

Confidentiality Requested:

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1078096

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 #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
OG GSW Temp. Abd.     CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back     Conv. to GSW     Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:     SWD Permit #:	
	Location of fluid disposal if hauled offsite:
ENHR         Permit #:           GSW         Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date or Date Reached TD Completion Date or Recompletion Date	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:

	Page Iwo	1078096
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTRUCTIONS. Chave important tapa of formations panatrated	Datail all aaraa Bapart all fins	al conice of drill stome tests siving interval tested, time test

INSTRUCTIONS: Show important tops 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.

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 (Attach Additional She	eets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-c			ion etc		
	Size Hole	Size Casing	Weight	Setting	Type of	# Sacks	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
		ADDITIONAL	. CEMENTING / SQL	EEZE RECORD			

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Back TD				
Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No (If No, skip questions 2 and 3) (If No, skip question 3)

No

No

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION Specify For		RD - Bridge F Each Interval		е		Acid, Fracture, Shot, Ce (Amount and Kino	ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	ł.	Producing N		oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	S.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	_	-		- ···					PRODUCTION IN	TERVAL:
Vented Solo	J L	Used on Lease		Open Hole	Perf.	Uually (Submit)	<sup>v</sup> Comp. 4 <i>CO-5)</i>	Commingled (Submit ACO-4)		
(If vented, Su	bmit ACC	D-18.)		Other (Specify)	)		·			

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Kruse-Novak 1-31
Doc ID	1078096

All Electric Logs Run

CDL/CNL/PE
DIL
SONIC
MEL

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Kruse-Novak 1-31
Doc ID	1078096

Tops

Name	Тор	Datum		
Heebner	4003	-834		
Stark Sh	4355	-1186		
Hushpuckney	4412	-1243		
Base KC	4482	-1313		
Marmaton	4514	-1345		
Pawnee	4600	-1431 -1454		
Ft. Scott	4623			
Morrow	4813	-1644		
Basal Penn	4879	-1710		
Mississippian	4898	-1729		
St. Louis	4955	-1786		

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802 Kansas Corporation Commission

Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner Sam Brownback, Governor

April 17, 2012

Jay Schweikert Lario Oil & Gas Company 301 S MARKET ST WICHITA, KS 67202-3805

Re: ACO1 API 15-171-20869-00-00 Kruse-Novak 1-31 SW/4 Sec.31-18S-34W Scott County, Kansas

**Dear Production Department:** 

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Jay Schweikert



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To: Lario Oil & Gas Co. P.O. Box 1093 Garden City, KS 67846 INVOICE

Invoice Number: 130778

Invoice Date: Apr 10, 2012

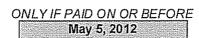
Page: 1

drilling AFE 12.050 4-23-12 LK



CustomerID	Well Name/# or Customer P.O.	Paymen	t Terms	
Lario	Kruse Novak#1-31	Net 30 Days		
Job Location	Camp Location	Service Date	Due Date	
KS1-03	Great Bend	Apr 10, 2012	5/10/12	

Quantity	ltem	Description	Unit Price	Amount
168.00	MAT	Class A Common	16.25	2,730.00
112.00	MAT	Pozmix	8.50	952.00
9.00	MAT	Gel	21.25	191.25
299.60	SER	Handling	2.10	629.16
50.00	SER	Ton Miles	29.43	1,471.68
1.00	SER	Rotary Plug	1,250.00	1,250.00
50.00	SER	Heavy Vehicle Mileage	7.00	350.00
50.00	SER	Light Vehicle Mileage	4.00	200.00
1.00	EQUIP OPER	Greg Redetzke		
1.00	OPER ASSIST	Jonathon Ploutz		Ω
1.00	OPER ASSIST	Kevin Weighous		
		Acci GC HY FV	APR 2 5 20	2 DR. NM
ALL DRICES AR	E NET, PAYABLE	Subtotal		7,774.09
	OWING DATE OF			567.51
	2% CHARGED	Total Invoice Amount		8,341.60
	IF ACCOUNT IS E DISCOUNT OF	Payment/Credit Applied		
\$1554	. 82	TOTAL		8,341.60



#### ALLIED OIL & GAS SERVICES, LLC 053510 Federal Tax I.D.# 20-5975804 REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 SERVICE POINT; Ł Orent 15 ISEC DATE 4-10-12 TWP RANGE CALLED OUT ON LOCATION JOB FINISH JOB START Kruse COUNTY STATE 1-31 (5 itr LEASE N WELL # LOCATION 7000 OLD OR NEW (Circle one) 4} $\geq \sim$ CONTRACTOR OWNER TYPE OF JOB Plang 714 HOLE SIZE T.D. CEMENT CASING SIZE AMOUNT ORDERED 0 DEPTH **TUBING SIZE** DEPTH DRILL PIPE DEPTH TOOL DEPTH <u>27</u>30 PRES. MAX @\_16-25 MINIMUM COMMON. 68 00 8.50 MEAS. LINE SHOE JOINT POZMIX 112 @ 952. CEMENT LEFT IN CSG. GEL @ 21.25 191.3 PERFS. CHLORIDE @ DISPLACEMENT ASC. @ @ EOUIPMENT @ @ PUMPTRUCK CEMENTER @ HELPER $\mathbf{c}$ 1-0 @ BULK TRUCK # イダネ/ /85 @ Kevius DRIVER @ BULK TRUCK @ # DRIVER HANDLING 299.6 @ 2.10 629 MILEAGE 12.525 X 50X 2.35 68 1. **REMARKS:** TOTAL s 50 5x 0 Ø 58 10 SERVICE in wu DEPTH OF JOB 1250.00 PUMP TRUCK CHARGE EXTRA FOOTAGE ø MILEAGE HUM @ 7.00 Sc 350. MANIFOLD @ LUM 50 4.00 200. @ @ Lario CHARGE TO: \_ TOTAL / 8:00.00 STREET ZIP\_ CITY STATE \_ PLUG & FLOAT EQUIPMENT @ Ø @ 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 TOTAL \_ done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL SALES TAX (If Any). TERMS AND CONDITIONS" listed on the reverse side. 09 TOTAL CHARGES 7.774 le R PRINTED NAMI DISCOUNT \_\_\_\_ \_\_\_\_\_ IF PAID IN 30 DAYS SIGNATURE trank .4

1 ....



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Lario Oil & Gas Co. P.O. Box 1093 Garden City, KS 67846

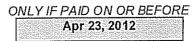
# INVOICE

Invoice Number: 130645 Invoice Date: Mar 29, 2012 Page: 1

drilling AFE 12050 Surface pipe ent 4-8-12 LK



Custom	er ID		Well Name# or Customer P.O.		Payment	Terms
Lario	D .		Kruse-Novak # 1-31-		Net 30 [	Days
Job Loc	ation		Camp Location	S	ervice Date	Due Date
KS1-	D1		Oakley	N	lar 29, 2012	4/28/12
Quantity	Item		Description		Unit Price	Amount
210.00	MAT	Class	A Common		16.25	3,412.50
4.00	MAT	Gel			21.25	85.00
7.00	MAT	Chlor	ide		58.20	407.40
221.00	SER	Hand	ling		2.25	497.25
50.00	SER	Milea	ge		24.31	1,215.50
1.00	SER	Surfa	ce		1,125.00	1,125.00
8.00	SER	Extra	Footage		0.95	7.60
50.00	SER	Heav	y Vehicle Mileage		7.00	350.00
1.00	SER	Manif	old Head Rental		200.00	200.00
50.00	SER	Light	Vehicle Mileage		4.00	200.00
1.00	EQP	8 5/8	Wooden Plug		92.00	92.00
	CEMENTER OPER ASSIST OPER ASSIST	Dane	ne Wentz Retzloff <sup>°</sup> umer		APR auf	0 zyz
			Subtotal			7,592.25
ALL PRICES AR	E NET, PAYABL OWING DATE OF	=	Sales Tax			291.77
INVOICE. 11. THEREAFTER.	2% CHARGED P2% CHARGED IF ACCOUNT IS CE DISCOUNT O		Total Invoice Amount Payment/Credit Applied			7,884.02
\$ 1950			TOTAL			7,884.02



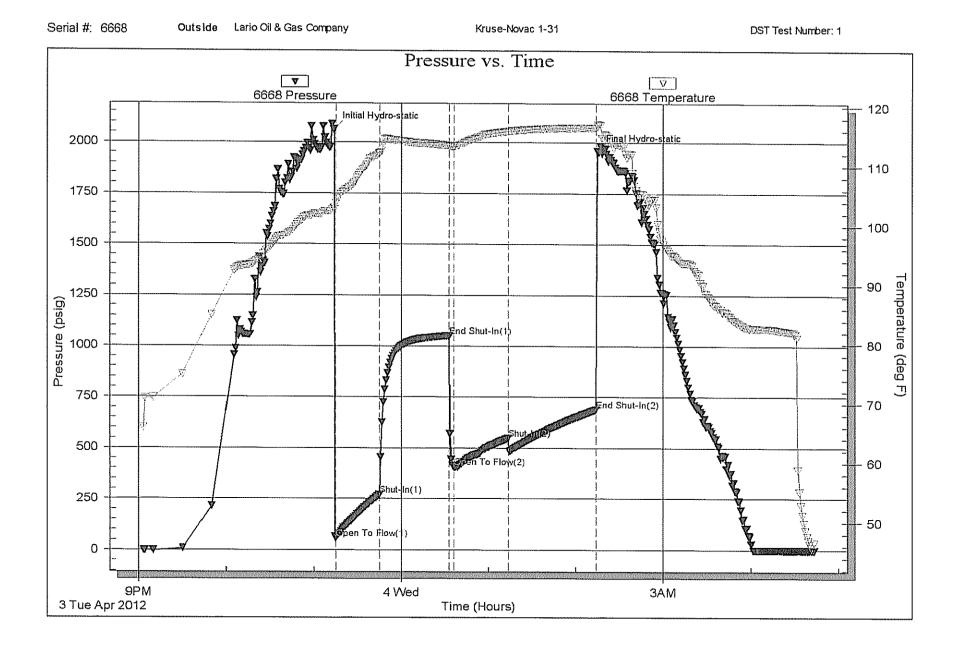
#### ALLIED CEMENTING CO., LLC. 034612 Federal Tax I.D.# 20-5975804 REMITTO P.O. BOX 31 SERVICE POINT: RUSSELL, KANSAS 67665 Κo Oakle 3-27-12 SEC. 31 TWP. 10 RANGE CALLED OUT ON LOCATION JOB FINISH DATE 34 JOH START 13000 (nuse-rian 1-31 COUNTY LOCATION Scott LEASE NELL # 1001 OLD OR NEW (Dircle one) Un 17 CONTRACTOR OWNER Same TYPE OF JOB 00 3091 HOLE SIZE T.D. CEMENT CASING SIZE DEPTH 308 AMOUNT ORDERED 2105 Kg Com 32 CC TUBING SIZE DEPTH 992 DRILL PIPE DEPTH TOOL DEPTH PRES. MAX Z [0 S & MINIMUM COMMON. MEAS, LINE SHOE JOINT POZMIX CEMENT LEFT IN CSG. 4/5/S GEL ര PERFS. CHLORIDE 07.90 58,20 @, Luf DISPLACEMENT 18.82 661 ASC\_ @ EQUIPMENT ര @ CEMENTER Lakous PUMPTRUCK @ HELPER Dane 0 BULKTRUCK @ 404 DRIVER @ **BULK TRUCK** @ DRIVER @ HANDLING ZZR 3 ED MILEAGE UP Stylen Co @-7.25 12225 1215,50 REMARKS: TOTAL 5612.6. 10 5/5500 -SERVICE Comentation apaculate 3081 DEPTH OF JOB PUMP TRUCK CHARGE 12.500 87 EXTRA FOOTAGE ര 260 639 50 MILEAGE\_ @ 8.50.00 MANIFOLD . head 0 200.00 h. O. mileage @ 200,00 @ CHARGETO: Lavis Di/d Gos TOTAL 188260 STREET CITY. STATE \_\_ZIP\_\_ PLUG & FLOAT EOUIPMENT Woodenplug @ 92.00 @ To Allied Cementing Co., LLC. @ You are hereby requested to rent comenting equipment @ and furnish cementer and helper(s) to assist owner or @ contractor to do work as is listed. The above work was TOTAL 2200 lone to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL FERMS AND CONDITIONS" listed on the reverse side. SALES TAX (If Any) \_\_\_\_\_ TOTAL CHARGES reeler 'RINTED NAME DISCOUNT \_\_ - IF PAID IN 30 DAYS IGNATURE

i

RILOBITE	DRILL STEM TES	ST REP	ORT			
	Lario Oil & Gas Company		31-18	s-34w Sco	ott CO	
ESTING , INC.	301S. Market St. Wichita KS			e-Novac 1-		
	67202			:ket: 46485	DST#	
	ATTN: Tim Lauer		Test S	lart: 2012.04	1.03 @ 21:03:15	
GENERAL INFORMATION:						
Formation: E,F,G Deviated: No Whipstock: Time Tool Opened: 23:14:45 Time Test Ended: 04:43:45	ft (KB)		Test Ty Tester Unit No	Mike R	ntional Bottom H oberts	-ble (Initial)
Interval: 4141.00 ft (KB) To 42' Total Depth: 4217.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)		Refere	nce Elevation KB to GR/	3161.0	00 ft(KB) 00 ft(CF) 00 ft
Serial #: 6668 Outside		<u> </u>	<u></u>			
Press@RunDepth: 548.04 psig (	2 4146.00 ft (KB)		Capacity:		8000.0	)0 psig
Start Date: 2012.04.03	End Date:	2012.04.04	Last Calib.:		2012.04.0	
Start Time: 21:03:15	End Time:	04:43:45	Time On Btn Time Off Btr		14.03 @ 23:13:4 14.04 @ 02:15:0	
Prossure vs. Tii کی استان کی استان	nt <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>CC</u> <u>C</u>	Time	Pressure T	• •	JMMARY notation	
لی			1 J		otation	
		(Min.) 0		eg F) 02.95 Initial	Hydro-static	
		1			To Flow (1)	
		31		12.19 Shut-	in(1)	
		80	1 1	13.52 End S		
T it in the second		82 120		13.33 Open 15.86 Shut-		
		1		16.50 End S		
		182	; }		Hydro-static	
a free a						
Land A Wed DNM 4 Wed Ton Ay 2012 The (Hous)						
Recovery		-		Gas Rate	es	
Length (ft) Description	Volume (bbl)			Chole (inches)	Pressure (psig) 0	Gas Rale (Mcl/d)
180.00 m 100% m	2.52		t	<u></u>	I_	
1200.00 sw 100% sw	16.83					
Trilobite Testina, Inc	Ref. No: 46485			• • • • • • • •	4.04 @ 07:53:3	

Printed: 2012.04.04 @ 07:53:32

RILOBITE	DRILL STEM TEST REPORT	FLUID SUMMARY
TESTING, INC.	Lario Oil & Gas Company 301S. Market St. Wichita KS 67202 ATTN: Tim Lauer	31-18s-34w Scott CO         Kruse-Novac 1-31         Job Ticket: 46485       DST#: 1         Test Start: 2012.04.03 @ 21:03:15
Mud and Cushion Information	244114472444844848484848484848484848484848484	
Mud Type:Gel ChemMud Weight:9.00 lb/galViscosity:53.00 sec/qtWater Loss:8.78 in³Resistivity:0.00 ohmmSalinity:3800.00 ppmFilter Cake:1.00 inches	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	Oil API: 0 deg API ft Water Salinity: 26000 ppm bbl psig
Recovery Information		
Processing and a second s	Recovery Table	
Lengi ft	th Description	Volume bbl
	180.00 m 100% m	2.525
Total Length:	200.00 sw 100% sw 1380.00 ft Total Volume: 19.358 bbl	16.833
Num Fluid Samp Laboratory Narr Recovery Com		Serial #:
<u>,</u>		

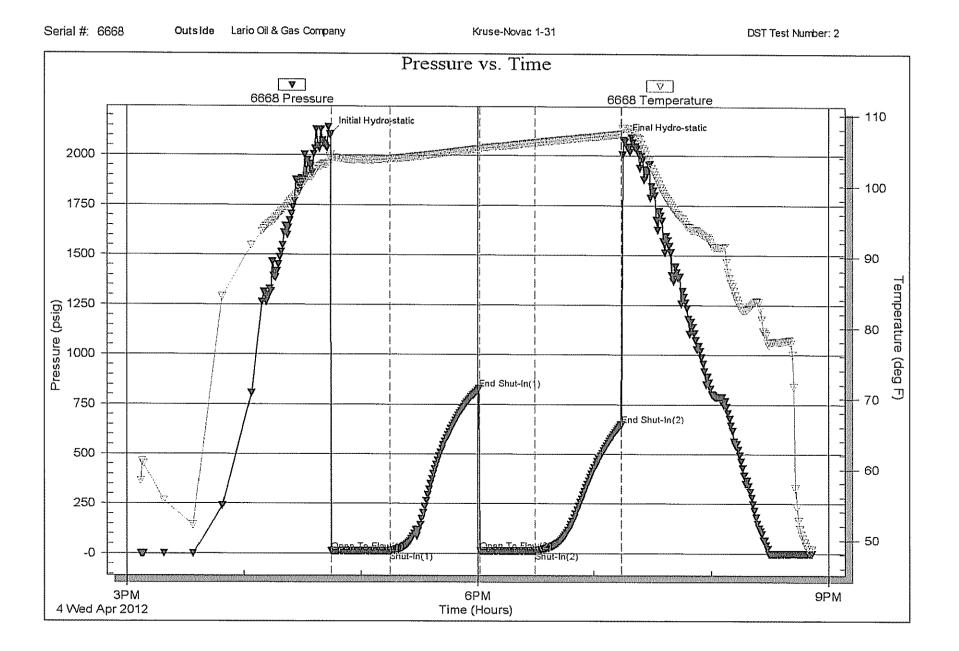


Ref. No: 46485

Printed: 2012.04.04 @ 07:53:33

RILOBITE	DRILL STEM TE Lario Oil & Gas Company			3s-34w Scott C	0	<u></u>
ESTING , INC	301S. Market St.		Krus	e-Novac 1-31	_	
	Wichita KS 67202		Job Ti	cket: 46486	DST#:2	
	ATTN: Tim Laver		Test S	Start: 2012.04.04 (	@ 15:07:15	
GENERAL INFORMATION:	<u> </u>		<u> </u>			******
Formation:         H           Deviated:         No         Whipstock:           Time Tool Opened:         16:44:45           Time Test Ended:         20:51:45	ft (KB)		Test T Tester Unit No	: Mike Rober	al Bottom Hol ts	e (Reset)
Interval: 4236.00 ft (KB) To 4 Total Depth: 4270.00 ft (KB) (T Hole Diameter: 7.88 inchesHol			Refere	ence Bevations: KB to GR/CF:	3171.00 3161.00 10.00	ft (CF)
Serial #: 6668OutsidePress@RunDepth:12.75 psigStart Date:2012.04.04Start Time:15:07:00	@ 4265.00 ft (KB) End Date: End Time:	2012.04.04 20:51:30	Capacity: Last Calib.: Time On Btr Time Off Btr	π 2012.04.04	8000.00 2012.04.04 @ 16:44:15 @ 19:15:15	psig
TEST COMMENT: IF:Built to weak IS:No return blow FF:No blow FS:No return blow	N					
Pretsure ve.			PRF	SSURE SUMM		
		Time		SSURE SUMM		
Pressure ve.	Time	(Min.)	Pressure 1 (psig) (c	Temp Annotati deg F)	on	
Pressure vs.		(Min.) 0	Pressure 1 (psig) (0 2104.69 1	Temp Annotati deg F) 104.31 Initial Hydr	on o-static	маралан ар м. н.
Pressure vs.		(Min.)	Pressure         1           (psig)         (c           2104.69         1           11.44         1	Temp Annotati deg F) 104.31 Initial Hydr 103.61 Open To F	on ro-static Flow (1)	
Pressure VI.		(Min.) 0 1 31 77	Pressure (psig)         (a)           2104.69         1           11.44         1           12.08         1           829.63         1	Temp Annotati deg F) 104.31 Initial Hydr 103.61 Open To F 103.79 Shut-In(1) 105.24 End Shut-I	on ro-static Flow (1) In(1)	
Pressure vs. 1		(Min.) 0 1 31 77 77	Pressure (psig)         (a)           2104.69         1           11.44         1           12.08         1           829.63         1           12.44         1	Temp         Annotati           deg F)         Initial Hydr           104.31         Initial Hydr           103.61         Open To F           103.79         Shut-In(1)           105.24         End Shut-In(1)           105.19         Open To F	on ro-static Flow (1) In(1)	
	Time	(Min.) 0 1 31 77 77 77 106	Pressure (psig)         (a)           2104.69         1           11.44         1           12.08         1           829.63         1           12.44         1           12.75         1	Temp         Annotati           deg F)         Initial Hydr           104.31         Initial Hydr           103.61         Open To F           103.79         Shut-In(1)           105.24         End Shut-In(1)           105.19         Open To F           106.12         Shut-In(2)	on ro-static Flow (1) In(1) Flow (2)	
	Time	(Min.) 0 1 31 77 77	Pressure         1           (psig)         (d)           2104.69         1           11.44         1           12.08         1           829.63         1           12.44         1           12.75         1           650.42         1	Temp         Annotati           deg F)         Initial Hydr           104.31         Initial Hydr           103.61         Open To F           103.79         Shut-In(1)           105.24         End Shut-In(1)           105.19         Open To F	on ro-static flow (1) in(1) flow (2) in(2)	
Pressure vr.		(Min.) 0 1 31 777 777 106 150	Pressure         1           (psig)         (d)           2104.69         1           11.44         1           12.08         1           829.63         1           12.44         1           12.75         1           650.42         1	Temp         Annotati           deg F)         Initial Hydr           104.31         Initial Hydr           103.61         Open To F           103.79         Shut-In(1)           105.24         End Shut-I           105.19         Open To F           106.12         Shut-In(2)           107.36         End Shut-I           108.22         Final Hydr	on ro-static flow (1) in(1) flow (2) in(2)	
		(Min.) 0 1 31 777 777 106 150	Pressure         1           (psig)         (d)           2104.69         1           11.44         1           12.08         1           829.63         1           12.44         1           12.75         1           650.42         1	Temp Annotati deg F) 104.31 Initial Hydr 103.61 Open To F 103.79 Shut-In(1) 105.24 End Shut-I 105.19 Open To F 106.12 Shut-In(2) 107.36 End Shut-I 108.22 Final Hydr Gas Rates	on ro-static Flow (1) in(1) Flow (2) in(2) o-static	Rate (Mcl/d)
Prespure vs. T	Time Terescould	(Min.) 0 1 31 777 777 106 150	Pressure         1           (psig)         (d)           2104.69         1           11.44         1           12.08         1           829.63         1           12.44         1           12.75         1           650.42         1	Temp Annotati deg F) 104.31 Initial Hydr 103.61 Open To F 103.79 Shut-In(1) 105.24 End Shut-I 105.19 Open To F 106.12 Shut-In(2) 107.36 End Shut-I 108.22 Final Hydr Gas Rates	on ro-static Flow (1) in(1) Flow (2) in(2) o-static	Rete (McHo)
Prespure vs. T The prespu	Time	(Min.) 0 1 31 777 777 106 150	Pressure         1           (psig)         (d)           2104.69         1           11.44         1           12.08         1           829.63         1           12.44         1           12.75         1           650.42         1	Temp Annotati deg F) 104.31 Initial Hydr 103.61 Open To F 103.79 Shut-In(1) 105.24 End Shut-I 105.19 Open To F 106.12 Shut-In(2) 107.36 End Shut-I 108.22 Final Hydr Gas Rates	on ro-static Flow (1) in(1) Flow (2) in(2) o-static	Rate (McHz)
Prespure vs. T The formation of the second	Time	(Min.) 0 1 31 777 777 106 150	Pressure         1           (psig)         (d)           2104.69         1           11.44         1           12.08         1           829.63         1           12.44         1           12.75         1           650.42         1	Temp Annotati deg F) 104.31 Initial Hydr 103.61 Open To F 103.79 Shut-In(1) 105.24 End Shut-I 105.19 Open To F 106.12 Shut-In(2) 107.36 End Shut-I 108.22 Final Hydr Gas Rates	on ro-static Flow (1) in(1) Flow (2) in(2) o-static	Rate (McJ/d)
Prespure vs.	Time	(Min.) 0 1 31 777 777 106 150	Pressure         1           (psig)         (d)           2104.69         1           11.44         1           12.08         1           829.63         1           12.44         1           12.75         1           650.42         1	Temp Annotati deg F) 104.31 Initial Hydr 103.61 Open To F 103.79 Shut-In(1) 105.24 End Shut-I 105.19 Open To F 106.12 Shut-In(2) 107.36 End Shut-I 108.22 Final Hydr Gas Rates	on ro-static Flow (1) in(1) Flow (2) in(2) o-static	Rate (Mcl/d)

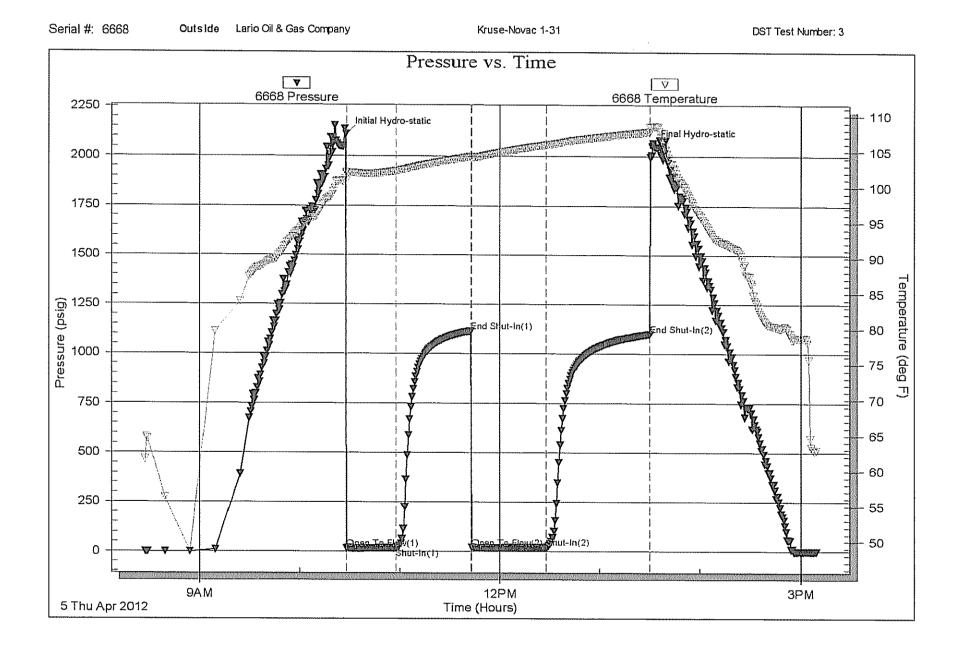
10 PM -		DRI	LL S	TEM TEST	REPORT	·····		FLUID	SUMMARY
		Lario C	)il & Gas (	Company		31-18s-34\	v Scott CO		
	RILOBITE	3015.	Market St.			Kruse-Nov	vac 1-31	1	
	-	Wichita				Job Ticket: 4		DST#::	2
		67202 ATTN:	Tim Lau	er		Test Start: 2	2012.04.04 @	15:07:15	
Mud and Cr	shion Information			*****					
	el Chem		~	Numbion Tumos			OILAPI:		
Mud Type: G Mud Weight:	9.00 lb/gal			Cushion Type: Cushion Length:		ft	Water Salinity	r ·	0 deg API 0 ppm
Viscosity:	47.00 sec/qt			Sushion Volume:		bbl		· .	• •
Water Loss:	9.17 in*		G	Gas Cushion Type:					
Resistivity:	0.00 ohm.m		G	Gas Cushion Pressur	e:	psig		-1 - 1 - 1	
Salinity:	6800.00 ppm								· ·
Filter Cake:	1.00 inches	<u> </u>							
Recovery In	tormation		F	Recovery Table					
	Leng	th		Description		Volume bbl			
		5.00	mud wit	h oil spots	· · · · · · · · · · · · · · · · · · ·	0.070			
	Total Length:	5	.00 ft	Total Volume:	0.070 bbl				
	Num Fluid Samp	oles: 0		Num Gas Bombs:	0	Serial #			
	Laboratory Nan			Laboratory Location					
	Recovery Com	ments:							
									-
					· · · · · · · · · · · · · · · · · · ·				



Printed: 2012.04.05 @ 08:34:21

RILOBITE	DRILL STEM TE	ST REP	ORT		·····	
	Lario Oil & Gas Company		31	-18s-34v	v Scott CO	
ESTING , INC	301S. Market St.		Kr	use-Nov	/ac 1-31	
	Wichita KS 67202		Job	Ticket: 4	6487	DST#: 3
	ATTN: Tim Lauer		Tes	st Start: 2	012.04.05 @ 08	3:27:15
GENERAL INFORMATION:						
Formation: I Deviated: No Whipstock: Time Tool Opened: 10:27:45 Time Test Ended: 15:09:45	ft (KB)		Tes	ter:	Conventional B Mike Roberts 48	ottom Hole (Reset)
interval: 4270.00 ft (KB) To 43	10.00 ft (KB) (TVD)		Ref	erence B	evations:	3171.00 ft (KB)
Total Depth: 4310.00 ft (KB) (TV	D)					3161.00 ft (CF)
Hole Diameter: 7.88 inches Hole	Condition: Fair			KB	to GR/CF:	10.00 ft
Serial #:         6668         Outside           Press@RunDepth:         21.10 psig         (           Start Date:         2012.04.05         (           Start Time:         08:27:15         (	4305.00 ft (KB) End Date: End Time:	2012.04.05 15:09:45	Capacity Last Cali Time On Time Off	b.: Btm:		
EST COMMENT: IF:Built to 1" blow IS:No return blow FF:Built to w eak s FS:No return blow						
Pressura vs. Tr T (720 Primus	ne (Transmission				RE SUMMAR	Y
	112	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	
		0	2109.73	102.05	Initial Hydro-st	atic
		1	15.26	100.89	1 -	(1)
		30 75	17.31 1114.37	102.23 104.27		
		Temper 76	19.07	104.07		
		<u>5</u> 121	21.10	105.9 <b>1</b>		
7m []	70	183 184	1098.83 2052:04	107.76 108.55	End Shut-In(2) Final Hydro-sti	
200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		107	2002.04	100.00	i nariyoro-su	
Length (ft) Description	Volume (bbl)			Chole (in	s Rates	ig) Gas Rate (Mct/d)
2.00 free oil 100% o	0.03			L	, <u>1</u>	
30.00 mud with oil spots	0.42					
* Recovery from multiple tests						
		1			2012.04.05 @ 1	

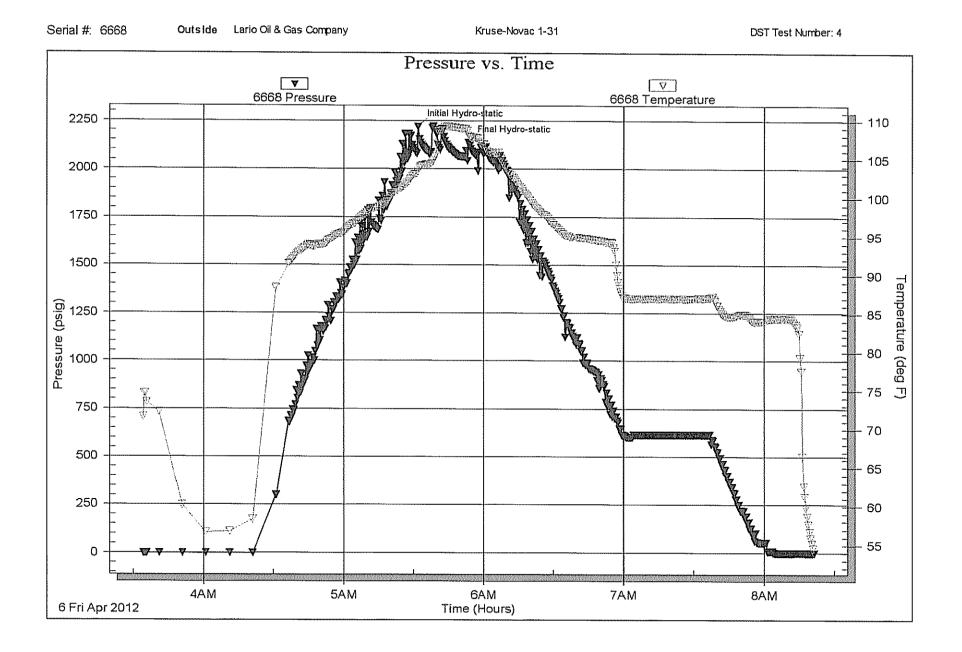
RILOBITE	DRI	ILL STEM TEST I	REPORT	,	FLUID	SUMMARY
	Lario C	Dil & Gas Company		31-18s-34v	w Scott CO	
ESTING , I		Market St.		Kruse-Nov	vac 1-31	
	Wichita 67202			Job Ticket: 4	16487 DST#:	3
	1 I	Tim Lauer		Test Start: 2	2012.04.05 @ 08:27:15	
Mud and Cushion Informatio					· · · · ·	
Mud Type: Gel Chem		Cushion Type:			Oil API:	0 deg API
Mud Weight: 9.00 lb/gal		Cushion Length:		ft	Water Salinity:	0 ppm
Viscosity: 47.00 sec/qt		Cushion Volume:		bbi		
Water Loss: 9.17 in <sup>s</sup>		Gas Cushion Type:				
Resistivity: 0.00 ohm.m Salinity: 6800.00 ppm		Gas Cushion Pressure	9:	psig	· 1	
Filter Cake: 1.00 inches						
Recovery Information			·····		÷	
		Recovery Table			-	
L	ength ft	Description		Volume bbl		
	2.00	free oil 100% o		0.028	3	
	30.00	mud with oil spots		0.421		
Total Length	: 32	.00 ft Total Volume:	0.449 bbl			
Num Fluid S Laboratory Recovery C	Name:	Num Gas Bombs: Laboratory Locatio	0 n:	Serial#	:	
Tribbie Testing Inc		of No: 16187	. <u></u>		2012 04 05 @ 16-13-5	



Printed: 2012.04.05 @ 16:13:52

RILOBITE	DRILL STEM TES				
TESTING, INC.	Lario Oil & Gas Company		31-18s-	34w Scott CO	
	301S. Market St. Wichita KS		Kruse-	Novac 1-31	
	67202		Job Ticke	et: 46488 DST	#:4
THE AND	ATTN: Tim Lauer		Test Star	t: 2012.04.06 @ 03:34:1	õ
GENERAL INFORMATION:					
Formation: "K" Deviated: No Whipstock: Time Tool Opened: Time Test Ended: 08:21:30	ft (KB)		Test Typ Tester: Unit No:	e: Conventional Bottom Mike Roberts 48	Hole (Reset)
Interval: 4362.00 ft (KB) To 439 Total Depth: 4390.00 ft (KB) (TVI	)			3161.0	00 ft (KB) 00 ft (CF)
Hole Diameter: 7.88 inchesHole	Condition: Fair			KB to GR/CF: 10.0	00 ft
Serial #: 6668 Outside Press@RunDepth: psig @ Start Date: 2012.04.06 Start Time: 03:34:15	9 4385.00 ft (KB) End Date: End Time:	2012.04.06 08:21:30	Capacity: Last Calib.: Time On Btm: Time Off Btm:	8000.( 2012.04.( 2012.04.06 @ 05:31:4 2012.04.06 @ 05:53:1	15
IS: FF: FS: 		T	PRESS	SURE SUMMARY	
		Time	Pressure Ten		
	Тапревыша (dag f) 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 22	(psig) (deg 2219.76 103 2137.20 108	F) .44 Initial Hydro-static	
Recovery			(	Gas Rates	
Length (fl) Description	Volume (bbl)		Cha	ke (inches) Pressure (psig) (	Sas R <i>a</i> te (McI/d)
120.00 mud 100%m	1.68				

RILOBI		DRIL	LL STEM TEST I	REPOR		·.		SUMMAR
	The Alexandre State of the Stat	Lario Oil	& Gas Company		31-18s-34v	w Scott CC	)	
	NG , INC	301S. M			Kruse-Nov	vac 1-31		
		Wichita I 67202	KS		Job Ticket: 4	16488	DST#:4	1
			Tim Lauer		Test Start: 2	2012.04.06 @	03:34:15	
Aud and Cushion Info	rmation	······································					s r r	
Aud Type: Gel Chem			Cushion Type:			Oil API:		0 deg API
Aud Weight: 9.00 lb.			Cushion Length:		ft	Water Salinit	y:	0 ppm
/iscosity: 48.00 se Vater Loss: 8.77 in			Cushion Volume: Gas Cushion Type:		bbl		54 - 54 	
Resistivity: 0.00 of			Gas Cushion Pressure	9:	psig			
alinity: 6000.00 pr ilter Cake: 1.00 in							3 (j. 14) (j. 14)	
Recovery Information	******	····· ·	1941/4/41980830000000000000000000000000000000000					:
г		······································	Recovery Table		1	٦		
	Length ft	n	Description	÷.,	Volume bbl			
	1	20.00	mud 100%m		1.683	3		
Tota	al Length:	120.0	00 ft Total Volume:	1.683 bbl				
Nurr	n Fluid Sample	es: 0	Num Gas Bombs:	0	Serial #	:		
Lab	oratory Name		Laboratory Locatio	n:				
	~							
	overy Comm	ents:						
	overy Comm	enls:						
	overy Comm	ents:						
	overy Comm	ents:						
	overy Comm	ents:						
	overy Comm	ents:						
	overy Comm	ents:		:		· ·		
	overy Comm	ents:		:				
	overy Comm	ents:		:		· ·		
	overy Comm	ents:		:				
	overy Comm	ents:		:		•••		
	overy Comm	ents:		:				
	overy Comm	ents:		:		· ·		
	overy Comm	ents:		:				
	overy Comm	ents:		:		•••		
	overy Comm	ents:		:				
	overy Comm	ents:		:		•••		
	overy Comm	ents:		:		•••		
	overy Comm	ents:		:				
	overy Comm	ents:		:		•••		
	overy Comm	ents:		· · · · · · · · · · · · · · · · · · ·				

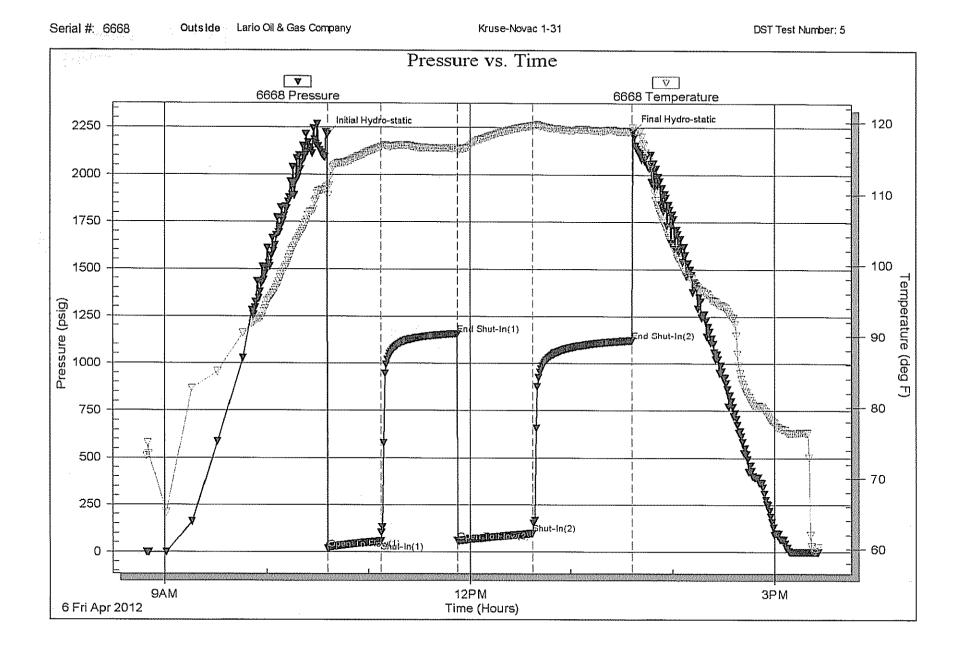


Ref. No: 46488

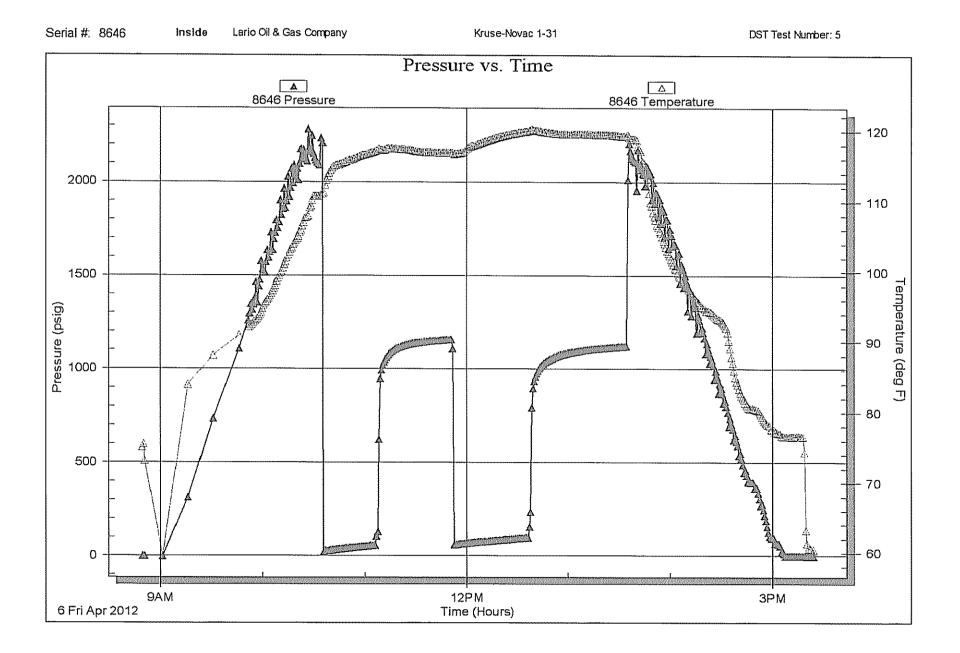
Printed: 2012.04.06 @ 08:50:48

RILOBITE	DRILL STEM TE					
	Lario Oil & Gas Company		31-	·18s-34v	v Scott C(	D
ESTING , INC.	301S. Market St.		Kn	use-Nov	/ac 1-31	
	Wichita KS 67202		Job	Ticket: 4	6489	DST#:5
	ATTN: Tim Lauer		Tes	t Start: 2	012.04.06 @	08:49:15
GENERAL INFORMATION:						
Formation: <b>"K"</b> Deviated: No Whipstock: Time Tool Opened: 10:36:00 Time Test Ended: 15:25:15	ft (KB)		Tes	ter:	Conventiona Mike Roberts 48	al Bottom Hole (Reset) s
Interval: 4367.00 ft (KB) To 43			Refe	erence B	evations:	3171.00 ft (KB)
Total Depth:4390.00 ft (KB) (TvHole Diameter:7.88 inchesHole				KB	to GR/CF:	3161.00 ft (CF) 10.00 ft
Serial #: 6668 Outside				<u>.</u>		
Press@RunDepth: 97.69 psig (	@ 4385.00 ft (KB)		Capacity	:		8000.00 psig
Start Date: 2012.04.06	End Date:	2012.04.06	Last Calit			2012.04.06
Start Time: 08:49:15	End Time:	15:25:15	Time On I Time Off		2012.04.06 ( 2012.04.06 (	
Pressure vs. Ti	me DOD Terrerus	Time				
	0001 Terzersean Anniewski	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotatio	n
	112	0	2212.14		Initial Hydro	o-static
		1	16.42		Open To Fl	ow (1)
		32 77	56.14 1156.85	116.52 116.40	Shut-In(1) End Shut-Ir	1(1)
			58.04		Open To Fi	
		122	97.69	119.53	Shut-In(2)	
		180	1119.70		End Shut-Ir	• •
	73 77 77 77 77 77 77 77 77 77 77 77 77 7	181	2224.79	119.20	Final Hydro	-stanc
					s Rates	······
ref An 2012 Ter A	Volume (bbl)				s Rates totes) Pressur	e (psig) Gas Rate (McI/d)
rinn 2012 Tenny 2	Volume (bbl) 0.84					e (psłg) Gas Raie (Mcl/d)
ref An 2012 Ter A	Volume (bbl)					e (psłg) Gas Rate (Mct/d)
rinn 2012 Tenny 2	Volume (bbl) 0.84					e (psłg) Gas Rate (Mc1/d)
rinn 2012 Tenny 2	Volume (bbl) 0.84					e (psig) Gas Rate (Mct/d)
rinn 2012 Tenny 2	Volume (bbl) 0.84					e (psig) Gas Rate (Mct/d)

	RILOBITE	DRILL STEM TE	SIREP					
主	And a second sec	Lario Oil & Gas Company		31	-18s-34v	/ Scott C	<b>o</b> da la series	a da da serie da ser Serie da serie
目目	ESTING , INC.	0010. 100.000		Kr	use-Nov	ac 1-31		
		Wichita KS 67202		Job	Ticket: 4	6489	DST#:5	
		ATTN: Tim Lauer		Tes	it Start: 2	012.04.06 @	፬ 08:49:15	÷
GENERAL	INFORMATION:					*****		
Formation:	.к.						:	N 1
	No Whipstock: ened: 10:36:00 Jed: 15:25:15	ft (KB)		Tes	ter:	Convention Mike Robert 48	al Bottom Hole ( Is	
nterval:	4367.00 ft (KB) To 43	390.00 ft (KB) (TVD)		Ref	erence B	evations:	3171.00 ft	(KB)
Fotal Depth:	4390.00 ft (KB) (T	/D)					3161.00 ft	(CF)
lole Diameter	r: 7.88 inchesHok	e Condition: Fair			KB	to GR/CF:	10.00 ft	
Serial #: 8	3646 Inside		<u>.</u>				· 1	
ress@RunC				Capacity			8000.00 p	sig
Start Date: Start Time:	2012.04.06 08:49:15	End Date: End Time:	2012.04.06 15:23:45	Last Cal Time On			2012.04.06	
	00.45.10		10.20.40	Time Off				
Į.			Time	Pressure	Temp	Annotati		
	Pressure vs. T			P	RESSU	RE SUMM	IARY	
[	in the second se	(50 Tercersus	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotati	on	
210		<u>h</u>		(1° - ° 37	,,.,,,,,,,,,,,,,,,,,,,,,,,,			
	1/							
1520			_					
			forst erst					
	4		iture (deg F)					
11	4		3					
		1 1						
m 4//						1		
	EPM Tree (filue)							
	the secovery				Ga	s Rates		
	Teme (Hours)				Ga		re (psig) Gas R	sie (Mc1/d)
UNAR 2012	Tre (Hice) Recovery Description mud 100%m	Volume (bbl) 0.84					re (psig) Gas Ri	ste (McI/d)
Length (fl)	The (Hora) Recovery Description	Volume (bbl)					re (psig) Gas R	ste (Mcl/d)
с с с с с с с с с с с с с с с с с с с	Tre (Hice) Recovery Description mud 100%m	Volume (bbl) 0.84					re (psig) Gas Ri	ate (Mc//ơ)
Length (f) 60.00	Tre (Hice) Recovery Description mud 100%m	Volume (bbl) 0.84					re (psig) Gas Ri	ale (Mcl/0)
Length (ft) 60.00	Tre (Hice) Recovery Description mud 100%m	Volume (bbl) 0.84		· ·			re (psig) Gas Ri	ate (Mc//ơ)

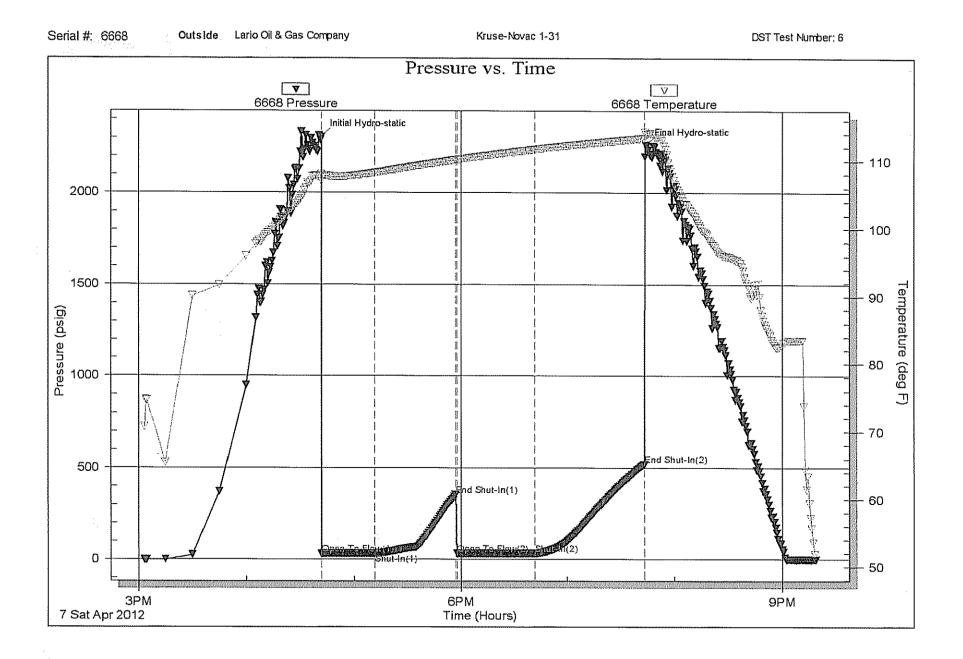


	DR	ILL STEM TEST R	EPOR	T	]	LUID SUMMARY
RILOBITE	Lario	Oil & Gas Company		31-18s-34v	v Scott CO	
TESTING	Wichit 67202	2		Kruse-Nov Job Ticket: 4	6489	DST#:5
		: Tim Lauer			2012.04.06 @ 08	.49:15
Mud and Cushion Informa	ion					
Mud Type:Gel ChemMud Weight:9.00 lb/galViscosity:48.00 sec/qtWater Loss:8.78 in³Resistivity:0.00 ohm.mSalinity:6000.00 ppmFiller Cake:1.00 inches		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:		ft bbl psig	Oil API: Water Salinity:	0 deg API 20000 ppm
Recovery Information						
l l		Recovery Table		I	T	
	Length ft	Description		Volume bbl		
	60.00	mud 100%m		0.842	4	
Total Len	180.00	mcsw 10%m 90%sw 0.00 ft Total Volume:	3.367 bbl	2.525	1	
Laborator		Num Gas Bombs: Laboratory Location ₩=.419@59.7= 20,000 ppm	0	Serial #:		



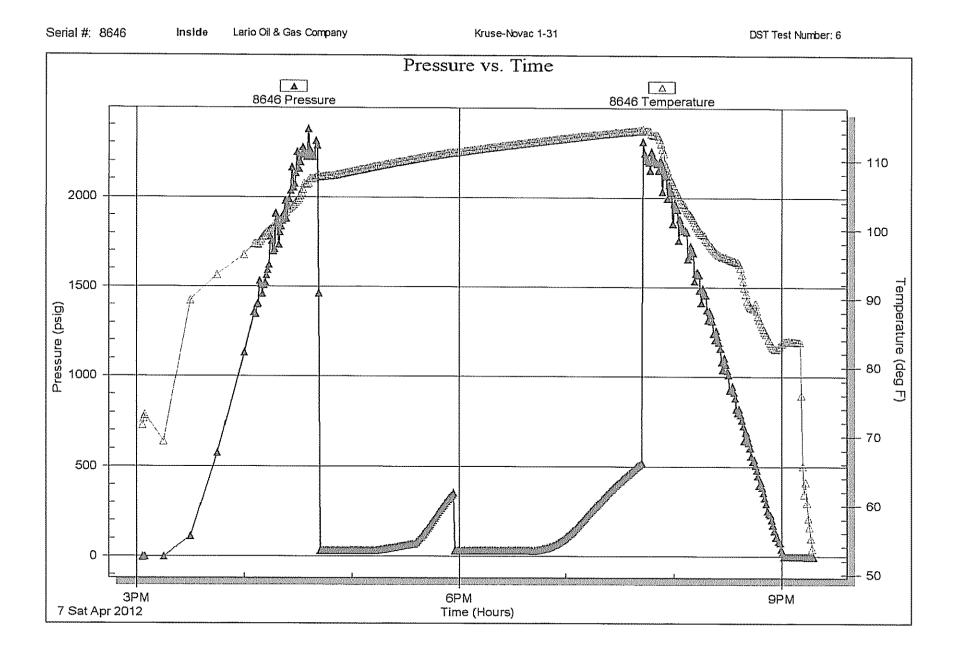
	DRILL STEM TES	ST REP	ORT				
	Lario Oil & Gas Company	31-18s-34w Scott CO					
ESTING , INC.	301S. Market St.		Kru	ise-Nov	ac 1-31		
	Wichita KS 67202		Job	Ticket: 4	6490	DST#:(	5
	ATTN: Tim Lauer		Test	Start: 2	012.04.07 @	15:03:15	
SENERAL INFORMATION:							
Formation: Marmaton "B" Deviated: No Whipstock: Time Tool Opened: 16:42:15 Time Test Ended: 21:19:00	ft (KB)		Test Test Unit :	er:	Conventiona Mike Roberts 48		e (Reset)
nte <b>rval: 4530.00 ft (KB) To 45</b> otal Depth: 4583.00 ft (KB) (TV lole Diameter: 7.88 inchesHole	D)		Refe		evations: to GR/CF:	3171.00 3161.00 10.00	ft (CF)
				~D		10.00	•••
Serial #: 6668         Outside           ress@RunDepth:         30.74 psig           tart Date:         2012.04.07           tart Time:         15:03:00	4534.00 ft (KB) End Date: End Time:	2012.04.07 21:18:45	Capacily: Last Calib Time On E Time Off E	.: Strn:	2 2012.04.07 @ 2012.04.07 @	-	psig
EST COMMENT: IF:Built to w eak so IS:No return blow FF:No blow FS:No return blow	,	T					<del></del>
Pressure vs. Th The future					E SUMMA		
	- 15	Time (Min.) 0	2303.29	Temp (deg F) 108.07	-	-static	
		1 30	29.90 31.69	106.93 108.25	Open To Flo Shut-In(1)	ow (1)	
		76	353.68	110.15		(1)	
		76	31.92		Open To Flo	ow (2)	
		121 182	30.74 520.83		Shut-In(2) End Shut-In	(2)	
		183	2260.01	113.90			
27N 2012 Three (Hours)	CP14						
		<b> </b>		Gas	Rates		
Recoverv			[	Choke (ir		(psig) Gas	Rate (McI/d)
Length (fl) Description	Volume (bbl)			<u> </u>		ł	
Length (fl) Description	0.07	· <u>.</u>					
Length (fl) Description							
Length (fl) Description		Γ <u>Γ</u>					
Length (fl) Description		L					

RILOBITE	DRILL STEM TES	ST REP				
S S 4 Language	Lario Oil & Gas Company		31-18	s-34w Sc	ott CO	
ESTING , INC.	301S. Market St. Wichita KS			e <b>-Novac 1</b> :ket: 46490		. <b>c</b>
	67202					.0 11.1
"HIMACITY"	ATTN: Tim Lauer		Test S	tart: 2012.0	4.07 @ 15:03:15	
GENERAL INFORMATION:					to prise and	
Formation:     Marmaton "B"       Deviated:     No       Time Tool Opened:     16:42:15       Time Test Ended:     21:19:00	ft (KB)		Test Ty Tester Unit No	: Mike	entional Bottom H Roberts	
Interval: 4530.00 ft (KB) To 45	83.00 ft (KB) (TVD)		Refere	nce Bevatio	ons: 3171.00	) ft (KB)
Total Depth: 4583.00 ft (KB) (TV						) ft (CF)
Hole Diameter: 7.88 inches Hole	Condition: Fair			KB to GR	VCF: 10.00	) ft
Serial #: 8646 Inside Press@RunDepth: psig (		2010 04 07	Capacity:		8000.00	
Start Date:         2012.04.07           Start Time:         15:03:15	End Date: End Time:	2012.04.07 21:18:00	Last Calib.: Time On Btn Time Off Btr	n	2012.04.07	, ,
Pressure vs. Ti	me <u>المحالية</u> المحالية المحالية المح	Time			UMMARY	·····
E E	10	(Min.)		teg F)	notation	
		Temporative				
ארע פאע איז						
				Gas Ra	ites	
Recovery	:	1		Choke (Inches)	Pressure (psig) C	ias Rate (Micl/d)
Length (11) Description	Volume (bbi)			0.000 (((0.00))		
	Volume (bbl) 0.07					<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
Length (11) Description					- Leannan ann ann ann ann ann ann ann	<u></u>
Length (11) Description					- <b>1</b>	<u>, , , , , , , , , , , , , , , , , , , </u>
Length (11) Description					м <u>5</u>	<u></u>
Length (1) Description					a <u>f een een een een een een een een een ee</u>	



Printed: 2012.04.08 @ 09:04:53

ACT T		DRILL	STEM TEST REP	ORT			FLUID SUMMAF
	RILOBITE	Lario Oil & G	as Company		31-185-34	w Scott CO	
	ESTING , INC.	301S. Markel	St.		Kruse-No	vac 1-31	
		Wichita KS 67202			Job Ticket: 4		DST#:6
		ATTN: Tim L	auer		Test Start: 2	2012.04.07 @ 1	5:03:15
Mud and Cust	hion 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:	57.00 sec/qt		Cushion Volume:		bbl		
Water Loss: Resistivity:	9.17 in³ 0.00 ohm.m		Gas Cushion Type: Gas Cushion Pressure:		psig		
	6800.00 ppm		Gas cushion riessure.		paig		
Filter Cake:	1.00 inches						
Recovery Info	rmation						·
		. I	Recovery Table		<b></b>	1	
	Lengti ft		Description		Volume bbl		
		5.00 mud	100% m		0.070		
	Total Length:	5.00 ft	Total Volume: 0.03	70 bbl			
	Num Fluid Sampl		Num Gas Bombs: 0		Serial #:		
	Laboratory Name		Laboratory Location:				
	Recovery Comm	ents:					
	-						
Trilobite Testing	i, inc	Ref. No:	46490		Printed:	2012.04.08 @ 0	9:04:52



Printed: 2012.04.08 @ 09:04:53