



KANSAS CORPORATION COMMISSION 1090628  
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 # 8925  
Name: Liberty Oper & Compl, Inc  
Address 1: 308 W MILL  
Address 2: \_\_\_\_\_  
City: PLAINVILLE State: KS Zip: 67663 + 2229  
Contact Person: Roger L. Comeau  
Phone: ( 785 ) 434-4686  
CONTRACTOR: License # 34481  
Name: Tornado Drilling Company, LLC  
Wellsite Geologist: Tony Richardson  
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  
 Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>10/7/2011</u>	<u>10/16/2011</u>	<u>10/16/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-163-23989-00-00

Spot Description: \_\_\_\_\_

S2 NW SE NW Sec. 28 Twp. 10 S. R. 17  East  West  
1740 Feet from  North /  South Line of Section  
1650 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

County: Rooks

Lease Name: Ganoung B Well #: 1

Field Name: \_\_\_\_\_

Producing Formation: COnglomerate

Elevation: Ground: 2088 Kelly Bushing: 2097

Total Depth: 3775 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: 10000 ppm Fluid volume: 100 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 Garbo Date: 08/29/2012



1090628

Operator Name: Liberty Oper & Compl, Inc Lease Name: Ganoung B Well #: 1  
 Sec. 28 Twp. 10 S. R. 17  East  West County: Rooks

**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 type="checkbox"/> Yes <input checked="" 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: <b>Attached</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input 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	12.250	8.6250	20	230	Common	150	3% cc 2% Gel
Production	7.8750	5.500	15.5	1200	Common	425	1/4 lb flow seal
Production	7.8750	5.500	15.5	3782	Common	150	10% salt 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 (Amount and Kind of Material Used)	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
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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"/> Comming'ed <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	Liberty Oper & Compl, Inc
Well Name	Ganoung B 1
Doc ID	1090628

All Electric Logs Run

CDL/CNL
PE MEL
D/L
Sonic

Form	ACO1 - Well Completion
Operator	Liberty Oper & Compl, Inc
Well Name	Ganoung B 1
Doc ID	1090628

Tops

Anhydrite	1354	+743
Topeka	3073	-976
Heebner	3298	-1206
Toronto	3317	-1220
l/KC A	3338	-1241
Stark Shale	3532	-1435
b/KC	3589	-1492
Conglomerate	3628	-1531
Arbuckle	3718	-1621



# ALLIED CEMENTING CO., LLC. 035820

12250 8.6250 20  
78750 5.500 15.5  
78750 61500 15.5

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

SERVICE POINT:  
RUSSELL, KS

DATE <u>10-8-11</u>	SEC. <u>28</u>	TWP. <u>10</u>	RANGE <u>17</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00am</u>	JOB FINISH <u>5:30pm</u>
LEASE <u>Unknown</u>	WELL # <u>B-1</u>	LOCATION <u>3 1/2 S of Plainville</u>	COUNTY <u>Rooks</u>	STATE <u>KS</u>			
OLD OR <u>NEW</u> (Circle one)	<u>4E 2 1/2 S Einto</u>						

CONTRACTOR <u>Tornado Drilling</u>	OWNER
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>8 5/8</u>	T.D. <u>230</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>230</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15#</u>	
PERFS.	
DISPLACEMENT <u>1345</u>	
EQUIPMENT	
PUMP TRUCK # <u>409</u>	CEMENTER <u>Heath</u>
BULK TRUCK # <u>410</u>	HELPER <u>Cody</u>
BULK TRUCK #	DRIVER <u>Mark</u>
BULK TRUCK #	DRIVER

CEMENT	AMOUNT ORDERED		
COMMON	<u>150</u>	@ <u>16.25</u>	<u>2437.50</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>5</u>	@ <u>58.00</u>	<u>291.00</u>
ASC		@	
HANDLING	<u>158</u>	@ <u>2.25</u>	<u>355.50</u>
MILEAGE	<u>.11/mi</u>	@	<u>275.46</u>
TOTAL			<u>3443.21</u>

REMARKS:

Ran 5 joints 8 5/8 casing & landing joint  
Est. Circulation with mud pump  
Mixed 150 gr. Disp 13.45 bbl H2O  
Cement did circulate 1.5 THOUS.

CHARGE TO: Liberty Oil  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE	<u>4/125.00</u>	
EXTRA FOOTAGE	@	<u>119.00</u>
MILEAGE	<u>17</u>	@ <u>7.00</u> <u>119.00</u>
MANIFOLD	@	
LVM	<u>17</u>	@ <u>4.00</u> <u>68.00</u>
TOTAL		<u>1121.00</u>

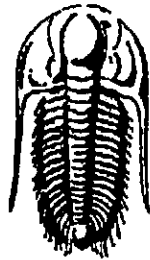
PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

To Allied Cementing Co., 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 Tommy Richardson  
SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 4194.21 4755.21  
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Liberty Oper & Comp, Inc**

308 w Mill  
Plainville KS 67663

ATTN: Roger L Comeau

**Ganoung B #1**

**2-10s-17w Rooks,KS**

Start Date: 2011.10.14 @ 01:25:30

End Date: 2011.10.14 @ 11:17:00

Job Ticket #: 44852                      DST #: 1

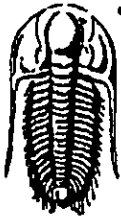
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.10.27 @ 08:04:26

Liberty Oper & Comp, Inc  
2-10s-17w Rooks,KS  
Ganoung B #1  
DST # 1  
Conglomerate  
2011.10.14



**TRIOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Liberty Oper & Comp, Inc

2-10s-17w Rooks, KS

308 w Mill  
Plainville KS 67663

Ganoung B #1

Job Ticket: 44852

DST#: 1

ATTN: Roger L. Corneau

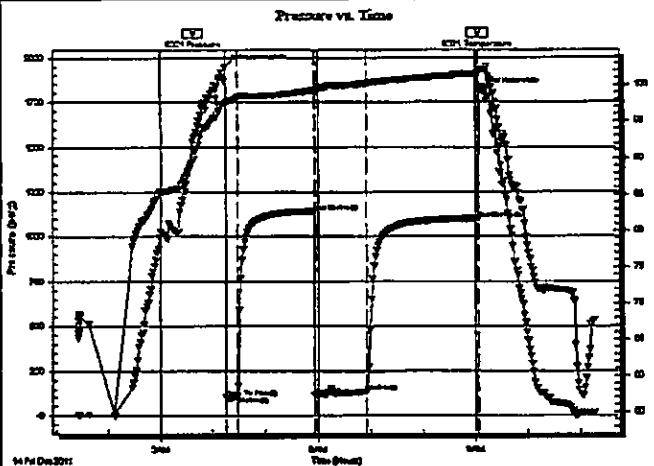
Test Start: 2011.10.14 @ 01:25:30

### GENERAL INFORMATION:

Formation: **Conglomerate**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: 04:15:30  
 Time Test Ended: 11:17:00  
 Interval: **3575.00 ft (KB) To 3698.00 ft (KB) (TVD)**  
 Total Depth: **3698.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 Inches** Hole Condition: **Good**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Jeff Brown**  
 Unit No: **44**  
 Reference Elevations: **2097.00 ft (KB)**  
**2089.00 ft (CF)**  
**KB to GR/CF: 8.00 ft**

Serial #: **8321** Inside  
 Press@RunDepth: **133.20 psig @ 3675.00 ft (KB)**  
 Start Date: **2011.10.14** End Date: **2011.10.14**  
 Start Time: **01:25:31** End Time: **11:17:00**  
 Capacity: **8000.00 psig**  
 Last Calib.: **2011.10.14**  
 Time On Btm: **2011.10.14 @ 04:15:00**  
 Time Off Btm: **2011.10.14 @ 09:04:00**

TEST COMMENT: FFP-Fair blow built to 4 1/4 in  
 IS-Dead no blow back  
 FFP-Good blow built to 10 1/2 in  
 FSI-Dead no blow back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1948.73	97.50	Initial Hydro-static
1	100.15	97.44	Open To Flow (1)
14	104.73	98.34	Shut-in(1)
101	1137.53	99.27	End Shut-in(1)
101	111.56	99.09	Open To Flow (2)
161	133.20	100.22	Shut-in(2)
289	1100.04	101.59	End Shut-in(2)
289	1812.81	101.74	Final Hydro-static

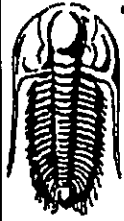
### Recovery

Length (ft)	Description	Volume (bbl)
52.00	SOQM 5% O 95% M	0.73
72.00	MCO 40% M 60% O	1.01
16.00	Free Oil	0.22

### Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Liberty Oper & Corp, Inc

2-10s-17w Rooks, KS

308 w MI  
Plainville KS 67663

Ganoung B #1

Job Ticket: 44852      DST#: 1

ATTN: Roger L Corneau

Test Start: 2011.10.14 @ 01:25:30

**Tool Information**

Drill Pipe:	Length: 3577.00 ft	Diameter: 3.80 inches	Volume: 50.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 32000.00 lb
			<u>Total Volume: 50.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 25000.00 lb
Depth to Top Packer:	3575.00 ft			Final 27000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	123.00 ft			
Tool Length:	143.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3556.00	
Shut In Tool	5.00			3561.00	
Hydraulic tool	5.00			3566.00	
Packer	4.00			3570.00	20.00      Bottom Of Top Packer
Packer	5.00			3575.00	
Stubb	1.00			3576.00	
Perforations	4.00			3580.00	
Change Over Sub	1.00			3581.00	
Drill Pipe	93.00			3674.00	
Change Over Sub	1.00			3675.00	
Recorder	0.00	8321	Inside	3675.00	
Recorder	0.00	8737	Outside	3675.00	
Perforations	20.00			3695.00	
Bullnose	3.00			3698.00	123.00      Bottom Packers & Anchor

**Total Tool Length: 143.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Liberty Oper & Corp, Inc

2-10s-17w Rooks,KS

308 w Mill  
Plainville KS 67663

Ganoung B #1

Job Ticket: 44852      DST#: 1

ATTN: Roger L Corneau

Test Start: 2011.10.14 @ 01:25:30

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
52.00	SOCM 5%O95%M	0.729
72.00	MCO 40%M60%O	1.010
16.00	Free Oil	0.224

Total Length: 140.00 ft

Total Volume: 1.963 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

