

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1209140

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

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: _____

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

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 <i>(Attach Additional Sheets)</i>	☐ Yes	☐ No	☐ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☐ Yes	☐ No	Name	Top	Datum
Cores Taken	☐ Yes	☐ No			
Electric Log Run	☐ Yes	☐ No			
List All E. Logs Run:					

CASING RECORD ☐ New ☐ 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
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ 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 (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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5)</i> ☐ Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 4472

Cell 785-324-1041

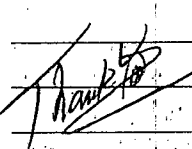
Date	12-15-10	Sec.	27	Twp.	7	Range	20	County	Rooks	State	Kansas	On Location		Finish	12:00pm
Lease	Avis		Well No.		1		Location R-18 & Hwy 24 2E 1N 1W								
Contractor	Discovery Drilling Rig 3							Owner							
Type Job	Plug							To Quality, Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	7 7/8		T.D.		3415		Charge To Blake Exploration								
Csg.			Depth				Street								
Tbg. Size			Depth				City State								
Tool			Depth				City State								
Cement Left in Csg.			Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace				Cement Amount Ordered 220 60/40 48 Gal 2 1/2 Flt Seal								

EQUIPMENT

Pumptrk	3	No.	Cementer	Steve	Common	132
Bulktrk	3	No.	Driver	Brandon	Poz. Mix	88
Bulktrk		No.	Driver		Gel.	8

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal 55 #
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
1st Plug @ 1545 25sx	CFL-117 or CD110 CAF 38
2nd " " 870 100sx	Sand
3rd " " 275 40sx	Handling 228
4th " " 40 10sx	Mileage
Rat Hole 30sx	FLOAT EQUIPMENT
Mouse Hole 15sx	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	1 88 Wood Plug
	Pumptrk Charge plug
	Mileage 52

 X Signature John Smith	Tax
	Discount
	Total Charge

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. 4402

Date	12-10-10	Sec.	27	Twp.	7	Range	20	County	ROOKS	State	KS	On Location		Finish	4:00PM
Lease	Avis		Well No.	2		Location Damar N to Hwy 24 E 1/2 N E into									
Contractor Discovery #3								Owner							
Type Job Surface								To Quality Oilwell Cementing, Inc. 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 12 1/4								T.D. 223							
Csg. 8 5/8 (23 1/2)								Depth 222.29							
Tbg. Size								Depth							
Tool								Depth							
Cement Left in Csg. 10-15'								Shoe Joint							
Meas Line								Displace 13.18 bbls							
								Charge To Blake Exploration							
								Street							
								City							
								State							
The above was done to satisfaction and supervision of owner agent or contractor.															
								Cement Amount Ordered 150 com 35cc 2 bbls							

EQUIPMENT

Pumptrk	9	No.	Cement Helper	Brandon
Bulktrk	8	No.	Driver	Paul
Bulktrk	Py	No.	Driver	Doug

Common	150
Poz. Mix	
Gel.	3
Calcium	5

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Cement did Circulo

Hulls

Salt

Flowseal

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling 158

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets'

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge Surface

Mileage 52

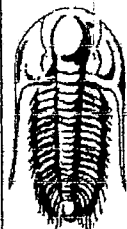
Tax

Discount

Total Charge

X
Signature

John Lasker



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration, LLC

Avis #1

Po Box 150
Bogue Ks 67625

27-7s-20w

Job Ticket: 041016

DST#: 1

ATTN: Mike Davignon

Test Start: 2010.12.13 @ 11:19:01

GENERAL INFORMATION:

Formation: **LKC- A & Toronto**

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

Time Tool Opened: 13:14:31

Time Test Ended: 18:15:01

Test Type: **Conventional Bottom Hole**

Tester: **Jeff Brown**

Unit No: **44**

Interval: **3145.00 ft (KB) To 3200.00 ft (KB) (TVD)**

Total Depth: **3200.00 ft (KB) (TVD)**

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

Reference Elevations: **1978.00 ft (KB)**

1970.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6672 Inside

Press@RunDepth: **32.19 psig @ 3182.00 ft (KB)**

Start Date: **2010.12.13**

End Date:

2010.12.13

Capacity: **8000.00 psig**

Last Calib.: **2010.12.13**

Start Time: **11:19:01**

End Time:

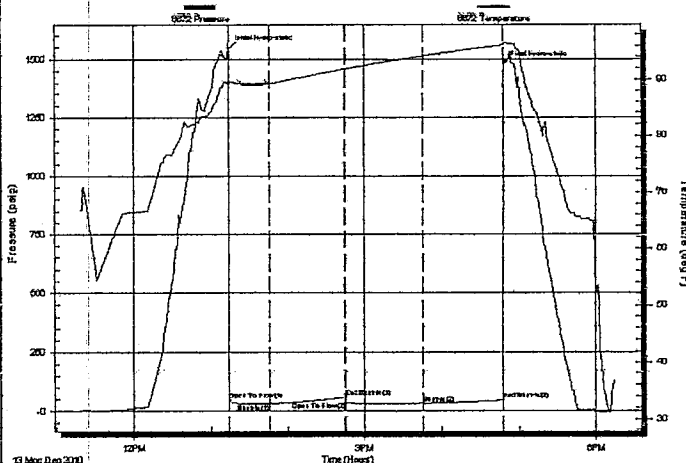
18:15:01

Time On Btm: **2010.12.13 @ 13:14:01**

Time Off Btm: **2010.12.13 @ 16:48:31**

TEST COMMENT: IFP-Weak surface blow Built to 1 1/4 in
ISI-Weak surface blow back
FFP-Weak blow built to 1/8 in
FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

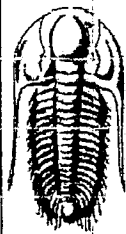
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1544.90	89.77	Initial Hydro-static
1	48.85	89.17	Open To Flow (1)
32	30.27	89.38	Shut-In(1)
91	58.01	91.90	End Shut-In(1)
91	38.22	91.91	Open To Flow (2)
152	32.19	94.18	Shut-In(2)
214	45.96	96.09	End Shut-In(2)
215	1476.23	96.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud with a scum of oil	0.01

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MMcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration, LLC

Avis #1

Po Box 150
Bogue Ks 67625

27-7s-20w

Job Ticket: 041017

DST #: 2

ATTN: Mike Davignon

Test Start: 2010.12.14 @ 03:27:18

GENERAL INFORMATION:

Formation: LKC-C-F

Deviated: No Whipstock ft (KB)

Time Tool Opened: 05:42:18

Time Test Ended: 09:26:18

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3220.00 ft (KB) To 3269.00 ft (KB) (TVD)

Total Depth: 3269.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1978.00 ft (KB)

1970.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6672 Inside

Press@RunDepth: 39.56 psig @ 3256.00 ft (KB)

Start Date: 2010.12.14

End Date: 2010.12.14

Start Time: 03:27:18

End Time: 09:26:18

Capacity: 8000.00 psig

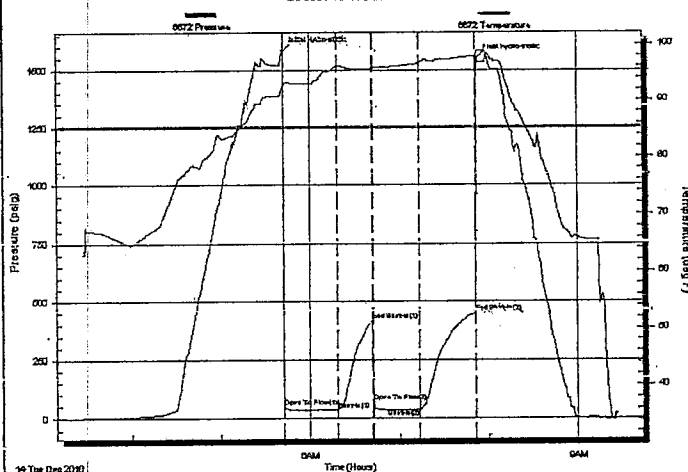
Last Calib.: 2010.12.14

Time On Btm: 2010.12.14 @ 05:41:48

Time Off Btm: 2010.12.14 @ 07:52:48

TEST COMMENT: IFP-Weak blow Built to 1 1/2 in
ISI-Dead no blow back
FFP-Weak blow built to 1/4 in
FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

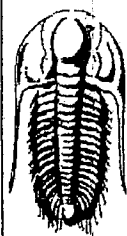
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.80	92.93	Initial Hydro-static
1	49.05	92.58	Open To Flow (1)
37	36.36	96.03	Shut-In (1)
60	420.28	95.65	End Shut-In (1)
61	66.89	95.44	Open To Flow (2)
92	39.56	96.78	Shut-In (2)
130	453.20	97.82	End Shut-In (2)
131	1551.07	98.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud with oil spots	0.02

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MMcfd)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration, LLC

Avis #1

Po Box 150
Bogue Ks 67625

27-7s-20w

Job Ticket: 041018

DST#: 3

ATTN: Mike Davignon

Test Start: 2010.12.14 @ 22:48:45

GENERAL INFORMATION:

Formation: LKC-I-J-K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:44:15

Time Test Ended: 04:44:45

Interval: 3350.00 ft (KB) To 3415.00 ft (KB) (TVD)

Total Depth: 3415.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Reference Elevations: 1978.00 ft (KB)

1970.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6672

Inside

Press@RunDepth: 47.51 psig @ 3389.00 ft (KB)

Start Date: 2010.12.14

End Date:

2010.12.15

Start Time: 22:48:45

End Time:

04:44:45

Capacity: 8000.00 psig

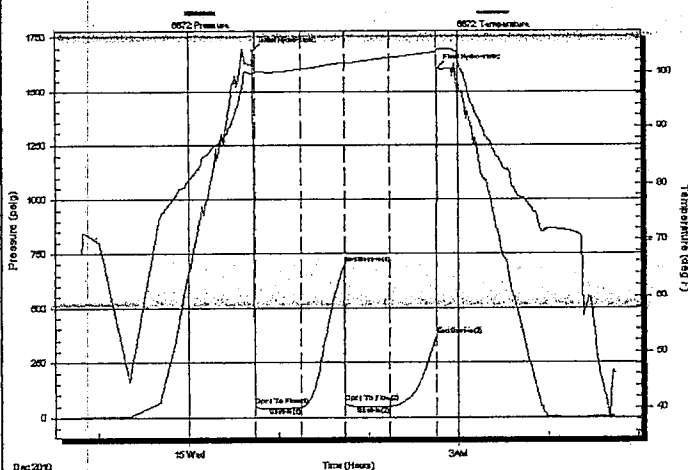
Last Calib.: 2010.12.15

Time On Btm: 2010.12.15 @ 00:43:15

Time Off Btm: 2010.12.15 @ 02:46:15

TEST COMMENT: IFP-Weak surface blow built to 2 1/2 in
ISI-Dead no blow back
FFP-Weak blow built to 1/4 in
FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1686.03	100.02	Initial Hydro-static
1	52.38	100.02	Open To Flow (1)
32	42.65	100.51	Shut-In (1)
61	699.35	101.71	End Shut-In (1)
61	66.84	101.53	Open To Flow (2)
91	47.51	102.58	Shut-In (2)
122	370.61	103.54	End Shut-In (2)
123	1604.38	103.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	Mud with a scum of oil	0.21

Gas Rates

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