

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1217104

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:	SecTwpS. R
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
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:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name: Original Total Depth: Original Total Depth:	feet depth to: w/ sx cmt. Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #: Dual Completion Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used:
☐ SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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:					



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Cures, whether shut-in prediction of the pre	essure reached stat	ic level, hydrosta	tic pressures, bot		
		otain Geophysical Data a or newer AND an image		ogs must be ema	illed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taker (Attach Additional S		Yes No			on (Top), Depth ar		Sample
Samples Sent to Geo	logical Survey	Yes No	Nam	ie		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD No	ew Used			
		Report all strings set-			ion, 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 / SQL	IEEZE RECORD			
Purpose:	Depth Top Pottors	Type of Cement	# Sacks Used	TELECTION IN	Type and P	ercent Additives	
Perforate Protect Casing Plug Back TD	Top Bottom						
Plug Off Zone							
	ulic fracturing treatment or			Yes		p questions 2 ar	nd 3)
		aulic fracturing treatment ex submitted to the chemical of	_	?	= ' '	p question 3) out Page Three	of the ACO-1)
Shots Per Foot		N RECORD - Bridge Plug ootage of Each Interval Perl			cture, Shot, Cement		d Depth
	.,,			,		,	
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENF	HR. Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	Oil B		Mcf Wat			Sas-Oil Ratio	Gravity
	ON OF GAS:	N Open Hole	METHOD OF COMPLI		mmingled	PRODUCTIO	DN INTERVAL:
Vented Sold	Used on Lease	Other (Specify)	Perf Dually (Submit)		mmingled mit ACO-4)		

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Krause 1-23
Doc ID	1217104

All Electric Logs Run

MAI/MFE	
MSS	
MPD/MDN	
MML	

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Krause 1-23
Doc ID	1217104

Tops

Name	Тор	Datum
Heebner	4023	-837
Lansing	4069	-8863
Stark Shale	4366	-1180
Hushpuckney	4424	-1238
Base KC	4497	-1311
Marmaton	4526	-1340
Pawnee	4619	-1433
Ft. Scott	4645	-1459
Johnson	4753	-1567
Morrow	4832	-1646
Basal Penn	4907	-1721
Mississippian	4927	-1741

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Krause 1-23
Doc ID	1217104

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
surface	12.25	8.625	28	371	Class A	3% cc, 2% gel



RENUT TO

Consolidated Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346 MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012

INVOICE # 270026

Invoice Date: 07/31/2014 Terms: 15/15/10,n/30 Page 1

LARIO OIL & GAS P.O. BOX 1093 GARDEN CITY KS 67846 (316)265-5611 KRAUSE 1-23 47652 23-18-35 07/25/2014 AFE 14-148 drilling /souther pipe 8-8-14 LK

Part Number	Description	Qty	Unit Price	Total
11048	CLASS "A" CEMENT (SALE)	240.00	18.5500	4452.00
1102	CALCIUM CHLORIDE (50#)	677.00	.9400	636.38
1118B	PREMIUM GEL / BENTONITE	451.00	.2700	121.77
Sublet Performed	Description			Total
9996-130	CEMENT MATERIAL DISCOUNT			-781.52
9995-130	CEMENT EQUIPMENT DISCOUNT			-359.93
Description		Hours	Unit Price	Total
	URFACE)	1.00	1150.00	1150.00
693 EQUIPMENT MILE	_ · ·	50.00	5.25	262.50
693 TON MILEAGE DE	-	1.00	987.00	987.00

H H

Amount Due 8034.28 if paid after 08/10/2014

Parts: 5210.15 Freight: .00 Tax: 360.94 AR 6829.14

Parts: 5210.15 Freight: .00 Tax: 360.94
Labor: .00 Misc: .00 Total: 6829.14
Sublt: -1141.45 Supplies: .00 Change: .00

RTLESVILLE, OK EL DORADO, KS EUREKA, KS PONCA CITY, OK OAKLEY, KS OTTAWA, KS THAYER, KS GILLETTE, WY CUSHING, OK 918/338-0808 316/322-7022 620/583-7664 580/762-2303 785/672-8822 785/242-4044 620/839-5269 307/686-4914 918/225-2650



270026

TICKET NUMBER 47652

LOCATION ORKLUMES.

FOREMAN DAMEN

	nanute, KS 667 or 800-467-867	5		CEMEN				<u>K.</u>
DATE	CUSTOMER#	WE	LL NAME & NU	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/25/14	4793	Kraus	se 1-2	3	23	18	35	Wichita
USTOMER	- 11 11			Modoc				
ACIO IAILING ADDRE	<u>0:14G</u>	<u>as</u>		WTO Rd 24	TRUCK#	DRIVER	TRUCK#	DRIVER
MENTO ADDIVE					73/	Cory		
ITY		ISTATE	ZIP CODE	 5+ω/ 城	693	Robert		
		OTATE						
B TYPE 51	urface	HOLE SIZE	12 1/4	 HOLE DEPTI	374	 _ CASING SIZE &	WEIGHT 8 5/2	1.247
ASING DEPTH	The sales .	DRILL PIPE	•	TUBING			OTHER	
URRY WEIGH		SLURRY VOL		WATER gal/s	sk	CEMENT LEFT I	n CASING 20) ′
SPLACEMENT		DISPLACEME		MIX PSI		RATE		
EMARKS: 5	^ .	etina	Riaus	on Sou	th wind	#70 Ru	n Casina	Break
irculation	onWith	Rie Pan	A HOOK	Kup To F	unoTru	ck most	240 5	K5 Com
16 CC29	6 Grel 4	195 h up	Pumos	LLINES 1	Displace	re 22.35	66Ca2	ter_
	Ria Dou							
			ment	Did	Circula	ite		
ACCOUNT CODE	QUANITY	or UNITS			SERVICES or PF	RODUCT	UNIT PRICE	TOTAL
54015	50		PUMP CHAR MILEAGE	(OE			1525	3 262.5
5404 5407 A	11.2	<i>-</i>		Weage D	al uscu		31.75	Ø 987.0
)40/ <i>H</i>		9	10/11/11	rage C	<u> </u>			797,
11043	240	5K5	Class'	A' Come	nt		18,55	4452.9
1102	677	Þ		m Chlo			\$.PY	\$ 636.38
11188	451	p.	Bento				27	3/21.77
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	·········							
					,			
-							SubTotal	7609.6
							Less 15%	31141.45
						,	Sub Total	10468 2
								W. 7 4 /
				<u></u>	<u> </u>		SALES TAX	360.94
in 3737							ESTIMATED	6829.14
	So La						TOTAL	002111
ITHORIZTION	11. 11	_		TITLE			DATE	

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



PO Box 93999 Southlake, TX 76092

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

Bill To:

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

INVOICE

Invoice Number: 144883 Invoice Date: Aug 6, 2014

Page: 1

Customer ID	Field Ticket#	Paymen	t Terms
Lario	64074	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Aug 6, 2014	9/5/14

Quantity	ltem		Description	Unit Price	Amount
1.00	WELL NAME (Krause #1-23	duilling		
280.00		60/40 4% Gel Blend	AFE 14-148	18.92	5,297.60
1	CEMENT MATERIALS	Flo Seal	8-18-14 LK	2.97	207.90
1	CEMENT SERVICE	Cubic Feet Charge		2.48	745.79
1	CEMENT SERVICE	Ton Mileage Charge		2.75	2,072.40
1	CEMENT SERVICE <	Plug to Abandon		2,483.59	2,483.59
	CEMENT SERVICE	Pump Truck Mileage		7.70	462.00
	CEMENT SERVICE	Light Vehicle Mileage		4.40	264.00
1	EQUIPMENT OPERATOR	Paul Beaver			
1.00	OPERATOR ASSISTANT	Adam Flipse			
			and the second s		
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			AUG 2 0 2014	- company as and	
				Markin rammer and the second s	
				THE PARTY OF THE P	
				ALLEA ALALA ALA	
		Subtotal			11,533.28

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 3,459.98

ONLY IF PAID ON OR BEFORE Sep 5, 2014

Subtotal	11,533.28
Sales Tax	939.96
Total Invoice Amount	12,473.24
Payment/Credit Applied	
TOTAL	12,473.24

ALLIED OIL & GAS SERVICES, LLC 064074 Federal Tax I.D. # 20-8651475

SOUTHLAKE, TEXAS 76092	SERVICE POINT:
DATES-6-14 SEC 3 TWP & RANGE	CALLED OUT ON LOCATION JOB START JOB FINISH
	11.50pm. 1:30pm 10100pm
LEASELY AUSE WELL # 1-23 LOCATION Scatt	City W to Rol Widn'to STATELS
	, winto
CONTRACTOR Southward 70	OWNER Same
HOLE SIZE 77/ T.D. 4600	CEMENT
CASING SIZE DEPTH	- AMOUNT ORDERED 280 SKS 60/40
TUBING SIZE DEPTH	41. 91 /4 = E/n-See1
DRILL PIPE 4/2 DEPTH 2440'	13-1-10-2581
TOOL DEPTH	
PRES. MAX MINIMUM	
MEAS. LINE SHOE JOINT CEMENT LEFT IN CSG.	POZMIX@
PERFS.	GEL @
DISPLACEMENT IS No. Shuchy 22.59 mud	CHLORIDE @
	ASC @
EQUIPMENT	60/4014 Tite 380282 @ 18.45 2534.P
PUMPTRUCK CEMENTER + 1 Request	Flo-scal 70 = @ 2.97 207,90
#423/28/ HELPER Adom Flipse BULK TRUCK	METERIAL TOTAL @ 5505.50
	(1651.45 / 30%) @ 3355,36
BULK TRUCK BULK TRUCK	
# DRIVER	@
	HANDLING 300, 72 CH @ 2.48 745, 79
DEAL DIO	MILEAGE 12.56 2005 x 6000 x 2:55 2072.40
REMARKS:	TOTAL
15th mix 50 sks @ 2440 Displace w/m	<u> </u>
3" plus mix 80 sks & 1320 Displace 11 12	SERVICE SERVICE
Lalve mix 50 sks @ 400 Nishoco wolar	
my 20 skg kg'	DEPTH OF JOB 2446
mrs 30 565 10 B.H.	PUMPTRUCK CHARGE 2483.59
	EXTRA FOOTAGE @ 7.70 VGZ 67
Thenk be	1
Paul + Crew	MANIFOLD @ 4.40 364.00
CHARGE TO: L-arid Oil & GaS	(/803,33/30%)
STREET	TOTAL 6027 6
	IOIAL GOODS 7 SO
CITYSTATEZIP	
	PLUG & FLOAT EQUIPMENT
Total All the second of the se	
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	
lone to satisfaction and supervision of owner agent or	TOTAL
contractor. I have read and understand the "GENERAL	CALECTAVALLA
ERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)
	TOTAL CHARGES
RINTED NAME <u>SA 14 CTA446</u>	DISCOUNT 3459.98 1302 IF PAID IN 30 DAYS
CONTROL 1	Ro28.30 NET
IGNATURE OF STATE	Gentle Gentle Committee Co



Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

Krause # 1-23

301 S Market St. Wichita KS, 67202

Job Ticket: 57708

DST#:1

ATTN: Steve Davis

Test Start: 2014.07.30 @ 16:34:00

GENERAL INFORMATION:

Formation:

LKC "D"

Deviated:

Whipstock: No

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No:

4155.00 ft (KB) To 4175.00 ft (KB) (TVD)

Interval: Total Depth:

4175.00 ft (KB) (TVD)

Reference Bevalions:

3186.00 ft (KB)

KB to GR/CF:

3175.00 ft (CF) 11.00 ft

Hole Diameter:

Press@RunDepth:

7.88 inches Hole Condition: Good

Serial #: 8674

Time Tool Opened: 18:41:55

Time Test Ended: 00:11:54

Inside

124.57 psig @

4156.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2014.07.30 16:34:00 End Date: End Time: 2014.07.31 00:11:54 Last Calib.: Time On Btm: 2014.07.31

Time Off Blm:

2014.07.30 @ 18:41:40 2014.07.30 @ 21:49:09

TEST COMMENT: IF- Weak Surface Blow Built to 7 3/4"

ISI- No Blow

FF- Weak Surface Blow Built to 6 1/2"

FSI- No Blow

Г	Pressure va. Time						
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PRESSURE SUMMARY Time Pressure Temp Annotation (Mn.) (psig) (deg F) 2041.06 107.92 Initial Hydro-static 18.77 107.08 Open To Flow (1) 1 32 60.73 114.50 Shut-In(1) 113.76 End Shut-In(1) 77 1115.60 113.30 Open To Flow (2) 78 61.81 124.57 117.70 Shut-In(2) 123 116.59 End Shut-h(2) 186 1114.67 188 1974.44 115.87 Final Hydro-static

Recovery

Description	Volume (bbl)
MCW 15%m 85%w with Oil Spots	1.74
MCW 24%m 76%w with a Skim of Oil	pr0.87
WCM 47%w 53%m with a Skim of Oil	08.00
100%oli	0.01
100%oli	0.01
	MCW 15%m 85%w with Oil Spots MCW 24%m 76%w with a Skim of Oil WCM 47%w 53%m with a Skim of Oil

Gas Rates

Choke (Inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc.

Ref. No: 57708

Printed: 2014.07.31 @ 07:48:49



FLUID SUMMARY

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St. Wichita KS. 67202 Krause # 1-23 Job Ticket: 57708

DST#:1

ATTN: Steve Davis

Test Start: 2014.07.30 @ 16:34:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

Water Salinity:

deg API

Mud Weight:

9.00 lb/gal

Cushion Length:

ft

26000 ppm

Viscosity: Water Loss: 46.00 sec/qt 8.77 in³

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

bbl

psig

Resistivity:

Salinity: Filter Cake: ohm.m

3400.00 ppm 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	MCW 15%m 85%w with Oil Spots	1.739
62.00	MCW 24%m 76%w with a Skim of Oil on To	0.870
57.00	WCM 47%w 53%m with a Skim of Oil on T	0.800
1.00	100%oil	0.014

Total Length:

244.00 ft

Total Volume:

3.423 bbl

0

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .267 @ 68f = 26000

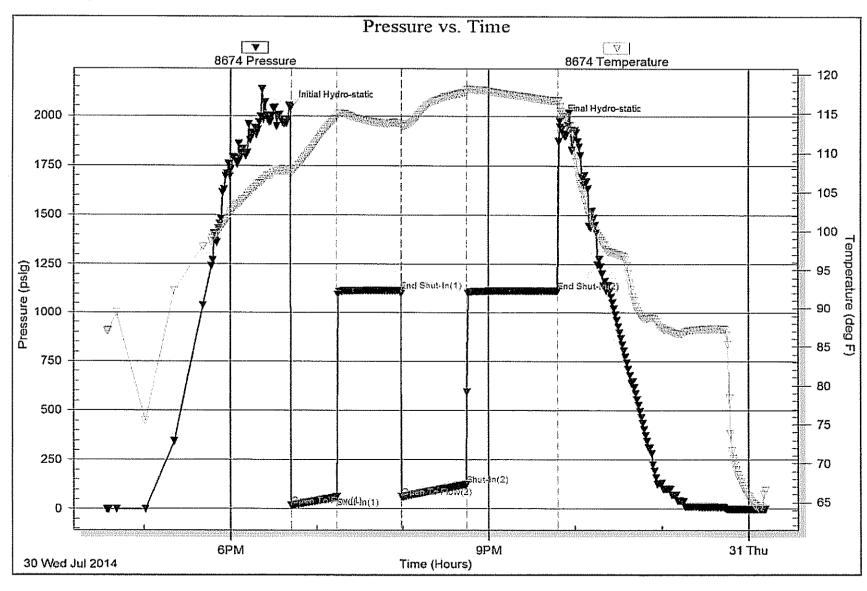
Ref. No: 57708

Printed: 2014.07.31 @ 07:48:49

Lario Oi & Gas Company

Krause#1-23

DST Test Number: 1





Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

Krause # 1-23

Job Ticket: 57709

DST#: 2

ATTN: Steve Davis

301 S Market St.

Wichita KS. 67202

Test Start: 2014.07.31 @ 13:56:00

GENERAL INFORMATION:

Formation:

LKC "H"

Deviated:

No Whipstock: ft (KB)

Tester:

Test Type: Conventional Bottom Hole (Reset)

Will MacLean

Unit No:

72

Reference Elevations:

3186.00 ft (KB) 3175.00 ft (CF)

KB to GR/CF:

11.00 ft

Interval:

4262.00 ft (KB) To 4287.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

Time Tool Opened: 15:43:55

Time Test Ended: 21:04:54

4287.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Serial #: 8674 Press@RunDepth:

inside

437.57 psig @

4263.00 ft (KB)

2014.07.31

Capacity:

8000.00 psig

Start Date: Start Time:

2014.07.31 13:56:00

End Date: End Time:

21:04:54

Last Calib.:

2014.07,31

Time On Btm: Time Off Blm: 2014.07.31 @ 15:43:40 2014.07.31 @ 18:52:39

TEST COMMENT: IF- Weak Surface Blow Built to BOB in 9 3/4min

ISI- No Blow

FF- Weak Surface Blow Built to BOB in 11 1/2min

FSI- No Blow

			#24.F		ressure vs. Tio	r	7	
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PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2136.36	107.34	Initial Hydro-static
1	22.65	105.95	Open To Flow (1)
31	200.50	120.49	Shut-In(1)
. 77	1151.59	118.71	End Shut-In(1)
, 77	204.00	118.28	Open To Flow (2)
122	437.57	120.90	Shut-In(2)
186	1148.47	119.73	End Shut-In(2)
189	2073.54	119.39	Final Hydro-static
		+	

Recovery

Length (fl)	Description	Volume (bbl)
558.00	MCW 9%m 91%w	7.83
248.00	MCW 33%m 67%w	3.48
124.00	WCM 39%w 61%m	1.74
Recovery from a	nuflipie lesis	······································

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 57709

Printed: 2014.08.01 @ 01:34:17



FLUID SUMMARY

deg API

24500 ppm

DST#: 2

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.

Krause # 1-23 Job Ticket: 57709

Serial #:

Wichita KS. 67202

Test Start: 2014.07.31 @ 13:56:00

Oil API:

Water Salinity:

ATTN: Steve Davis

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Viscosity: Water Loss:

Mud Weight:

Filter Cake:

55.00 sec/qt 9.59 in²

Resistivity: Salinity:

ohm.m 8000.00 ppm 1.00 inches Cushion Type:

Cushion Length: Cushion Volume:

ft bbl

Gas Cushion Type:

Gas Cushion Pressure:

psig

Recovery Information

Recovery Table

Length ft	Description .	Volume bbl
558.00	MCW 9%m 91%w	7.827
248.00	MCW 33%m 67%w	3.479
124.00	WCM 39%w 61%m	1.739

Total Length:

930.00 ft

Total Volume:

13.045 bbl

Num Fluid Samples: 0

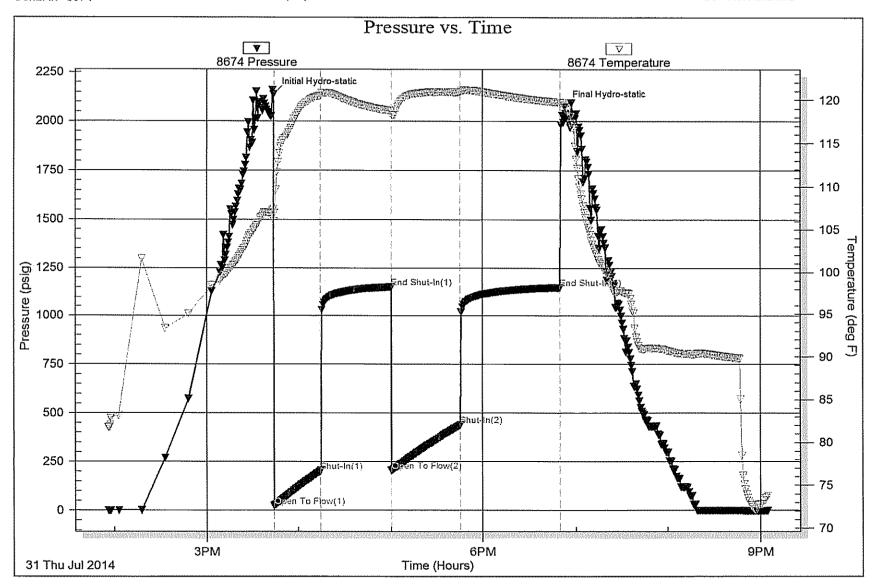
Num Gas Bombs: Laboratory Location:

Laboratory Name: Laboratory Loc

Recovery Comments: RW is .245 @ 78f = 24500

Trilobite Testing, Inc Ref. No: 57709 Printed: 2014.08.01 @ 01:34:17

Serial #: 8674 Inside Lario Oil & Gas Company Krause # 1-23 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 57709 Printed: 2014.08.01 @ 01:34:17



Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St. Wichita KS. 67202 Krause # 1-23

Job Ticket: 57710

DST#: 3

ATTN: Steve Davis

Test Start: 2014.08.01 @ 07:48:00

GENERAL INFORMATION:

Formation:

LKC "1"

Deviated:

No

Time Tool Opened: 09:48:40 Time Test Ended: 14:30:54

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Will MacLean

Unit No:

4302.00 ft (KB) To 4332.00 ft (KB) (TVD)

Interval: Total Depth: Hole Diameter:

4332.00 ft (KB) (TVD)

7.88 inchesHole Condition: Good

Reference Elevations:

3186.00 ft (KB)

3175.00 ft (CF)

KB to GR/CF:

11.00 ft

Serial #: 8674 Press@RunDepth: inside

44.12 psig @

4303.00 ft (KB)

Capacity:

8000,00 psig

Start Date: Start Time:

2014.08.01 07:48:00

End Date: End Time:

2014.08.01 14:30:54 Last Calib.: Time On Btm:

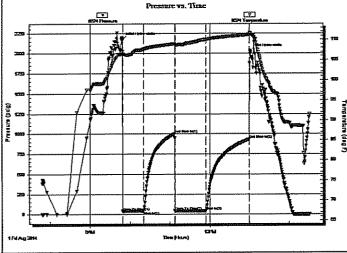
2014.08.01 2014.08.01 @ 09:48:25

Time Off Btm:

2014.08.01 @ 13:00:39

TEST COMMENT: F- Weak Surface Blow

ISI- No Blow FF-No Blow FSI- No Blow



	I NEGOVIC GOMMAN							
	Time	Pressure	Temp	Annotation				
2	(Min.)	(psig)	(deg F)					
s	0	2176.11	107.07	Initial Hydro-static				
•	1	39.00	106.23	Open To Flow (1)				
•	32	40.21	107.65	Shut-In(1)				
_	79	1001.48	108.99	End Shut-in(1)				
3	79	43,12	108.59	Open To Flow (2)				
ng n	126	44.12	110.04	Shut-In(2)				
Temperatura (deg F)	191	931.38	111.27	End Shut-in(2)				
3	193	2033.59	111.32	Final Hydro-static				
				-				
'								

PRESSURE SUMMARY

Recovery Length (ft) Description Voluma (bbl) 100%mud with a Few Oil Spots in Tool 0.84 60.00

Gas Rates Gas Rate (Mcf/d) Choke (inches) Pressure (psig)

Recovery from multiple tests Trilobite Testing, Inc.

Ref. No: 57710

Printed: 2014.08.01 @ 20:20:19



FLUID SUMMARY

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St. Wichita KS. 67202 Krause # 1-23

Job Ticket: 57710

ATTN: Steve Davis

Test Start: 2014.08.01 @ 07:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

ppm

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: ft

Water Salinity:

DST#: 3

Viscosity: Water Loss: 70.00 sec/qt 10.38 in³

Gas Cushion Type:

bbl

Resistivity:

Salinity:

ohm.m 9500.00 ppm

Gas Cushion Pressure:

psig

1.00 inches Filter Cake: **Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
60.00	100%mud with a Few Oil Spots in Tool	0.842

Total Length:

60.00 ft

Total Volume:

0.842 bbl

Num Fluid Samples: 0

Ref. No: 57710

Num Gas Bombs:

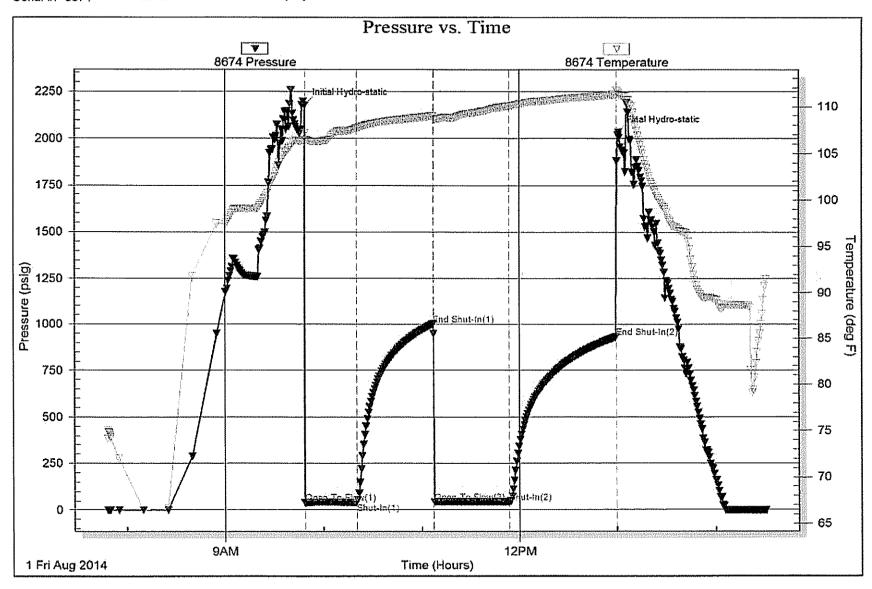
Serial #:

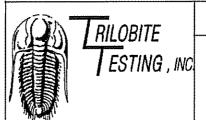
Laboratory Name:

Laboratory Location:

Recovery Comments:

Printed: 2014.08.01 @ 20:20:20





Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.

Wichita KS. 67202 Job Ticket: 57711

ATTN: Steve Davis Test Start: 2014.08.02 @ 18:52:00

GENERAL INFORMATION:

Formation: Marmanton "A-B"

Deviated: No Whipstock:

ft (KB)

Time Tool Opened: 20:37:40 Time Test Ended: 01:45:54

4518.00 ft (KB) To 4580.00 ft (KB) (TVD) Interval:

4580.00 ft (KB) (TVD) Total Depth:

7.88 inches Hole Condition: Good Hole Diameter:

Test Type: Conventional Bottom Hole (Reset) Tester: Will MacLean

Unit No:

Krause # 1-23

Reference Bevations:

3186.00 ft (KB) 3175.00 ft (CF)

KB to GR/CF:

11.00 ft

DST#:4

Serial #: 8674 Press@RunDepth:

Inside

146.89 psig @

4519.00 ft (KB)

2014.08.03

Capacity:

8000.00 psig

Start Date:

2014.08.02

End Date:

Last Calib.:

2014.08.03

Start Time:

18:52:00

End Time:

01:45:54

Time On Blm:

2014.08.02 @ 20:37:25

Time Off Btm:

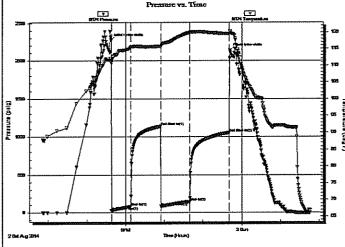
2014.08.02 @ 23:41:39

TEST COMMENT: IF- Weak Surface Blow Built to 5 3/4"

ISI- No Blow

FF- Weak Surface Blow Built to 1 3/4"

FSI- No Blow



	PRESSURE SUMMARY					
1	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	2276.60	112.01	Initial Hydro-static		
	1	25.57	110.57	Open To Flow (1)		
	31	82.13	115.26	Shut-ln(1)		
_	77	1135.58	115.75	End Shut-In(1)		
Tamparatum (dag F)	78	85,86	115.43	Open To Flow (2)		
	122	146.89	119.85	Shut-ln(2)		
6	183	1053.70	119.44	End Shut-In(2)		
3	185	2137.52	120.23	Final Hydro-static		

DDECCLIDE CLIMAMADV

Recovery

Length (fi)	Description	Volume (bbi)
124.00	GWCM 3%g 42%w 55%m	1.74
62.00	GWCM 3%g 28%w 69%m	0.87
94.00	WCM 17%w 83%mwith a Skim of	Oil pr1.32

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 57711

Printed: 2014.08.03 @ 04:04:36



FLUID SUMMARY

deg API

27000 ppm

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St. Wichita KS. 67202 Krause # 1-23

Job Ticket: 57711

Serial #:

DST#: 4

ATTN: Steve Davis

Test Start: 2014.08.02 @ 18:52:00

Oil API;

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

Viscosity:

9.00 lb/gal

60.00 sec/qt

Water Loss: 10.36 in³ Resistivity: ohmm

Salinity: 9500.00 ppm 2.00 inches Filter Cake:

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

psig

ft

bbl

Recovery Information

Recovery Table

Length ft	Description	Volume bb!
124,00	GWCM 3%g 42%w 55%m	1.739
62.00	GWCM 3%g 28%w 69%m	0.870
94.00	WCM 17%w 83%mwith a Skim of Oil on To	1.319

Total Length:

280.00 ft

Total Volume:

3.928 bbl

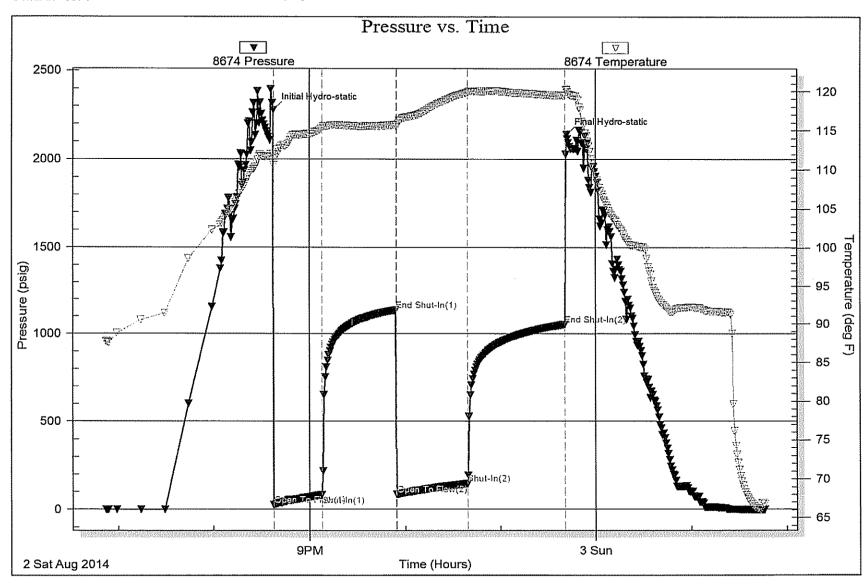
Num Fluid Samples: 0

Num Gas Bombs:

Laboratory Name: Laboratory Location:

Recovery Comments: RW is .233 @ 73f = 27000

Ref. No: 57711 Printed: 2014.08.03 @ 04:04:38 Trilobite Testing, Inc.





Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

Krause # 1-23

Job Ticket: 57712

DST#: 5

Test Start: 2014.08.03 @ 12:30:00

ATTN: Steve Davis

Wichita KS, 67202

301 S Market St.

GENERAL INFORMATION:

Deviated: Time Tool Opened: 14:13:25

Time Test Ended: 19:38:09

No

Pawnee

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Will MacLean

Tester:

Unit No:

4604.00 ft (KB) To 4628.00 ft (KB) (TVD)

Interval: Total Depth: Hole Diameter:

Formation:

4628.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Reference Bevations:

3186.00 ft (KB)

3175.00 ft (CF)

KB to GR/CF:

11.00 ft

Serial #: 8674 Press@RunDepth: Inside

140.02 psig @

12:30:00

4605.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2014.08.03

End Date: End Time: 2014.08.03 19:38:09

Last Calib.: Time On Blm: 2014.08.03

Time Off Btm:

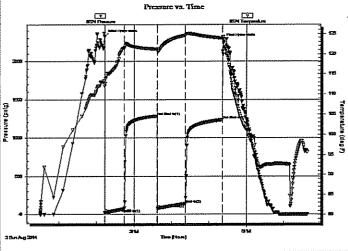
2014.08.03 @ 14:13:10 2014.08.03 @ 17:23:09

TEST COMMENT: IF- Weak Surface Blow Built to 4 1/4"

ISI- No Blow

FF- Weak Surface Blow Built to 1"

FSI- No Blow



	PRESSURE SUMMARY					
Ī	Time	Pressure	Temp	Annotation		
	(Mn.)	(psig)	(deg F)			
	0	2321.78	113.44	Initial Hydro-static		
	1	20.30	112.00	Open To Flow (1)		
	32	71.44	121.59	Shut-In(1)		
-\$	84	1283.19	121.22	End Shut-In(1)		
7	84	76.79	120.63	Open To Flow (2)		
8 128	129	140.02	124.63	Shut-In(2)		
(i čep) surstadus.	189	1233.76	123.89	End Shut-In(2)		
3	190	2268.64	124.12	Final Hydro-static		

Recovery

Length (fl)	Description	Volume (bbi)
124.00	OGMCW 4%oil 8%g 14%m 74%w	1.74
62.00	GOMCW 5%g 6%oil 26%m 63%w	0.87
62,00	OWGCM 3%oil 4%w 8%g 85%m	0.87
20.00	WOCM 5%w 7%oil 88%m	0.28
5.00	100%oil	0.07

Gas Rates

Choke (inches) Pressure (pslg) Gas Rate (Mcf/d)

Trilobite Testing, Inc.

Ref. No: 57712

Printed: 2014.08.03 @ 23:12:46



FLUID SUMMARY

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St. Wichita KS. 67202 Krause # 1-23

Serial #:

Job Ticket: 57712

DST#: 5

ATTN: Steve Davis

Test Start: 2014.08.03 @ 12:30:00

Mud and Cushion Information

Mud Weight:

Mud Type: Gel Chem

9.00 lb/gal

76.00 sec/qt

Viscosity: Water Loss: Resistivity:

11.17 in³ ohmm

Salinity: Filter Cake: 9000.00 ppm 2.00 inches Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type: Gas Cushion Pressure: bbl psig

ft

Oil API:

Water Salinity:

28 deg API 34500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	OGMCW 4%oil 8%g 14%m 74%w	1.739
62.00	GOMCW 5%g 6%oil 26%m 63%w	0.870
62.00	OWGCM 3%oil 4%w 8%g 85%m	0.870
20.00	WOCM 5%w 7%oil 88%m	0.281
5.00	100%oil	0.070

Total Length:

273.00 ft

Total Volume:

3.830 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Laboratory Location:

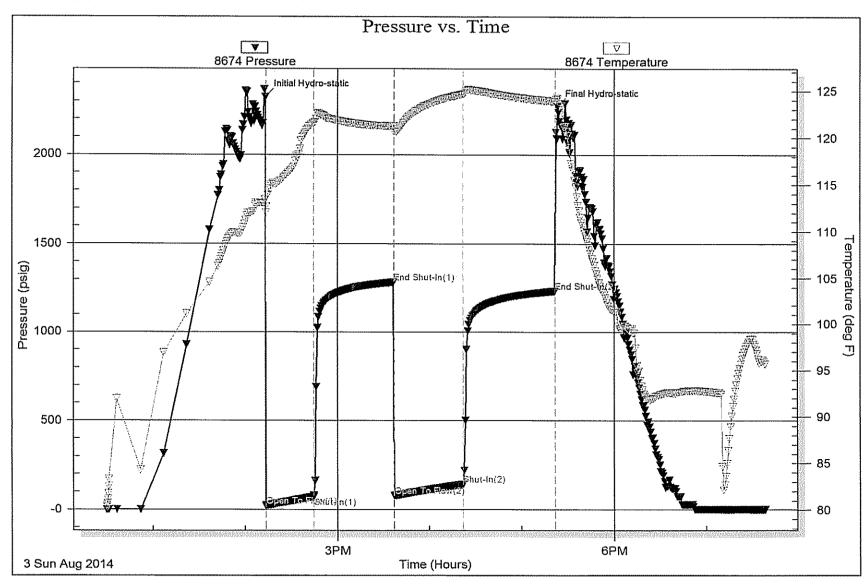
Laboratory Name: Recovery Comments: RW is .134 @ 100f = 34500

API is 31 @ 90f = 28

Trilobite Testing, Inc.

Ref. No: 57712

Printed: 2014.08.03 @ 23:12:47



Trilobite Testing, Inc Ref. No: 57712 Printed: 2014.08.03 @ 23:12:47



Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St.

Krause # 1-23

Wichita KS. 67202

Job Ticket: 57713

DST#:6

ATTN: Steve Davis

Test Start: 2014.08.04 @ 10:48:00

GENERAL INFORMATION:

Time Test Ended: 17:35:24

Formation:

Cherokee

Deviated:

No

Whipstock: Time Tool Opened: 12:37:10

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Will MacLean

Unit No:

Interval:

4658.00 ft (KB) To 4716.00 ft (KB) (TVD)

Reference Bevations:

3186.00 ft (KB)

Total Depth:

4716.00 ft (KB) (TVD)

3175.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

11.00 ft

Serial #: 8674

Press@RunDepth:

Inside

21.35 psig @

4659.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2014.08.04 10:48:00 End Date: End Time: 2014.08.04 17:35:24

Last Calib.:

2014.08.04

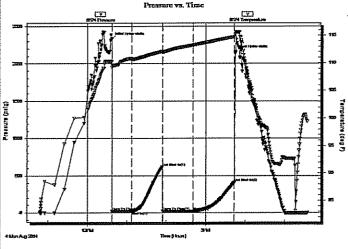
Time On Btm: Time Off Blm: 2014.08.04 @ 12:36:55 2014.08.04 @ 15:45:39

TEST COMMENT: IF- Weak Surface Blow

ISI- No Blow

FF- Very Weak Surface Blow in 15min

FSI- No Blow



PRESSURE SUMMARY					
	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	2327.53	110.27	Initial Hydro-static	
	1	19.48	109.18	Open To Flow (1)	
	31	21.43	110.72	Shut-In(1)	
4	77	616.26	112.08	End Shut-In(1)	
i	78	21.57	111.85	Open To Flow (2)	
	124	21.35	113.23	Shut-In(2)	
•	187	410.52	114.73	End Shut-In(2)	
3	18 9	2156.70	115.23	Final Hydro-static	

				And the second s	
1					
1					

Recovery Length (ft) Description Volume (bbi) 10.00 WCM 2%w 98%m 0.14

	Choke (inches)	Pressure (psig)	Gas Rate (Mct/d)
•			

Gas Rates

Recovery from multiple tests Trilobite Testing, Inc.

Ref. No: 57713

Printed: 2014.08.04 @ 23:01:21



FLUID SUMMARY

Lario Oil & Gas Company

23-18s-35w Wichita Co. KS

301 S Market St. Wichita KS, 67202 Krause # 1-23 Job Ticket: 57713

DST#: 6

ATTN: Steve Davis

Test Start: 2014.08.04 @ 10:48:00

Mud and Cushion Information

Mud Weight:

Mud Type: Gel Chem

9.00 lb/gal

ohmm

Viscosity: 55.00 sec/qt Water Loss: 10.37 in³

Resistivity:

Salinity: 8800.00 ppm Filter Cake: 1.00 inches Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API ppm

psig

ft

ldd

Recovery Information

Recovery Table

Length ft Description Volume ldd 10.00 WCM 2%w 98%m 0.140

Total Length:

10.00 ft

Total Volume:

0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc.

Ref. No: 57713

Printed: 2014.08.04 @ 23:01:22

