Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1108279

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 North / 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	Duilling Fluid Management Dian		
Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)		
	Chloride content: ppm Fluid volume: bbls		
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:		
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	QuarterSecTwpS. R East West		
Recompletion Date 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 Two	1108279
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	

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	ets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geologi	ical Survey	Yes No	Name	9		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		Report all strings set-c	conductor, surface, inte	rmediate, product	tion, 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 / SQU	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)

 No
 (If No, skip question 3)

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, Ce (Amount and Kind	ement Squeeze Record of Material Used)	Depth		
TUBING RECORD:	Siz	e: S	Set At:	Pack	er At:	Liner F		No	
Date of First, Resumed	Producti	on, SWD or ENHR.		Producing Method:	nping	Gas Lift	Other <i>(Explain)</i>		
Estimated Production Per 24 Hours		Oil Bbls.		Gas Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF G	iAS:	!	METHOD	OF COMPL	ETION:		PRODUCTION INTI	ERVAL:
Vented Solo (If vented, Sul		Jsed on Lease -18.)		Dpen Hole Perf.	Duall (Submit	,	Commingled (Submit ACO-4)		

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	JF Group A 1-19
Doc ID	1108279

All Electric Logs Run

MPD/MDN	
MAI/MFE	
MML	
MSS	

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	JF Group A 1-19
Doc ID	1108279

Tops

Name	Тор	Datum
Heebner	3993	-772
Lansing	4037	-816
Stark Shale	4333	-1112
Hushpuckney	4391	-1170
Base KC	4476	-1255
Marmaton	4509	-1288
Pawnee	4600	-1379
Ft. Scott	4624	-1403
Johnson	4732	-1511
Morrow	4825	-1604
Basal Penn	4932	-1711
Mississippian	4980	-1759
St. Louis	5040	-1819
Spergen	5184	-1963

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



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

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

February 28, 2013

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

Re: ACO1 API 15-203-20197-00-00 JF Group A 1-19 SE/4 Sec.19-18S-35W Wichita 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



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: 134463 Invoice Date: Jan 15, 2013 Page: 1

Drilling AFE 13-005 CK 2/1/13



		"Sure Pumping Se	rvice, L
Customer ID	Well Name/# or Customer P.O.		
Lario	Ladiem of customer P.O.	Pavme	nt Terms
Job Location	JF Group A #1-19		
KS1-01	Camp Location	Service Date	0 Days
Statute to the second second	Oakley		Due Date
Quantity	m	Jan 15, 2013	2/14/13
225.00 MAT	Description Class A Common	Unit Price	
4.00 MAT	Gel		Amount
8.00 MAT	Chloride	17.9	4,027,50
243.00 SER		23.4	93.60
555.00 SER	Cubic Feet	64.0	1 512.00
1.00 SER	Ton Mileage	2.4	8 602.64
50.00 SER	Surface	2.6	1,443.00
	Pump Truck Mileage	1,512.2	5 1,512.25
50.00 SER	Light Vehicle Miles	7.70	385.00
1.00 CEMENTE	R Andrew Forelund	4.40	
1.00 EQUIP OP	ER Dane Retzloff		220.00
1.00 OPER ASS	SIST David Scariano		
	Containo		
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		PC 1	
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1			
		le le	Array
		the second se	The West Margan
L PRICES ARE NET, PAYA	BLE Subtotal		
DAYS FOLLOWING DATE NVOICE. 11/2% CHARGE			8,795.99
にいにんだすたん 「にんへつへいいー			384.55
IRRENT, TAKE DISCOUNT	OF Payment/O, in .		
			9,180.54
\$2638.79	TOTAL		
			9,180.54
ILY IF PAID ON OR BEFOR	E		
Feb 9, 2013			

Try	RESE MAX MIDINUM CHARLET IN CSG. MIDINUM CHARLET IN CSG. MIDINUM CHARLET IN CSG. MIDINUM CHARLET IN CSG. MIDINUM PRIVER DISPLACIENT EQUIPMENT PRIVER 1.270 DEFVER JOACS J 1.270 DEFVER JOACS J 1.270 DEFVER JOACS J 1.270 DEFVER JOACS J 1.270 DEFVER JOACS J NARGE TO: Le NO OLL HEAS THE MIDINUM	
PLUG & FLOAT EQUIPMENT PLUG & FLOAT EQUIPMENT $\frac{1}{10}$, $\frac{1}{10}$, $\frac{1}$	COMMON <u>225.46</u> 0.2282 422475 NOTE <u>4.46</u> 0.2282 42255 CHLORIDE <u>3.46</u> 0.2282 42255 CHLORIDE <u>3.46</u> 0.2276 2020 	1-19 & GAS SERVICES, LLC 060101 Federal Parts. # 20-486-447 SERVICE FORM: 20-16-54 COLLED OUT ON LOCATION 101-1915 20-16-54 20-16



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

Bill To:

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

ONLY IF PAID ON OR BEFORE Feb 20, 2013 INVOICE

Invoice Number: 134560 Invoice Date: Jan 26, 2013 Page: 1

Now Includes:



Customer	·ID	Wel	Name/# or Customer P.O.	1	Payment	
Lario			<u>J F Group A #1-19</u>		Net 30 E	and the second of the second o
Job Locati	ion		Camp Location	S S	ervice Date	Due Date
KS1-02			Oakley	Ja	an 26, 2013	2/25/13
Quantity	Item		Description		Unit Price	Amount
550.00 M/	CONTRACTOR OF THE OWNER OWN	ALC2A			15.95	8,772.50
138.00 M	IAT	Flo Seal			2.97	409.86
820.27 SE	ER	Cubic Fee	et		2.48	2,034.27
1,688.00 SE	ER	Ton Milea	age	1	2.60	4,388.80
1.00 SE	ER	Productio	n Top Stage		2,406.25	2,406.25
50.00 SE	ER	Pump Tru	uck Mileage No Charge			
1.00 SE	ER	Manifold	Rental No Charge			
50.00 SE	ER	Light Veh	icle Mileage No Charge			
1.00 CE	EMENTER	LaRene V	Ventz			
1.00 EC	QUIP OPER	Wayne M	cGhghy			
1.00 OF	PER ASSIST	Darren He	oeb			ρ
1.00 OF	PER ASSIST	Ty Shcroo	ck		fl fl	
ALL PRICES ARE I	NET DAVADIE		Subtotal			18,011.68
30 DAYS FOLLOW	NING DATE OF		Sales Tax			762.14
INVOICE. 11/2%	% CHARGED		Total Invoice Amount	••••		18,773.82
THEREAFTER. IF		_	Payment/Credit Applied			
CURRENT, TAKE	DISCOUNT OF		TOTAL			18,773.82

drilling AFE 13-005

2-5-13 614

	ALLIED			SER 20-5976804	VIC	;es,1	LLC	05887	3
MIT TO P.O. B SOUT	OX 93999 HLAKE, TEXAS 76		n nom	40.0010001		SERV	ICE POINT;	ley K	
ъ/-26-13	SEC. 19 TWR 18	RANGE	CAL	LED OUT	oß	OCATION		JOB FINISH	740
T-Gressig	WELL# /-19	LOCATION	7 Cus	that K.	15.	Yow.	COUNTY LICAN	STATE	
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ES. MAX	MIN	ІІМИМ	(COMMON_					
AS, LINE MENT LEFT IN		DE JOINT		OZMIX	<u></u>		_@ @		
XFS.	· ·			CHLORIDE			_@ _@		_ \
PLACEMENT	38.29 6	57	_ /	ASC		550	@	8712.	
	EQUIPMENT		-	ALERI	4	Y DE TE OF	se <u>15,95</u> 0	4598	2 1.1
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I K TRUCK			1, .	····			_@ @	· · · · · · · · · · · · · · · · · · ·	-
	DRIVER Darr	in Holeb	<u> </u>				@		
LK TRUCK 347	driver Ty	Schrock	3	HANDLINO MILEAGE	7 A C 53.96	5.77 St	0 2.48 0 X2.60	7034 4388	27
plug R	REMARKS; <u>4-H-15-5KJ</u> .H. 305KS 5 K3 Cene	NoM.H			1688	SERVI	CE .	15605,	3
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u are hereby r d furnish cem	Gas Services, LLC requested to rent ce enter and helper(s)	inenting equipments to assist owner or				anna - Constanting and Sold a Social			
ne to satisfact ntractor. I hav 3RMS AND C	work as is listed. T ion and supervisior ve read and underst ONDITIONS" liste	of owner agent o and the "GENERA d on the reverse s	r AL	SALES TÁY TOTAL CH	K (If Ar ARGE	19) - <u>76</u> 5 - <u>186</u> 6 30 4	тота 2, <u>1-3</u> 9 /1, 6, 8 9 лер		
JNTED NAMI	Tim G	f. Sould	 	B	id		B	30	

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

Bill To;

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

ONLY IF PAID ON OR BEFORE Feb 20, 2013 drilling AFE 13-005 2-5-13 LK



Invoice Number: 134559 Invoice Date: Jan 26, 2013 Page: 1

Now Includes:



Custom	ner ID	Well Name# or Customer P.O.	Payment	Terms
Lar	0	J F Group A #1-19	Net 30 I	
Job Loc	cation	Camp Location S	ervice Date	Due Date
KS1-	-02	Oakley Ja	an 26, 2013	2/25/13
Quantity	Item	Description	Unit Price	Amount
	MAT	Gel	23.40	
290.00	MAT	ASC	20.90	6,061.00
82.00		FL-160	18.90	1,549.80
41.00	1	Defoamer	9.80	401.80
28.00		Salt	26.35	737.80
1,450.00		Gilsonite	0.98	1,421.00
12.00		Super Flush	58.70	704.40
	SER	Cubic Feet	2.48	926.11
810.50		Ton Mileage	2.60	2,107.30
	SER	Production Bottom Stage	3,099.25	3,099.25
50.00		Pump Truck Mileage	7.70	
	SER	Manifold Head Rental	275.00	275.00
50.00		Light Vehicle Mileage	4.40	220.00
	EQP	4.5 D V Tool	4,831.60	4,831.60
	EQP	4.5 Packer Shoe	2,590.38	2,590.38
	EQP	4.5 Latch Down Plug	272.61	
16.00		4.5 Centralizer	56.16	898.56
	EQP	4.5 Basket	315.90	315.90
	CEMENTER	LaRene Wentz	right of the second sec	
	EQUIP OPER	Wayne McGhghy		
1.00		David Scariano	,	
1.00				

	Subtotal	Continued
ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF		Continued
INVOICE. 1 1/2% CHARGED	Total Invoice Amount	Continued
THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF	Payment/Credit Applied	
\$ 9420 <u>67</u>	TOTAL	Continued



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: 134559 Invoice Date: Jan 26, 2013 Page: 2

Now Includes:



Custom	PARTICLE AND ADDRESS AND ADDRESS ADDRES	W	ell Name# or Customer P.O.	Paymen	
Lari		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	J F Group A #1-19 Camp Location	Net 30	Days Due Date
Job Loc KS1-			Oakley	Jan 26, 2013	2/25/13
	l .	70-1			
Quantity		Demes	Description	Unit Price	Amount
	OPER ASSIST	Darren			
1.00	OPER ASSIST	Ty Schr	IOCK		
-				······································	
			ا از این از میکند. میکند بر در این	:	
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			- 11日本 (11日本) - 11日本) - 11日年) - 11日年) - 11日年) - 110000000000000000000000000000000000		
			and the second		
L			Subtotal		26,914.51
	RENET, PAYABL		Sales Tax		1,651.85
	OWING DATE OF /2% CHARGED	-	Total Invoice Amount		28,566.36
THEREAFTER.	IF ACCOUNT IS		Payment/Credit Applied		
-	KE DISCOUNT OF	L	TOTAL		28,566.36
¢					

\$

ONLY IF PAID ON OR BEFORE Feb 20, 2013

, Federal Tax I	SSERVICES, LLC 058872
REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	SERVICE POINT:
DATE/ RG-12 17 18 35	CALLED OUT ONLOCATION JOB START JOB FINISH 7100 and 12100 N 100 pm
DFG race A well # 1-19 LOCATION Mary	
OLD OF NEW (Dircle one)	to 1,02 8,2
CONTRACTOR WW #2	OWNER Some
TYPEOFJOB Production Botton Sta	ge
HOLESIZE 7/7 T.D. 52501	CEMENT 200 - 4 doe 400 - 4
CASINO SIZE Y YA DEPTH S131.46	AMOUNT ORDERED 290 3 Kr. ASC 1628217 22-201, 5+49/1524170, -525 FL/60
DRILL PIPE DEPTH	. 15 to Det Damen 12661 SuperFiler
TOOL DU, DEPTH 2.408,04	TO TO REFORMENT TABORO - POTTAL
PRES. MAX MINIMUM	COMMON@
$\frac{\text{MEAS, LINE}}{\text{CEMENT LEFT IN CSG, } 42.73}$	POZMIX@
PERFS.	GEL <u>59.01</u> @ <u>23.48</u> <u>117.00</u> CHLORIDE @
DISPLACEMENT SO. 92 661	ASC 290,5KS @ 20.70 6061,00
EQUIPMENT	FL160 82# @ 18:90 1549.80
	Detamer 41 # @ 2.80 401.80
UMPTRUCK CEMENTER hat and E. Want	5017 28 5,45 @ 26.35 737.80 gilsonite 1450 # @ ,98 1421.00
1422 HELPER Wayne Mc Ghopy	9113041Fe 1450 FF @ . 78 1421.00
373/308 DRIVER David Scartane	Superflesh 12661 @ 58.70 704.40
IULKTRUCK	@/
DRIVER Darrin Hueb 3	HANDLING 323.93 575 @ 2.48 926:11
TY Schrock 3	HANDLING 373.43 54 @ 2.48 726.11 MILBAGB & 2/42 450 450 4260 2107.30
REMARKS:	(TOTAL 14-026.2/
ump ball through 800 H. Circulate	+ 810.5 WIND 27
MW Superflush Mir 290 5KD Com	ent SERVICE
Wiplace with water of meral.	#
Trailater 3 hrs.	[#] DEPTH OF JOB 5131.46
An order of Order Th	PUMP TRUCK CHARGE <u>33297,25</u> EXTRA FOOTAGE @
	MILEAGE MITHU 50 @ 7.70 38500
Jhank Vou	MANIFOLD head @ 275,00
	MICU 50 @ 9,40 220.00
HARGE TO: Laria Oil & Gas Ca.	@
	TOTAL 3772.25
'REBT	IUIAL 22 - EAL
TYSTATEZIP	PLUG & FLOAT EQUIPMENT
	DUTool 48360
	Packer 541-e @ 2590.38
A Allied Oll & Gas Services II C	Latehdown Dleg @ 272-61 16 Central Mers @ Storl6 898 250
 Allied Oil & Gas Services, LLC. u are hereby requested to rent cementing equipment 	Basket @ 315.90
I furnish cementer and helper(s) to assist owner or	@
tractor to do work as is listed. The above work was	
pe to satisfaction and supervision of owner agent or	TOTAL 8909.05
itractor. I have read and understand the "GENBRAL	SALES TAX (IF Any) 1651, 85
RMS AND CONDITIONS" listed on the reverse side.	2/26/11/51
the second s	TOTAL CHARGES 26914,51 DISCOUNT 9420,07 IR PAID IN 30 DAYS
NTED NAME TIM Gilleg 14	DISCOUNT Y 420,0 7 IF PAID IN 30 DAYS
	Bid 11494,44
NATURE 2: Bullongly	N'Y SEA
U)	SIL
for any	

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RILOBITE	DRILL STEM TES	ST REP	ORT				
	Lario Oil & Gas Company		19-	18s-36w	Wichita (Co. KS	
ESTING , INC	301 S Market ST Wichita KS, 67202-3805			Group A Ticket: 49		DST#: 1	
	ATTN: Max Armstrong)13.01.20 @		
GENERAL INFORMATION:	·····						
Formation: Kansas City ''I'' Deviated: No Whipstock: Time Tool Opened: 23:16:15 Time Test Ended: 04:24:00	ft (KB)		Test Test Unit	ter:	Conventional Jace McKinne 16		e (Initial)
nterval: 4260.00 ft (KB) To 42 Total Depth: 4290.00 ft (KB) (TV Hole Diameter: 7.88 inches Hole	′D)		Refe	erence Ele KB te	vations: o GR/CF:	3221.00 3216.00 5.00	ft (CF)
Serial #: 8675 Inside Press@RunDepth: 146.71 psig 2013.01.20 Start Date: 2013.01.20 Start Time: 20:55:15	End Date: End Time:	2013.01.21 04:24:00	Capacity: Last Calit Time On I Time Off	o.: Btm: 2	2 2013.01.20 @ 2013.01.21 @	-	psig
Bled off for 5 min B.O.B. in 23 min. Bled off for 5 min	. No return blow	.					
Pressure vs. Ti 8076 Pressure	1000 E875 Temperature				RE SUMMA		
220 200 1760 17	00 (Market Market Marke	Time (Min.) 0 1 31 76 76 122 182 182 183	Pressure (psig) 2144.62 23.30 90.03 1098.07 102.60 146.71 1044.03 2101.43		Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In	-static ow (1) (1) ow (2) (2)	
				Gas	s Rates		
Recovery	Volume (bbl)			Choke (ir	nches) Pressure	e (psig) Ga	s Rate (Mcf/d)
Length (ft) Description				-			
Length (ft) Description 123.00 gcom 10%G 30%O 60%N	Λ 0.60						

	DRILL STEM TEST REPORT	FLUID SUMMAR
RILOBITE	Lario Oil & Gas Company	19-18s-36w Wichita Co. KS
TESTING , INC.	301 S Market ST Wichita KS, 67202-3805	JF Group A #1-19
	ATTN: Max Armstrong	Job Ticket: 49944 DST#: 1 Test Start: 2013.01.20 @ 20:55:00
Mud and Cushion Information		
Mud Type: Gel Chem	Cushion Type:	Oil API: 32 deg API
Mud Weight: 9.00 lb/gal		ft Water Salinity: ppm
Viscosity: 51.00 sec/qt	Cushion Volume:	bbl
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure:	psig
Salinity: 5200.00 ppm Filter Cake: 1.00 inches		
Recovery Information		
-	Recovery Table	·
Leng	th Description	Volume bbl
	123.00 gcom 10%G 30%O 60%M	0.605
	207.00 gco 5%G 95%O	2.896
Total Length:	330.00 ft Total Volume: 3.501 bbl	
Num Fluid Samp Laboratory Nam Recovery Comm		Serial #:

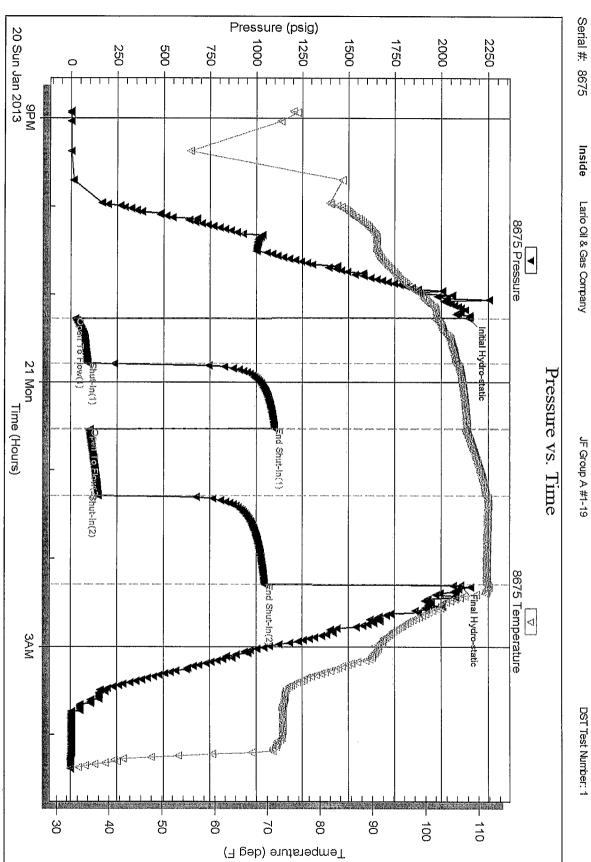
Trilobite Testing, Inc

Printed: 2013.01.21 @ 05:18:53

Printed: 2013.01.21 @ 05:18:53

Ref. No: 49944

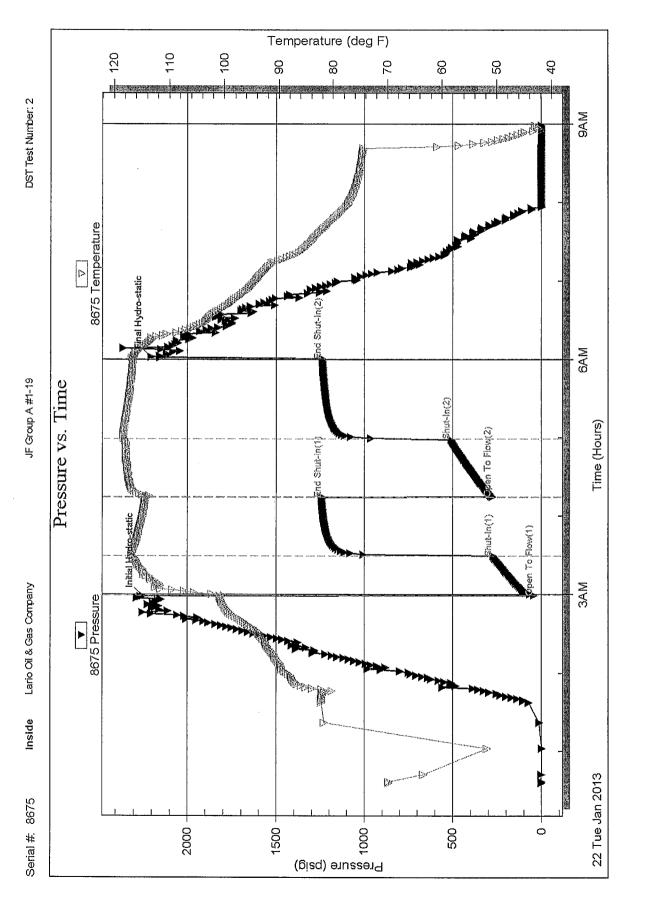
Trilobite Testing, Inc



DST Test Number: 1

RILOBITE	DRILL STEM TES	ST REP	ORT		
	Lario Oil & Gas Company		19-18	Bs-36w Wichita	ı Co. KS
ESTING , INC	301 S Market ST Wichita KS, 67202-3805		JF G	roup A #1-19	
	Wichita Ko, 07202-3605		Job Ti	cket: 49945	DST#: 2
	ATTN: Max Armstrong		Test S	Start: 2013.01.21 (@ 00:35:00
GENERAL INFORMATION:					
Formation: Lower Kansas City Deviated: No Time Tool Opened: 02:59:15 Time Test Ended: 08:58:15	ft (KB)		Test T Testei Unit N	r: Jace McKir	nal Bottom Hole (Reset) nney
Interval: 4425.00 ft (KB) To 44 Total Depth: 4491.00 ft (KB) (T∨	'D)		Refere	ence Elevations:	3221.00 ft (KB) 3216.00 ft (CF)
Hole Diameter: 7.88 inches Hole	Condition: Fair			KB to GR/CF:	5.00 ft
Serial #: 8675 Inside Press@RunDepth: 508.97 psig 0 Start Date: 2013.01.22 00:35:15	 4426.00 ft (KB) End Date: End Time: 	2013.01.22 08:58:15	Capacity: Last Calib.: Time On Bt , Time Off Bt	m: 2013.01.22	8000.00 psig 2013.01.18 2 @ 02:58:45 2 @ 06:01:30
IEST COMMENT: B.O.B. in 6 min. Bled off for 5 min B.O.B. in 8 min. Bled off for 5 min	. No return blow				
Pressure vs. Ti 8375 Pressure	회18 전 9875 Temperature	ļ		SSURE SUM	
	100 Transmer	Time (Min.) 0 1 31 76 76 120	(psig) (2248.16 41.65 272.14 1238.40 278.53	Temp Annotat (deg F) Initial Hyd 100.85 Initial Hyd 100.09 Open To 116.56 Shut-In(1 114.32 End Shut- 113.84 Open To 118.08 Shut-In(2)	ro-static Flow (1)) -In(1) Flow (2)
1000 600 600 600 600 600 600 600	-70 -73 -73 -73 -73 -73 -73 -73 -73 -73 -73	182	1238.62	116.58 End Shut 116.46 Final Hyd	-In(2)
Recovery			I	Gas Rates	
Length (ft) Description	Volume (bbl)				sure (psig) Gas Rate (Mcf/d)
501.00 100% Water	5.90		······		
252.00 mcw 30%M 70%W	3.53				
189.00 w cm 50%W 50%M	2.65				
128.00 w cm 10%W 90%M	1.80				
* Recovery from multiple tests					
Trilobite Testing, Inc	Ref. No: 49945	I		Printed: 2013.01.2	2 @ 00:20:49

Testing , Inc Solar Gas Company 19-168-36W Wichita Co. KS 301 S Market ST JF Group A #1-19 Job Ticket: 49945 DST#:2 ATTN: Max Armstrong Test Start: 2013.01.21 @ 00:35:00 Mud and Cushion Information Mud Yppe: Gel Chem Oil API: Mud Weight: 9.00 lb/gal Cushion Type: Oil API: Mud Vigint: 9.00 lb/gal Cushion Volume: bbl Viscosity: 60.00 sec/qt Cushion Volume: bbl Vater Loss: 8.79 in ⁴ Gas Cushion Type: Psig Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 6800.00 ppm Filter Cake: 1.00 inches Recovery Table Length Description If the Description Volume 5.899 252.00 mcw 30%M 70%W 3.535 128.00 wcm 10%W 90%M 1.796 Total Length: 1070.00 ft 128.00 wcm 10%W 90%M 1.796 Num Fluid Samples: 0 Num Fluid Samples: 0 Num Gas Bornbs: 0 Serial #:	MMAF
Wichita KS, 67202-3805 Job Ticket: 49945 DST#: 2 ATTN: Max Armstrong Test Start: 2013.01.21 @ 00:35:00 Mud and Cushion Information Ushion Type: Oil API: Wud Type: Gel Chem Cushion Type: Oil API: Wud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: Viscosity: 60.00 sec/qt Cushion Volume: bbl bbl Water Loss: 8.79 in ³ Gas Cushion Type: Resistivity: ohmm Gas Cushion Type: Resistivity: ohmm Gas Cushion Pressure: psig salinity: 6800.00 ppm Filter Cake: 1.00 inches Recovery Table Ecovery Table Image: Salinity: 5.899 Solid Length Description Volume bbl 5.899 Solid Length: 1070.00 ft Total Volume: 13.881 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:	
Wuld Type: Gel Chem Cushion Type: Oil API: Viud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: Viscosity: 60.00 sec/qt Cushion Volume: bbl Vater Loss: 8.79 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 6800.00 ppm	
Aud Type: Gel Chem Cushion Type: Oil API: Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: /iscosily: 60.00 sec/qt Cushion Volume: bbl Vater Loss: 8.79 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 6800.00 ppm ft Notice Salinity: 6800.00 ppm Recovery Table Ft Recovery Information Volume Description Volume ft Description Volume bbl 501.00 100% Water 5.899 252.00 mcw 30%M 70%W 3.535 189.00 w cm 10%W 90%M 1.796 Total Length: 1070.00 ft 128.00 w cm 10%W 90%M 1.796 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:	
Recovery TableLength ftDescriptionVolume bbl501.00100% Water5.899252.00mcw 30%M 70%W3.535189.00w cm 50%W 50%M2.651128.00w cm 10%W 90%M1.796Total Length:1070.00 ftTotal Length:1070.00 ftTotal Volume:13.881 bblNum Fluid Samples:0Num Gas Bombs:0Serial #:Laboratory Name:Laboratory Location:1000 ftSerial #:	deg API ppm
Length ft Description Volume bbl 501.00 100% Water 5.899 252.00 mcw 30%M 70%W 3.535 189.00 w cm 50%W 50%M 2.651 128.00 w cm 10%W 90%M 1.796 Total Length: 1070.00 ft Total Volume: 13.881 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Volume:	
ft bbl 501.00 100% Water 5.899 252.00 mcw 30%M 70%W 3.535 189.00 w cm 50%W 50%M 2.651 128.00 w cm 10%W 90%M 1.796 Total Length: 1070.00 ft Total Volume: 13.881 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: 1000 100%	
501.00 100% Water 5.899 252.00 mcw 30%M 70%W 3.535 189.00 w cm 50%W 50%M 2.651 128.00 w cm 10%W 90%M 1.796 Total Length: 1070.00 ft Total Volume: 13.881 bbl Num Fluid Samples: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location:	
189.00 w cm 50%W 50%M 2.651 128.00 w cm 10%W 90%M 1.796 Total Length: 1070.00 ft Total Volume: 13.881 bbl Num Fluid Samples: 0 Serial #: Laboratory Name: Laboratory Location: 1000000000000000000000000000000000000	
128.00w cm 10%W 90%M1.796Total Length:1070.00 ftTotal Volume:13.881 bblNum Fluid Samples:0Serial #:Laboratory Name:Laboratory Location:	
Total Length: 1070.00 ft Total Volume: 13.881 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	

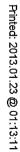


Printed: 2013.01.22 @ 09:20:49

Ref. No: 49945

RILOBITE	DRILL STEM TES						
TESTING, INC.	Lario Oil & Gas Company		19-1	8s-35w	Wichita	Co. KS	
ESTING, INC.	301 S Market ST Wichita KS, 67202-3805			Group A ïcket: 49		DST#: 3	
	ATTN: Max Armstrong		Test	Start: 20	13.01.22 @	19:15:00	
GENERAL INFORMATION:							
Formation: Marmaton Deviated: No Whipstock: Fime Tool Opened: Fime Test Ended: 23:46:15	ft (KB)		Test Teste Unit N	er: J	Conventional lace McKinn l6	Bottom Hole (ey	Reset)
nterval: 4510.00 ft (KB) To 454 Total Depth: 4546.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)		Refer	rence ⊟e KB to	vations: o GR/CF:	3221.00 ft 3216.00 ft 5.00 ft	(CF)
Serial #: 8675 Inside Press@RunDepth: psig @ Start Date: 2013.01.22 Start Time: 19:15:15	 4511.00 ft (KB) End Date: End Time: 	2013.01.22 23:46:15	Capacity: Last Calib. Time On B Time Off B	tm: 2	2013.01.22 (2013.01.22 (-	sig
Pressure vs. Ti			PR	ESSUR	E SUMM/	ARY	
200 0075 Prestue 200 00 00 00 00 00 00 00 00 0	DB7G Temperature 007G Tempera		Pressure (psig) 2191.48 2183.98	Temp (deg F) 102.60 106.67	Annotatio Initial Hydro Final Hydro	-static	
Recovery				Gas	s Rates		
Length (ft) Description	Volume (bbl)			Choke (ir	nches) Pressur	e (psig) Gas R	ate (Mcf/d)

ACT -		DRII	L ST	EMTEST	REPO	RT			FLUID S	UMMARY
TES	RILOBITE ESTING , INC	Lario Oil & Gas Company				19-18s-35w Wichita Co. KS				
	ESTING , INC.		301 S Market ST Wichita KS, 67202-3805				JF Group		D07# 0	
			Max Arms				Job Ticket: 4	9946 013.01.22 @	DST#: 3	
		ATTN:	wax Arm					.013.01.22 @	19.15.00	
	shion Information		-							-l A DI
Mud Type: Ge Mud Weight:	l Chem 9.00 lb/gal			ishion Type: Ishion Length:				Oil API: Water Salinity	<i>r</i> :	deg API ppm
Viscosity:	56.00 sec/qt			ishion Volume:			bbl		,	
Water Loss:	7.99 in ³			as Cushion Type:						
Resistivity:	ohm.m		Ga	as Cushion Pressu	re:		psig			
Salinity: Filter Cake:	7600.00 ppm 1.00 inches									
Recovery Inf	ormation									
			Re	ecovery Table		T		7		
	Lengt ft	th		Description			Volume bbl			
				·····			·····]		
	Total Length:		ft	Total Volume:		bbl				
	Num Fluid Samp			Num Gas Bombs:			Serial #	:		
	Laboratory Nam Recovery Comn			Laboratory Locati	ion:					

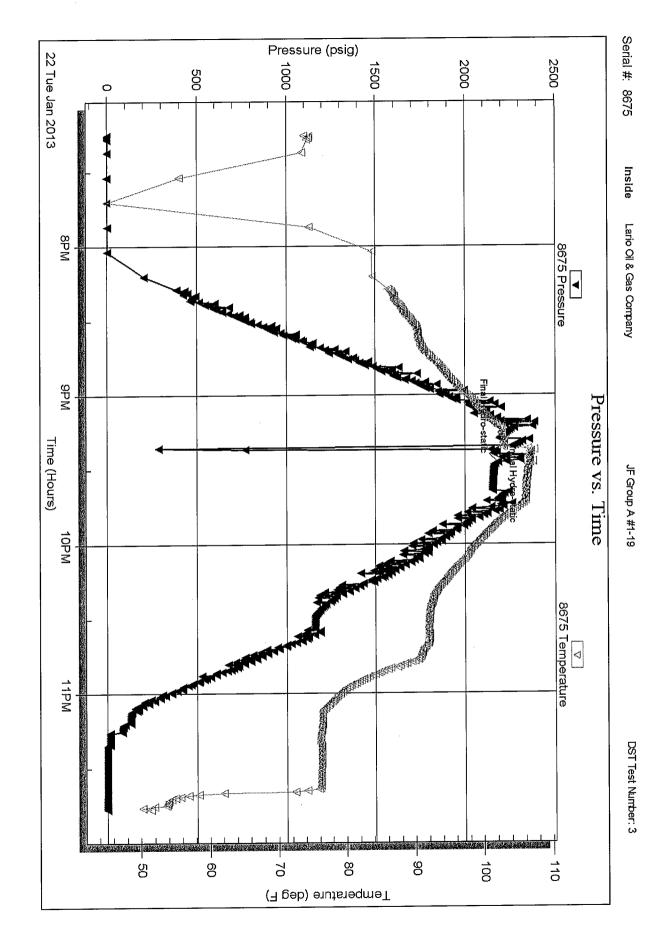












Formation: Marm aton Deviated: No Whipstock: ft (KB) The Fast Ended: 037:30 The Test Ended: 037:30 The Off Birr: 2013.01:23 @ 052:315 Test COMMENT: Built to 1" blow No Feturn blow No Feturn blow No Testurn testurn tes		DRILL STEM TES	TREP	ORT		
Wichta KS, 67202-3605 Job Ticket: 49847 DST#: 4 ATTN: Max Amstrong Test Start: 2013.01.23 @ 00.30:15 GENERAL INFORMATION: Formation: Marmaton Formation: Marmaton Test Start: 2013.01.23 @ 00.30:15 GENERAL INFORMATION: Formation: Marmaton Formation: Marmaton Test Start: 2013.01.23 @ 00.30:15 Time Tool Opened: 033730 Test Start: 3020 Test Start: 3020 Time Tool Opened: 033730 Fast Idde: 0728:00 Test Start: 3021.00 ft (KB) Frees@runDeph: 4489.00 ft (KB) (TVD) Start Date: 2013.01.23 Start Date: 2013.01.23 End Date: 2013.01.23 Start Time: 2013.01.23 End Date: 2013.01.23 OP:29:00 Time Or Bim: 2013.01.23 2013.01.23 Start Time: 2013.01.23 2013.01.23 2013.01.23 Start Date: 2013.01.23 2013.01.23 2013.01.23 Start Date: 2013.01.23 2013.01.23 2013.01.23 Time of Bim: 2013.01.23 2013.01.23 2013.01.23		Lario Oil & Gas Company		19-18s-3	5w Wichita Co	. KS
ATTN: Max Amstrong Test Start: 2013.01.23 @ 00.30:15 GENERAL INFORMATION: Formation: Marmaton Deviated: No Vhipstock: ft (KB) Time Tool Quent: 4498.00 ft (KB) To 4546.00 ft (KB) (TVD) Tester: Jack Monthelie (Reset) Toola Loph: 2.466.00 ft (KB) (TVD) S221.00 ft (KB) S221.00 ft (KB) Formation: 7.88 Incheshole Condition: Fair KB to GR/CF: 5.00 ft Serial #: 8675 Inside Pressignmulphic 2003.00.123 East Calbe:: 2013.01.23 @ 005.23.15 Start Time: 00.30.15 End Time: 2013.01.23 @ 005.23.15 Tester: 2013.01.23 @ 005.23.15 TEST COMMENT: Bait to "blow No return blow No blow No blow No blow No return blow No return blow Feasure to Time Tester to Time Tester (MA) Start District) Time on Bim: 2013.01.23 Bacabin: 2013.01.23 Bacabin: 2013.01.23 Bacabin: 2013.01.23 Bacabin: 2013.01.23 Bacabin: 2013.01.23 Bacabin:	ESTING , INC.				•	DST#· 4
Formation: Marm aton Deviated: No Whipstock: ft (KB) The Fast Ended: 037:30 The Test Ended: 037:30 The Off Birr: 2013.01:23 @ 052:315 Test COMMENT: Built to 1" blow No Feturn blow No Feturn blow No Testurn testurn tes		ATTN: Max Armstrong				
Deviate: No Whipstoc: ft (KB) Time Tool Opened: 03:37:30 Time Tool Science: 07:29:00 Interval: 4498.00 ft (KB) To 4566.00 ft (KB) (TVD) Total Depth: 4546.00 ft (KB) To 4566.00 ft (KB) (TVD) Total Depth: 7.88 Incleachelo Condition: Fair Serial #: 8675 Inside Press@BunDepth: 36.96 psig @ 4499.00 ft (KB) Start Dele: 2013.01.23 End Date: 2013.01.23 @ 02:21:45 Time Off Bitm: 2013.01.23 @ 05:23:15 TEST COMMENT: Built to "blow No return blow No return blow Serial #: 6000.00 psig 213.01.23 @ 05:23:15 TEST COMMENT: Built to "blow No return blow No return blow Serial #: 6000.00 psig 213.00 00 00 psig 213.01 23 (05:23:15 Time Off Bitm: 2013.01.23 @ 05:23:15 TEST COMMENT: Built to "blow No return blow No return blow No return blow No return blow Serial #: 6000.00 psig 213.02 01:03 02 (15) Time Off Bitm: 2013.01.23 @ 05:23:15 Time Off Bitm: 2013.01.23 @ 05:23:15 Time Off Bitm: 2013.01.23 @ 05:23:15 TEST COMMENT: Built to "blow No return blow No return blow No return blow No return blow Serial #: 6000.00 psig 213.08 107:91 (056:55 Shut-hr(2)) 10.20 100% Mud Cose (retwo) Presse (sH) Cose (retwo) Presse (sH) Co	GENERAL INFORMATION:			<u></u>		
Total Depth: 4546.00 ft (KB) (TVD) 3216.00 ft (CF) Hole Dameter: 7.88 inches/hole Condition: Fair KB to GROF: 5.00 ft Serial #: 8675 Inside 2013.01.23 End Date: 2013.01.23 <td></td> <td>ft (KB)</td> <td></td> <td>Tester:</td> <td>Jace McKinney</td> <td>ttom Hole (Reset)</td>		ft (KB)		Tester:	Jace McKinney	ttom Hole (Reset)
Press@RunDepth: 36.99 psig @ 449.00 ft (KB) Capachy: 8000.00 psig Start Date: 2013.01.23 End Date: 2013.01.23 Last Calib.: 2013.01.23 @ 02-21.45 Time Off Bim: 2013.01.23 @ 05-23.15 TEST COMMENT: Built o 1" blow No return blow No re	Total Depth: 4546.00 ft (KB) (T	/D)			:	3216.00 ft (CF)
No return blow No return blow Mo return blow No return blow Image: Strate via time of the strate via time of th	Press@RunDepth: 36.99 psig Start Date: 2013.01.23	End Date:		Last Calib.: Time On Btm:	201 2013.01.23 @ 0	3.01.23 2:21:45
Image: constraint of the second se	No return blow No blow					
200 1				PRESS		Y
Length (ft) Description Volume (bbl) 10.00 100% Mud 0.05		ничного иле и портоких (Ges y) и взики// и взики//	(Min.) 0 31 76 76 121 181	(psig) (deg 2330.00 106. 25.22 105. 31.00 106. 1033.66 108. 31.58 107. 36.99 109. 655.54 110.	F)21Initial Hydro-st49Shut-In(1)55Shut-In(2)48End Shut-In(1)91Open To Flow92Shut-In(3)96End Shut-In(2)	(1)
10.00 100% Mud 0.05	Recovery	······				
				Ch	₩e (inches) Pressure (p	sig) Gas Rate (Mcf/d)
Trilobite Testing, Inc Ref. No: 49947 Printed: 2013.01.23 @ 08:01:51	* Recovery from multiple tests				······································	

	RILOBITE	DRI	LL ST	EM TEST F	REPORT	•		FLUID	SUMMARY	
TESTING		Lario C	Lario Oil & Gas Company				19-18s-35w Wichita Co. KS			
	LESTING, IN	1 0010	301 S Market ST Wichita KS, 67202-3805			JF Group A #1-19				
						Job Ticket: 4		DST#:4	1	
		ATTN:	ATTN: Max Armstrong				Test Start: 2013.01.23 @ 00:30:15			
Mud and Cu	shion Information	י ו								
	el Chem			shion Type: shion Length:		ft	Oil API: Water Salini	ity.	deg API ppm	
Mud Weight: Viscosity:	9.00 lb/gal 56.00 sec/qt			shion Volume:		bbl	vvater Gamm	ity.	PPIII	
Water Loss:	7.99 in ³			s Cushion Type:						
Resistivity: Salinity:	ohm.m 7600.00 ppm		Gas	s Cushion Pressure	:	psig				
Filter Cake:	1.00 inches									
Recovery In	formation			<u></u>					• • • • •	
				covery Table			7			
	Lei	ngth ft		Description		Volume bbl				
		10.00	100% Mud			0.049	9			
	Total Length:	10	.00 ft	Total Volume:	0.049 bbl					
	Num Eluid Co	mples · O		Num Gas Bombs:	0	Serial #	:			
	Num Fluid Sa									
	Laboratory N	ame:		Laboratory Location	n:					
		ame:			n:					
	Laboratory N	ame:			n:					
	Laboratory N	ame:			n:					
	Laboratory N	ame:			n:					
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Ref. No: 49947

