



KANSAS CORPORATION COMMISSION 1106692  
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 # 5610  
Name: Bruce Oil Company, L.L.C.  
Address 1: 1704 LIMESTONE RD  
Address 2: \_\_\_\_\_  
City: MCPHERSON State: KS Zip: 67460 + 6500  
Contact Person: Levi Koehn  
Phone: (620) 241-2938  
CONTRACTOR: License # 4958  
Name: Mallard, J. V., Inc.  
Wellsite Geologist: Robert Petersen  
Purchaser: \_\_\_\_\_

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 #: \_\_\_\_\_  
07/12/2012    07/17/2012    07/17/2012  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-141-20445-00-00  
Spot Description: \_\_\_\_\_  
SW SE NW SW Sec. 11 Twp. 9 S. R. 14  East  West  
1490 Feet from  North /  South Line of Section  
975 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Osborne  
Lease Name: Willa Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: n/a  
Elevation: Ground: 1929 Kelly Bushing: 1934  
Total Depth: 3329 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 834 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: 900 ppm Fluid volume: 200 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: Deanna Gamson Date: 01/08/2013



1106692

Operator Name: Bruce Oil Company, L.L.C. Lease Name: Willa Well #: 1  
 Sec. 11 Twp. 9 S. R. 14  East  West County: Osborne

**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>Microresistivity dual compensated porosity dual induction</small>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>base stone corral</td> <td>1178</td> <td>+759</td> </tr> <tr> <td>Topeka</td> <td>2893</td> <td>-959</td> </tr> <tr> <td>Heebner</td> <td>3143</td> <td>-1209</td> </tr> <tr> <td>Lansing</td> <td>3197</td> <td>-1263</td> </tr> <tr> <td>kc</td> <td>3269</td> <td>-1335</td> </tr> </table>	Name	Top	Datum	base stone corral	1178	+759	Topeka	2893	-959	Heebner	3143	-1209	Lansing	3197	-1263	kc	3269	-1335
Name	Top	Datum																	
base stone corral	1178	+759																	
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Lansing	3197	-1263																	
kc	3269	-1335																	

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	834	60/40 posmix	400	2%gel 3%cc

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-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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# ALLIED OIL & GAS SERVICES, LLC 056456

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

785 731 5161  
59 61 89  
5160 PUP

SERVICE POINT:

Russell KS.

DATE 7-17-12	SEC 11	TWP 9S	RANGE 14W	CALLED OUT	ON LOCATION	JOB START 4:30 PM	JOB FINISH 5:00 PM
LEASE <u>Willa</u>	WELL # 1	LOCATION <u>Cover Ks 3W 4N 4E</u>			COUNTY <u>OSBORNE</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Mallard DRIG. Rig #1  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 7 7/8 T.D. 3330  
 CASING SIZE ASB Surface DEPTH 834'  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 X-H DEPTH 1162  
 TOOL DEPTH  
 PRES. MAX 300# MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT

OWNER

CEMENT  
 AMOUNT ORDERED 1165 x 40 49 GEL  
1/4 # Flt Seal Per SX  
 COMMON 99 SX @ 16.25 1608.75  
 POZMIX 66 SX @ 8.50 561.00  
 GEL 6 SX @ 21.25 127.50  
 CHLORIDE  
 ASC  
Flt Seal 50# 2 SX @ 2.70 135.00  
 HANDLING 171 TOTAL SX @ 2.25 384.75  
 MILEAGE 35 Total mile @ 11# 385.00  
 TOTAL 3475.35

EQUIPMENT

PUMP TRUCK CEMENTER Gilman Co.  
 # 417 HELPER Woods  
 BULK TRUCK 187  
 # 473 DRIVER WINTER Ks  
 BULK TRUCK  
 # DRIVER

REMARKS:

25 SX @ 1162'  
100 SX @ 834'  
10 SX @ 40' d.w. plug  
30 SX @ 1/4" Hole  
7 Hours

SERVICE

DEPTH OF JOB  
 PUMP TRUCK CHARGE 1250.00  
 EXTRA FOOTAGE @  
 MILEAGE 35 HV mile @ 7.00 245.00  
 MANIFOLD @  
35 Lv 400 @ 4.00 140.00  
 TOTAL 1635.00

CHARGE TO: Bruce Oil Company  
 STREET  
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

50# extra plug @ 64.00 3200.00  
 TOTAL 64.00

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.

PRINTED NAME Sustin McDowell

SIGNATURE [Signature]

SALES TAX (If Any) 403.59  
 TOTAL CHARGES 5174.35  
 DISCOUNT 20/50 1347.87 IF PAID IN 30 DAYS  
net 3826.48 BS 7-18  
before tax

# ALLIED OIL & GAS SERVICES, LLC 056453

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Russell KS

DATE <u>7-12-12</u>	SEC. <u>11</u>	TWP. <u>9 S</u>	RANGE <u>14W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 Am</u>	JOB FINISH <u>7:30 Am</u>
LEASE <u>Willis</u>	WELL # <u>#1</u>	LOCATION <u>COVERT Ks. 3W 1/4 N 1/4 E</u>	COUNTY <u>OSBORNE</u>	STATE <u>KANSAS</u>	2.01	7.8	
OLD OR NEW (Circle one)							

CONTRACTOR Mallard DRIG. Rig #1  
 TYPE OF JOB Cement Long Sider Pipe  
 HOLE SIZE 12 1/4 ID. 8.34'  
 CASING SIZE 8 5/8 DEPTH 8.34'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL Baffle Plate DEPTH 792  
 PRES. MAX MINIMUM  
 MEAS. LINE 60 SHOE JOINT 43.60  
 CEMENT LEFT IN CSG. 43.  
 PERFS.  
 DISPLACEMENT 50.45 / ABL

OWNER  
 CEMENT AMOUNT ORDERED 400 SX 60 POZ.  
3% cc  
2% GEL  
 COMMON 240 SX @ 16.25 = 3900.00  
 POZMIX 160 SX @ 8.50 = 1360.00  
 GEL 7 SX @ 21.25 = 148.75  
 CHLORIDE 13 SX @ 58.20 = 756.60  
 ASC  
 HANDLING 420 TOTAL SX @ 2.25 = 945.00  
 MILEAGE 35 Total Mile @ .11 = 1617.00  
 14,700 TOTAL 8,727.35

EQUIPMENT  
 PUMP TRUCK CEMENTER GILMAN G.  
 # 417 HELPER WOODY O.  
 BULK TRUCK  
 # 473 DRIVER ROBERT Y.  
 BULK TRUCK  
 # DRIVER KEVIN M.R.

REMARKS:  
Run 19 No. JOINTS OF 8 5/8 24# CG.  
Set @ 834' Release CIRCULATION  
of Cement w/ 400 SX @ 362' FIRST  
100 SX @ 13/9# Release TRP.  
Displace 50.45 BBL H<sub>2</sub>O & LAND  
Plug @ 800' Cement did  
CIRCULATE TO SURFACE  
THANKS

SERVICE  
 DEPTH OF JOB 834  
 PUMP TRUCK CHARGE 1125.00  
 EXTRA FOOTAGE 534 @ 0.95 = 507.30  
 MILEAGE 35 HUME @ 7.00 = 245.00  
 MANIFOLD  
357 HMC @ 4.00 = 1428.00

CHARGE TO: Bruce Oil Company  
 STREET  
 CITY STATE ZIP

TOTAL 2017.3

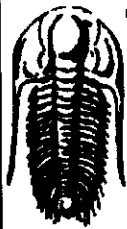
PLUG & FLOAT EQUIPMENT  
 W-1-FIBER Baffle Plate @ 84.00  
 W-1-BASKET @ 335.00  
 W-1-CENTRALIZER @ 45.00  
 IA-1-TRP @ 79.00

TOTAL 543.00

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.

SALES TAX (If Any) 523.25  
 TOTAL CHARGES 11,287.65  
 DISCOUNT 20/50 2858.13 IF PAID IN 30 DAYS  
Net 8429.52  
before tax

PRINTED NAME Mark D. Elsen  
 SIGNATURE Mark D. Elsen



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Bruce Oil Company LLC  
1704 Limestone Rd  
McPherson KS 67460-6500  
ATTN: Lonny Bruce

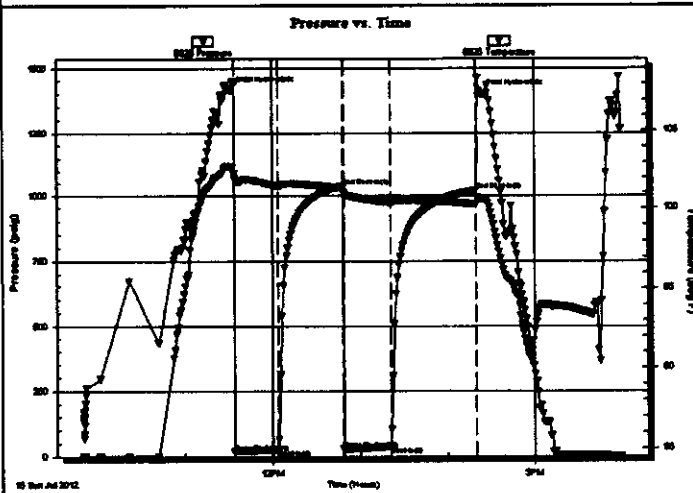
**11-9s-14w Osborne, KS**  
**Willa #1**  
Job Ticket: 47437      DST#: 1  
Test Start: 2012.07.15 @ 09:50:11

### GENERAL INFORMATION:

Formation: **Topeka**  
Deviated: No Whipstock:      ft (KB)  
Time Tool Opened: 11:34:06  
Time Test Ended: 15:59:35  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ray Schwager  
Unit No: 42  
Interval: 2916.00 ft (KB) To 2938.00 ft (KB) (TVD)  
Reference Elevations: 1934.00 ft (KB)  
Total Depth: 2938.00 ft (KB) (TVD)  
1929.00 ft (CF)  
Hole Diameter: 7.85 inches Hole Condition: Fair  
KB to GR/CF: 5.00 ft

Serial #: 6625      Inside  
Press@RunDepth: 40.49 psig @ 2917.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.07.15      End Date: 2012.07.15      Last Calib.: 2012.07.15  
Start Time: 09:50:11      End Time: 15:59:35      Time On Btm: 2012.07.15 @ 11:31:06  
Time Off Btm: 2012.07.15 @ 14:23:05

TEST COMMENT: 30-IFP-surface bl, died in 4min  
45-ISIP-no bl  
30-FFP-no bl  
60-FSIP-no bl



### PRESSURE SUMMARY

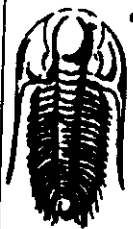
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1414.59	102.71	Initial Hydro-static
3	19.21	101.93	Open To Flow (1)
33	26.95	101.41	Shut-In(1)
77	1039.12	101.29	End Shut-In(1)
78	30.11	100.98	Open To Flow (2)
110	40.49	100.31	Shut-In(2)
169	1021.52	100.21	End Shut-In(2)
172	1400.27	100.55	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w/show of oil	0.02

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Bruce Oil Company LLC

11-9s-14w Osborne, KS

1704 Limestone Rd  
McPherson KS 67460-6500

Willa #1

ATTN: Lonny Bruce

Job Ticket: 47437

DST#: 1

Test Start: 2012.07.15 @ 09:50:11

### GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:34:06

Time Test Ended: 15:59:35

Interval: **2916.00 ft (KB) To 2938.00 ft (KB) (TVD)**

Total Depth: **2938.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

Reference Elevations: 1934.00 ft (KB)

1929.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8700**

Outside

Press@RunDepth: psig @ **2917.00 ft (KB)**

Start Date: **2012.07.15**

End Date:

**2012.07.15**

Start Time: **09:55:40**

End Time:

**15:59:04**

Capacity: **8000.00 psig**

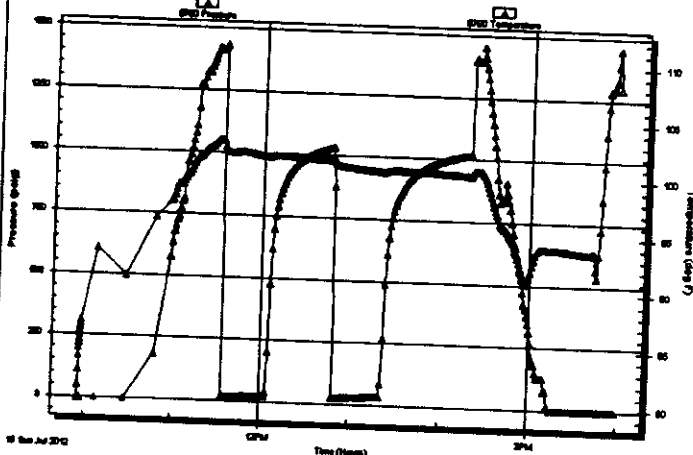
Last Calib.: **2012.07.15**

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP-surface bl, died in 4min  
45-ISIP-no bl  
30-FFP-no bl  
60-FSIP-no bl

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w/show of oil	0.02

### Gas Rates

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

Serial #: 6625

Inside Bruce Oil Company LLC

Well #1

DST Test Number: 1

