Confidentiality Requested:

Yes No

## Kansas Corporation Commission Oil & Gas Conservation Division

1237125

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 🗌 East 🗌 West
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: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
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:  Operator: Well Name: Original Comp. Date: Original Total Depth:	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 If Alternate II completion, cement circulated from: sx cmt.
□ Deepening       □ Re-perf.       □ Conv. to ENHR       □ Conv. to SWD         □ Plug Back       □ Conv. to GSW       □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Dual Completion Permit #:	
SWD         Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec.         TwpS. 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	now important tops of fo ving and shut-in pressu o surface test, along w	ires, whether shut-in p	essure reached stat	ic level, hydrosta	tic pressures, bo		
	g, Final Logs run to ob ed in LAS version 2.0 o			ogs must be ema	illed to kcc-well-lo	ogs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taker (Attach Additional		Yes No			on (Top), Depth a		Sample
Samples Sent to Geo	logical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run							
List All E. Logs Run:							
			G RECORD Notes Note Notes Note	ew Used	ion etc		
Durance of String	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
		ADDITIONA	L CEMENTING / SQI	JEEZE RECORD		·	
Purpose:	Depth Top Bottom	Type of Cement # Sacks U		Type and Percent Additives			
Perforate Protect Casing							
Plug Back TD Plug Off Zone							
	ulic fracturing treatment or			Yes		kip questions 2 ar	nd 3)
	total base fluid of the hydra ring treatment information	<del>-</del>	_	? Yes [		kip question 3) I out Page Three	of the ACO-1)
Trae are riyaraane mastar							
Shots Per Foot		N RECORD - Bridge Plu potage of Each Interval Pe			cture, Shot, Cemen mount and Kind of M		Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No	)	
Date of First, Resumed	Production, SWD or ENH	IR. Producing Me	thod:				
3, 11332/1164	, <u>, , , , , , , , , , , , , , , , , , </u>	Flowing	Pumping	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wat	er B	bls.	Gas-Oil Ratio	Gravity
DISDOSITI	ON OF GAS:		METHOD OF COMPL	ETION:		PRODUCTIO	ON INTERVAL:
Vented Solo		Open Hole	Perf. Duall	y Comp. Cor	mmingled	110000110	ZI TINI ETIVAE.
	bmit ACO-18.)	Other (Specify)	(Submit	ACO-5) (Sub	mit ACO-4)		

Form	ACO1 - Well Completion		
Operator	Lario Oil & Gas Company		
Well Name	Edsall 1-21		
Doc ID	1237125		

# All Electric Logs Run

MAI/MFE	
MSS	
MML	
MPD/MDN	

Form	ACO1 - Well Completion		
Operator	Lario Oil & Gas Company		
Well Name	Edsall 1-21		
Doc ID	1237125		

# Tops

Name	Тор	Datum
Heebner	3940	-793
Lansing	3991	-844
Stark Shale	4295	-1148
Hushpuckney	4348	-1201
Base KC	4433	-+1286
Marmaton	4470	-1323
Pawnee	4564	-1417
Ft. Scott	4585	-1438
Johnson	4696	-1549
Morrow	4794	-1647
Basal Penn	4894	-1747
Mississippian	4906	-1759

Form	ACO1 - Well Completion		
Operator	Lario Oil & Gas Company		
Well Name	Edsall 1-21		
Doc ID	1237125		

# 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	23	377	Common	3% cc, 2% gel



PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282

Fax:

(817) 246-3361

#### Bill To:

Lario Oil & Gas Co. Lario Oil & Gas Co. P.O. Box 1093

Garden City, KS 67846

# INVOICE

Invoice Number: 147785

Invoice Date: Dec 17, 2014

Page:

1

Federal Tax I.D.#: 20-8651475

Customer ID	Field Ticket#	Paymen	t Terms	
Lario	64627	Net 30 Days		
Job Location	Camp Location	Service Date	Due Date	
KS1-01	Oakley	Dec 17, 2014	1/16/15	

Quantity	Item		Description	Unit Price	Amount
225.00 635.00 237.56 544.50 1.00 50.00 1.00 50.00	Item  WELL NAME CEMENT MATERIALS CEMENT SERVICE	Edsall #1-21 Class A Common Chloride Cubic Feet Charge Ton Mileage Charge Surface Pump Truck Mileage Manifold Head Rental Light Vehicle Mileage	Description	17.90 1.10 2.48 2.75 1,512.25 7.70 275.00 4.40 110.00	4,027.50 698.50 589.15 1,497.38
50.00 1.00 1.00 1.00	J i		pe A	4.40	220.00
			He V		0.314.78

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

2,761.43

ONLY IF PAID ON OR BEFORE Jan 16, 2015



Subtotal	9,314.78
Sales Tax	394.13
Total Invoice Amount	9,708.91
Payment/Credit Applied	
TOTAL	9,708.91

# Dec. 22. 2014 1:47PM ALLIED OIL & GAS SERVICES, LLC 064627

Federal Tax I.D. # 20-8651475

REMIT TO	P.O. BOX 93999
	SOUTHLAKE, TEXAS 76092

SIGNATURE Rich Wheele

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092			SERV	ICE POINT:	ey ks
DATE /2-17-14 SEC. 21 TWP. 19 RANGE	25 CA	ALLED OUT	ON LOCATION	IDB START	
			6.30 pm		
LEASE Edsall WELL# 1-21 LOCATIO	NO CO EXC	7hy 15W	CRd 22)	COUNTY	STATE
OLD OR (NEW) (Circle one)	25, w	Lounto			
CONTRACTOR DUKE 4		OWNER 50	une_	•	
TYPE OF JOB Surface					
HOLE SIZE 12 YY T.D. 32		CEMENT			
CASING SIZE 878 DEPTH 32	9,11	AMOUNT OR	DERED <u> </u>	Sto Com	1320CC
TUBING SIZE DEPTH DRILL PIPE DEPTH	<del></del>				·····
TOOL DEPTH PRES. MAX MINIMUM	~	COLLIANI	7750 m	- 170-	110000
MEAS. LINE SHOE JOINT		COMMON	225560		402600
CEMENT LEFT IN CSG. 151		POZMIX	··· <u> </u>	-@	
PERFS.	· -	GEL	635#	· @ —	7767
DISPLACEMENT 22.98 661		CHLORIDE _	637"	@ 1-10	698,50
		ASC		-@	
EQUIPMENT		M-Us		_@	1
/ D c	. 1 /	Mczeci	so cofec	<u></u>	4,796.60
PUMPTRUCK CEMENTER La Lone &	comme	14117 3	~\3~N\		
# 43/ HELPER Wayne M	eGlighy	(1311.0	ചാവമി	@	<del></del>
BULK TRUCK		~	······································	.@	
#891/300 DRIVER Wayne Ma	55 alle	<del></del>		_@ _@	
BULKTRUCK		*****			
# DRIVER		HANDI INC. 1	137.56 843	·@	38916
	***		8710450		1492.38
REMARKS:		MILEAGEZ	<u> </u>		1272700
,				TOTAL	
MIX 225 SES Count	<del></del>	•	•		
Displace with water			SERVIC	CE .	
Counant did circulate			72-16-11	7	<del>·</del>
(OSEstopit		DEPTH OF JO	B 374,11	· · · · · · · · · · · · · · · · · · ·	<u> </u>
		PUMPTRUCK			151225
		EXTRA FOOT	AGE	. @	
		MILEAGE	4 6 7	@ 7.20	385.00
Thork	yeodi	MANIFOLD _	Head	.@	27500
,	•	me	<u> </u>	@ 4/40	220.00
1 0-110				.@	
CHARGE TO: Larie OI/4 Gas Co		/ -	· \ .		,
Carlotte to the carlotte of th		(1343	43/30%	TOTAL	4,478.70
STREET	<del> </del>				•
CITYSTATEZI	P	_			
			PLUG & FLOAT	EQUIPMEN	Т
		4 boolenp	leg	.@	110.00
				. @	
To: Allied Oil & Gas Services, LLC.	•			.@	
You are hereby requested to rent cementing ed	quipment			. @	Notice that the state of the st
and furnish cementer and helper(s) to assist ov	• •			.@	~
contractor to do work as is listed. The above		0) ==	00		· —
done to satisfaction and supervision of owner		K1.	L) - L	TOTAL	110.00
contractor. I have read and understand the "G			7		_
TERMS AND CONDITIONS" listed on the re		SALES TAX (	f-Any)		
TERMAN WIND COLDITIONS HORSE OF THE 16	reise siue.	777774 7 27774	GES 9.34.	79	
F7 / 111 -	In D	TOTAL CHAR			
PRINTED NAME LAL WHER	14/5	DISCOUNT &	<u>),76143(3</u>	그을 JIF PAII	IN 30 DAYS
SIGNATURE Port Wheele			6,553.5		
SIGNATURE TO SAL Whelle	•••			,	



PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282

Fax:

# Bill To:

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

(817) 246-3361

INVOICE

Invoice Number: 148091

Invoice Date: Jan 6, 2015

1

Page:

Federal Tax I.D.#: 20-8651475

Frilling age 14.272

Customer ID	Field Ticket#	Paymen	t Terms
Lario	67271	Net 30	
Job Location KS1-03	Camp Location Great Bend	Service Date	Due Date
NOT	Great Bend	Jan 6, 2015	2/5/15

Quantity	l Item				J/ 10
	WELL NAME	Edsall #1-21	Description	Unit Price	Amount
280.00		60/40/4% Gel Blend			
70.00	CEMENT MATERIALS	Flo Seal		18.92	
	CEMENT SERVICE	Cubic Feet Charge		2.97	207.90
	CEMENT SERVICE	Ton Mileage Charge		2.48	745.79
	CEMENT SERVICE	Rotary Plug		2.75	1,554.30
	CEMENT SERVICE	Pump Truck Mileage		2,483.59	2,483.59
	CEMENT SERVICE	Light Vehicle Mileage		7.70	346.50
	CEMENT SUPERVISOR	Joshua Isaac		4.40	198.00
	OPERATOR ASSISTANT	Brian Lang			
	OPERATOR ASSISTANT	Toriano Allen			
		Lougilo Vileti			
					Ì
				disease	
4/1 501055		Cubtotal			

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

ONLY IF PAID ON OR BEFORE Feb 5, 2015

Subtotal	
	10,833.68
Sales Tax	882.94
Total Invoice Amount	11,716.62
Payment/Credit Applied	11,710.02

# ALLIED OIL & GAS SERVICES, LLC Federal Tax I.D. #20-5975804

REMIT TO P.O. I SOUT		9 TEXAS 76	092			SERVICE P		Berel
DATE 1-6-15	SEC.	TWP.	RANGE 35	CALLED OUT	ON LOCA		TART	JOB FINISH
LEASE FASAI	WELL #	1-21	100,000	11-11 (		COUN	<u>υ , χυ</u> τγ	STATEC
OLD OR NEW (Ci		1-6/	LOCATION 370	Haity Was	TOL W.B	Liga Coun	hire	10/1/25
	icic biic)		10 11 NL 70	2201-64	5-41-4			
CONTRACTOR	DUK	24		O1141.7mm				
TYPE OF JOB &		0100		OWNER	<del></del>			
HOLE SIZE	1/2/	Ť.D.		CEMENT				
CASING SIZE	ν	DEF	ТН	_ AMOUNT C	DDEDED	Z80		1.10.
TUBING SIZE	77:	DEP	TH		WI FTO		<u>) y</u>	60/40
	412	DEP	TH 25 20	<u> </u>	<del>- 99 7 70</del>			
TOOL		DEP	TH			· · · · · · · · · · · · · · · · · · ·		
PRES. MAX		MIN	IMUM	COMMON		@		
MEAS, LINE			E JOINT	POZMIX _				***************************************
CEMENT LEFT IN PERFS.	CSG. A	<del>I</del> I!		_ GEL _				
DISPLACEMENT				_ CHLORIDE		@		
P.O. PACEMENT				_ ASC		e		
	EQU	IPMENT		<u> </u>	60/40+	<u> 78</u> 0 @ 18	, 52	5.297.65
	·	1		<u> </u>	76	<u> </u>	77	207.90
	EMENTE		1500	······································				
# 398 H	ELPER 1	Brica	<u> </u>	····	******			***************************************
BULK TRUCK		<i>/</i>	Ast. ii	·		@		
# ( / t - 175 E BULK TRUCK	RIVER	0/10/10	o Allen	<del></del>	······································			
	RIVER			***************************************	· · · · · · · · · · · · · · · · · · ·	e		
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		IARKS:	,			DISCOUNT	<u>30</u> %	<u> 1.డ్ని. డర్</u>
On for ations	fix up	1 . 1 /	50- flag process	S	S	ERVICE		
Pro 47 di	<u> برم اا</u>	<u>- F. 11 ,</u>	116 1					79
<u> </u>		4.1		HANDLING_				745. 79
<u> 12- 1260 - 8</u>		<u> 44.</u>	-30	MILEAGE_/3			<u>/S</u>	1.554.30
43-630-50				DEPTH OF JO		<u> </u>		
打5-10-76				PUMP TRUCK	CHARGE	<u> 2483</u>	<u>.27</u>	
Dive down		- Os	E dour	<ul> <li>EXTRA FOOT.</li> </ul>	AGE	@		
- programme			<i>5</i> 00	HV MILEAGE	45	<u> </u>	۵	346. 50
				LV MILEAGE	45	@ 4.1		198.00
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CHARGE TO:	4717	<u> </u>	<i></i>	•		@		-
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CITU	to the Teacher Teacher		****	•		TATEMOATAN	7	J. 5-78. YS
CITY	SIA	1E	ZIP	•		DISCOUNT	<u> </u>	1.570.
				1	PLUG & FL	OAT EQUIP	MENT	
						Ø		
To: Allied Oil & G								
You are hereby req	uested to	rent ceme	nting equipment	*				
and furnish cement	er and hel	iper(s) to a	essist owner or					
contractor to do wo	rk as is li	sted. The	above work was	<del></del>	· · · · · · · · · · · · · · · · · · ·			
done to satisfaction			•			······································	TAL	
contractor. I have r								
TERMS AND CON	IDITION	S" listed o	n the reverse side.			DISCOUNT	<u>D</u> %	
~	<b></b>			SALES TAX	(If Any)			-
PRINTED NAME &	Sech	1.1La.	olo z	TOTAL CHA		877 °	র_	-
PRINTED NAME X		<u>~~···</u>		ntocother	~ ~ ·	S /O.		Wh. C. D. D
$\supset$	$\mathcal{O}$	. 0	P	DISCOUNT_	3-2		PAID	IN 30 DAYS
SIGNATURE 1	il h	Keel		NET TOTAL_	7.58	<u> 5. ೭</u> ೭ 1	F PAID	IN 30 DAYS



Lario Oil & Gas Co.

S21-19s-35w Wichita / KS

301 S. Market St. Wichita, KS 67202-3805 Edsall #1-21 Job Ticket: 58490

DST#:1

ATTN: Steve Davis

Test Start: 2014.12.31 @ 18:26:00

#### GENERAL INFORMATION:

Time Tool Opened: 21:13:50

Time Test Ended: 02:26:00

Formation:

Lansing 'l'

Deviated:

Interval:

Total Depth:

Whipstock: No

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Chuck Smith

Unit No:

Reference Elevations:

3147.00 ft (KB)

3138.00 ft (CF)

KB to GR/CF:

9.00 ft

Hole Diameter: Serial #: 8357

Inside

Press@RunDepth: 204.70 psig @

4229.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2014.12.31

18:26:02

4250.00 ft (KB) (TVD)

4227.00 ft (KB) To 4250.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

End Date: End Time:

2015.01.01 02:26:00

Last Calib.: Time On Btm:

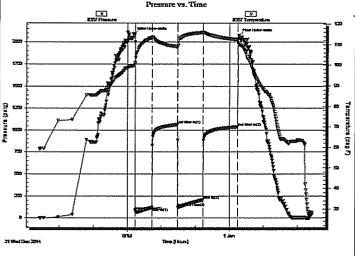
2015.01.01 2014.12.31 @ 21:10:40

Time Off Btm;

2015.01.01 @ 00:17:00

TEST COMMENT: 30- Tool slid 15' while open, bled off initial blow, B.O.B. @ 23 min.

45- No return. 45- B.O.B. @ 25 min. 60- No return.



1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2090.80	99.78	Initial Hydro-static
1	4	83.40	101.18	Open To Flow (1)
-	33	118.90	113.43	Shut-In(1)
١	78	1063.49	109.06	End Shut-In(1)
	79	121.47	108.96	Open To Flow (2)
	123	204.70	115.92	Shut-In(2)
ì	185	1036.72	112.42	End Shut-In(2)
1	187	2072.09	109.86	Final Hydro-static
1				
1				
1				

PRESSURE SUMMARY

## Recovery

Length (fl)	Description	Valume (bbl)
0.00	RW: .240 @ 36 Degrees F = 63000 PP	V 0.00
154.00	OSWM 30w 70m	2.16
248.00	MW 25m 75w	3.48

Gas	Rates
-----	-------

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

Trilobite Testing, Inc.

Ref. No: 58490

Printed: 2015.01.01 @ 09:59:12



Lario Oil & Gas Co.

S21-19s-35w Wichita / KS

301 S. Market St. Wichita, KS 67202-3805 Edsall #1-21 Job Ticket: 58490

DST#:1

ATTN: Steve Davis

Test Start: 2014.12.31 @ 18:26:00

#### **GENERAL INFORMATION:**

Time Tool Opened: 21:13:50

Time Test Ended: 02:26:00

Formation:

Lansing 'I'

Deviated:

Interval:

Total Depth:

Hole Diameter:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Chuck Smith

Unit No: 61

Reference Elevations:

3147.00 ft (KB)

3138.00 ft (CF)

7.88 inches Hole Condition: Good

4227.00 ft (KB) To 4250.00 ft (KB) (TVD)

KB to GR/CF:

9.00 ft

Serial #: 6751 Press@RunDepth: Outside

psig @

4229.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2014.12.31

4250.00 ft (KB) (TVD)

End Date:

2015.01.01

Last Calib.: Time On Btm: 2015.01.01

Start Time:

18:26:02

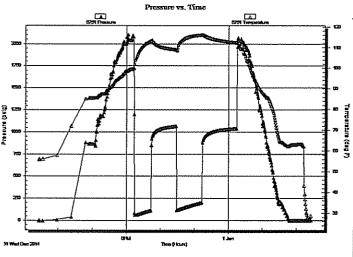
End Time:

02:25:50

Time Off Blm:

TEST COMMENT: 30- Tool slid 15' w hile open, bled off initial blow, B.O.B. @ 23 min.

45- No return. 45- B.O.B. @ 25 min. 60- No return.



	(Min.)	(psig)	(deg F)	Annotation	
'					

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .240 @ 36 Degrees F = 63000 F	PM 0.00
154.00	OSWM 30w 70m	2.16
248.00	MW 25m 75w	3.48
-		
	,	

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

Trilobite Testing, Inc.

Ref. No: 58490

Printed: 2015.01.01 @ 09:59:13



**FLUID SUMMARY** 

deg API

63000 ppm

Lario Oil & Gas Co.

S21-19s-35w Wichita / KS

301 S. Market St. Wichita, KS 67202-3805 Edsall #1-21

Job Ticket: 58490

DST#:1

ATTN: Steve Davis

Test Start: 2014.12.31 @ 18:26:00

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem Mud Weight:

9.00 lb/gal

55.00 sec/qt

Viscosity: Water Loss:

7.99 in<sup>3</sup> Resistivity:

Salinity: Filter Cake:

ohm.m 5000.00 ppm

1.00 inches

Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

psig

ft

bbl

**Recovery Information** 

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: .240 @ 36 Degrees F = 63000 PPM	0.000
154.00	OSWM 30w 70m	2.160
248.00	MW 25m 75w	3.479

Total Length:

402.00 ft

Total Volume:

5.639 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: @ Degrees F =

Trilobite Testing, Inc.

Ref. No: 58490

Printed: 2015.01.01 @ 09:59:13

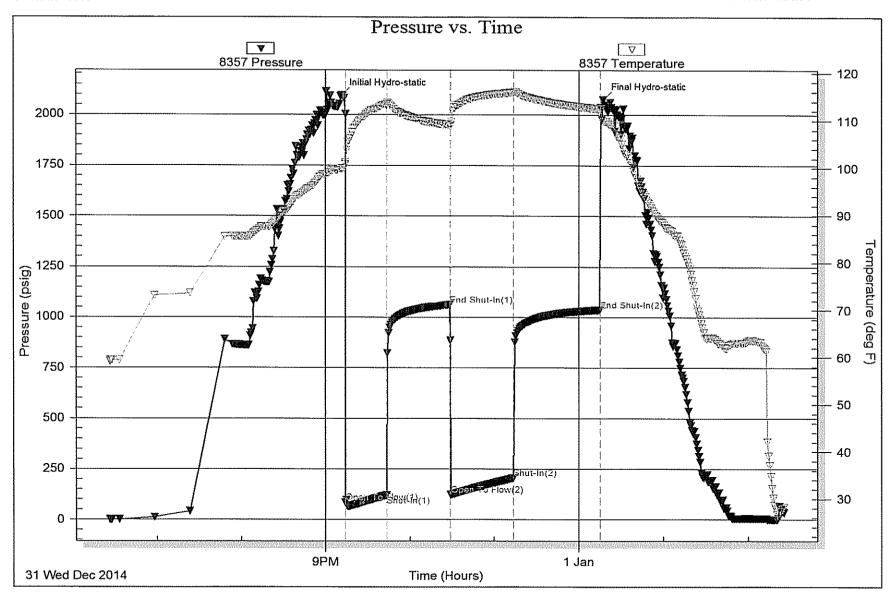
Serial #: 8357

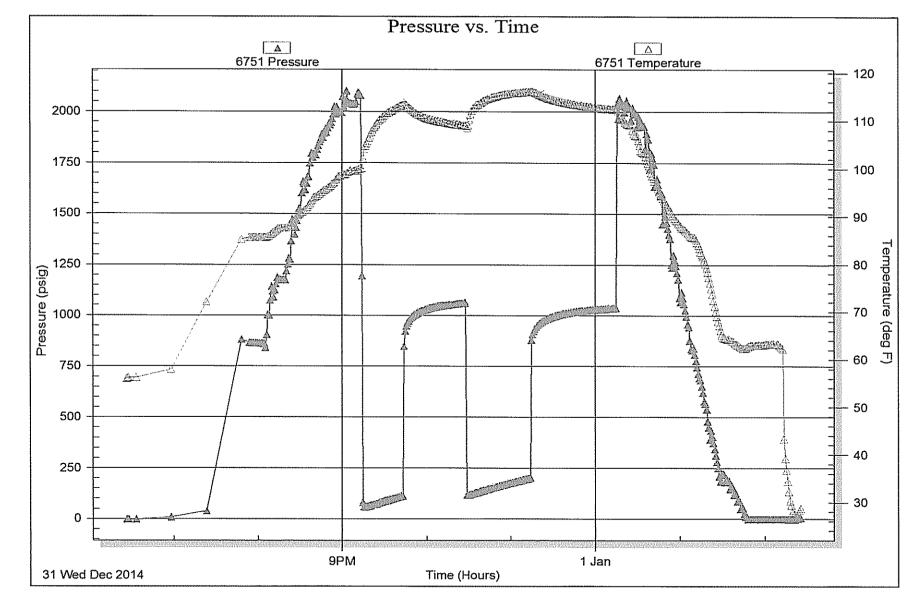
Inside

Lario Oil & Gas Co.

Edsall #1-21

DST Test Number: 1







Lario Oil & Gas Co.

301 S. Market St. Wichita, KS 67202-3805

ATTN: Steve Davis

S21-19s-35w Wichita / KS

Edsall #1-21

Job Ticket: 58492

DST#: 2

Test Start: 2015.01.01 @ 18:48:00

#### **GENERAL INFORMATION:**

Time Tool Opened: 20:32:10

Time Test Ended: 01:08:09

Formation:

Interval:

Total Depth:

Lansing 'L'

Deviated:

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Chuck Smith

Unit No: 61

Reference Elevations:

3147.00 ft (KB)

3138.00 ft (CF)

KB to GR/CF:

9.00 ft

Hole Diameter: Serial #: 8357

Press@RunDepth:

Inside 27.50 psig @

4370.00 ft (KB) (TVD)

4346.00 ft (KB) To 4370.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

4349.00 ft (KB)

Capacity:

pisq 00.0008

Start Date: Start Time: 2015.01.01 18:48:02

End Date: End Time:

2015.01.02 01:08:10 Last Calib.:

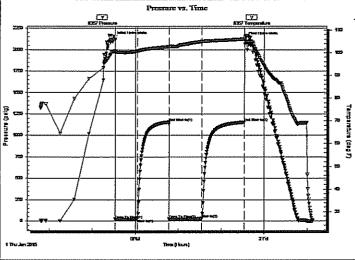
2015.01.02

Time On Btm: Time Off Btm: 2015.01.01 @ 20:30:00 2015.01.01 @ 23:33:30

TEST COMMENT: 30-1" Blow.

45- No return. 45- No blow.

60- No return.



# PRESSURE SUMMARY

		• • •		L
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2132.83	100.57	Initial Hydro-static
	3	20.57	100.23	Open To Flow (1)
	33	24.01	100.70	Shut-In(1)
	77	1156.50	102.71	End Shut-In(1)
ĺ	78	23.82	102.27	Open To Flow (2)
	123	27.50	104.99	Shut-In(2)
,	183	1153.79	106.12	End Shut-In(2)
,	184	2125.00	107.50	Final Hydro-static
				·
ı				
		!!!	i	

#### Recovery

Length (fl)	Description	Volume (bbi)
20.00	M 100m Oil spots in tool.	0.28
Recovery from n	nutúple tests	

#### Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 58492

Printed: 2015.01.02 @ 06:52:23



**FLUID SUMMARY** 

Lario Oil & Gas Co.

S21-19s-35w Wichita / KS

301 S. Market St. Wichita, KS 67202-3805 Edsall #1-21 Job Ticket: 58492

ft

bbl

psig

DST#: 2

ATTN: Steve Davis

Test Start: 2015.01.01 @ 18:48:00

Mud and Cushion Information

Mud Type: Gel Chem Mud Weight:

9.00 lb/gal

Viscosity:

52.00 sec/qt Water Loss: 9.58 in<sup>3</sup>

Resistivity: Salinity: Filter Cake:

7000.00 ppm 2.00 inches

ohm.m

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API ppm

Water Salinity:

**Recovery Information** 

Recovery Table

Length ft Description Volume bbl 20.00 M 100m Oil spots in tool. 0.281

Total Length:

20.00 ft

Total Volume:

0.281 bbl

Num Fluid Samples: 0

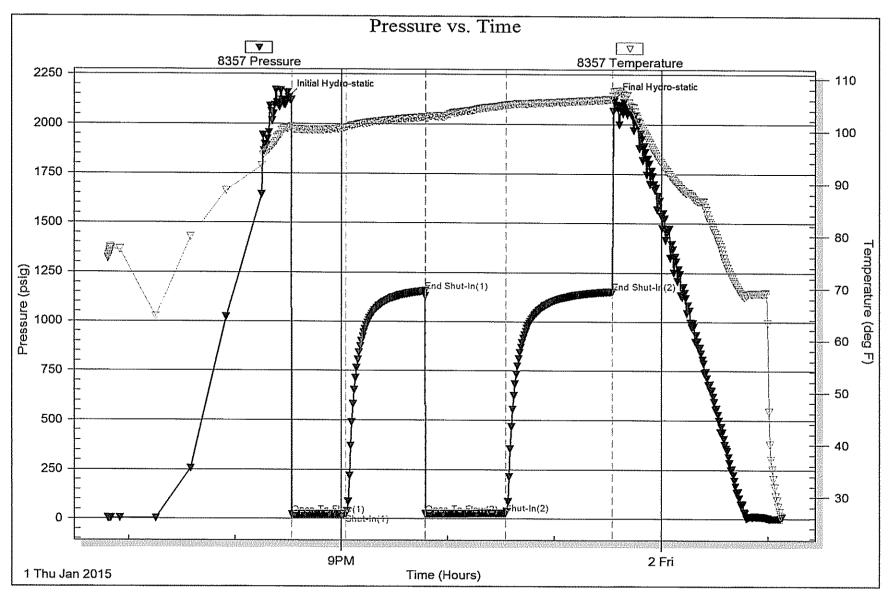
Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: @ Degrees F =





Lario Oil & Gas Co.

S21-19s-35w Wichita / KS

301 S. Market St. Wichita, KS 67202-3805 Edsall #1-21

Job Ticket: 58493

DST#:3

ATTN: Steve Davis Test Start: 2015.01.02 @ 18:55:00

GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

Marmaton 'A-B'

Deviated: No Whipstock: Time Tool Opened: 22:04:10

Time Test Ended: 02:50:20

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Chuck Smith

Unit No:

Reference Elevations:

3147.00 ft (KB)

3138.00 ft (CF)

Hole Diameter:

4510.00 ft (KB) (TVD)

7.88 inchesHole Condition: Good

4430.00 ft (KB) To 4510.00 ft (KB) (TVD)

KB to GR/CF:

9.00 ft

Serial #: 8357 Press@RunDepth: Inside

57.38 psig @

4432.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2015.01.02 18:55:02

End Date: End Time:

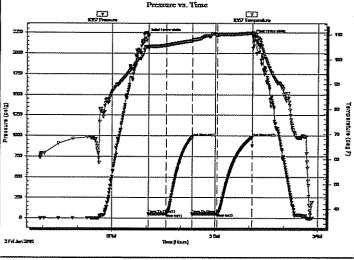
2015.01.03 02:50:20 Last Calib.: Time On Btm: 2015.01.03

Time Off Btm:

2015.01.02 @ 22:02:10 2015.01.03 @ 01:06:09

TEST COMMENT: 30-1 1/2"Blow.

45- No return. 45- No blow. 60- No return.



		P	RESSUF	RE SUMMARY
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
20	0	2217.68	105.00	Initial Hydro-static
-	2	53.92	104.41	Open To Flow (1)
,	33	55.73	105.65	Shut-In(1)
-1	78	985.82	107.46	End Shut-In(1)
, <u>ą</u>	7 <del>9</del>	54.30	107.22	Open To Flow (2)
Temperature (dag F)	122	57.38	109.61	Shut-In(2)
12	183	981.62	110.59	End Shut-In(2)
. 37	184	2206.42	110.66	Final Hydro-static
				-
1				

	Recovery	
Length (ft)	Description	Valume (bbi)
10.00	M 100m	0.14
* Recovery from r	nultiple tests	

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

Trilobite Testing, Inc.

Ref. No: 58493

Printed: 2015.01.03 @ 06:54:16



**FLUID SUMMARY** 

Lario Oil & Gas Co.

S21-19s-35w Wichita / KS

301 S. Market St. Wichita, KS 67202-3805 Edsall #1-21 Job Ticket: 58493

DST#: 3

ATTN: Steve Davis

Test Start: 2015.01.02 @ 18:55:00

**Mud and Cushion Information** 

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type: Cushion Length: Oil API:

deg API

Mud Weight: Viscosity:

58.00 sec/qt

Cushion Volume:

Water Salinity:

ppm

Water Loss:

8.79 in<sup>3</sup>

Gas Cushion Type:

ft

bbl

Resistivity: Salinity:

Filter Cake:

ohm.m 7500.00 ppm

1.00 inches

Gas Cushion Pressure:

psig

**Recovery Information** 

Recovery Table

Length ft Description Volume bbl 0.140 10.00 M 100m

Total Length:

10.00 ft

Total Volume:

0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: @ Degrees F =

Trilobite Testing, Inc.

Ref. No: 58493

Printed: 2015.01.03 @ 06:54:17

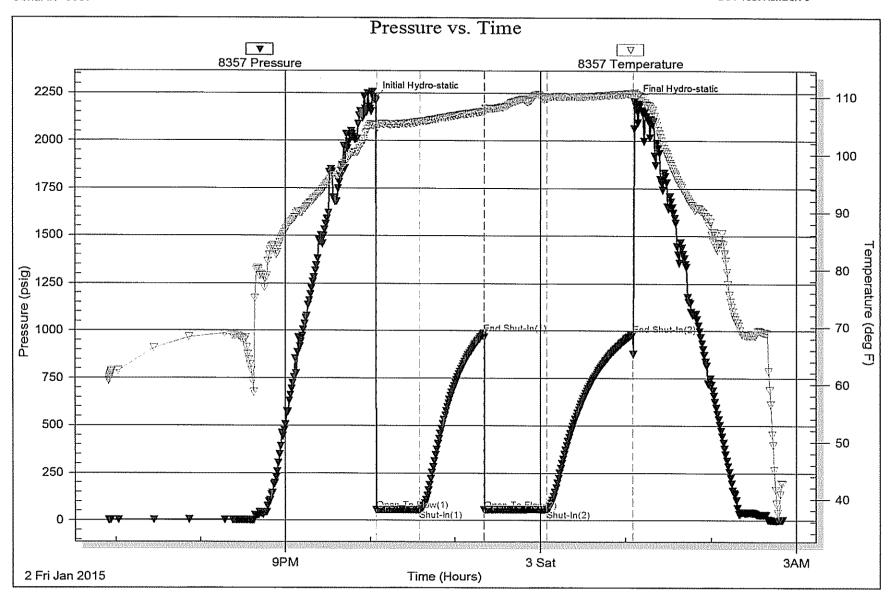
Serial #: 8357

Inside

Lario Oil & Gas Co.

Edsall #1-21

DST Test Number: 3





Lario Oil & Gas Co.

S21-19s-35w Wichita / KS

301 S. Market St. Wichita, KS 67202-3805 Edsall #1-21 Job Ticket: 58494

DST#:4

ATTN: Steve Davis

Test Start: 2015.01.03 @ 16:13:00

#### **GENERAL INFORMATION:**

Formation:

Pawnee

Deviated:

No Whipstock: ft (KB)

Unit No:

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 18:19:40 Time Test Ended: 23:03:20

Tester:

Chuck Smith

Interval:

4541.00 ft (KB) To 4581.00 ft (KB) (TVD)

Reference Elevations:

3147.00 ft (KB)

Total Depth:

4581.00 ft (KB) (TVD)

3138.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

61

9.00 ft

Serial #: 8357 Press@RunDepth: Inside

27.85 psig @

4544.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2015.01.03

End Date:

2015.01.03

Last Calib.:

Start Time:

16:13:02

End Time:

23:03:20

Time On Btm:

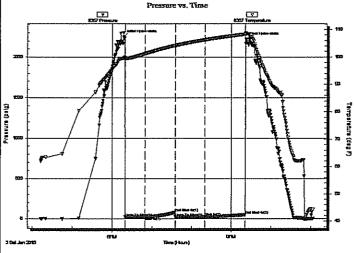
2015.01.03

Time Off Btm:

2015.01.03 @ 18:17:30 2015.01.03 @ 21:22:09

TEST COMMENT: 30-1" Blow.

45- No return. 45- No blow. 60- No return.



#### Annotation Time Pressure Temp (Min.) (psig) (deg F) 0 2253.83 99.68 Initial Hydro-static 23.24 99.02 Open To Flow (1) 3 33 25.11 101.16 Shut-In(1) 78 78.76 104.15 End Shut-in(1) 22.54 78 104.16 Open To Flow (2) 27.85 106.23 123 Shut-In(2) 184 50.11 108.28 End Shut-In(2) 108.48 185 2222.81 Final Hydro-static

PRESSURE SUMMARY

#### Recovery

Length (fi)	Description	Volume (bbl)
0.00	RW: @ Degrees F = 000 PPM	0.00
***************************************		
	·····	
* Recovery from n		

#### Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 58494

Printed: 2015.01.03 @ 23:40:05



**FLUID SUMMARY** 

Lario Oil & Gas Co.

S21-19s-35w Wichita / KS

301 S. Market St. Wichita, KS 67202-3805 Edsall #1-21 Job Ticket: 58494

DST#: 4

ATTN: Steve Davis

Test Start: 2015.01.03 @ 16:13:00

**Mud and Cushion Information** 

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal

Cushion Length: ft

e Colinius

Viscosity:

57.00 sec/qt

Cushion Volume:

Water Salinity:

ppm

Water Loss: Resistivity: 7.97 in<sup>3</sup> ohm.m

Gas Cushion Type:
Gas Cushion Pressure:

psig

bbl

Salinity: Filter Cake: 7000.00 ppm 1.00 inches

Recovery Information

Recovery Table

 Length ft
 Description
 Volume bbl

 0.00 RW: @ Degrees F = 000 PPM
 0.000

Total Length:

ft Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: @ Degrees F =

Trilobite Testing, Inc.

Ref. No: 58494

Printed: 2015.01.03 @ 23:40:05

Inside

Lario Oil & Gas Co.

Edsall #1-21

DST Test Number: 4

