



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1102885

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 # _____

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
- ☐ Conv. to GSW
- ☐ Plug Back: _____ Plug Back Total Depth _____
- ☐ Commingled Permit #: _____
- ☐ Dual Completion Permit #: _____
- ☐ SWD Permit #: _____
- ☐ ENHR Permit #: _____
- ☐ GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or
Recompletion Date 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- ☐ Letter of Confidentiality Received
- Date: _____
- ☐ Confidential Release Date: _____
- ☐ Wireline Log Received
- ☐ Geologist Report Received
- ☐ UIC Distribution
- ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____

1102885

Operator Name: _____ Lease Name: _____ Well #: _____

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

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 ☐ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No

Electric Log Run ☐ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample
Name Top Datum

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				

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: <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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	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

Cell 785-324-1041

No. 0120

11-10-12

Date	11-9-12	Sec.	27	Twp.	14	Range	13	County	Russell	State	Ks	On Location		Finish	12:30AM
Lease								Location							
C. Rein								Pioneer Rd + I-70, 35, 1E							
Well No.								Owner							
A 2								Vas							
Contractor								To Quality Oilwell Cementing, Inc.							
Royal #2								You are hereby requested to rent cementing equipment and furnish							
Type Job								cementer and helper to assist owner or contractor to do work as listed.							
Surface															
Hole Size								Charge							
12 1/4"								To Prospect oil + gas							
Csg.								Depth							
8 5/8"								221'							
Tbg. Size								Street							
Tool								City							
								State							
Cement Left in Csg.								The above was done to satisfaction and supervision of owner agent or contractor.							
15'															
Shoe Joint								Cement Amount Ordered							
15'								150 Common 3%CC							
Meas Line								Displace							
								13 BLS 2% Gel							
EQUIPMENT															
Common															
Pumptrk															
16 No. Cementer															
Travis															
Bulktrk															
1 No. Driver															
Heath															
Bulktrk															
p.u. No. Driver															
Rick															
Calcium															
Hulls															
Salt															
Flowseal															
Kol-Seal															
Mud CLR 48															
CFL-117 or CD110 CAF 38															
Sand															
Handling															
Mileage															
FLOAT EQUIPMENT															
Guide Shoe															
Centralizer															
Baskets															
AFU Inserts															
Float Shoe															
Latch Down															
Pumptrk Charge															
Mileage															
Tax															
Discount															
Total Charge															
Signature															
Doug Bueh															

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. 8932

Date	11-14-12	Sec.	27	Twp.	14	Range	13	County	RUSSELL	State	KANSAS	On Location		Finish	1:00 PM
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Location RUSSELL ETO POWERED TO FIVE FIELD-TS190-E/IN

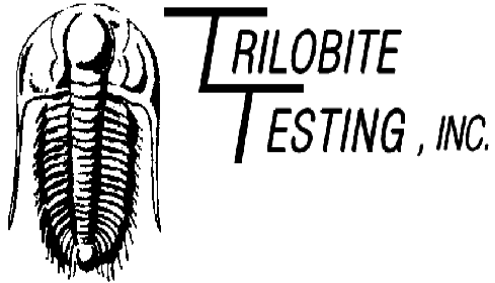
Lease	C. RET. A	Well No.	# 2	Owner	PROSPECT OIL
Contractor	Royal #2	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	P.T.A				
Hole Size	7 7/8"	T.D.	3134	Charge To	PROSPECT OIL
Csg.	4 1/2"	Depth		Street	P.O. Box 837
Tbg. Size		Depth		City	RUSSELL
Tool		Depth		State	KS, 67665
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	145 100 40 pot - 4 1/2" GEL

EQUIPMENT				
Pumptrk #15	No.	Cementer		Common
Bulktrk #8	No.	Helper	NICK	Poz. Mix
Bulktrk #8	No.	Driver	LONNIE W	Gel.
Bulktrk #14	No.	Driver	CTSC	Calcium

JOB SERVICES & REMARKS		
Remarks:		Hulls
Rat Hole 30		Salt
Mouse Hole 15		Flowseal
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar		CFL-117 or CD110 CAF 38
		Sand
		Handling
1st @ 1665'	25 SKS	Mileage

FLOAT EQUIPMENT		
2nd @ 330'	65 SKS	Guide Shoe
3rd @ 40'	10 SKS	Centralizer
Rat Hole	30 SKS	Baskets
MOUSEHOLE	15 SKS	AFU Inserts
		Float Shoe
		Latch Down
		1 - 8 1/2" WOODEN PLUG

THANK YOU!	Pumptrk Charge	
	Mileage	
		Tax
		Discount
		Total Charge
Signature	<i>[Signature]</i>	



DRILL STEM TEST REPORT

Prepared For: **Prospect Oil & Gas Company**

PO Box 837
Russell, KS 67665

ATTN: Brad Hutchison

C Rein A #2

27-14s-13w Russell,KS

Start Date: 2012.11.14 @ 02:09:01

End Date: 2012.11.14 @ 07:44:01

Job Ticket #: 48730 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.11.20 @ 14:52:28



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prospect Oil & Gas Company

27-14s-13w Russell, KS

PO Box 837
Russell, KS 67665

C Rein A #2

Job Ticket: 48730

DST#: 1

ATTN: Brad Hutchison

Test Start: 2012.11.14 @ 02:09:01

GENERAL INFORMATION:

Formation: **Gorham Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:05:16

Time Test Ended: 07:44:01

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 3115.00 ft (KB) To 3134.00 ft (KB) (TVD)

Reference Elevations: 1731.00 ft (KB)

Total Depth: 3134.00 ft (KB) (TVD)

1724.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8289 Inside

Press @ Run Depth: 338.16 psig @ 3116.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.14

End Date:

2012.11.14

Last Calib.: 2012.11.14

Start Time: 02:09:03

End Time:

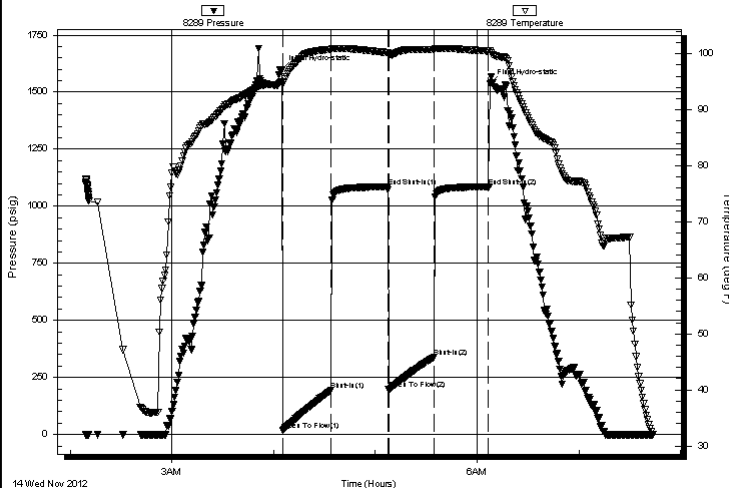
07:44:01

Time On Btm: 2012.11.14 @ 04:04:46

Time Off Btm: 2012.11.14 @ 06:07:31

TEST COMMENT: IFP-Strong, BOB in 5 Min.
ISI-Dead
FFP-Strong, BOB in 7 Min.
FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1598.58	94.94	Initial Hydro-static
1	20.03	94.49	Open To Flow (1)
29	193.98	100.76	Shut-In (1)
63	1085.16	100.22	End Shut-In (1)
63	196.82	99.89	Open To Flow (2)
90	338.16	100.79	Shut-In (2)
122	1085.04	100.47	End Shut-In (2)
123	1538.17	100.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
745.00	Muddy Water	10.45

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prospect Oil & Gas Company

27-14s-13w Russell, KS

PO Box 837
Russell, KS 67665

C Rein A #2

Job Ticket: 48730

DST#: 1

ATTN: Brad Hutchison

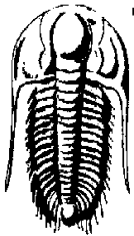
Test Start: 2012.11.14 @ 02:09:01

Tool Information

Drill Pipe:	Length:	3100.00 ft	Diameter:	3.80 inches	Volume:	43.48 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:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	34000.00 lb
					Total Volume:	43.48 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft						String Weight: Initial	30000.00 lb
Depth to Top Packer:	3115.00 ft						Final	33000.00 lb
Depth to Bottom Packer:	ft							
Interval between Packers:	19.00 ft							
Tool Length:	40.00 ft							
Number of Packers:	2		Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3095.00	
Shut In Tool	5.00			3100.00	
Hydraulic tool	5.00			3105.00	
Packer	5.00			3110.00	21.00 Bottom Of Top Packer
Packer	5.00			3115.00	
Stubb	1.00			3116.00	
Recorder	0.00	8289	Inside	3116.00	
Recorder	0.00	8366	Outside	3116.00	
Perforations	15.00			3131.00	
Bullnose	3.00			3134.00	19.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Prospect Oil & Gas Company

27-14s-13w Russell, KS

PO Box 837
Russell, KS 67665

C Rein A #2

Job Ticket: 48730

DST#: 1

ATTN: Brad Hutchison

Test Start: 2012.11.14 @ 02:09:01

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 7.59 in³

Resistivity: ohm.m

Salinity: 6800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 30000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
745.00	Muddy Water	10.450

Total Length: 745.00 ft

Total Volume: 10.450 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

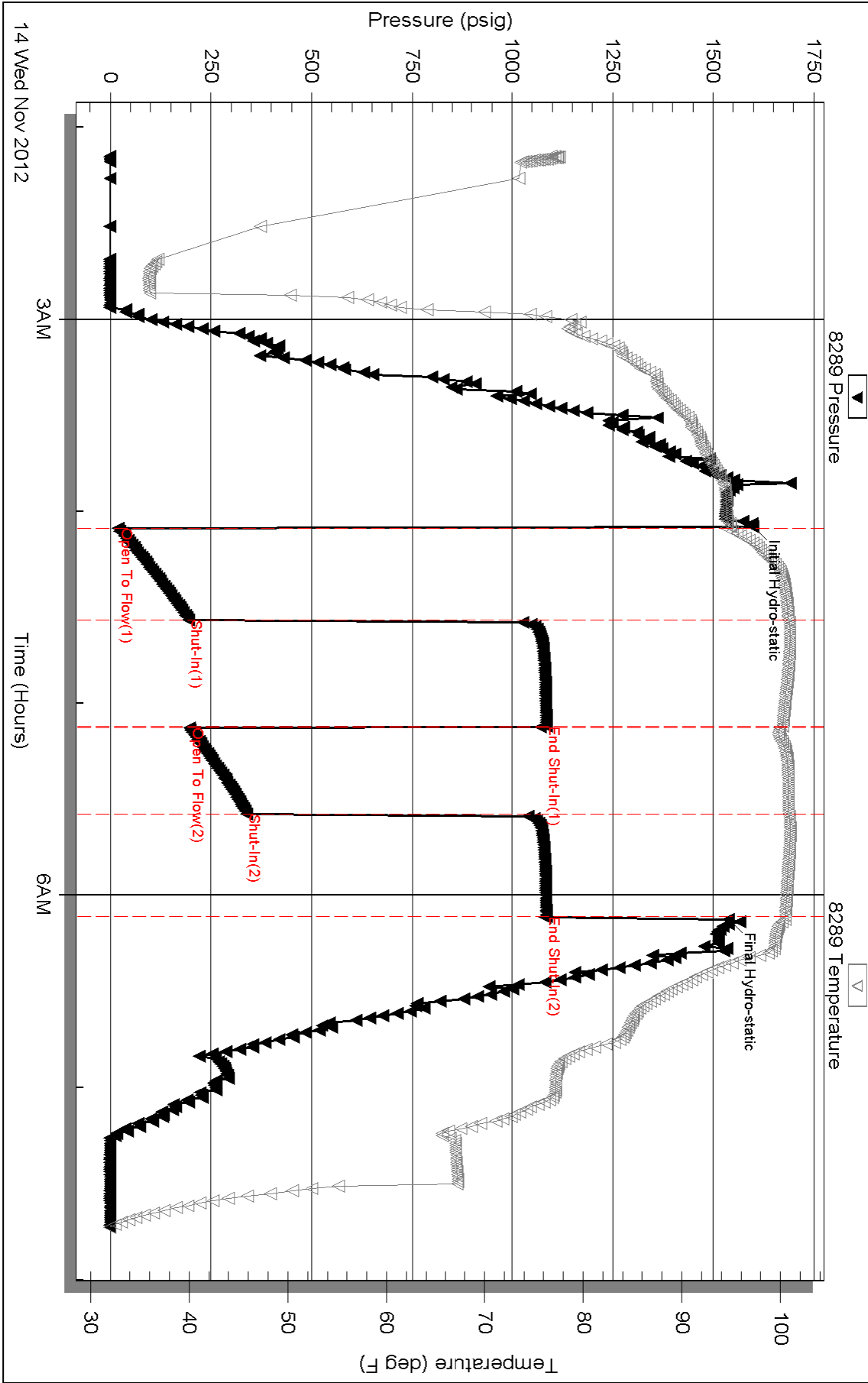
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48730

Well Name & No. C Rein 'A' #2 Test No. 1 Date 11-14-12
 Company Prospect Oil & Gas Corp Elevation 1731 KB 1724 GL
 Address PO Box 837, Russell, KS, 67665
 Co. Rep / Geo. Brad Hutchison Rig Royal #2
 Location: Sec. 27 Twp. 14s Rge. 13w Co. Russell State Ks

Interval Tested 3115-3134 Zone Tested Gorham Sand
 Anchor Length 19' Drill Pipe Run 3100 Mud Wt. 9.3
 Top Packer Depth 3110 Drill Collars Run 0 Vis 57
 Bottom Packer Depth 3115 Wt. Pipe Run 0 WL 7.6
 Total Depth 3134 Chlorides 6,800 ppm System LCM 1#
 Blow Description IFP- Strong, BOB in 5 min.
ISI- Dead
FFP- Strong, BOB in 7 min.
FSI- Dead

Rec <u>745</u>	Feet of <u>Muddy Water</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 745 BHT 100° Gravity _____ API RW 555 @ 29 °F Chlorides 30,000 ppm

(A) Initial Hydrostatic 1599 ☒ Test 1150 T-On Location 1:55
 (B) First Initial Flow 20 ☐ Jars _____ T-Started 2:09
 (C) First Final Flow 194 ☐ Safety Joint _____ T-Open 4:07
 (D) Initial Shut-In 1085 ☐ Circ Sub _____ T-Pulled 6:07
 (E) Second Initial Flow 196 ☐ Hourly Standby _____ T-Out 7:43
 (F) Second Final Flow 338 ☒ Mileage 60rt 93 Comments _____
 (G) Final Shut-In 1085 ☐ Sampler _____
 (H) Final Hydrostatic 1538 ☐ Straddle _____

Initial Open 30 ☐ Shale Packer _____
 Initial Shut-In 30 ☐ Shale Packer _____
 Final Flow 30 ☐ Extra Packer _____
 Final Shut-In 30 ☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
 Sub Total 1243 MP/DST Disc't _____

Approved By _____ Our Representative Jana McJannet *Thank you*

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.