



1172604

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bowman, William F. dba The Bill Bowman Oil Company
Well Name	Simminger 1
Doc ID	1172604

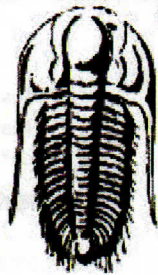
All Electric Logs Run

Dual Induction Log
Dual Compensated Porosity Log
Microresistivity Log
Computer Processed Log

Form	ACO1 - Well Completion
Operator	Bowman, William F. dba The Bill Bowman Oil Company
Well Name	Simminger 1
Doc ID	1172604

Tops

Name	Top	Datum
Anhydrite	2790	+266
Base of Anhydrite	2828	+228
Topeka	3733	-677
Heebner	3941	-885
Lansing	3985	-929
Base of Kansas City	4238	-1182
Marmaton	4260	-1204
Cherokee Shale	4406	-1350
RTD	4620	



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Bowman Oil**

2640 W. Rd
Natoma, KS 67651

ATTN: Ed Glassman

Simminger #1

21-3s-34w Rawlins,KS

Start Date: 2013.11.04 @ 00:42:00

End Date: 2013.11.04 @ 08:37:45

Job Ticket #: 55809 DST #: 1

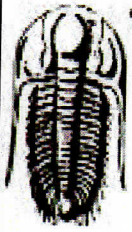
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.14 @ 13:11:59

Bowman Oil
21-3s-34w Rawlins,KS
Simminger #1
DST # 1
Lower Topeka
2013.11.04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bow man Oil
 2640 W. Rd
 Natoma, KS 67651
 ATTN: Ed Glassman

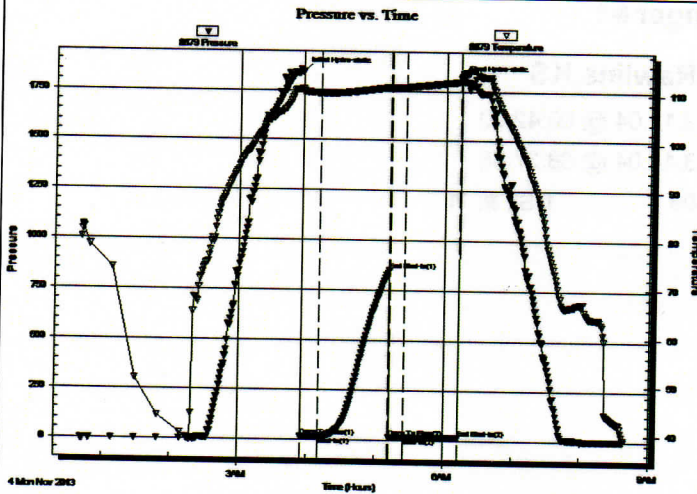
21-3s-34w Rawlins,KS
Simminger #1
 Job Ticket: 55809 **DST#: 1**
 Test Start: 2013.11.04 @ 00:42:00

GENERAL INFORMATION:

Formation: **Lower Topeka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:55:15
 Time Test Ended: 08:37:45
 Interval: **3886.00 ft (KB) To 3916.00 ft (KB) (TVD)**
 Total Depth: 3916.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Royal Fisher
 Unit No: #44
 Reference Elevations: 3054.00 ft (KB)
 3046.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8879 Inside
 Press@RunDepth: 13.30 psig @ 3887.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.04 End Date: 2013.11.04 Last Calib.: 2013.11.05
 Start Time: 00:42:05 End Time: 08:37:44 Time On Btm: 2013.11.04 @ 03:55:00
 Time Off Btm: 2013.11.04 @ 06:13:30

TEST COMMENT: IF - 15 - weak surface blow when opened tool then died
 ISI - 60 - No return
 FF - 15 - Weak surface blow then died off
 FSI - 45 - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1843.71	111.04	Initial Hydro-static
1	12.07	110.18	Open To Flow (1)
15	12.64	110.15	Shut-In(1)
77	852.08	111.44	End Shut-In(1)
78	13.08	111.16	Open To Flow (2)
90	13.30	111.46	Shut-In(2)
138	13.90	112.65	End Shut-In(2)
139	1809.01	113.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud - 100m	0.01

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bow man Oil
 2640 W. Rd
 Natoma, KS 67651
 ATTN: Ed Glassman

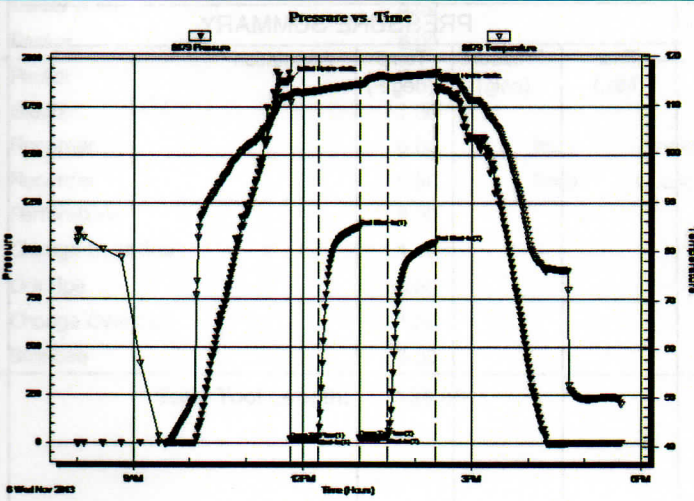
21-3s-34w Rawlins,KS
Simminger #1
 Job Ticket: 55810 **DST#: 2**
 Test Start: 2013.11.06 @ 08:00:00

GENERAL INFORMATION:

Formation: **Toronto - C**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 11:46:45
 Tester: Royal Fisher
 Time Test Ended: 17:39:00
 Unit No: #44
 Interval: **3937.00 ft (KB) To 4045.00 ft (KB) (TVD)**
 Reference Elevations: 3054.00 ft (KB)
 Total Depth: 4045.00 ft (KB) (TVD) 3046.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8879 Inside
 Press@RunDepth: 28.71 psig @ 3938.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.06 End Date: 2013.11.06 Last Calib.: 2013.11.06
 Start Time: 08:00:05 End Time: 17:39:00 Time On Btm: 2013.11.06 @ 11:46:30
 Time Off Btm: 2013.11.06 @ 14:21:45

TEST COMMENT: IF - 30 - weak surface blow built to 1"
 ISI - 45 - no return
 FF - 30 - no surface blow
 FSI - 45 - no return



PRESSURE SUMMARY

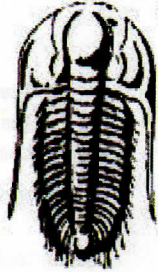
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1892.67	111.79	Initial Hydro-static
1	15.99	110.39	Open To Flow (1)
30	21.42	112.85	Shut-In(1)
74	1124.26	114.14	End Shut-In(1)
75	22.53	113.84	Open To Flow (2)
104	28.71	115.52	Shut-In(2)
155	1041.80	116.37	End Shut-In(2)
156	1855.97	116.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud - 100M	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Bowman Oil**
2640 W. Rd
Natoma, KS 67651

ATTN: Ed Glassman

Simminger #1

21-3s-34w Rawlins,KS

Start Date: 2013.11.08 @ 22:21:00

End Date: 2013.11.09 @ 06:50:20

Job Ticket #: 55101 DST #: 3

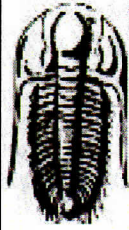
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.14 @ 13:10:26

Bowman Oil
21-3s-34w Rawlins,KS
Simminger #1
DST # 3
LKC " H "
2013.11.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bow man Oil
2640 W. Rd
Natoma, KS 67651
ATTN: Ed Glassman

21-3s-34w Rawlins, KS
Simminger #1
Job Ticket: 55101 **DST#: 3**
Test Start: 2013.11.08 @ 22:21:00

GENERAL INFORMATION:

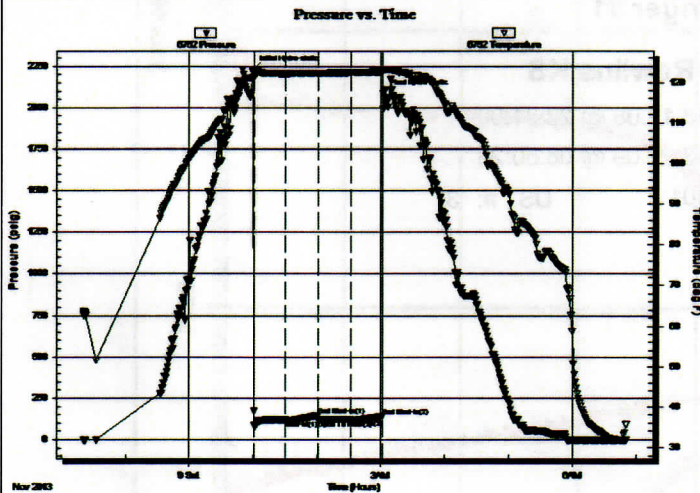
Formation: **LKC "H"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:00:40
Time Test Ended: 06:50:20
Interval: **4085.00 ft (KB) To 4197.00 ft (KB) (TVD)**
Total Depth: 4045.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Straddle (Reset)
Tester: Ryan Nichols
Unit No: 41
Reference Elevations: 3054.00 ft (KB)
3046.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6752

Inside

Press@RunDepth: 121.09 psig @ 4086.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.11.08 End Date: 2013.11.09 Last Calib.: 2013.11.09
Start Time: 22:21:01 End Time: 06:50:20 Time On Btm: 2013.11.09 @ 01:00:10
Time Off Btm: 2013.11.09 @ 03:01:50

TEST COMMENT: 30 IF - 2" blow built to 7"
30 ISI - No return
30 FF - No blow
30 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2229.60	121.27	Initial Hydro-static
1	84.19	121.06	Open To Flow (1)
31	118.59	122.18	Shut-In(1)
61	146.20	122.28	End Shut-In(1)
62	114.55	122.28	Open To Flow (2)
92	121.09	122.44	Shut-In(2)
122	141.90	122.64	End Shut-In(2)
122	2084.15	122.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
78.00	Mud 100%M	1.09

* Recovery from multiple tests

Gas Rates

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