



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1249572  
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: \_\_\_\_\_



1249572

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
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<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

<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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Bow Creek Oil Company, General Partnership
Well Name	Simminger 1-25
Doc ID	1249572

All Electric Logs Run

DIL
CDN
SONIC
MICRO

Form	ACO1 - Well Completion
Operator	Bow Creek Oil Company, General Partnership
Well Name	Simminger 1-25
Doc ID	1249572

Tops

Name	Top	Datum
SC	2873	+175
BSC	2914	+134
TOPEKA	3863	-815
OREAD	3968	-920
LKC	4018	-970
BKC	4281	-1233
FT SCOTT	4403	-1355
CHEROKEE	4443	-1395
MISSISSIPPI	4618	-1570

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1071

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-6-2015	25	1	33	Rawlins	KANSAS		5:30 AM
Lease				Location			
SINNINGER				ATWOOD KS. 7N 4E 1/4N 1/4W INTO			
Contractor				Well No.		Owner	
VAL DRUG, RIG # 7				1-25		ROY ROSS	
Type Job				To Quality Oilwell Cementing, Inc.			
SURFACE				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size		T.D.		Charge To			
12 1/4		325		BOW CREEK OIL			
Csg.		Depth		Street			
8 5/8 New		309		City			
Tbg. Size		Depth		State			
23# csg.							
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered			
15'-20'				200 SX 80 20 28 GEL 38CC			
Meas Line		Displace					
313 TOTAL P/B		18 3/4 / BBL					
EQUIPMENT				Common			
				160			
Pumptrk		Cementer		Poz. Mix			
18		GLENN G.		40			
		Helper		Gel.			
		CODY B.		4			
Bulktrk		Driver		Calcium			
9		RYAN M.		8			
		Driver					
		Driver					
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
Set 8 5/8 SURFACE CSG @				Handling			
Receive Circ. Cement w/200 SX				212			
Displace 18 3/4 / BBL H <sub>2</sub> O				Mileage			
SHUT IN @ 300#.				FLOAT EQUIPMENT			
Cement Circulated				Guide Shoe			
Sandy Loc.				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge			
				Surface			
				Mileage			
				66			
				Tax			
				Discount			
				Total Charge			
Signature							
THANKS!							



1811  
1758

PO:1829

TICKET NUMBER 47926  
LOCATION Oakley KS  
FOREMAN Dane Retzlaff

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
1-15-15	1751	Simminger 1-25	25	15	33	RAWLINS
CUSTOMER <u>Box Creek</u>			Atwood North to 314 East 3 miles 1/4 North West into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			772	Mike		
STATE			566	Colin		
ZIP CODE			528	Lance		

JOB TYPE 2-Stage HOLE SIZE 7 7/8 HOLE DEPTH 4639 CASING SIZE & WEIGHT 5 1/2 15.5 LBS  
 CASING DEPTH 4412.91 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER DV Tool at 2890.3  
 SLURRY WEIGHT 14.2/12.5 SLURRY VOL 156/1.72 WATER gal/sk 6.97/9.28 CEMENT LEFT in CASING 12.77  
 DISPLACEMENT 104.72/68.7 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting. Run float equip. Cents on 1, 3, 5, 7, 9, 11, 31, 38  
Basket on 37. DV Tool on 37. Run casing. Circ on bottom 1 hr. Pump 5 ahead mix mud flush  
Pump 5 behind. Mix 150 sks of OWC 5\* Kol seal. Displace 105 BBls. Final lift  
was 900 psi. Plug landed at 1400 psi. Circ 3 hrs. Plug Rlt + ~~at~~ mix 500 sks of  
60/40 Poz mix 800 gal. 1/4 th seal. Displace 70 BBls of water. Final lift was 850 psi  
Plug landed at 1500 psi  
Ball thru at 600 psi  
Tool opened at 900 psi  
25 sks 60/40 Rat hole

Thanks Dane

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401c	1	PUMP CHARGE	3175.00	3175.00
5406	65	MILEAGE	5.25	341.25
5407	29.62	Ten Mileage Delivery	1.75	3369.27
1121a	150 sks	Owc Cement	23.70	3555.00
1112a	750 #	Kol Seal	.56	420.00
1131	525 sks	60/40 Poz mix	15.86	8326.50
1107	151 #	Fib Seal	2.97	389.07
1118A	362	Bentonite	.27	978.24
1144G	500 gal	Mudflush	1.00	500.00
4104	1	5 1/2 Basket	290.00	290.00
4130	8	5 1/2 Centralizers	41.00	488.00
4157	1	5 1/2 WPU Float shoe	433.75	433.75
4454	1	5 1/2 Latchdown Plug Assembly	567.00	567.00
4377A	1	5 1/2 DV Tool	4900.00	4900.00
			Sub	27730.08
			136 1570	4159.51
			Total	23570.57
			SALES TAX	1999.70
			ESTIMATED TOTAL	24970.27

Revin 3737

AUTHORIZATION [Signature] 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.



Serial #: 8647

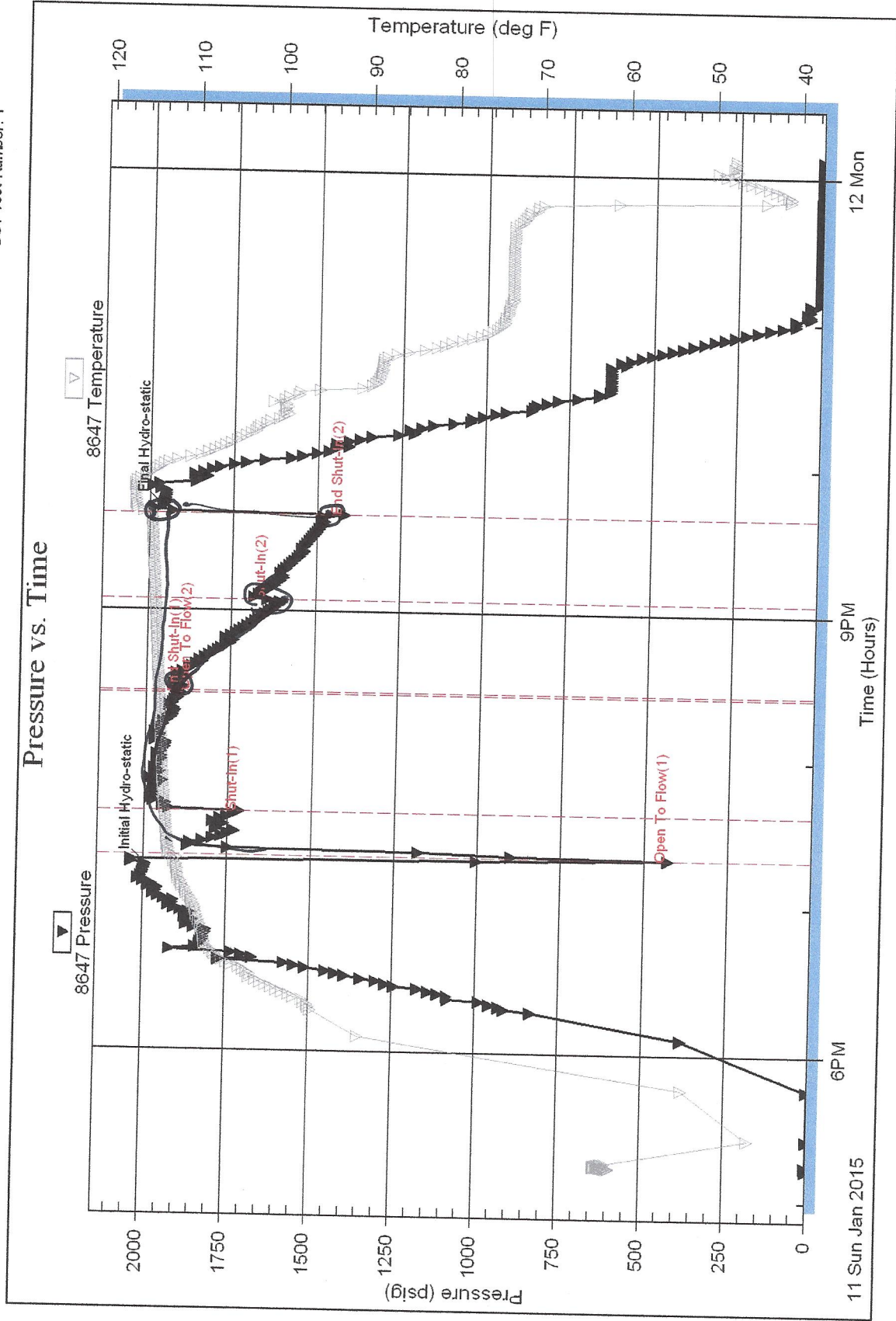
Inside

Bow Creek Oil Co.

Simminger #1-25

DST Test Number: 1

*lycheerman@att.net*

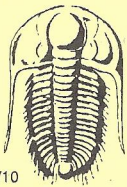


Tribbrite Testing, Inc

Ref. No: 61058

Printed: 2015.01.12 @ 00:18:18





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Branden  
785-639-0586

## Test Ticket

NO. 61058

Well Name & No. Siminger #128 Test No. 1 Date 1-11-15  
 Company Bow Creek Oil Company, General Partner Elevation 3054 KB 3043 GL  
 Address 108 E 12th St., STE 5 Hays, KS 67601  
 Co. Rep / Geo. Tony Stroup Rig Val #7  
 Location: Sec. 25 Twp. 1N Rge. 33W Co. Rawlins State KS

Interval Tested 4027-4130 Zone Tested LKC "B+C"  
 Anchor Length 103 Drill Pipe Run 3971 Mud Wt. 9.3  
 Top Packer Depth 4022 Drill Collars Run 60.15 Vis 48  
 Bottom Packer Depth 4027 Wt. Pipe Run — WL 9.2  
 Total Depth 4130 Chlorides 1450 ppm System LCM 2

Blow Description IF - Opened w/ surface blow, built to 10" and died back 109"  
ISI - No Blow  
FF - surface blow, died back to nothing  
ESI - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>128</u>	<u>Mud w/ oil spots in tool</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 128 BHT 115 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1994  Test \_\_\_\_\_ T-On Location 3:42 PM  
 (B) First Initial Flow 429  Jars \_\_\_\_\_ T-Started 5:13 PM  
 (C) First Final Flow 1716  Safety Joint \_\_\_\_\_ T-Open 7:21 PM  
 (D) Initial Shut-In 1898  Circ Sub \_\_\_\_\_ T-Pulled 10:20 PM 9:36 PM  
 (E) Second Initial Flow 1909  Hourly Standby \_\_\_\_\_ T-Out 12:09 AM  
 (F) Second Final Flow 1644  Mileage 88 R.T. Comments \_\_\_\_\_  
 (G) Final Shut-In 1418  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1960  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Total \_\_\_\_\_  
 Accessibility X1 MP/DST Disc't \_\_\_\_\_  
 Sub Total \_\_\_\_\_

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

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

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 Co.

**25-1n-33w**

108 E. 12th St., Ste 5  
Hays, KS 67601

**Simminger #1-25**

ATTN: Tony Stroup

Job Ticket: 62564

**DST#: 2**

Test Start: 2015.01.12 @ 13:33:00

## GENERAL INFORMATION:

Formation: **LKC " D "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:48:10

Time Test Ended: 20:29:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 78

Interval: **4132.00 ft (KB) To 4192.00 ft (KB) (TVD)**

Total Depth: 4192.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3054.00 ft (KB)

3043.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 6752**

**Inside**

Press@RunDepth: 353.60 psig @ 4133.00 ft (KB)

Start Date: 2015.01.12 End Date: 2015.01.12

Start Time: 13:33:00 End Time: 20:29:20

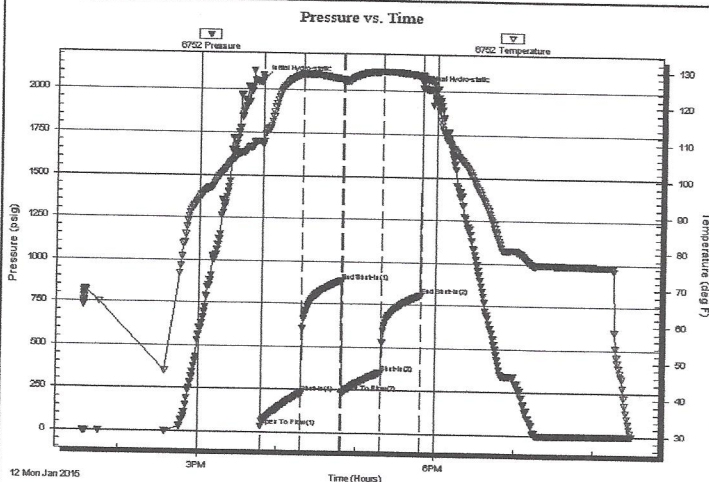
Capacity: 8000.00 psig

Last Calib.: 2015.01.12

Time On Btrn: 2015.01.12 @ 15:48:00

Time Off Btrn: 2015.01.12 @ 17:48:40

**TEST COMMENT:** 30 IF - 2" blow built to BoB @ 5 mins  
30 ISI - Weak surface blow started @ 11 mins  
30 FF - 1/2" blow built to BoB @ 9 mins  
30 FSI - No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2065.09	109.89	Initial Hydro-static
1	33.46	109.11	Open To Flow (1)
30	228.49	128.41	Shut-In(1)
61	886.42	127.11	End Shut-In(1)
61	236.56	126.82	Open To Flow (2)
91	353.60	129.31	Shut-In(2)
121	806.88	128.34	End Shut-In(2)
121	2015.72	128.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCW - 45%M - 55%W	0.30
261.00	MCW - 5%M - 95%W	3.66
248.00	MCW - 10%M - 90%W	3.48
131.00	MCW W/oil spots - 30%M - 70%W	1.84

\* Recovery from multiple tests

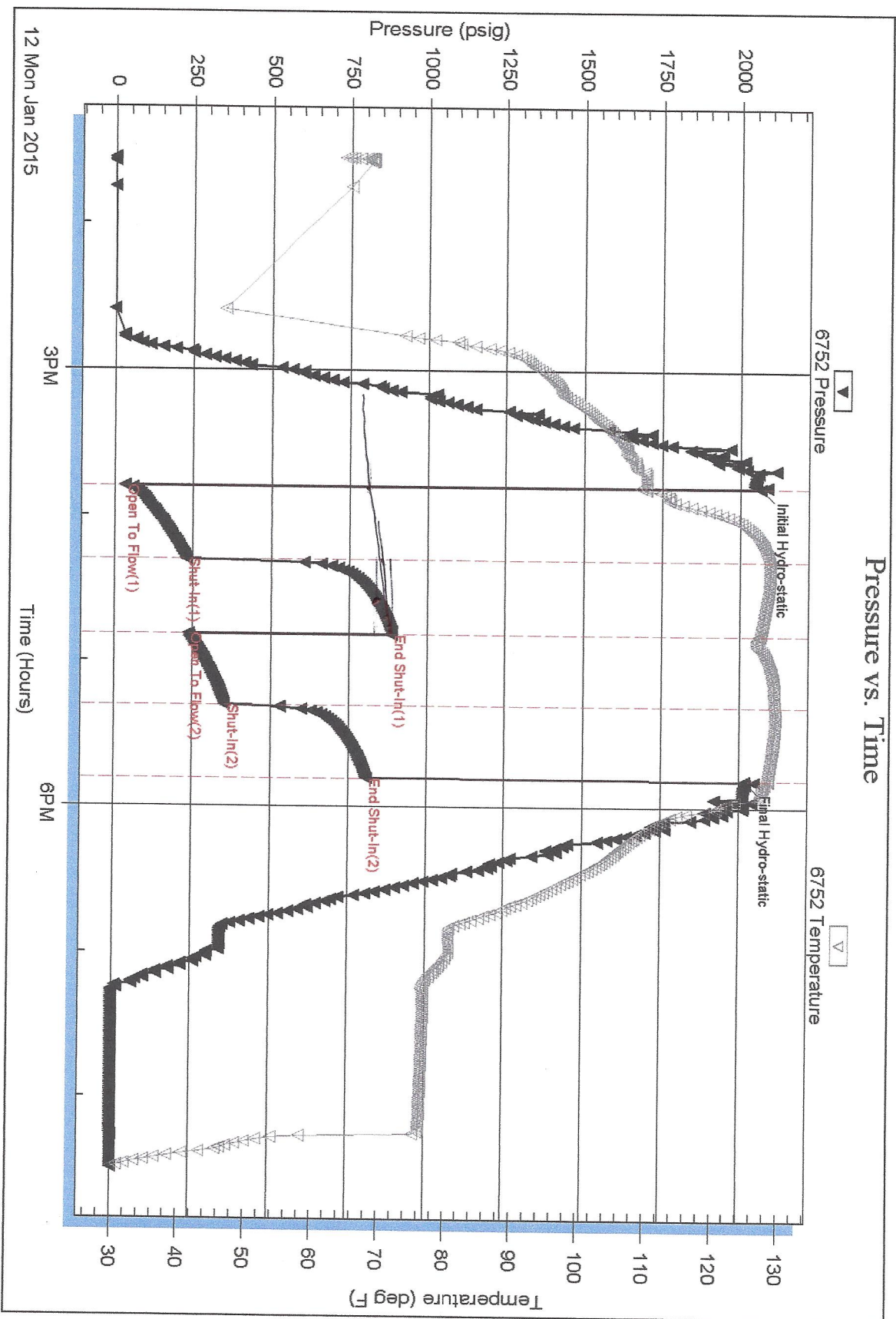
## Gas Rates

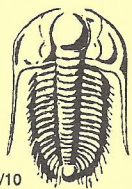
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 6752 Inside Bow Creek Oil Co.

Stiminger #1-25

DST Test Number: 2





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 62564

Well Name & No. Simminger # 1-25 Test No. 2 Date 1/12/15  
 Company Bow Creek Oil Co. Elevation 3054 KB 3043 GL  
 Address 108 E. 12th St. STE 5 Hays KS 67601  
 Co. Rep / Geo. Tony Stroup Rig Vol # 7  
 Location: Sec. 25 Twp. 1N Rge. 33W Co. Rawlins State KS

Interval Tested 4132-4192 Zone Tested 2KC "D"  
 Anchor Length 60' Drill Pipe Run 4085' Mud Wt. 9.04  
 Top Packer Depth 4127 Drill Collars Run 60' Vis 55  
 Bottom Packer Depth 4132 Wt. Pipe Run 0' WL 8  
 Total Depth 4192 Chlorides 750 ppm System LCM 2

Blow Description IF - 1" blow built to BOT @ 5 mins  
ISI - 1" weak surface blow started @ 11 mins  
FF - 1/2" blow built to BOT @ 9 mins  
FSL - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>131</u>	<u>MCW w/oit spots</u>		<u>70</u>	<u>30</u>	
<u>248</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	
<u>261</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	
<u>60'</u>	<u>MCW</u>		<u>55</u>	<u>45</u>	
<u>700'</u>					

Rec Total 700' BHT 128° Gravity — API RW 295 @ 25 ° F Chlorides 76,000 ppm

(A) Initial Hydrostatic 2065  Test 13:00 T-On Location  
 (B) First Initial Flow 33  Jars 13:33 T-Started  
 (C) First Final Flow 228  Safety Joint 15:49 T-Open  
 (D) Initial Shut-In 886  Circ Sub NC 17:49 T-Pulled  
 (E) Second Initial Flow 237  Hourly Standby 20:29 T-Out  
 (F) Second Final Flow 354  Mileage 88 KT Comments  
 (G) Final Shut-In 807  Sampler  
 (H) Final Hydrostatic 2016  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

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 70  
 Final Shut-In 30

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.



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Bow Creek Oil Co.  
108 E. 12th St., Ste 5  
Hays, KS 67601  
ATTN: Tony Stroup

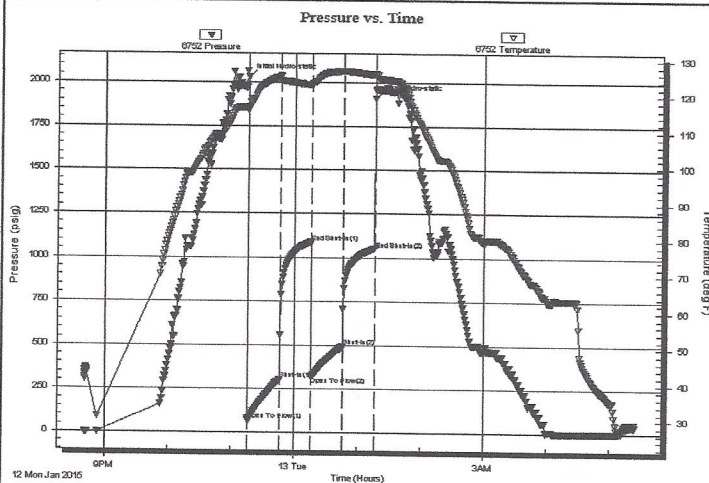
**25-1N-33W Rawlins, KS**  
**Simminger #1-25**  
Job Ticket: 62565      **DST#: 3**  
Test Start: 2015.01.12 @ 20:41:00

## GENERAL INFORMATION:

Formation: **LKC " B - C "**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 23:16:10  
Time Test Ended: 05:23:49  
Interval: **4030.00 ft (KB) To 4127.00 ft (KB) (TVD)**  
Total Depth: 4192.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Good  
Test Type: Conventional Straddle (Reset)  
Tester: Ryan Nichols  
Unit No: 78  
Reference Elevations: 3054.00 ft (KB)  
3043.00 ft (CF)  
KB to GR/CF: 11.00 ft

**Serial #: 6752      Inside**  
Press@RunDepth: 492.82 psig @ 4031.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2015.01.12      End Date: 2015.01.13      Last Calib.: 2015.01.13  
Start Time: 20:41:00      End Time: 05:23:49      Time On Btm: 2015.01.12 @ 23:15:50  
Time Off Btm: 2015.01.13 @ 01:16:39

**TEST COMMENT:** 30 IF - BoB @ 2 mins 40 secs (in diesel)  
30 ISI - Surface blow started @ 6 mins  
30 FF - 1" blow built to BoB @ 4 mins 40 secs  
30 FSI - Surface blow started @ 10 mins built to 1/2"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2028.82	116.75	Initial Hydro-static
1	67.96	116.44	Open To Flow (1)
30	306.47	125.29	Shut-In(1)
60	1083.78	123.02	End Shut-In(1)
60	324.40	122.84	Open To Flow (2)
90	492.82	126.82	Shut-In(2)
121	1048.44	125.74	End Shut-In(2)
121	1908.74	125.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
252.00	GOMCW - 5%M - 15%o - 5%M - 75%W	2.99
317.00	OMCW - 10%o - 20%M - 70%W	4.45
378.00	GOMCW - 5%G - 5%o - 30%M - 60%W	5.30
202.00	GOWCM - 15%G - 10%o - 15%W - 50%W	2.83
15.00	Oil - 100%o	0.21

\* Recovery from multiple tests

## Gas Rates

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

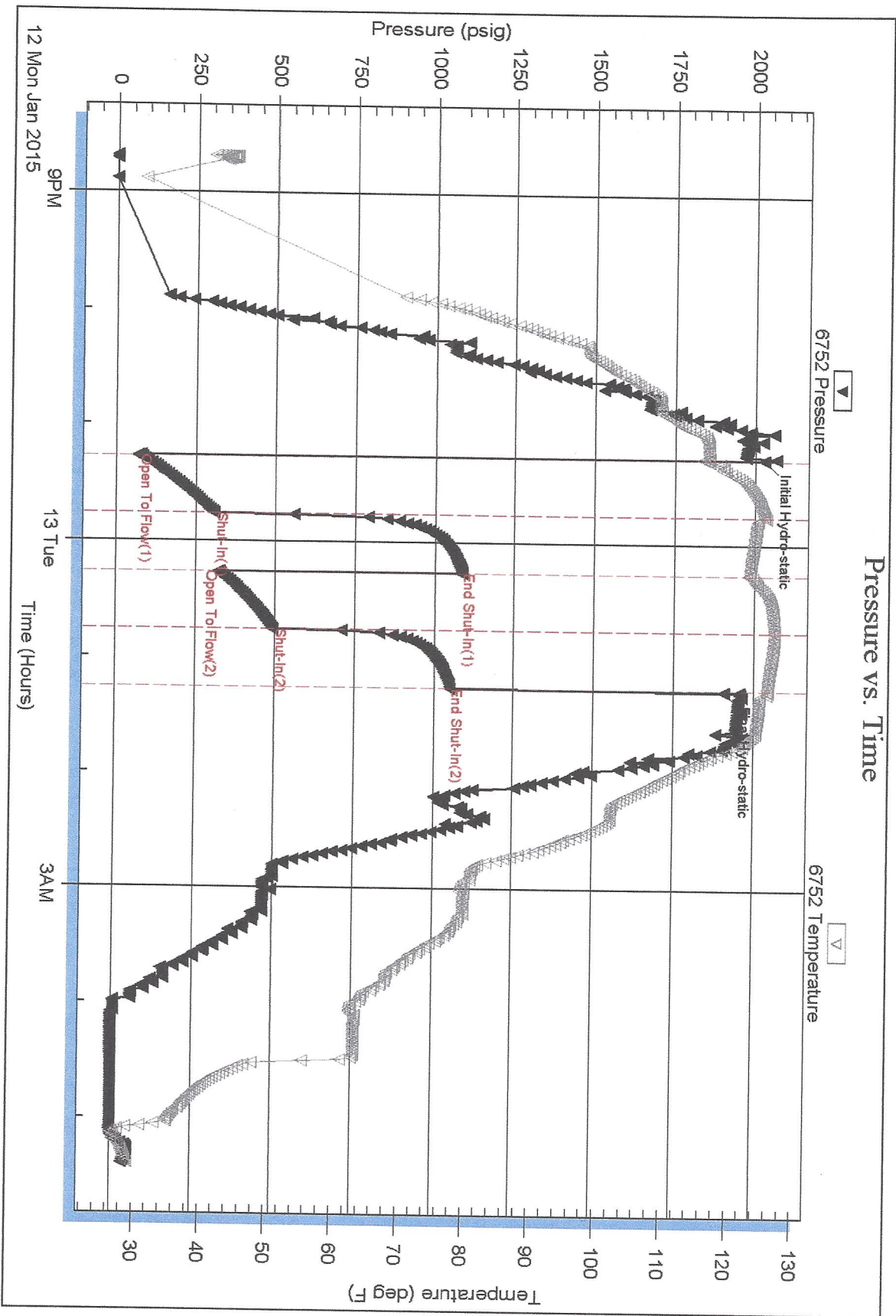
Serial #: 6752

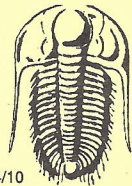
Inside

Bow Creek Oil Co.

Simminger #1-25

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 62585

Well Name & No. Simminger # 1-25 Test No. 3 Date 1/12/15  
 Company Pow Creek Oil Co Elevation 3054 KB 3043 GL  
 Address 102 E 123 St STE 5 Hays KS 67601  
 Co. Rep / Geo. Tony Stroop Rig Val # 7  
 Location: Sec. 25 Twp. 1N Rge. 33W Co. Rawlins State KS

Interval Tested 4030 - 4127 Zone Tested LKC "B-C"  
 Anchor Length 97' Drill Pipe Run 3973' Mud Wt. 9.4  
 Top Packer Depth 4025 4030 Drill Collars Run 60' Vis 55  
 Bottom Packer Depth 4127 (shale) Wt. Pipe Run 0' WL 8.0  
 Total Depth 4192 Chlorides 750 ppm System LCM 2  
 Blow Description IF - BoB @ 2 mins 40 secs (in diesel)  
ISI - Surface blow started @ 6 mins  
FF - 1" blow built to ToD @ 4 mins 10 secs  
ISI -

Rec	Feet of	%gas	%oil	%water	%mud
19	Oil	100			
202	GOMCM	15	10	15	50
378	GOMCW	5	5	60	30
317	GOMCW	10	70	20	
252	GOMCW	5	15	75	5

Rec Total 7164' BHT 126° Gravity 2.25 API RW .230 @ 42 °F Chlorides 64000 ppm

(A) Initial Hydrostatic 2029'  Test 17:49 T-On Location  
 (B) First Initial Flow 68  Jars 20:41 T-Started  
 (C) First Final Flow 306  Safety Joint 23:16 T-Open  
 (D) Initial Shut-In 1084  Circ Sub NL T-Pulled 01:16  
 (E) Second Initial Flow 324  Hourly Standby 05:23 T-Out  
 (F) Second Final Flow 493  Mileage  
 (G) Final Shut-In 1048  Sampler  
 (H) Final Hydrostatic 1909  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies  
 Extra Recorder  
 Day Standby  
 Accessibility  
 Sub Total  
 Total  
 MP/DST Disc't

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.