Rep / Geo. \_\_\_\_\_ Rig Van #7  
 Location: Sec. 25 Twp. 1S Rge. 35W Co. Rawlins State KS

Interval Tested 4124-4120 Zone Tested 4K "B"  
 Anchor Length 72' Drill Pipe Run 3987 Mud Wt. 9.1  
 Top Packer Depth 4044 Drill Collars Run 61' Vis 39  
 Bottom Packer Depth 4048 Wt. Pipe Run 0 WL 12  
 Total Depth 4120 Chlorides 1,200 ppm System LCM 8#  
 Blow Description IF - BoB in 11 min.  
ISI - No Return  
FF - BoB in 15 min.  
FSI -

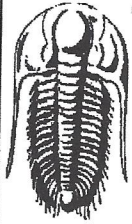
Rec	Feet of			%gas	%oil	%water	%mud
<u>30'</u>	<u>GMCWCS</u>	<u>15</u>	<u>7.5</u>	<u>18</u>	<u>50</u>	<u>25</u>	<u>15</u>
<u>315</u>	<u>GDCGM</u>	<u>47.5</u>	<u>126.78</u>	<u>10</u>	<u>15</u>	<u>35</u>	<u>40</u>
<u>200</u>	<u>GOCMW</u>	<u>10</u>	<u>100</u>	<u>15</u>	<u>5</u>	<u>50</u>	<u>30</u>
<u>439</u>	<u>DSMW</u>	<u>417</u>			<u>50%</u>	<u>95</u>	<u>5</u>
		<u>72.5</u>	<u>651</u>	<u>723</u>			
Rec Total	<u>984</u>	BHT <u>136</u>	Gravity _____	API RW <u>0.19</u>	@ <u>35</u> °F	Chlorides <u>85,000</u>	ppm

(A) Initial Hydrostatic 1978  Test \_\_\_\_\_ T-On Location 1:00 PM  
 (B) First Initial Flow 40  Jars \_\_\_\_\_ T-Started 1:25 PM  
 (C) First Final Flow 284  Safety Joint \_\_\_\_\_ T-Open 5:25 PM  
 (D) Initial Shut-In 962  Circ Sub \_\_\_\_\_ T-Pulled 9:25 PM  
 (E) Second Initial Flow 262  Hourly Standby \_\_\_\_\_ T-Out \_\_\_\_\_  
 (F) Second Final Flow 439  Mileage 90 RT X2 Comments Came out at 7:00 AM  
 (G) Final Shut-In 956  Sampler \_\_\_\_\_ Rig was broke down during  
 (H) Final Hydrostatic 1915  Straddle \_\_\_\_\_ short + rig. Went home to wait  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total \_\_\_\_\_

Initial Open 60  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 60  
 Approved By \_\_\_\_\_ Our Representative [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.



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**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Bow Creek Oil Co.

**25-1S-35W Rawlins, KS**

1304 Eisenhower Rd  
Hays, KS 67601

**Skolout #1-25**

ATTN: Tony Stroup

Job Ticket: 60890

**DST#: 2**

Test Start: 2015.02.25 @ 11:13:00

**GENERAL INFORMATION:**

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:40:30

Time Test Ended: 19:44:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: **4104.00 ft (KB) To 4160.00 ft (KB) (TVD)**

Total Depth: 4160.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 3104.00 ft (KB)

3094.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8874**

**Inside**

Press@RunDepth: 351.19 psig @ 4105.00 ft (KB)

Start Date: 2015.02.25

End Date:

2015.02.25

Capacity: 8000.00 psig

Start Time: 11:13:00

End Time:

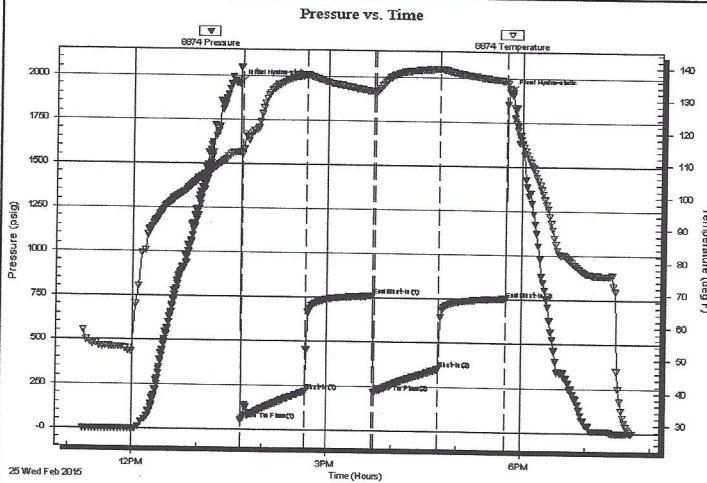
19:44:30

Last Calib.: 2015.02.25

Time On Btm: 2015.02.25 @ 13:38:00

Time Off Btm: 2015.02.25 @ 17:48:30

**TEST COMMENT:** 60 - IF- BoB in 15 min.  
60 - IS- No Return  
60 - FF- BoB in 22 min  
60 - FS- No Return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.99	112.99	Initial Hydro-static
3	52.15	112.59	Open To Flow (1)
62	218.01	137.17	Shut-In(1)
124	759.89	132.29	End Shut-In(1)
126	218.61	131.70	Open To Flow (2)
186	351.19	139.36	Shut-In(2)
247	752.60	135.85	End Shut-In(2)
251	1921.22	133.37	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
5.00	Mud (heavy) 100M	0.02
307.00	OSMW 5M 95W (oil spots)	3.80
126.00	OSMW 10M 90W (oil spots)	1.77
126.00	OSMW 30M 70W (oil spots)	1.77
103.00	OCWM 5o 25W 75M	1.44

**Gas Rates**

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



Serial #: 8874

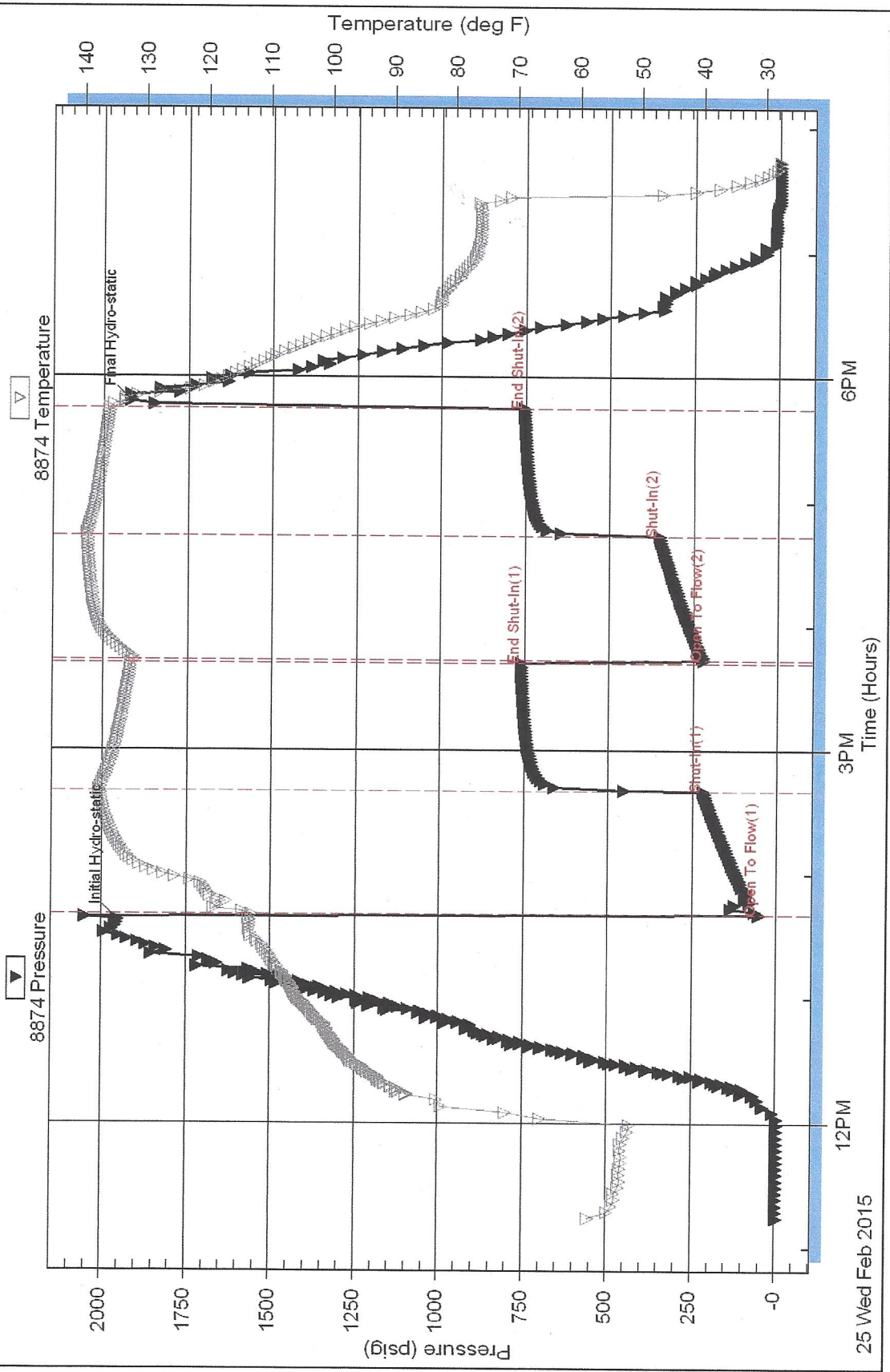
Inside

Bow Creek Oil Co.

Skolout #1-25

DST Test Number: 2

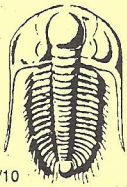
### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 60890

Printed: 2015.02.25 @ 19:56:28



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60890

4/10

Well Name & No. Skolout # 125 Test No. 2 Date \_\_\_\_\_  
 Company Bow Creek Oil Co. Elevation 3104 KB 3094 GL \_\_\_\_\_  
 Address 1304 Eisenhower Rd. Hays, KS 67601  
 Co. Rep / Geo. Tony Stroup Rig Unit #17  
 Location: Sec. 25 Twp. 15 Rge. 35 W Co. Rawlins State KS

Interval Tested 4104-4160 Zone Tested LKC "C"  
 Anchor Length 56' Drill Pipe Run 4023 Mud Wt. 9.3  
 Top Packer Depth 4100 Drill Collars Run 61 Vis 50  
 Bottom Packer Depth 4104 Wt. Pipe Run 0 WL 7.6  
 Total Depth 4160 Chlorides 1200 ppm System LCM 12#  
 Blow Description IF - BoBin 15 min  
ISI -  
FF -  
FST -

Rec	Feet of	%gas	%oil	%water	%mud
<u>400103</u>	<u>OCW</u>	<u>5</u>	<u>20</u>	<u>75</u>	
<u>126</u>	<u>OS MW</u>	<u>SPOTS</u>	<u>70</u>	<u>30</u>	
<u>125</u>	<u>OS MW</u>	<u>SPOTS</u>	<u>90</u>	<u>10</u>	
<u>307</u>	<u>OS MW</u>	<u>SPOTS</u>	<u>95</u>	<u>5</u>	
<u>5</u>	<u>Mud Column</u>			<u>100</u>	

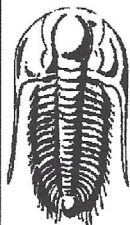
Rec Total 667 BHT 136 Gravity - API RW .18 @ 40 °F Chlorides 75,000 ppm

(A) Initial Hydrostatic 1954  Test \_\_\_\_\_ T-On Location 11:00 AM  
 (B) First Initial Flow 52  Jars \_\_\_\_\_ T-Started 11:13 AM  
 (C) First Final Flow 218  Safety Joint \_\_\_\_\_ T-Open 1:30 PM  
 (D) Initial Shut-In 759  Circ Sub \_\_\_\_\_ T-Pulled 5:30 PM  
 (E) Second Initial Flow 218  Hourly Standby \_\_\_\_\_ T-Out 7:30 PM  
 (F) Second Final Flow 351  Mileage 90 RT Comments \_\_\_\_\_  
 (G) Final Shut-In 752  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1921  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total \_\_\_\_\_  
 Initial Open 60  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 60  
 Sub Total \_\_\_\_\_  
 Total \_\_\_\_\_  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Bow Creek Oil Co.

**25-1S-35W Rawlins, KS**

1304 Eisenhower Rd  
Hays, KS 67601

**Skolout #1-25**

Job Ticket: 60891

**DST#: 3**

ATTN: Tony Stroup

Test Start: 2015.02.26 @ 09:07:00

## GENERAL INFORMATION:

Formation: **LKC "E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:09:30

Time Test Ended: 17:50:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: **4216.00 ft (KB) To 4240.00 ft (KB) (TVD)**

Total Depth: 4240.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 3104.00 ft (KB)

3094.00 ft (CF)

KB to GR/CF: 10.00 ft

## Serial #: 8874

Press@RunDepth: 31.96 psig @ ft (KB)

Start Date: 2015.02.26

End Date: 2015.02.26

Start Time: 09:07:00

End Time: 17:50:30

Capacity: 8000.00 psig

Last Calib.: 2015.02.26

Time On Btm: 2015.02.26 @ 12:07:30

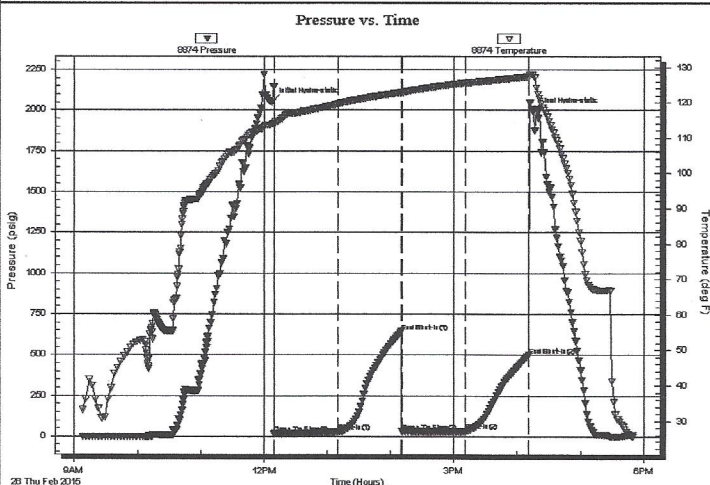
Time Off Btm: 2015.02.26 @ 16:14:00

TEST COMMENT: 60 - IF- Surface Blow built to 1 1/2"

60 - IS- No Return

60 - FF- Surface Blow started at 4 min. Did not build or die.

60 - FSI- No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2052.03	113.83	Initial Hydro-static
2	19.05	113.72	Open To Flow (1)
63	27.08	119.60	Shut-In(1)
123	642.78	122.88	End Shut-In(1)
123	30.79	122.69	Open To Flow (2)
183	31.96	125.62	Shut-In(2)
243	498.38	127.37	End Shut-In(2)
247	1996.83	128.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	VSOCM 2o 98M	0.20

## Gas Rates

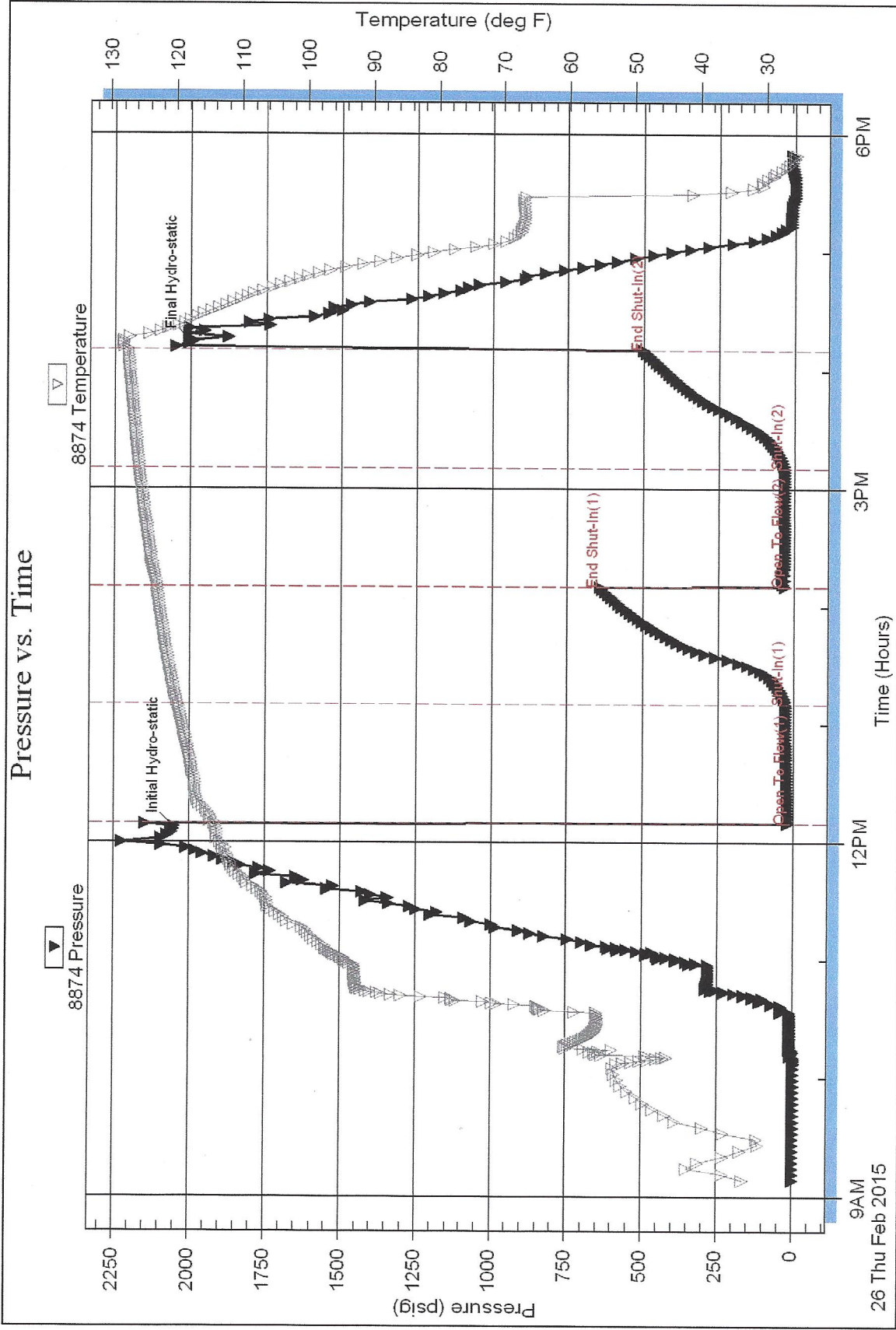
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8874

Bow Creek Oil Co.

Skolout #1-25

DST Test Number: 3

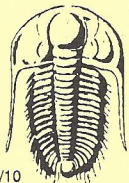


Trilobite Testing, Inc

Ref. No: 60891

Printed: 2015.02.26 @ 17:57:04





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60391

4/10

Well Name & No. Skidder #125 Test No. 3 Date 2-26-15  
 Company East Creek Oil Co. Elevation 3100 KB 30094 GL  
 Address 1241 Eisenhower Rd. Hays, KS 67601  
 Co. Rep / Geo. Tony Stroup Rig Val #7  
 Location: Sec. 25 Twp. 1S Rge. 35 W Co. Rawlins State KS

Interval Tested 4216-4240 Zone Tested LKC "E"  
 Anchor Length 24' Drill Pipe Run 4147' Mud Wt. 9.3  
 Top Packer Depth 4212 Drill Collars Run 61' Vis 500  
 Bottom Packer Depth 4216 Wt. Pipe Run 10 WL 7.6  
 Total Depth 4240 Chlorides 1200 ppm System LCM 2#  
 Blow Description TF - Surface Blow built to 1 1/2"  
IGI - No Return  
FF - Surface Blow started at 4 min. Did not build up after.  
ISI - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>405</u>	<u>USORM</u>	<u>2</u>		<u>97</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

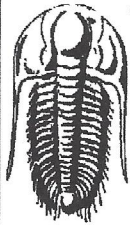
Rec Total 40 BHT 127 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2052  Test 9:00 AM T-On Location 9:00 AM  
 (B) First Initial Flow 19  Jars 9:07 AM T-Started 9:07 AM  
 (C) First Final Flow 27  Safety Joint 12:10 PM T-Open 12:10 PM  
 (D) Initial Shut-In 642  Circ Sub 4:10 PM T-Pulled 4:10 PM  
 (E) Second Initial Flow 30  Hourly Standby 5:50 PM T-Out 5:50 PM  
 (F) Second Final Flow 31  Mileage 90 FT Comments \_\_\_\_\_  
 (G) Final Shut-In 402  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1996  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder start at 10 Sub Total \_\_\_\_\_  
 Day Standby 705, 960 - 6131 Total \_\_\_\_\_  
 Accessibility 705, 960 - 6131 MP/DST Disc't \_\_\_\_\_  
 Sub Total \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative \_\_\_\_\_

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**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Bow Creek Oil Co.

**25-1S-35W Rawlins, KS**

1304 Eisenhower Rd  
Hays, KS 67601

**Skolout #1-25**

Job Ticket: 60892

**DST#: 4**

ATTN: Tony Stroup

Test Start: 2015.02.28 @ 23:02:00

### GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:40:30

Time Test Ended: 10:13:00

Test Type: Conventional Straddle (Initial)

Tester: Kevin Mack

Unit No: 82

**Interval: 4654.00 ft (KB) To 4677.00 ft (KB) (TVD)**

Total Depth: 4759.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 3104.00 ft (KB)

3094.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8874** Inside

Press@RunDepth: 45.92 psig @ 4655.00 ft (KB)

Start Date: 2015.02.28

End Date: 2015.03.01

Capacity: 8000.00 psig

Last Calib.: 2015.03.01

Start Time: 23:02:00

End Time: 10:13:00

Time On Btm: 2015.03.01 @ 03:38:30

Time Off Btm: 2015.03.01 @ 07:12:30

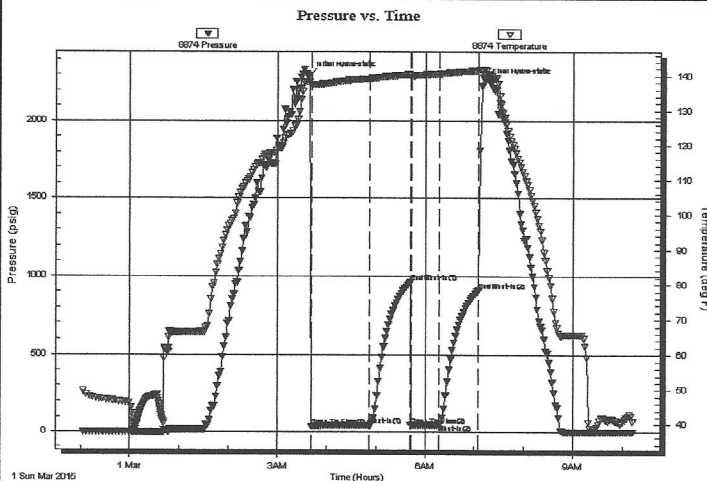
**TEST COMMENT:** 60 - IF- 1/2" Blow built to 1 1/4". Then died back to 1"

60 - IS- No Return

30 - FF- No Blow

30 - FS- No Return

### PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2296.18	138.30	Initial Hydro-static
2	36.16	137.45	Open To Flow (1)
74	42.47	139.22	Shut-In(1)
123	961.58	140.38	End Shut-In(1)
124	44.13	140.11	Open To Flow (2)
158	45.92	140.56	Shut-In(2)
206	910.68	141.51	End Shut-In(2)
214	2257.17	141.76	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100M	0.15

### Gas Rates

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



Serial #: 8874

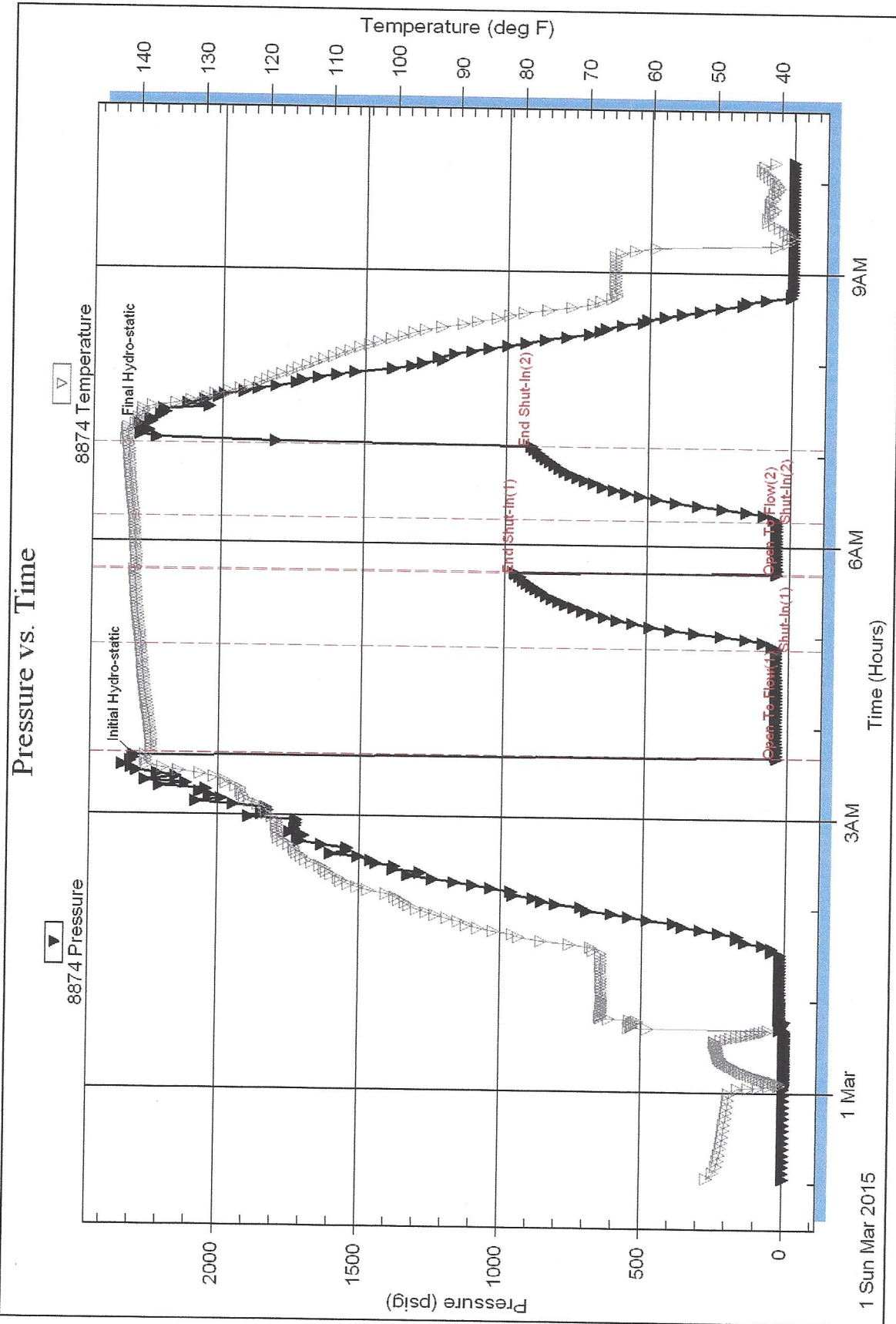
Inside

Bow Creek Oil Co.

Skolout #1-25

DST Test Number: 4

# Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 60892

Printed: 2015.03.01 @ 10:23:07

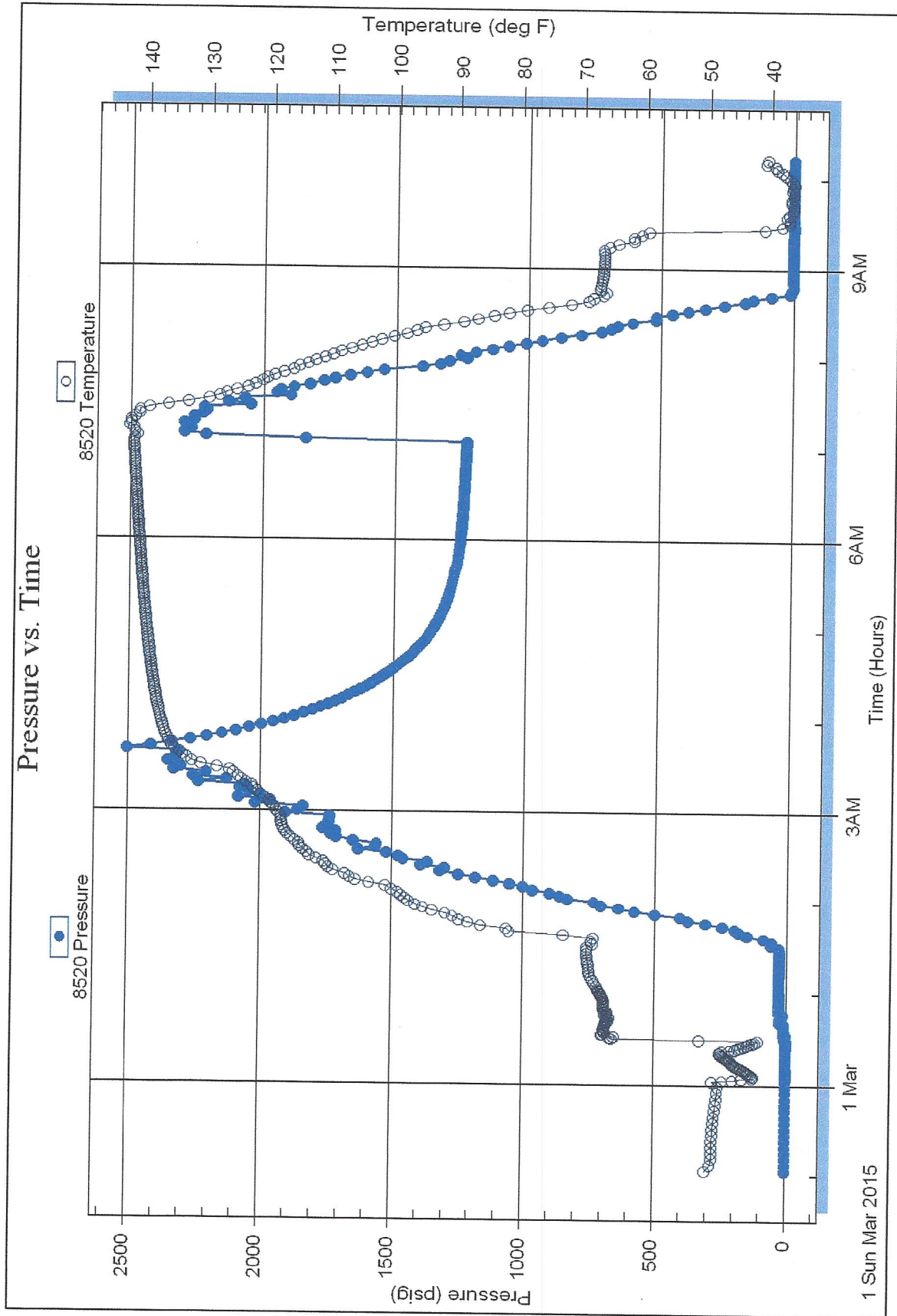


Serial #: 8520

Below (Stratton) Creek Oil Co.

Skolout #1-25

DST Test Number: 4





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 60892

Well Name & No. SKOLOUT #125 Test No. 4 Date 2-28-15  
 Company Bow Creek Oil Co. Elevation 3104 KB 3094 GL  
 Address 1304 Eisenhower Rd. Hays, KS 67601  
 Co. Rep / Geo. Tony Stroup Rig Val #7  
 Location: Sec. 25 Twp. 1S Rge. 35W Co. Rainier State KS

Interval Tested 4654-4677 Zone Tested Johnson  
 Anchor Length 23' Drill Pipe Run 7586 Mud Wt. 9.4  
 Top Packer Depth 4650 Drill Collars Run 61' Vis 50  
 Bottom Packer Depth 4654 - Straddle Packer -> 4677 Wt. Pipe Run 0 WL 8  
 Total Depth 4759' Chlorides 12000 ppm System LCM 10#  
 Blow Description IF - 1/2 Blow bit 70 1/4" Then d-a back to 1"  
ISI - NO Return  
FF - NO Blow  
FSL - NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud</u>			<u>100</u>	

Rec Total 300 BHT \_\_\_\_\_ Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>2296</u>	<input checked="" type="checkbox"/> Test _____	T-On Location <u>11:00 PM</u>
(B) First Initial Flow <u>36</u>	<input checked="" type="checkbox"/> Jars _____	T-Started <u>11:02 PM</u>
(C) First Final Flow <u>42</u>	<input checked="" type="checkbox"/> Safety Joint _____	T-Open <u>3:40 AM</u>
(D) Initial Shut-In <u>961</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>6:40 AM</u>
(E) Second Initial Flow <u>44</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>10:13 AM</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>90 RT</u>	Comments _____
(G) Final Shut-In <u>910</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2257</u>	<input checked="" type="checkbox"/> Straddle _____	<input checked="" type="checkbox"/> Ruined Shale Packer _____
	<input checked="" type="checkbox"/> Shale Packer <u>X2</u>	<input checked="" type="checkbox"/> Ruined Packer _____
Initial Open <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total _____
Final Flow <u>36</u>	<input type="checkbox"/> Day Standby _____	Total _____
Final Shut-In <u>30</u>	<input checked="" type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total _____	

Approved By \_\_\_\_\_ Our Representative

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