



KANSAS CORPORATION COMMISSION 1055921  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33263  
Name: Bowman, William F. dba The Bill Bowman Oil Company  
Address 1: 2640 W RD  
Address 2: \_\_\_\_\_  
City: NATOMA State: KS Zip: 67651 + 8816  
Contact Person: William "Bill" Bowman  
Phone: ( 785 ) 885-4830  
CONTRACTOR: License # 33793  
Name: H2 Drilling LLC  
Wellsite Geologist: Ed Glassman  
Purchaser: N/A

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SLOW  
 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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
03/24/2011    04/02/2011    04/02/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-109-20991-00-00  
Spot Description: \_\_\_\_\_  
W2 NW NW NE Sec. 21 Twp. 12 S. R. 32  East  West  
330 Feet from  North /  South Line of Section  
2,477 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Logan  
Lease Name: Younkin Well #: 3  
Field Name: Wildcat  
Producing Formation: Mississippian  
Elevation: Ground: 3013 Kelly Bushing: 3024  
Total Depth: 4610 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 226 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: 0 ppm Fluid volume: 0 bbls  
Dewatering method used: Evaporated  
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

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Debra Garrison Date: 05/17/2011



1055921

Operator Name: Bowman, William F. dba The Bill Bowman Oil Company Lease Name: Younkin Well #: 3  
 Sec. 21 Twp. 12 S. R. 32  East  West County: Logan

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <small>Dual Compensated Porosity Log                  Dual Induction Log                  Computer Process Interpretation</small>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface	12.25	8.625	24	226	Class A Cement	160	3% CC 2% GEL

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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	
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 (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-1B.)</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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bowman, William F. dba The Bill Bowman Oil Company
Well Name	Younkin 3
Doc ID	1055921

Tops

Anhydrite	2527	+497
Base of Anhydrite	2551	+473
Heebner	3988	-964
Lansing	4021	-997
Base of Kansas City	4334	-1310
Fort Scott	4495	-1471
Cherokee Shale	4508	-1484
RTD	4610	



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 30711

LOCATION Cakley KS

FOREMAN Pat Heisler

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

**FIELD TICKET & TREATMENT REPORT** H+M  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-24-11	8995	Younkin 3	21	12	32W	Logan

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
The Bill Bowman Oil Company	456 T114	Chad S		
	460	Calvin		

CITY	STATE	ZIP CODE

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 226 CASING SIZE & WEIGHT 8 7/8 24#  
 CASING DEPTH 226 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL 1.18 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 13 DISPLACEMENT PSI 200 MIX PSI 300 RATE 4 bbl/min

REMARKS: Safety meeting. Mix 760 sks 3% cc 2% gel Release Plug Displace  
13 bbl H2O @ 200 PSI shut in @ 100 PSI

Circulated good cement

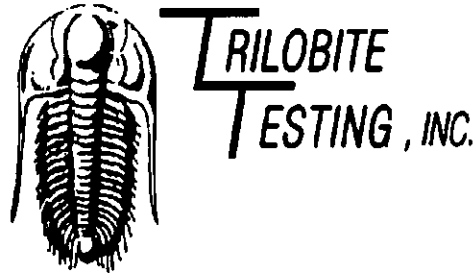
Thank you  
Pat & Erwin

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1025 <sup>00</sup>	1025 <sup>00</sup>
5406	10 mi	MILEAGE	5 <sup>00</sup>	50 <sup>00</sup>
5407	7.52 Ton	Min Bulk Delivery	410 <sup>00</sup>	410 <sup>00</sup>
11045	160 sks	Class "A" Cement	16 <sup>50</sup>	2640 <sup>00</sup>
1114B	451 lbs	Bentonite gel	.24	108 <sup>24</sup>
1102	300 lbs	Calcium Chloride	.54	252 <sup>00</sup>
4432	1	5/8 Wooden Plug	96 <sup>00</sup>	96 <sup>00</sup>
		<u>240174</u>		
		Subtotal		4629 <sup>24</sup>
		Less	2076 <sup>00</sup>	925 <sup>84</sup>
				3703 <sup>40</sup>
		SALES TAX		245 <sup>25</sup>
		ESTIMATED TOTAL		3948 <sup>65</sup>

Form 3737

AUTHORIZATION Steve Craig TITLE Co man DATE 3-24-11

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.



## DRILL STEM TEST REPORT

Prepared For: **Bowman William F. dba**

2640 W Rd.  
Natoma, KS 67651

ATTN: Ed Glassman

**21-12-32 Logan,KS**

**Younkin #3**

Start Date: 2011.04.01 @ 06:19:31

End Date: 2011.04.01 @ 13:53:40

Job Ticket #: 042073          DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Bowman William F. dba

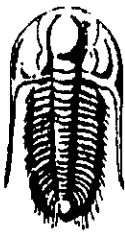
Younkin #3

21-12-32 Logan,KS

DST # 1

Johnson

2011.04.01



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Bowman William F. dba

**Younkin #3**

2640 W Rd.  
Natoma, KS 67651

**21-12-32 Logan, KS**

Job Ticket: 042073

**DST#: 1**

ATTN: Ed Glassman

Test Start: 2011.04.01 @ 06:19:31

### GENERAL INFORMATION:

Formation: **Johnson**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 09:40:56

Time Test Ended: 13:53:40

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **35**

Interval: **4535.00 ft (KB) To 4610.00 ft (KB) (TVD)**

Reference Elevations: **3024.00 ft (KB)**

Total Depth: **4610.00 ft (KB) (TVD)**

**3014.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **10.00 ft**

**Serial #: 8373**

**Inside**

Press@RunDepth: **32.55 psig @ 4536.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.04.01**

End Date:

**2011.04.01**

Last Calib.: **2011.04.01**

Start Time: **06:19:31**

End Time:

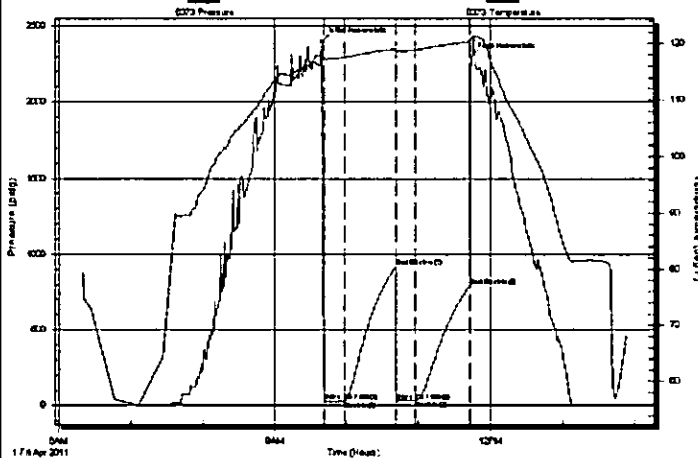
**13:53:40**

Time On Btm: **2011.04.01 @ 09:39:11**

Time Off Btm: **2011.04.01 @ 11:43:25**

**TEST COMMENT:** IF: Surface blow died in 8 min.  
IS: No return.  
FF: No blow . Flushed tool no blow .  
FS: No return.

Pressure vs. Time



### PRESSURE SUMMARY

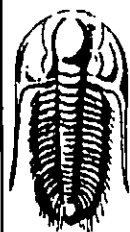
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2398.92	117.84	Initial Hydro-static
2	26.48	117.02	Open To Flow (1)
19	28.37	117.54	Shut-In(1)
62	914.29	119.11	End Shut-In(1)
63	27.70	118.69	Open To Flow (2)
78	32.55	118.92	Shut-In(2)
124	788.37	120.37	End Shut-In(2)
125	2298.30	120.89	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% m	0.05

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Bowman William F. dba

Younkin #3

2640 W Rd.  
Natoma, KS 67651

21-12-32 Logan, KS

Job Ticket: 042073

DST#: 1

ATTN: Ed Glassman

Test Start: 2011.04.01 @ 06:19:31

### Tool Information

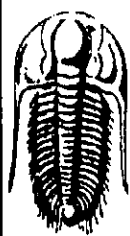
Drill Pipe:	Length: 4298.00 ft	Diameter: 3.80 inches	Volume: 60.29 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 61.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4535.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	95.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4516.00	
Shut In Tool	5.00			4521.00	
Hydraulic tool	5.00			4526.00	
Packer	5.00			4531.00	20.00 Bottom Of Top Packer
Packer	4.00			4535.00	
Stubb	1.00			4536.00	
Recorder	0.00	8373	Inside	4536.00	
Recorder	0.00	8289	Outside	4536.00	
Perforations	5.00			4541.00	
Change Over Sub	1.00			4542.00	
Drill Pipe	62.00			4604.00	
Change Over Sub	1.00			4605.00	
Bullnose	5.00			4610.00	75.00 Bottom Packers & Anchor

**Total Tool Length: 95.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Bow man William F. dba

**Younkin #3**

2640 W Rd.  
Natoma, KS 67651

**21-12-32 Logan,KS**

Job Ticket: 042073

**DST#: 1**

ATTN: Ed Glassman

Test Start: 2011.04.01 @ 06:19:31

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



