

Confidentiality Requested:

Yes No

# Kansas Corporation Commission Oil & Gas Conservation Division

1210014

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	Producing Formation:			
☐ Gas ☐ D&A ☐ ENHR	SIGW	Elevation: Ground: Kelly Bushing:			
☐ OG ☐ GSW	Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:			
CM (Coal Bed Methane)		Amount of Surface Pipe Set and Cemented at: Feet			
Cathodic Other (Core, Expl., etc.):		Multiple Stage Cementing Collar Used? Yes No			
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 Tota	I Depth:				
☐ Deepening ☐ Re-perf. ☐ Conv. to ENH	R Conv. to SWD	Drilling Fluid Management Plan			
☐ Plug Back ☐ Conv. to GSW	Conv. to Producer	(Data must be collected from the Reserve Pit)			
Commingled 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 #:		Operator Name: License #:			
	Completion Date or	QuarterSecTwpS. R EastWest			
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 Approved by: Date:



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ing and shut-in pressu	ormations penetrated. Eures, whether shut-in preith final chart(s). Attach	essure reached stati	c level, hydrosta	atic pressures, bott		
		tain Geophysical Data a r newer AND an image		gs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth an		Sample
Samples Sent to Geol	logical Survey	☐ Yes ☐ No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	w 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	JEEZE RECORD			
Purpose:  Perforate Protect Casing Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Plug Off Zone							
Does the volume of the to		n this well? aulic fracturing treatment ex submitted to the chemical (	_	Yes ? Yes Yes	No (If No, ski	p questions 2 ar p question 3) out Page Three	
Shots Per Foot	PERFORATIO	N RECORD - Bridge Plug	s Set/Type		cture, Shot, Cement		
	Specify Fo	ootage of Each Interval Per	forated	(A	mount and Kind of Ma	terial Used)	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	IR. Producing Meth		Gas Lift (	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wate	er B	bls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	Open Hole	METHOD OF COMPLE Perf. Dually (Submit A	Comp. Cor	mmingled	PRODUCTIO	ON INTERVAL:
(If vented, Sub	omit ACO-18.)	Other (Specify)	(Submit )	100-3) (SUB	omit ACO-4)		

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Corinne 5-33
Doc ID	1210014

# All Electric Logs Run

DIL	
MEL	
CNL/CDL	
BHCS	

Form	ACO1 - Well Completion		
Operator	Lario Oil & Gas Company		
Well Name	Corinne 5-33		
Doc ID	1210014		

# Tops

Name	Тор	Datum
Heebner	3662	-933
Lansing	3701	-972
Stark Shale	3955	-1226
Hushpuckney	3992	-1263
Base KC	4044	-1315
Marmaton	4080	-1351
Pawnee	4157	-1428
Ft. Scott	4186	-1457
Johnson	4279	-1550
Morrow	4304	-1575
Basal Penn	4333	-1604
Mississippian	4345	-1616

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Corinne 5-33
Doc ID	1210014

# Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	4334 - 4346	1250 g 7.5% MCA	4334 - 4346
4	4297 - 4301	500 g 15% NEFE	4297 - 4301
4	4137 - 4141	350 g 15% NEFE	4137 - 4141
4	4012 - 4016	250 g 15% NEFE; 500 g 15% NEFE	4012 - 4016
4	3926 - 3932		
4	3912 - 3922		
4	3780 - 3787	300 g 15% MCA	3780 - 3787

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Corinne 5-33
Doc ID	1210014

# 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	244	Common	145	3% cc, % gel
production	7.875	5.5	14	4476	ASCA	170	10# salt, 5.5% gypseal, 2% gel
DV tool	7.875	5.5	14	2195	ALWA 65/35 POZ		6% gel, 1/4# floseal



PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282 (817) 246-3361

Fax:

Bill To:

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

# INVOGE

Invoice Number: 143792

Invoice Date: Jun 11, 2014

Page:

1

drilling AFE 14 093

Customer ID	Field Ticket#	Paymen	t Terms
Lario	64011	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jun 11, 2014	7/11/14

- Quantity	ltem -	Description	Unit Price	Amount
1.00	WELL NAME (	Corinne #5-33		
145.00	CEMENT MATERIALS	Class A Common	17.90	2,595.50
409.00	CEMENT MATERIALS	Chloride	1.10	449.90
152.25	CEMENT SERVICE	Cubic Feet Charge	2.48	377.58
175.50	CEMENT SERVICE	Ton Mileage Charge	2.75	482.63
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
25.00	CEMENT SERVICE	Pump Truck Mileage	7.70	192.50
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
25.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	110.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Adam Flipse		
		JUN 24 /14		
L		Subtotal Cultivated		5 995 36

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 Jul 11, 2014

Subtotal	5,995.36
Sales Tax	232.97
Total Invoice Amount	6,228.33
Payment/Credit Applied	
TOTAL	6,228.33

# ALLIED OIL & GAS SERVICES, LLC 064011 Federal Tax I.D., #20-8651476

SOUTE	ilake, 1	EXAS 760			SER	VICE POINT	Ly KS
DATE 6-11-14	sec. 33	TWP.	RANGE 3.)	CALLED OUT	ONLOCATION 5 130 p.m	JOB START	n 9.45 pm
LEASE Oring	WELL#	5-33	LOCATION Oald	45 to Gold		COUNTY	STATE
OLD OR REW(Ci				ore fank bath		Logen	165
CONTRACTOR	WL	ンツ		OWNER S		.J	
TYPE OF JOB	Sucla			OWNER 😔	eine		
HOLE SIZE	1214	T.D.	245	CEMENT			
CASING SIZE &	5/8	DEP	TH 244.86'	AMOUNT OR	DERED 145	3K5 Poi	n 3%CC
TUBING SIZE DRILL PIPE	·	DEP	· · · · · · · · · · · · · · · · · · ·				
TOOL		DEP	· · · · · · · · · · · · · · · · · · ·				
PRES. MAX		DEP	IMUM	COMMON	1215-6	- 1H 90	2575.50
MEAS, LINE	***************************************		EJOINT	_ COMMON POZMIX			<u> 20 75.58</u>
CEMENT LEFT IN	CSG.	15'		GEL		_@	
PERFS.				CHLORIDE	409 #	@7.10	449.90
DISPLACEMENT		.64 bbl	H20	_ ASC		_@	
	ÉQU	IPMENT		- 11-1		_,@	
		~	~ ·	<u> Mgrerre</u>	al sargi	<u> </u>	_ <i>3.095.40</i>
			Beaver	- <del>/ 9/1</del>	1-1-1-300	?§	
# 120 +	IELPER'S	Tyler	Elipse	- (	gen Lexto	'_/@ '`@	
BULK TRUCK # 891/308 E	mittes	0.7	۱ سو	<del></del>			
BULK TRUCK	KIYEK	Haum	Flipse			_	
	RIVER			Vistas annieros esperantes		@	- A Company of the Co
				<ul> <li>HANDLING ↓</li> </ul>	52.25 413	_@ <i>_2:4</i> }	377.58
	กระ	AARKS:		MILEAGE	02 Jens 125mi)		982.63
m. * . 1) 67°			0.			TOTA	Ë.,
		Com 3/s	·((,		w		
- proplace		where			SERVI	CE	
		<u> </u>	<del></del>	DEPTH OF JOI	2	245'	
				_ PUMPTRUCK			512.25
				EXTRA FOOT		@	, xe
**************************************	···		·+\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	MILEAGE (h)		@ 7.70	192.50
•			Thank You		wedge	· @	275.00
			Paul +Tyle	- miv	25	@ 4.40	110.00
CHARGE TO:_ [	ario	W./ T	600	750	1108/ 5	· #	- 27 060 W
	<u> </u>	-644	0 33	- (00	98.74/ 50	mam u	(D) 1711/10
STREET				···		TOTAL	1
CITY	STA	TE:	ZIP	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	a via a méa im	Mariene em	
				P	LUG & FLOAT	EQUIPME	N.I.
				· · · · · · · · · · · · · · · · · · ·			
				P		-@	-
To: Allied Oil & G	as Servic	ec IIC		<del></del>			
You are hereby req			ntino ecuinment			@	-
and furnish cement				W. C.		@	-
contractor to do wo	rk as is l	isled. The	above work was				•
done to satisfaction						TOTAL	·
contractor. I have a	read and	understand	the "GENERAL				·
TERMS AND CON	MOITION	IS" listed o	on the reverse side.	SALES TAX (If	Any)	Carl Land Car	<del></del>
				TOTAL CHARC	ies <u>J. 92</u>	1,36	
PRINTED NAME				DISCOUNT	and the same of the same	12	in this on the con-
			- <del></del>	. DISCOUNTY	11 1127 3000	IF PAI	D IN 30 DAYS
SIGNATURE 2	, FL	Q-	**********	1.71.68	1.176.12/1	S. Carl	
NOMALOKE // ///	Mus	NIN	Nunce				

64011

BID SHEET



Hide/Unhide Rows

Date	April 21,2014		
Ticket Number		_	
Service Point:	Oakley, KS		
Address	P.O. Box 27		
	Oakley, KS 67748		
Business Phone	785-672-3452		

Manager	Terry Heinrich
E-mail	tery.heinrich@alliedservcet.co
Mobile Phone	785-673-9376

Company	Lario Oil & Gas	Prepared For:	Jay Schweikert	Tigram, We	II bor verber ofter .
Address	301 S Market	Business Phone:	316-265-5611		ll Data
Address	Wichita, KS 67202	Email;	jschweikert@lariooll.com	Open Hole	12 1/4
Well Name	Corinne	Mobile Phone:	Hactives/rest@iations/com	Depth	220
Well Number	#5-33	Prepared By:	lu-in	String	01 Surface
Field	52,SW,NW,SE, Sec: 33-T145-R3		Neal Rupp	Casing Size	8 5/8
County			neal.rupp@alliedservices.com	1D	8.095
<del></del>		Mobile Phone:	316-250-7057	Weight	24.0
State	Kansas	Business Phone:	316-260-3368	Grade .	J-55
City		Rig Contractor		Top (md)	
API Number		Rig Name/No.		Btm (md)	220
pecific Job Type	01 Surface	Rig Phone:		Thread	
		Company Rep		Imeau	LTC
		Rep Phone No.			
	į.	Mileage (one way)	25	-	
	1	Proposal Date	April 21,2014	-	

			т	<del>-,</del>		-						
OPERATIONS	Units	MOU	Cost per Unit		Total		Unit Net	Net				
Casing Pump Charge O' to 500'	1.00	for 6 hours	\$1,512.25	Ś	1,512.25			<del></del>	Cost per Unit	Cost Total	\$ GP	% GP
Cementing Head Rental with Manifold	1.00	, per day	\$275.00	1 c		+	1,058.58	3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7				
Subto		1 pc. Luj	7273.00	1 7	275.00		192.50	¥ 4 D Z 10 U				
EQUIPMENT SALES			<u> </u>	13	1,787.25	L.,		\$1,251.08				
8 5/8 Wooden Plug	1.00		· · · · ·	7.								
Subto		each	\$76.25	\$	76,25	-	76.25	\$76.25	\$57.19	\$57.19	\$19.06	25.0%
PRODUCTS			<u></u>	1\$	76.25			\$76,25		\$57.19	\$19.06	
CLASS A COMMON		<del></del>							· · · · · · · · · · · · · · · · · · ·	1-7125	015,00	23.00/3
Calcium Chloride	145.00	persack	\$17.90	\$	2,595.50	\$	12.53	\$1,816.85	\$0.00	\$0.00	<u> </u>	
Subtotal	6.00	persack	\$64.00	\$	384.00	S	44.80	\$258.80	\$15.00	\$90.00	\$1,816.85	
	-	<u></u>		\$.	2,979,50	-	- 11100	\$2,085.65	773.00		\$178.80	
TRANSPORT Products handling service charge								92,003.03	:	\$90.00	\$1,995.65	95.68%
Drayage for Products	153,10	per cu. Ft.	\$2.48	\$	379.68	\$	1.74	\$265,78				
Light Vehicle Mileage	175.49	ton-mile	\$2.60	\$	456.26	\$	1.82	\$319,38				
Heavy Vehicle Mileage	25.00	per mile	\$4.40	\$	110.00	\$	3.08	\$77.00				
Subtotal	25.00	. per mile	\$7.70	\$	192.50	\$	5.39	\$134.75				
Totals:	<u> </u>			\$	1,138.44			\$796.91				
DISCOUNT; Operations				\$	5,981.44			\$4,209.89				
DISCOUNT: Equipment Sales			30.0%		(536.18)			¥ ([E03]03				
DISCOUNT: Products			0.0%		0.00							
DISCOUNT: Transport			30.0%		(893,85)							
DISCOUNT: ADDITIONAL ITEMS			30.0%		(341,53)							
		<u> </u> ,	30.0%		0.00							
· · · · · · · · · · · · · · · · · · ·			Total .		(1,771,56)							

Services Total   \$2,925.69   \$877.71   \$2,047.99   \$2,055.55   \$6P   \$
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PO Box 93999 Southlake, TX 76092

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

Billitor

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

# INVOICE

Invoice Number: 144089

Invoice Date: Jun 23, 2014

Page: 1

Customer ID	Field Ticket#	Paymen	t Terms
Lario	64034	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 23, 2014	7/23/14

				. Amount
Quantity	Item 4	Description:	Unit Price	S. Amount
	WELLNAME	(Corinne #5-33) drilling ARe 14 093		
	CEMENT MATERIALS	ASC	20.90	3,553.00
375.00	CEMENT MATERIALS	Light Weight Type 1 7-9-14 LK	16.50	6,187.50
867.00	CEMENT MATERIALS	Salt	0.68	589.56
94.00	CEMENT MATERIALS	Flo Seal	2.97	279.18
850.00	CEMENT MATERIALS	Gilsonite	0.98	833.00
51.00	CEMENT MATERIALS	FI-160	18.90	963.90
25.00	CEMENT MATERIALS	Defoamer	3.50	87.50
12.00	CEMENT MATERIALS	Mud Clean	41.09	493.08
643.95	CEMENT SERVICE	Cubic Feet Charge	2.48	1,597.00
679.50	CEMENT SERVICE	Ton Mileage Charge	2.75	1,868.63
1.00	CEMENT SERVICE	Production Bottom Stage	2,765.75	2,765.75
1.00	CEMENT SERVICE	Production Top Stage	2,406.25	2,406.25
25.00	CEMENT SERVICE	Pump Truck Mileage	7.70	192.50
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
25.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	110.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	640.00	640.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Plug	325.00	325.00
12.00	EQUIPMENT SALES	5-1/2 Centralizer	57.00	684.00
1.00	EQUIPMENT SALES	5-1/2 Basket	395.00	395.00
		The state of the s		
				Configuration

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

\$ 8,505.30

ONLY IF PAID ON OR BEFORE
Jul 23, 2014

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL.	Continued



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

	N	V	O		C	
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Invoice Number: 144089

Invoice Date: Jun 23, 2014

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ag	e:			2
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Customer ID	Field Ticket#	Paymen	t Terms
Lario	64034	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 23, 2014	7/23/14

<b>Quantity</b>	ltem		nit Price	Amount
l .		LaRene Wentz		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		
			1	
;				
	:			
		A STATE OF CHARLES		
			:	
	:			
1		t.		
4/1 00101	EC ADE NET DAVABLE	¬ Subtotal		29,580.85

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

**\$** 8,505.30

ONLY IF PAID ON OR BEFORE Jul 23, 2014

	Į.	į.
Subtotal	2	29,580.85
Sales Tax		1,557.98
Total Invoice Amount	;	31,138.83
Payment/Credit Applied		
TOTAL		31,138.83

# ALLIED OIL & GAS SERVICES, LLC 064034

	I.D. # 20-8651475	
REMIT TO P.O. BOX 93999	SER	VIČE POINT:
SOUTHLAKE, TEXAS 76092		DaKley, KI
DATE 6 723-14 SEC 33 TWP 4 RANGE 32_	CALLED OUT ON LOCATION	JOB START JOB FINISH
DATE 6-23-14 SEC 33 TWP 4 RANGE 32	10:00 ans	7103 pm 8700 pm
LEASE WELL # 5-33 LOCATION Oak	(m, 235, 1w,	COUNTY STATE
	custo	0
		J
CONTRACTOR (U) 2	OWNER Sauce	
TYPE OF JOB / Poler from 2 stage HOLE SIZE 7/8 T.D. 45041	CEMENT	
CASING SIZE 3 YZ DEPTH 4475.99		EN 480 102 3027
TUBING SIZE DEPTH	220gel, 57gilsenil	375562411
DRILL PIPE DEPTH		12661 breed clea
TOOL DW - DEPTH 2/95.311	-	
PRES. MAX MINIMUM	, соммон	
MEAS. LINE SHOE JOINT 2/602	POZMIX	_@
CEMENT LEFT IN CSG. 21.01	GEL	_@
PERFS.	CHLORIDE	
DISPLACEMENT 106.03 661	ASC /20 2/5	
EQUIPMENT	ALWTYPET 3255KS 5214 8679	e 16.50 6187, 50
/	[-{loseof 74#	@ .65 589.X @ 277 272.28
PUMPTRUCK CEMENTER La Rene & Wen,	075 The 950 5	0 18 783.00
# 422 HELPER Wayne Mc 54 go	4 FC 160 (CFX 210) 51 F	@ 78.90 943.90
#386/24/ DRIVER JUGATTAMES (TWS)	Datan 250	@ 3.50 87.50
#386/241 DRIVER VCI autamez (TWS)	Mark Clean 12651	@ 4109 49308
# 600 DRIVERESTOBANARAJO (Tax	AST SSINGHOMING	(a) 13 9 6.78.
WOOD DRIVER DIED TO WOOD WAS	7 HANDLING 20 73 12 37	@ 248 159200
	MILBAGE 22.18 youx 35	x2,75 1868,63
REMARKS:	339603/30	්ර් ) TOTAL
Penyphall Horough You # Mix Hede	lea	Mr Strawery
Mil 170 gles domas, Displace with	/*************************************	~ 4.5
and the first of the state of	≅ SERVI	3E
District and Day 1700 sp	RA	
DUTEN SODA, Circ 3403, Plusny, 1	ea. Sikobepth of Job <u>4 725, &gt; 5</u>	×
DUTEN 300th, Circ 3 hos, Plugues. 1. Plug Rot 3 dosto, MIX 330 of lite.	E4 FF9BPTH OF JOB <u>4725, &gt; 5</u> PUMP TRUCK CHARGE	2765.25
DUTEN 300 th. Circ 3 hd. Phight. 1. Plug RE 3056, MIX 330 stolic. Difface with water handpung.	EA FEDEPTH OF JOB <u>Y 725. &gt; 2</u> PUMP TRUCK CHARGE EXTRA FOOTAGE AUSFES	7765.25 29 2406.25
DUTEN 300th, Circ 3 hos, Plugues. 1. Plug Rot 3 dosto, MIX 330 of lite.	EAL STEDEPTH OF JOB Y 725. > 2 PUMP TRUCK CHARGE EXTRA FOOTAGE AND STED MILEAGE MILEAGE AS	7765.25 2706.25 270 192.30
DUTES 300 th. Circ 3 hd. Plugus 1. Plug RH 3055, MX 330 stolic. Difface with water handplug 10 th Conthald Course del.	PUMPTRUCK CHARGE EXTRA FOOTAGE AUSTON MILEAGE LETTO ZS  MANIFOLD	7765.75 2706.25 0 270 192.50 0 325.00
DUTEN 300 th. Circ 3 hd. Plugust. 1. Plug Riff 305Cr, MIX 330 to Cic. Difface with water hand plug. 100 to Good hald Connect del. Circulate, 205Krtypit Thank your	PUMPTRUCK CHARGE EXTRA FOOTAGE AUSTON MILEAGE LETTO ZS  MANIFOLD	7765.25 2706.25 270 192.30
DUTEN 300 th. Circ 3 hd. Plugust. 1. Plug Riff 305Cr, MIX 330 to Cic. Difface with water hand plug. 100 to Good hald Connect del. Circulate, 205Krtypit Thank your	PALLO 25	7745.25 2706.25 270 792.35 225 00 275 00 4,40 770,00
DUTEN 300 th. Circ 3 hots. Plugust. 1. Plug Ref 3056, MIX 330 to Cic. Diglaca with water handpun. 100 to Good hald Connect del. Circulate, 205kstypit Thank your	PUMPTRUCK CHARGE EXTRA FOOTAGE AUSTON MILBAGE LETTO 23 MANIFOLD 1000 25	7745.25 2706.25 270 792.35 225 00 275 00 4,40 770,00
DUTEN 300 th. Circ 3 hd. Plugust. 1. Plug Riff 305Cr, MIX 330 to Cic. Difface with water hand plug. 100 to Good hald Connect del. Circulate, 205Krtypit Thank your	PUMPTRUCK CHARGE EXTRA FOOTAGE AUSTON MILBAGE LETTO 23 MANIFOLD 1000 25	2765.25 2706.25 270 /92.50 275.00 275.00 275.00 275.00
DUTEN 300 th. Circ 3 hots. Plugust. 1. Plug Ref 3056, MIX 330 to Cic. Diglaca with water handpun. 100 to Good hald Connect del. Circulate, 205kstypit Thank your	PUMPTRUCK CHARGE EXTRA FOOTAGE AUSTON MILEAGE AUSTON MANIFOLD ASS  (2,76453/30%	7765.25 2706.25 270 792.50 275.00 275.00 275.00 275.00 275.00
DUTEN 300 th. Circ 3 hd. Phighs. I Pling Ret 30str, MIX 330 strlic., Dight aco entrinder handpain 100 th for theld Council dell. Criculate. 20strt pit Thankyou. CHARGE TO: Lario Oild Gar Co	PUMPTRUCK CHARGE EXTRA FOOTAGE AUSTON MILEAGE AUSTON MANIFOLD ASS  (2,76453/30%	2765.25 2706.25 270 792.50 275.00
DUTEN 300 th. Circ 3 hd. Phighs. I Pling Ret 30str, MIX 330 strlic., Dight aco entrinder handpain 100 th for theld Council dell. Criculate. 20strt pit Thankyou. CHARGE TO: Lario Oild Gar Co	PLOSPITH OF JOB 4825, 25 PUMP TRUCK CHARGE EXTRA FOOTAGE MUSSING MILEAGE METHO 23 MANIFOLD MOORE  (2,76453/307  Charles Files & FLOAT	2765.25  2706.25  270 792.50  275.00  275.00  275.00  TOTAL 9/5.13  EQUIPMENT  533500
DUTEN 300 th. Circ 3 hd. Phighs. I Pling Ret 30str, MIX 330 strlic., Dight aco entrinder handpain 100 th for theld Council dell. Criculate. 20strt pit Thankyou. CHARGE TO: Lario Oild Gar Co	PROBERTH OF JOB 4825, 25  PUMP TRUCK CHARGE EXTRA FOOTAGE MUSTER MILEAGE METER 23  MANIFOLD 1000 23  (2,76453/307  Wooden February DI BOL. AFCA FIGORISHORE	### ##################################
DUTEN 300 th. Circ 3 hots. Plugust. I Plug Ret 30sts, MIX 330 storlic. Distriction of hold Conjust del. Circulate. 20ststopit Charge to: Lario 0ild Gas Co STREET	PROBERTH OF JOB 4825, 25 PUMPTRUCK CHARGE EXTRA FOOTAGE MUSSIGN MILEAGE METHO 23 MANIFOLD MOORE  (2,76453/307  WORLD BOL.  HEA FLOOTSHOE LAFEL BOUND CUE	### ##################################
DUTON 300 K. Circ 3 hos. Phight / Plug Ref 305 Ex. MIX 330 to Cic.  District Standard Conjust del.  Circulate. 205 Krtzpit  Thank your  CHARGE TO: Lario Oild Gas Co  STREET  CITY STATE ZIP  To: Allied Oil & Gas Services, LLC.	PROBERTH OF JOB 4825, 25  PUMP TRUCK CHARGE EXTRA FOOTAGE MUSTER MILEAGE METER 23  MANIFOLD 1000 23  (2,76453/307  Wooden February DI BOL. AFCA FIGORISHORE	## 25.25  ## 270 /92.50  ## 275.25
Destar 300 th. Circ 3 hots. Phight I Plug Ref 305 to, MIX 330 to Cit.  Distar Resident Land of the Connect of t	PROBERTH OF JOB 4825, 25 PUMPTRUCK CHARGE EXTRA FOOTAGE MUSSIGN MILEAGE METHO 23 MANIFOLD MOORE  (2,76453/307  WORLD BOL.  HEA FLOOTSHOE LAFEL BOUND CUE	### ##################################
Description of the State of the	PROBERTH OF JOB 4825, 25 PUMPTRUCK CHARGE EXTRA FOOTAGE MUSSIGN MILEAGE METHO 23 MANIFOLD MOORE  (2,76453/307  WORLD BOL.  HEA FLOOTSHOE LAFEL BOUND CUE	## 25.25  ## 270 /92.50  ## 275.25
Destroy 300 K. Circ 34 K. Plugust /	PROBERTH OF JOB 4825, 25 PUMPTRUCK CHARGE EXTRA FOOTAGE MUSSIGN MILEAGE METHO 23 MANIFOLD MOORE  (2,76453/307  WORLD BOL.  HEA FLOOTSHOE LAFEL BOUND CUE	### ##################################
Destroy 300 K. Circ 34 K. Plugust /	PROBERTH OF JOB 4825, 25 PUMPTRUCK CHARGE EXTRA FOOTAGE MUSSIGN MILEAGE METHO 23 MANIFOLD MOORE  (2,76453/307  WORLD BOL.  HEA FLOOTSHOE LAFEL BOUND CUE	### ##################################
Description 300 K. Circ 340k. Plugated Plugated Plugated And State Co.  District State Consider State Co.  Circulate, 20 State Pit Co.  CITY STATE ZIP  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 done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL"	PUMPTRUCK CHARGE EXTRA FOOTAGE AND STEED MILBAGENLETEN 25 MANIFOLD 1000  (2,76453/307)  (2,76453	### ##################################
Destroy 300 K. Circ 34 K. Plugust /	PUMPTRUCK CHARGE EXTRA FOOTAGE AUSTED MILBAGE AUSTED MANIFOLD ASS MANIFOLD ASS  (2,76453/307)  (3,76453/307)  (	### ##################################
Description 300 K. Circ 340k. Plugated Plugated Plugated And State Co.  District State Consider State Co.  Circulate, 20 State Pit Co.  CITY STATE ZIP  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 done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL"	PUMPTRUCK CHARGE EXTRA FOOTAGE AUSTER MILBAGE METHO 23 MANIFOLD MOOR  (2, 76453/307  Westlor Stelling & FLOAT  BUTBOL.  AFGI Flood Shoe Lafel Rown prug  (1) Contratizing  (1) Beskert  Bid (1, 844.75/2)  SALES TAX (If Any)  TOTAL CHARGES 275	7265.25 2706.25 270 792.50 270 272.50 275.00 275.00 275.00 275.00 275.00 275.00 275.00 275.00 275.00 275.00
Description 300 K. Circ 340k. Plugated Plugated Plugated And State Co.  District State Consider State Co.  Circulate, 20 State Pit Co.  CITY STATE ZIP  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 done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL"	PUMPTRUCK CHARGE EXTRA FOOTAGE AUSTER MILBAGE METHO 23 MANIFOLD MOOR  (2, 76453/307  Westlor Stelling & FLOAT  BUTBOL.  AFGI Flood Shoe Lafel Rown prug  (1) Contratizing  (1) Beskert  Bid (1, 844.75/2)  SALES TAX (If Any)  TOTAL CHARGES 275	7265.25 2706.25 270 792.50 270 272.50 275.00 275.00 275.00 275.00 275.00 275.00 275.00 275.00 275.00 275.00
Description of the property of the state of	PUMPTRUCK CHARGE EXTRA FOOTAGE AUSTED MILBAGE AUSTED MANIFOLD ASS MANIFOLD ASS  (2,76453/307)  (3,76453/307)  (	### ##################################

Date April 21, 2014
Ticket Number
Service Point: Oakley, KS
Address P.O. Box 27
Oakley, KS 67748
Business Phone 785-672-3452

Manager	Terry Heinrich
E-mail	terry heinrich@all edservices.co
Mobile Phone	785-673-9376

#### BID SHEET



Hide/Unhide Rows

Company	Lario Oil & Gas	Prepared For:	Jay Schwelkert	35	/ell Data
Address	301 S Market	Business Phone:	316-265-5611	Open Hole	7 7/8
Address	Wichita, KS 67202	Email:	Jschweikert@lariooil.com	Depth	4,500
Well Name	Corinne	Mobile Phone:	the afficient anadamy for a property of the pro-	String	4 Port Collar/Star
Well Number	#5-33	Prepared By:	Neal Rupp	Casing Size	5.1/2
Field	SE,NE,NE,NW Sec: 1 - T195 - R3	Email	neal rupp@alliedservices.com	ID	4.950
County	Logan	Mobile Phone:	316-250-7057	Weight	15.5
State	Kansas	Business Phone:	316-260-3368	Grade	J-55
City		Rig Contractor		Top (md)	
API Number		Rig Name/No.		Btm (md)	4,500
Specific Job Type	04 Port Collar/Stage	Rig Phone:		Thread	2,200
		Company Rep		_	
		Rep Phone No.			
		Mileage (one-way)	25		
		Proposal Date	4/21/2014		

		T	Cost per	Г		T						
OPERATIONS	Units	UOM	Unit	Ι.	Total	Un	it Net	Net	Cost per Unit	Cost Total	\$ GP	% GP
Casing Pump Charge 5001' to 6000'	1.00	for 6 hours	\$3,099.25	5	3,099,25	\$ 2	2,169.48	\$2,169.48				
Stage Job - Additional Stages	1.00	min. 4 hr	\$2,406.25	\$	2,406.25	\$ 1	1,684.38	\$1,684.38				
Cementing Head Rental with Manifold	1,00	perday	\$275.00	\$	275.00	\$	192,50	\$192.50				
Subtotal				\$	5,780.50			\$4,045.35				
EQUIPMENT SALES		1,4,-,1									•	
5 1/2 AFU Float Shoe	1.00	each .	\$640.00	\$	640.00	\$	480.00	\$480,00	\$57.19	\$57.19	\$422.81	88.1%
5 1/2 Latch Down Plug	1.00	each(blue)	\$325.00	\$	325.00	\$	243.75	\$243.75	\$50.63	\$50,63	\$193.12	79,2%
5 1/2 Stage Collar Standard	1.00	each	\$5,335.00	\$	5,335,00	\$ 4	,001.25	\$4,001.25	\$3,447.31	\$3,447.31	\$553.94	13.8%
5 1/2 Cement Basket	1.00	each	\$395.00	5	.395,00	\$	296.25	\$296.25	\$170.00	\$170.00	\$126,25	42.6%
5.1/2 Centralizer	16.00	eath	\$57.00	\$	917.00	\$	42.75	\$584.00	\$24.57	\$393.12	\$290.88	42.5%
Subtotal				\$	7,607.00		- 1	\$5,705,25		\$4,118.25	\$1,587.00	27.82%
PRODUCTS			•	··········								
Super Flush	12.00	der bbl	\$58,70	\$	704,40	\$	41.09	\$493.08	\$46,06	\$552.72	-\$59.64	-12.1%
ALLIED SPECIAL BLEND CEMENT - CLASS A	150.00	persack	\$20.90	\$	3,135:00	\$	14.53	\$2,194.50	\$0.00	\$0.00	\$2,194.50	100.0%
FL-16 Fluid Lass Additive - High Temperature	43.00	par pound	\$18.90	5	812.70	\$	13.23	\$\$68.89	\$3,98	\$171.14	\$397.75	69.9%
Rol Seal	750,00 -	∌per pound	\$0.98	s	735:00	\$	0.69	\$514.50	\$0.22	\$165.00	\$349.50	67.9%
Powdered Defoamer	21,00	per pound	\$9,80	\$	205.80	\$	6.86	\$144.06	\$0.87	\$18.27	-\$125,79	87.3%
	370.00	persack	\$16.50	\$	6,105.00	\$	11.55	\$4,273.50	\$0.00	\$0.00	\$4,273.50	100.0%
ALLIED LIGHT WEIGHT CEMENT: TYPE 1 - GLASS A FIO Seal	93,00	per pound	\$2.97	\$	276.21	\$	2.08	\$193,35	\$1.08	\$100.44	\$92.91	48.1%
ALUED LIGHT WEIGHT CEMENT: TYPE 1 - CLASS A	45.00	persack	\$16,50	\$	742.50	\$	11.55	\$519,75	\$0.00	\$0.00	\$519.75	100.0%
Flo Seal	12.00	per pound	\$2.97	\$	35,64	\$	2.08	\$24.95	\$1.08	\$12.96	\$11.99	
Subtotal				\$	12,752.25			\$8,926.58		\$1,020.53	\$7,906.05	88.57%
TRANSPORT												
Products handling service charge	655.49	per cu. Ft.	\$2.48	\$	1,625.61		1.74	\$1,137.93				
Drayage for Products	690.57	ton-mile	\$2,60	5	1,795.49		1.82	\$1,256.84				
Light Vehicle Mileage	25.00	per mile	\$4.40	\$	110,00 192,50		3.08 5.39	\$77.00 \$134,75				
Heavy Vehicle Mileage	25.00	per mile	\$7.70	\$	3,723,60	\$	5.39	\$2,606,52				
Subtotal				Ś	29,863.35			\$21,284.70				
Totals:			30.0%	3	(1.734.15)			\$21,204.70				
DISCOUNT: Operations DISCOUNT: Equipment Sales			25.0%	<del> </del>	(1,901.75)							
DISCOUNT: Products			30.0%	-	(3,825.68)	····					•	
DISCOUNT: Transport			30.0%	<b></b>	(1,117.08)							
DISCOUNT: ADDITIONAL ITEMS		,	30.0%		0.00							
			Total		(8,578.66)							

İ	Gross	Discount	Final		Costs:	\$ GP-	% GP
Services Total	\$9,504.10	\$2,851.23	\$6,652.87	Services	\$2,993.79	\$3,659.08	55.00%
Materials Total	\$20,359.25	\$5,727,43	\$14,631.83	Materials			64.88%
Final Total	\$29,863.35	\$8,578,66	\$21,284.70	Tolbl,	\$8,132.57.	\$13,152.12	61.79%

ADDITIONAL ITEMS	i e				1
Additional hours, in excess of set hours	1.00 perhour	5440.00 5	440.00   \$	308.00	5308.001
IAGOILIONAL NOUIS, IN excess of set nouis	1 1.00   per nour				



Lario Oil & Gas Co.

S33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33 Job Ticket: 57697

DST#: 1

ATTN: Mac Armstrong

Test Start: 2014.06.15 @ 13:02:00

**GENERAL INFORMATION:** 

Formation:

Lansing 'B'

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Deviated: No Whipstock: Time Tool Opened: 15:15:50

Tester:

Chuck Smith

Time Test Ended: 20:47:09

Unit No:

Interval:

3722.00 ft (KB) To 3752.00 ft (KB) (TVD)

Reference Elevations:

2729.00 ft (KB)

Total Depth:

3752.00 ft (KB) (TVD)

2724.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

62

5.00 ft

Serial #: 8357

Press@RunDepth:

Inside

132.55 psig @

3725.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

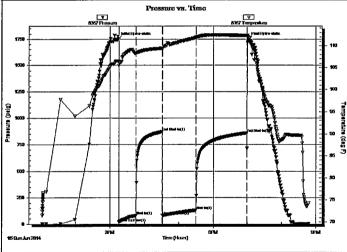
2014.06.15 13:02:02 End Date: End Time: 2014.06.15 20:47:10 Last Calib.: Time On Btm: 2014.06.15

Time Off Btm:

2014.06.15 @ 15:14:00 2014.06.15 @ 19:01:30

TEST COMMENT: 30-6" Blow.

45- No return. 60-9" Blow. 90- No return.



	PRESSURE SUMMARY								
1	Time	Pressure	Temp	Annotation					
10	(Min.)	(psig)	(deg F)						
	0	1748.91	106.41	Initial Hydro-static					
16	2	18.70	105.47	Open To Flow (1)					
ю	32	81.37	108.30	Shut-In(1)					
٠,	77	874.20	109.43	End Shut-In(1)					
s dius	77	82.74	109.26	Open To Flow (2)					
Temperature (deg F)	136	132.55	111.90	Shut-In(2)					
(deg	226	860.97	112.34	End Shut-In(2)					
, <b>.</b>	228	1747.65	111.92	Final Hydro-static					
5									

#### Recovery

Length (ft)	Description	Volume (bbl)		
0.00	0.00 RW: .145 @ 71 Degrees F = 54000 PP			
250.00	OSMW 40m 60w	2.39		

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 57697

Printed: 2014.06.15 @ 22:48:01



**FLUID SUMMARY** 

Lario Oil & Gas Co.

S33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33

Job Ticket: 57697

DST#: 1

ATTN: Mac Armstrong

Test Start: 2014.06.15 @ 13:02:00

Oil API:

**Mud and Cushion Information** 

Mud Type: Gel Chem

9.00 lb/gal

Water Loss:

Resistivity:

Mud Weight:

Viscosity:

Salinity:

Filter Cake:

61.00 sec/qt 6.40 in<sup>3</sup>

ohm.m

2000.00 ppm 1.00 inches Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft bbl

psig

Water Salinity:

54000 ppm

deg API

**Recovery Information** 

Recovery Table

Volume Description Length bbl RW: .145 @ 71 Degrees F = 54000 PPM 0.000 0.00 2.386 250.00 OSMW 40m 60w

Total Length:

250.00 ft

Total Volume:

2.386 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

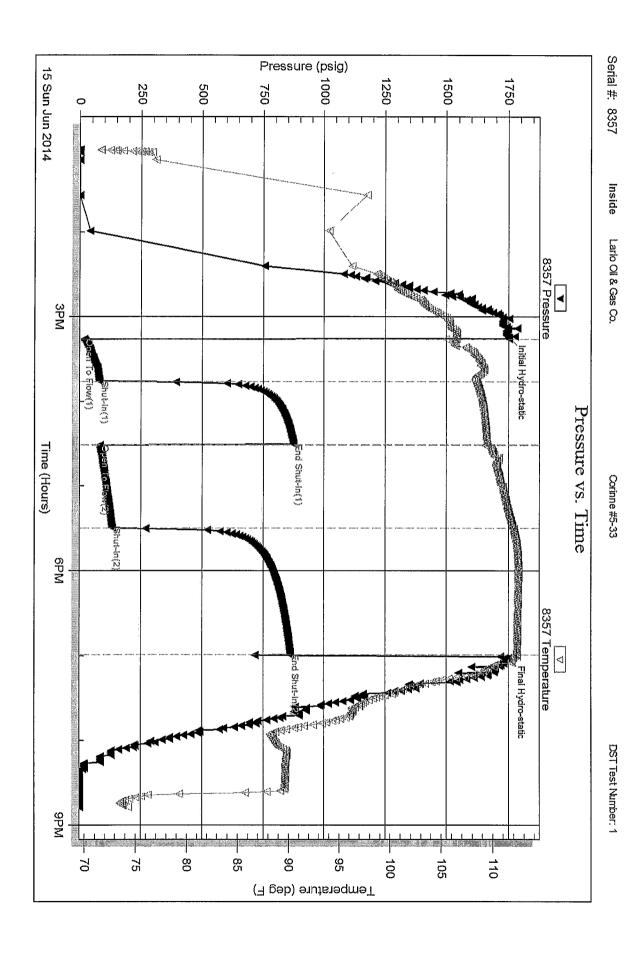
Laboratory Location:

Recovery Comments: API: @ Degrees F =

Trilobite Testing, Inc

Ref. No: 57697

Printed: 2014.06.15 @ 22:48:02



Trilobite Testing, Inc

Ref. No:

57697

Printed: 2014.06.15 @ 22:48:02



Lario Oil & Gas Co.

S33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33

Job Ticket: 57698

DST#: 2

Test Start: 2014.06.16 @ 04:55:00

#### **GENERAL INFORMATION:**

Time Tool Opened: 06:30:30

Time Test Ended: 11:32:50

Formation:

Lansing 'D'

Deviated:

No Whipstock: ft (KB)

ATTN: Mac Armstrong

Test Type: Conventional Bottom Hole (Reset)

Tester:

Chuck Smith

KB to GR/CF:

Unit No:

Reference ⊟evations:

2729.00 ft (KB)

2724.00 ft (CF)

Interval:

3770.00 ft (KB) To 3796.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 3796.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

5.00 ft

Serial #: 8357 Press@RunDepth:

Inside

75.48 psig @

04:55:02

3773.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2014.06.16

End Date: End Time: 2014.06.16 11:32:50 Last Calib.: Time On Btm: 2014.06.16

Time Off Btm:

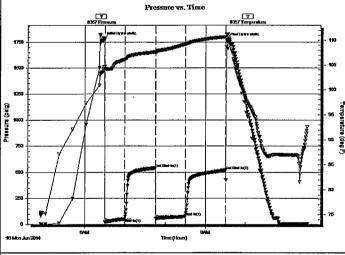
2014.06.16 @ 06:28:10 2014.06.16 @ 09:32:09

TEST COMMENT: 30-7" Blow.

45- No return.

45- B.O.B. @ 43 min.

60- Weak return died @ 5 min.



	PRESSURE SUMMARY			
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1780.68	103.92	Initial Hydro-static
,	3	19.68	104.07	Open To Flow (1)
	32	52.70	106.17	Shut-ln(1)
-	77	540.63	107.69	End Shut-In(1)
enpe	78	57.52	107.54	Open To Flow (2)
Temperature (deg F)	122	75.48	109.20	Shut-in(2)
(d e	183	519.89	110.67	End Shut-In(2)
J	184	1770.80	111.08	Final Hydro-static

Recovery				
Length (ft)	Description	Volume (bbl)		
61.00	GMCO 5g 35m 60o	0.30		
62.00	GMCO 10g 15m 75o	0.30		
42.00	CGO 10g 90o	0.59		
0.00	20' Weak GIP	0.00		

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

Trilobite Testing, Inc

Ref. No: 57698

Printed: 2014.06.16 @ 11:53:57



**FLUID SUMMARY** 

Lario Oil & Gas Co.

S33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202

ATTN: Mac Armstrong

Corinne #5-33

Job Ticket: 57698

DST#: 2

Test Start: 2014.06.16 @ 04:55:00

Mud and Cushion Information

Mud Type: Gel Chem

9,00 lb/gal

Cushion Type:

Oil API:

34 deg API

Mud Weight:

54.00 sec/qt

Cushion Length: Cushion Volume: Water Salinity:

ppm

Viscosity:

6,39 in<sup>3</sup>

fţ bbl

Water Loss:

ohm.m

Gas Cushion Type: Gas Cushion Pressure:

psig

Resistivity: Salinity:

Filter Cake:

2000.00 ppm

1.00 inches

**Recovery Information** 

Recovery Table

Volume Length Description ft bbl 61.00 GMCO 5g 35m 60o 0.300 62.00 GMCO 10g 15m 75o 0.305 42.00 CGO 10g 90o 0.589 0.00 20' Weak GIP 0.000

Total Length:

165.00 ft

Total Volume:

1.194 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

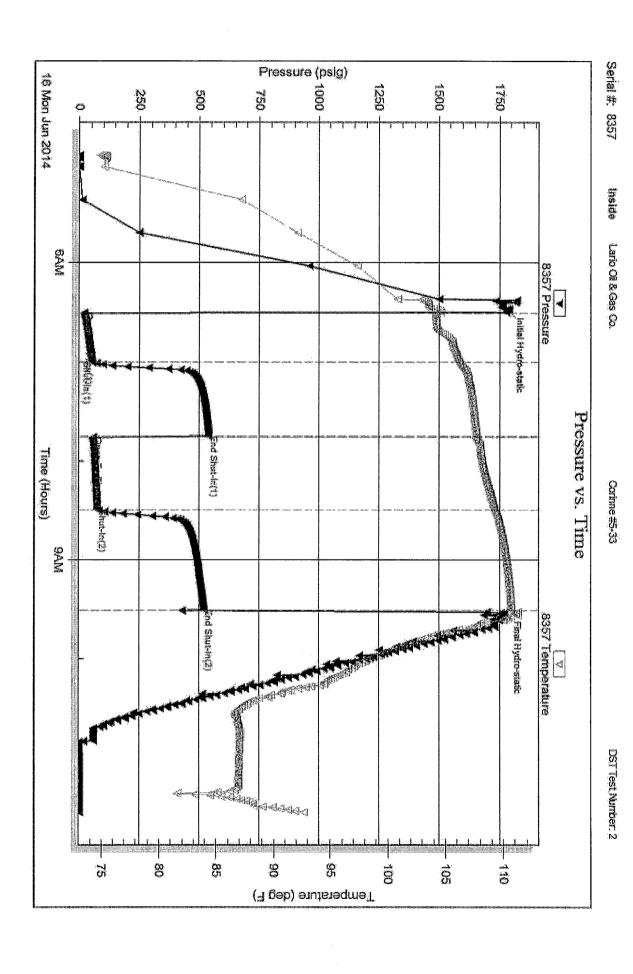
Laboratory Location:

Recovery Comments: API: 37 @ 90 Degrees F = 34.

Trilobite Testing, Inc

Ref. No: 57698

Printed: 2014.06.16 @ 11:53:58



Tribble Testing, Inc

3

57698

Printed: 2014.06.15 @ 11:53.58



Lario Oil & Gas Co.

S33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33

Job Ticket: 57699

DST#: 3

ATTN: Mac Armstrong

Test Start: 2014.06.17 @ 00:49:00

**GENERAL INFORMATION:** 

Time Tool Opened: 02:36:40

Time Test Ended: 07:28:00

Formation: Deviated:

Lansing 'I'

No Whipstock: ft (KB)

Test Type: Tester: Chuck Smith

Conventional Bottom Hole (Reset)

Unit No:

2729.00 ft (KB)

Reference Elevations:

2724.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval:

3890.00 ft (KB) To 3914.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 3914.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Serial #: 8357 Press@RunDepth:

Inside

102.88 psig @

3891.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2014.06.17 00:49:02 End Date: End Time: 2014.06.17 07:28:00 Last Calib.:

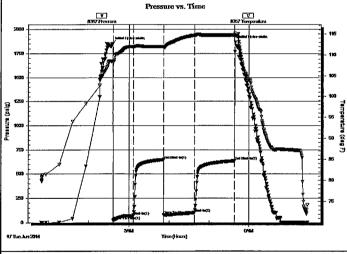
2014.06.17

Time On Btm: 2014.06.17 @ 02:34:40

Time Off Btm:

TEST COMMENT: 11" Blow.

No return. B.O.B. @ 30 min. 1" Return.



	PRESSURE SUMMARY				
Ī	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	1850.41	108.40	Initial Hydro-static	
	2	22.13	108,12	Open To Flow (1)	
	32	72.43	111.92	Shut-In(1)	
-1	77	649.01	111.97	End Shut-In(1)	
e du	77	79.43	111.79	Open To Flow (2)	
	124	102.88	114.67	Shut-In(2)	
Temperature (deg F)	184	635.61	114.70	End Shut-In(2)	
IJ	185	1866.82	114.54	Initial Hydro-static	

#### Recovery

Length (ft)	Description	Volume (bbl)
123.00	GOCM 10g 20o 70m	0,60
112.00	CGO 30g 70o	1.57
0.00	190' GIP	0.00
* Recovery from mul	tiple tests	

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 57699

Printed: 2014.06.17 @ 07:49:29



**FLUID SUMMARY** 

36 deg API

ppm

Lario Oil & Gas Co.

S33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33

Job Ticket: 57699

DST#: 3

ATTN: Mac Armstrong

Test Start: 2014.06.17 @ 00:49:00

Oil API:

Water Salinity:

**Mud and Cushion Information** 

Mud Type: Gel Chem

9.00 lb/gal

57.00 sec/qt

7.99 in<sup>3</sup>

Resistivity: Salinity: Filter Cake:

Mud Weight:

Water Loss:

Viscosity:

ohm.m 4000.00 ppm 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

**Recovery Information** 

Recovery Table

Length ft	Description	Volume bbl
123.00	GOCM 10g 20o 70m	0.605
112.00	CGO 30g 70o	1.571
0.00	190' GIP	0.000

Total Length:

235.00 ft

Total Volume:

2.176 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

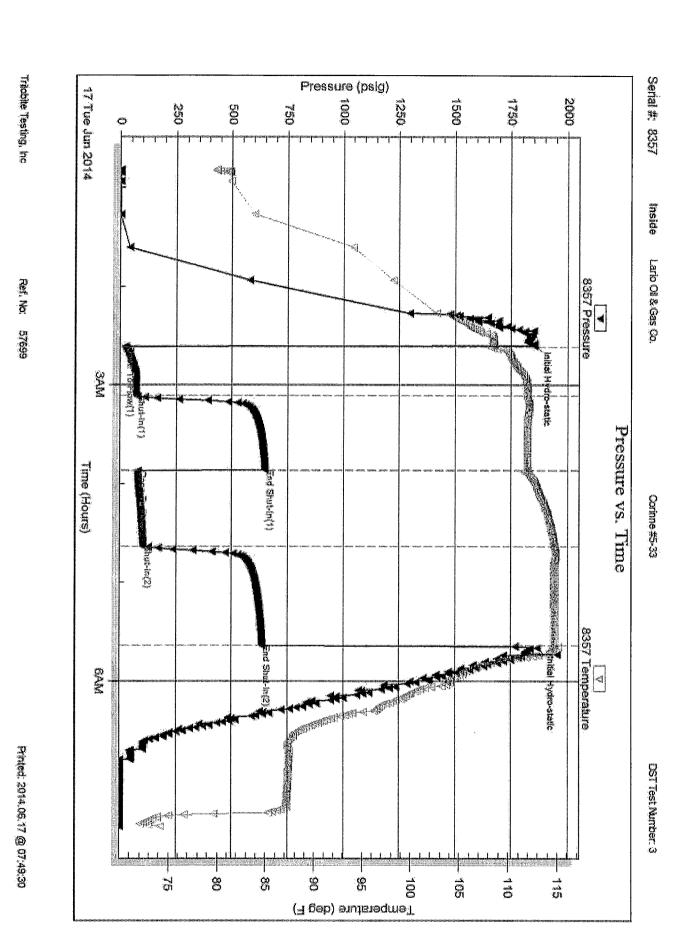
Laboratory Location:

Recovery Comments: API: 37 @ 70 Degrees F = 36.

Trilobite Testing, Inc

Ref. No: 57699

Printed: 2014.06.17 @ 07:49:30





Lario Oil & Gas Co.

301 S. Market St. Wichita, KS 67202

ATTN: Mac Armstrong

\$33-14s-32w Logan, KS

Corinne #5-33

Job Ticket: 57700

DST#:4

Test Start: 2014.06.17 @ 14:19:00

Chuck Smith

#### GENERAL INFORMATION:

Time Tool Opened: 16:35:50

Time Test Ended: 21:03:50

Formation:

Lansing 'J'

Deviated:

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Unit No:

Reference Elevations:

2729.00 ft (KB)

2724.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval:

Start Date:

Start Time:

3914.00 ft (KB) To 3942.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 3942.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Serial #: 8357 Press@RunDepth: Inside

61,38 psig @ 2014.06.17 14:19:02

End Date:

End Time:

3915.00 ft (KB)

2014.06.17 21:03:50 Capacity:

Last Calib.:

8000.00 psig

Time On Btm:

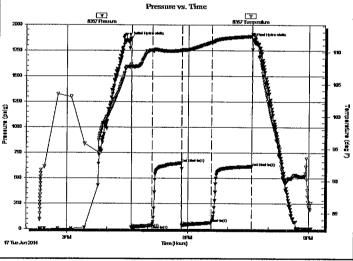
2014.06.17 2014.06.17 @ 16:34:10

Time Off Btm:

2014.06.17 @ 19:36:39

TEST COMMENT: 30-1" Blow.

45- No return. 45- 1" Blow. 60- No return.



		Р	RESSUF	RE SUMMARY
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1862.91	107.77	Initial Hydro-static
	2	15.68	107.60	Open To Flow (1)
	32	35.48	110.23	Shut-In(1)
9	77	649.53	110.22	End Shut-In(1)
78 cm	77	37.98	110.06	Open To Flow (2)
Temperature (dag F)	122	61.38	111.46	Shut-in(2)
(deg F	182	614.81	112.42	End Shut-In(2)
٠	183	1854.71	112.74	Final Hydro-static
- 1	:			

#### Recovery

Length (ft)	Description	Volume (bbl)
86.00	OSM 100m	0.42
5.00	O 100o	0.02
Recovery from n	nultiple tests	

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 57700

Printed: 2014.06.18 @ 08:33:57



**FLUID SUMMARY** 

36 deg API

ppm

Lario Oil & Gas Co.

\$33-14s-32w Logan, K\$

301 S. Market St. Wichita, KS 67202 Corinne #5-33 Job Ticket: 57700

DST#: 4

ATTN: Mac Armstrong

Test Start: 2014.06.17 @ 14:19:00

Oil API:

Water Salinity:

**Mud and Cushion Information** 

Mud Type: Gel Chem Mud Weight:

9.00 lb/gal

53.00 sec/qt

Viscosity: Water Loss:

7.20 in<sup>3</sup> Resistivity: ohm.m

Salinity: Filter Cake: 4000.00 ppm 1.00 inches Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

bbl

ft

psig

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
86.00	OSM 100m	0.423
5.00	O 100o	0.025

Total Length:

91.00 ft

Total Volume:

0.448 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

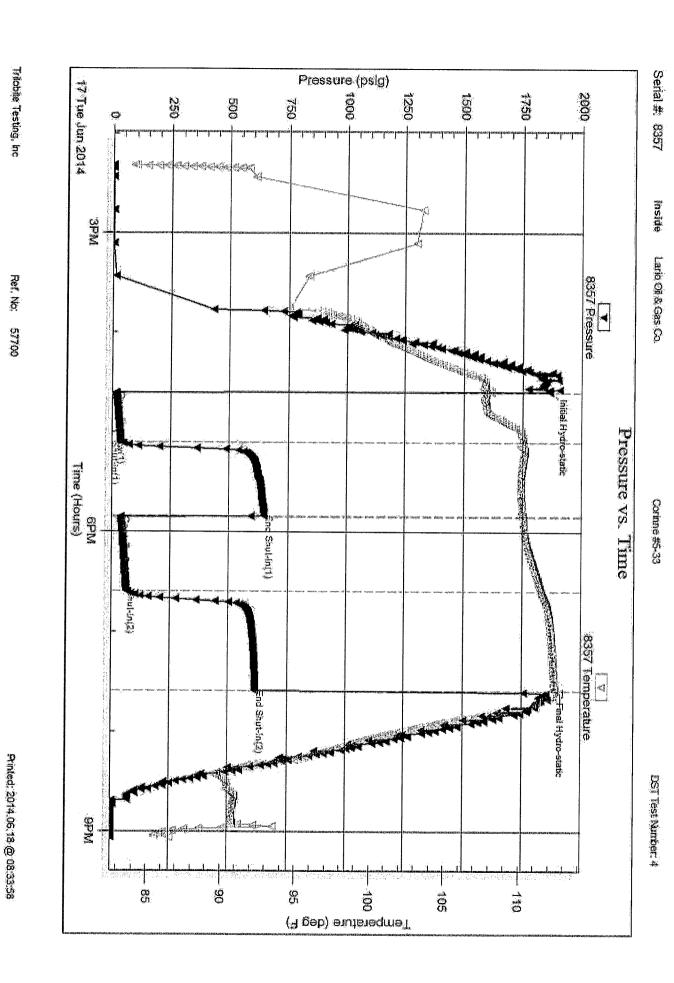
Laboratory Name:

Laboratory Location: Recovery Comments: API: 37 @ 70 Degrees F = 36.

Trilobite Testing, Inc

Ref. No: 57700

Printed: 2014.06.18 @ 08:33:58





Lario Oil & Gas Co.

301 S. Market St. Wichita, KS 67202 \$33-14s-32w Logan, KS

Corinne #5-33

Job Ticket: 57176

DST#: 5

ATTN: Mac Armstrong Test Start: 2014.06.18 @ 05:00:00

#### **GENERAL INFORMATION:**

Time Tool Opened: 06:54:50

Time Test Ended: 13:30:20

Formation:

Lansing 'K'

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Chuck Smith

Unit No:

62

Reference Hevations:

2729.00 ft (KB)

2724.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval: Total Depth:

Start Time:

Hole Diameter:

3950.00 ft (KB) To 3990.00 ft (KB) (TVD)

3990.00 ft (KB) (TVD)

Inside

7.88 inches Hole Condition: Good

Serial #: 8357

Press@RunDepth:

74.22 psig @

3954.00 ft (KB)

2014.06.18

Capacity: Last Calib.: 8000.00 psig

Time On Btm:

2014.06.18 2014.06.18 @ 06:53:00

Time Off Btm:

2014.06.18 @ 09:57:09

Start Date:

2014.06.18 05:00:02 End Date:

End Time:

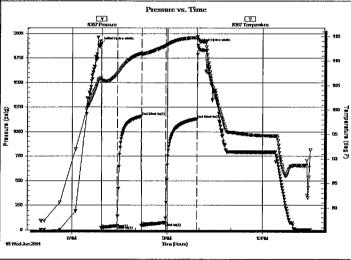
13:30:20

TEST COMMENT: 30-2" Blow.

45- No return.

45- Weak blow died @ 35 min.

60- No return.



	PRESSURE SUMMARY			
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1889.10	106.54	Initial Hydro-static
	2	19.92	105.57	Open To Flow (1)
	33	42.59	107.46	Shut-ln(1)
	78	1156.61	111.57	End Shut-In(1)
	78	46.95	111.13	Open To Flow (2)
	123	74.22	113.07	Shut-In(2)
	183	1130.76	114.76	End Shut-in(2)
	185	1875.89	114.46	Final Hydro-static
1				
				į
ı				
١				

# Recovery Description Length (ft) Volume (bbl) 125.00 OSMW 40m 60w 0.63 Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 57176

Printed: 2014.06.18 @ 14:21:29



**FLUID SUMMARY** 

Lario Oil & Gas Co.

S33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33 Job Ticket: 57176

DST#: 5

ATTN: Mac Armstrong

Test Start: 2014.06.18 @ 05:00:00

# **Mud and Cushion Information**

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity: Water Loss:

57.00 sec/qt

Resistivity: Salinity: Filter Cake:

ohm.m 4000.00 ppm

7.20 in<sup>s</sup>

1.00 inches

Cushion Type:

Cushion Length:

ft

Oil API: Water Salinity: deg API

38000 ppm

bbl

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

psig

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
125.00	OSMW 40m 60w	0.633

Total Length:

125.00 ft

Total Volume:

0.633 bbl

0

Num Fluid Samples: 0

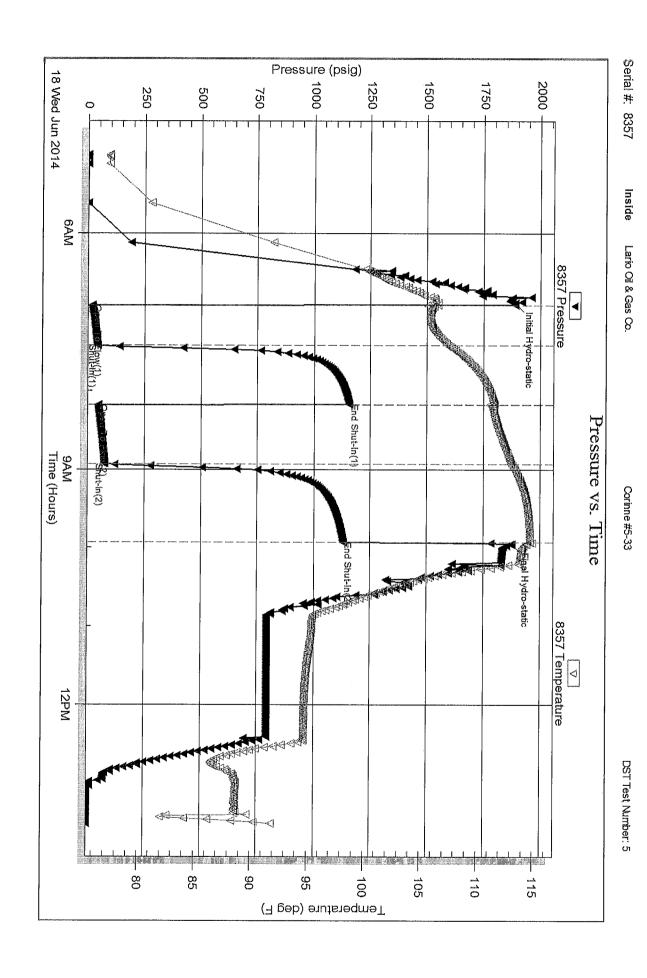
Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .160 @ 84 Degrees F = 38000 PPM



Trilobite Testing, Inc

Ref. No:

57176

Printed: 2014.06.18 @ 14:21:30



Lario Oil & Gas Co.

S33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33 Job Ticket: 57341

DST#: 6

ATTN: Mac Armstrong

Test Start: 2014.06.18 @ 20:37:00

#### **GENERAL INFORMATION:**

Formation:

Lansing " L "

ft (KB)

Deviated:

No Whipstock: Test Type: Tester:

Conventional Bottom Hole (Reset) Samuel Esparza

Time Tool Opened: 22:13:15 Time Test Ended: 03:03:30

Unit No: 71

Interval:

3988.00 ft (KB) To 4020.00 ft (KB) (TVD)

Reference Elevations:

2729.00 ft (KB)

Total Depth:

4020.00 ft (KB) (TVD)

Outside

2724.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

5.00 ft

Serial #: 8845

Press@RunDepth:

36.99 psig @

3989.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2014.06.18 20:37:05

End Date: End Time: 2014.06.19 03:03:29

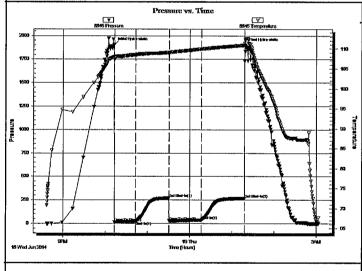
Last Calib.: Time On Btm: 2014.06.19

Time Off Btm:

2014.06.18 @ 22:13:00 2014.06.19 @ 01:19:00

TEST COMMENT: IF: 1 1/2" Blow.

ISI: No Return. FF: 2 1/2" Blow. FSI: No Return.



PRESSURE SUMMARY			
Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1906.92	108.04	Initial Hydro-static
1	13.05	107.15	Open To Flow (1)
30	22.62	108.50	Shut-In(1)
77	269.43	109.07	End Shut-In(1)
78	27.99	109.03	Open To Flow (2)
124	36.99	109.93	Shut-ln(2)
185	266.32	110.88	End Shut-In(2)
186	1898.46	112.26	Final Hydro-static
		:	
		· ·	

#### Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 10g 30m 60o	0.30
0.00	60' GIP	0.00
* Recovery from r	multiple tests	

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

Trilobite Testing, Inc Ref. No: 57341 Printed: 2014.06.20 @ 09:23:36



Lario Oil & Gas Co.

\$33-14s-32w Logan, K\$

301 S. Market St. Wichita, KS 67202 Corinne #5-33 Job Ticket: 57341

DST#: 6

**FLUID SUMMARY** 

ATTN: Mac Armstrong

Test Start: 2014.06.18 @ 20:37:00

Oil API:

#### Mud and Cushion Information

Mud Type: Gel Chem Mud Weight:

9.00 lb/gal

Viscosity: 60.00 sec/qt Water Loss: 7.99 in<sup>3</sup> Resistivity: 0.00 ohm.m

Salinity: Filter Cake: 3000.00 ppm

Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Water Salinity:

deg API ppm

1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
60.00	GMCO 10g 30m 60o	0.295
0.00	60' GIP	0.000

Total Length:

60.00 ft

Total Volume:

0.295 bbl

0

Num Fluid Samples: 0

Laboratory Name:

Recovery Comments:

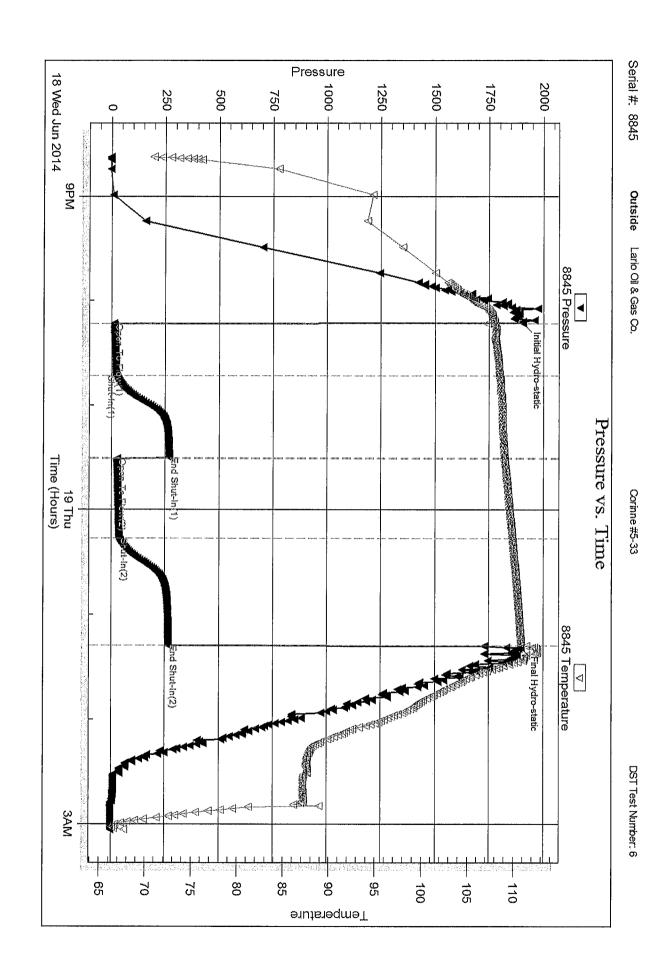
Num Gas Bombs:

Laboratory Location:

Serial #:

Trilobite Testing, Inc

Ref. No: 57341



Trilobite Testing, Inc

Ref. No:

57341



Lario Oil & Gas Co.

S33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33 Job Ticket: 57342

**DST#:7** 

ATTN: Mac Armstrong

Test Start: 2014.06.19 @ 13:30:00

GENERAL INFORMATION:

Formation: Deviated:

Interval:

Pleasanton-Marmaton

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester: Unit No: Samuel Esparza 71

Time Tool Opened: 15:32:45 Time Test Ended: 20:20:00

4040.00 ft (KB) To 4096.00 ft (KB) (TVD)

Reference Elevations:

2729.00 ft (KB)

2724.00 ft (CF)

Total Depth: Hole Diameter: 4096.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

KB to GR/CF:

5.00 ft

Serial #: 8845

Press@RunDepth:

Inside

58.58 psig @

4041.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2014.06.19 13:30:05

End Date: End Time: 2014.06.19 20:19:59 Last Calib.: Time On Btm: 2014.06.19

Time Off Btm:

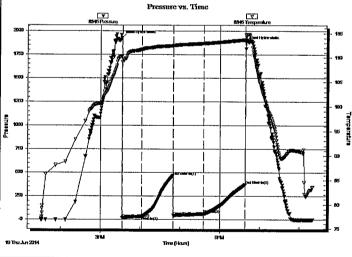
2014.06.19 @ 15:32:30 2014.06.19 @ 18:39:45

TEST COMMENT: IF: Weak Surface Blow.

ISI: No Return.

FF: 1/2" Blow Died back to a Weak Surface Blow.

FSI: No Return.



	PRESSURE SUMMARY				
Ī	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	1928.94	110.23	Initial Hydro-static	
	1	13.37	109.16	Open To Flow (1)	
	30	32.57	111.66	Shut-ln(1)	
i	77	466.34	112.42	End Shut-In(1)	
<b>:</b>	78	42.81	112.45	Open To Flow (2)	
	124	58.58	112.89	Shut-ln(2)	
3	187	372.64	113.66	End Shut-In(2)	
	188	1872.32	114.21	Final Hydro-static	
1					
ı					
- 1					

# Recovery Length (ft) Description Volume (bbl) 90.00 OCM 40o 60m 0.44 Recovery from multiple tests

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

Gas Rates

Trilobite Testing, Inc

Ref. No: 57342



Lario Oil & Gas Co.

\$33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33 Job Ticket: 57342

DST#: 7

ATTN: Mac Armstrong

Test Start: 2014.06.19 @ 13:30:00

GENERAL INFORMATION:

Time Tool Opened: 15:32:45

Time Test Ended: 20:20:00

Formation:

Pleasanton-Marmaton

Deviated:

Interval:

Whipstock: No

ft (KB)

Test Type:

Conventional Bottom Hole (Reset)

Tester:

Samuel Esparza

Unit No:

71

4040.00 ft (KB) To 4096.00 ft (KB) (TVD)

Total Depth:

4096.00 ft (KB) (TVD)

Reference Elevations:

2729.00 ft (KB)

2724.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

5.00 ft

Serial #: 6772

Outside Press@RunDepth:

psig @

4041.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2014.06.19

End Date:

2014.06.19

Last Calib.: Time On Btm: 2014.06.19

Start Time:

13:30:05

End Time:

20:20:14

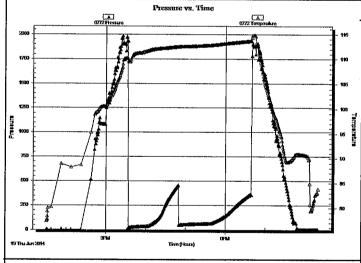
Time Off Btm:

TEST COMMENT: IF: Weak Surface Blow.

ISI: No Return.

FF: 1/2" Blow Died back to a Weak Surface Blow.

FSI: No Return.



	PRESSURE SUMMARY				
•	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	•				

#### Recovery

Length (ft)	Description	Volume (bbl)
90.00	OCM 40o 60m	0.44
* Recovery from n	nultiple tests	

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

Trilobite Testing, Inc.

Ref. No: 57342



FLUID SUMMARY

Lario Oil & Gas Co.

S33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33

Job Ticket: 57342

DST#: 7

ATTN: Mac Armstrong

Test Start: 2014.06.19 @ 13:30:00

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type: Cushion Length: Oil API:

deg API

Mud Weight: Viscosity:

55.00 sec/qt

Cushion Volume:

Water Salinity:

ppm

Water Loss:

8.79 in<sup>3</sup>

Gas Cushion Type: Gas Cushion Pressure:

psig

bbl

ft

Resistivity:

0.00 ohm.m 5000.00 ppm

Salinity: Filter Cake:

1.00 inches

# **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
90.00	OCM 40o 60m	0.443

Total Length:

90.00 ft

Total Volume:

0.443 bbl

0

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

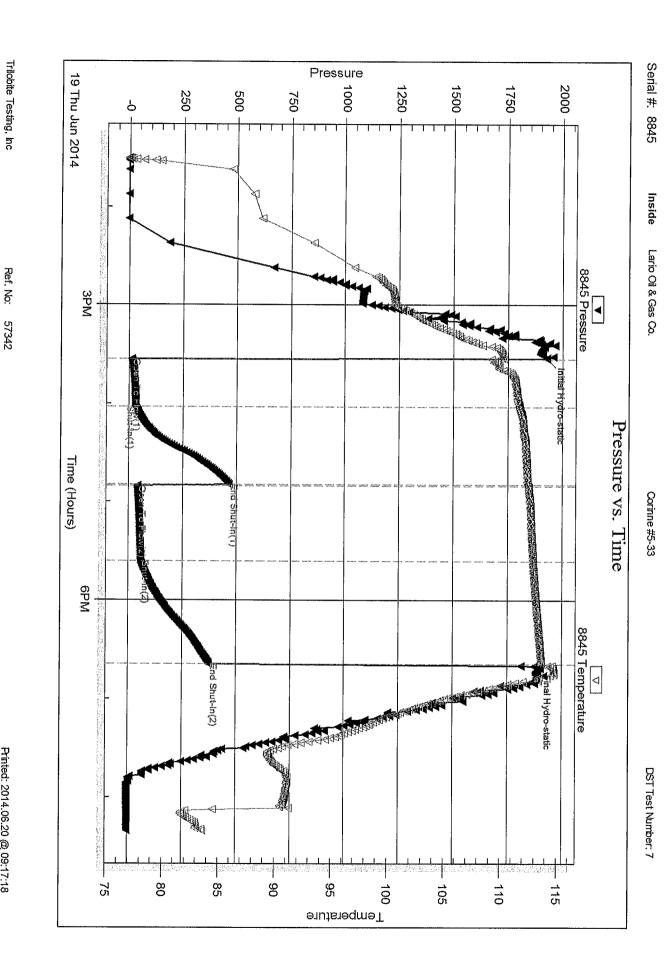
Laboratory Name:

Laboratory Location:

Recovery Comments:

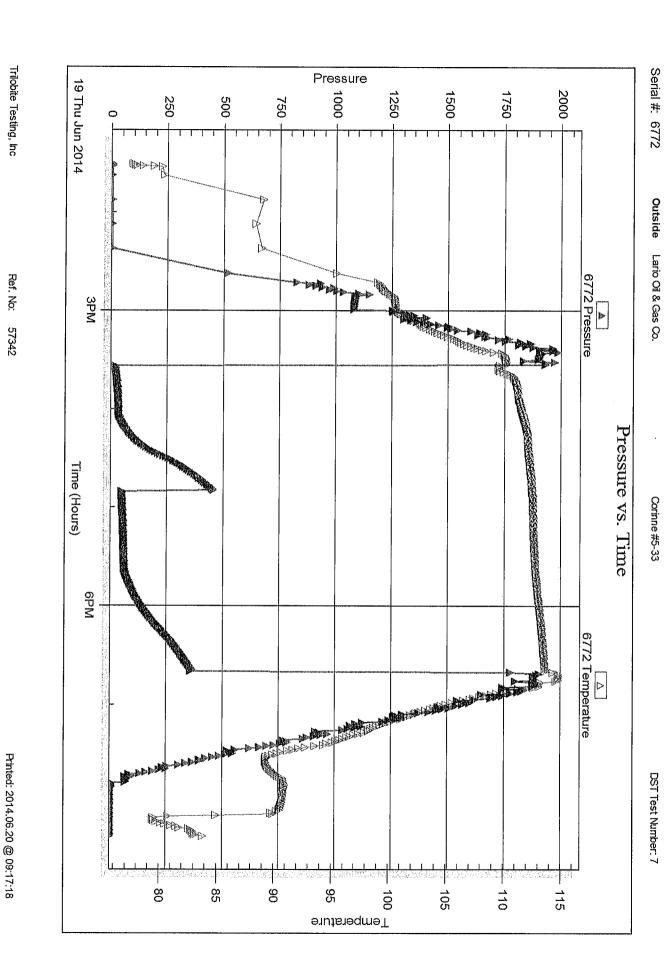
Trilobite Testing, Inc

Ref. No: 57342



Ref. No:

57342



# **Jay G Schweikert**

From:

curtis keil <cdklario@pld.com>

Sent:

Friday, June 20, 2014 10:22 AM

To:

Jay G Schweikert

Cc: Subject: Larry Karlin Pumping Units

Jay

We have a 114-143-54 pumping Unit at Farley machine that is about ready to go out I have contacted Reinert Oilfield services to haul it to our yard next week. I have purchased 2 more 114 pumping Units from Harrelson Equipment for 22,000 with 28' wide bases to be ready 2<sup>nd</sup> or 3<sup>rd</sup> week in July. If you have any questions please call me.

Curtis Keil Lario Oil & Gas Co. WKD Cell 620-805-1302 Office 620-277-2149 Fax 620-277-2787



Lario Oil & Gas Co.

\$33-14s-32w Logan, K\$

301 S. Market St. Wichita, KS 67202 Corinne #5-33

Job Ticket: 57343

DST#: 8

ATTN: Mac Armstrong

Test Start: 2014.06.20 @ 05:58:00

GENERAL INFORMATION:

Formation: Deviated:

Marmaton "C"

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Samuel Esparza

Unit No:

4120.00 ft (KB) To 4152.00 ft (KB) (TVD)

Interval: Total Depth:

4152.00 ft (KB) (TVD)

Hole Diameter:

Time Tool Opened: 07:24:30

Time Test Ended: 13:05:45

7.88 inches Hole Condition: Good

Reference ⊟evations:

2729.00 ft (KB)

2724.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 8845 Press@RunDepth: Outside

164.99 psig @

4121.00 ft (KB)

2014.06.20

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time: 2014.06.20 05:58:05 End Date: End Time:

13:05:44

Time On Btm:

2014.06.20

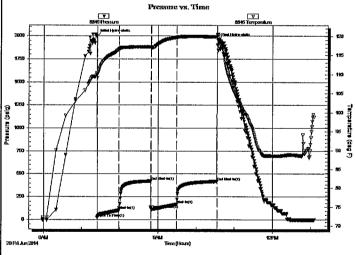
Time Off Btm:

2014.06.20 @ 07:24:15

2014.06.20 @ 10:33:15

TEST COMMENT: IF: BOB @ 6 1/2 min.

ISI: 5 1/2 " Return. FF: BOB @ 2 1/2 min. FSI: BOB Return @ 40 min.



	PRESSURE SUMMARY				
	Time	Pressure	Temp	Annotation	
<b>'</b>	(Min.)	(psig)	(deg F)		
5	0	1995.83	110.35	Initial Hydro-static	
,	1	21.45	109.11	Open To Flow (1)	
.	35	101.84	116.58	Shut-ln(1)	
ر ٰ	85	421.79	117.23	End Shut-In(1)	
· #	85	114.74	117.15	Open To Flow (2)	
Temperature (dag F)	125	164.99	119.73	Shut-In(2)	
Gab)	189	416.85	119.84	End Shut-In(2)	
٦	189	1954.39	120.41	Final Hydro-static	
- 1					

#### Recovery

-	Length (ft)	Description	Volume (bbl)			
	120.00	GOCM 25g 30o 45m	0.59			
[	270.00	GO 35g 65o	3.76			
	0.00 1680' GIP		0.00			
		·				
•	* Recovery from multiple tests					

Gas Rat	es	
Chake (inches)	Propeuro (peig)	Gos Poto /

Printed: 2014.06.20 @ 13:23:10

Trilobite Testing, Inc

Ref. No: 57343



**FLUID SUMMARY** 

Lario Oil & Gas Co.

\$33-14s-32w Logan, K\$

301 S. Market St. Wichita, KS 67202 Corinne #5-33

Job Ticket: 57343

DST#: 8

ATTN: Mac Armstrong

Test Start: 2014.06.20 @ 05:58:00

**Mud and Cushion Information** 

Mud Type: Gel Chem

Cushion Type:

Oil API:

Water Salinity:

31 deg API

Mud Weight:

9.00 lb/gal

Cushion Length:

ft

ppm

Viscosity:

53.00 sec/qt

Cushion Volume:

bbl

Water Loss:

8.79 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity:

0.00 ohm.m 5000.00 ppm

Salinity: Filter Cake:

1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
120.00	GOCM 25g 30o 45m	0.590
270.00	GO 35g 65o	3.760
0.00	1680' GIP	0.000

Total Length:

Total Volume:

4.350 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial#:

Laboratory Name:

Laboratory Location:

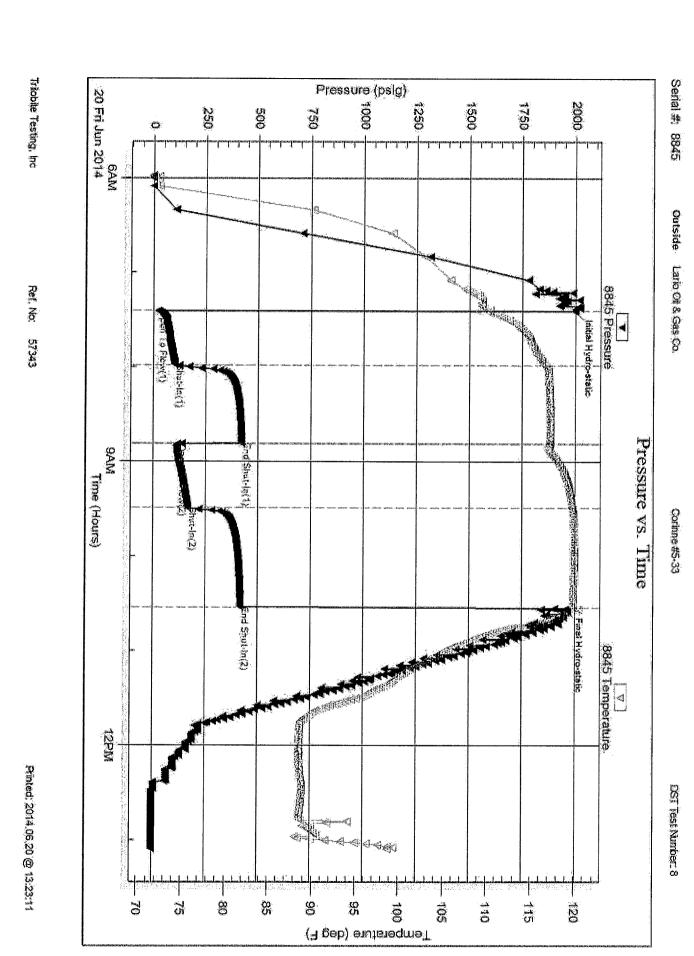
390.00 ft

Recovery Comments: Gravity: 34 @ 90 degrees= 31 deg API

Trilobite Testing, Inc

Ref. No: 57343

Printed: 2014.06.20 @ 13:23:10





Lario Oil & Gas Co.

\$33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33 Job Ticket: 57344

DST#: 9

ATTN: Mac Armstrong

Test Start: 2014.06.21 @ 07:16:00

**GENERAL INFORMATION:** 

Formation:

Johnson

Deviated:

No Whipstock: ft (KB)

Test Type:

Conventional Bottom Hole (Reset)

Tester: Unit No: Samuel Esparza 71

Time Tool Opened: 09:13:30 Time Test Ended: 12:04:00

Interval:

4249.00 ft (KB) To 4300.00 ft (KB) (TVD)

Reference Elevations:

2729.00 ft (KB)

2724.00 ft (CF)

Total Depth:

4300.00 ft (KB) (TVD)

KB to GR/CF:

5.00 ft

Hole Diameter:

7.88 inches Hole Condition: Good

Serial #: 6772 Press@RunDepth: Outside

psig @

4250.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2014.06.21

End Date:

2014.06.21

Last Calib.: Time On Btm: 2014.06.21

Start Time:

07:16:05

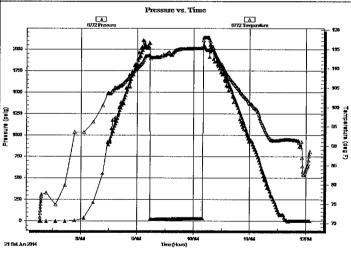
End Time:

12:04:14

Time Off Btm:

TEST COMMENT: IF: Weak Surface Blow died @ 14 min.

Pulled Test could not set slips tried pipe and collar slips had no other choice but to come out.



	PRESSURE SUMMARY				
-	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	
The Court of the C					

#### Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud ( Oil Spots ) 100 m	0.05
* Recovery from r	nultiple tests	

Gas	Rates
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Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

Ref. No: 57344

Printed: 2014.06.21 @ 15:41:17



**FLUID SUMMARY** 

Lario Oil & Gas Co.

\$33-14s-32w Logan, K\$

301 S. Market St. Wichita, KS 67202 Corinne #5-33 Job Ticket: 57344

DST#: 9

ATTN: Mac Armstrong

Test Start: 2014.06.21 @ 07:16:00

#### Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type: Cushion Length: Oil API:

deg APi

Mud Weight: Viscosity:

57.00 sec/qt

Cushion Volume:

Water Salinity:

ppm

Water Loss:

7.60 in<sup>3</sup>

Gas Cushion Type:

ft bbl

Resistivity:

0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: Filter Cake: 4500.00 ppm 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
10.00	Mud ( Oil Spots ) 100 m	0.049

Total Length:

10.00 ft

Total Volume:

0.049 bbl

0

Num Fluid Samples: 0

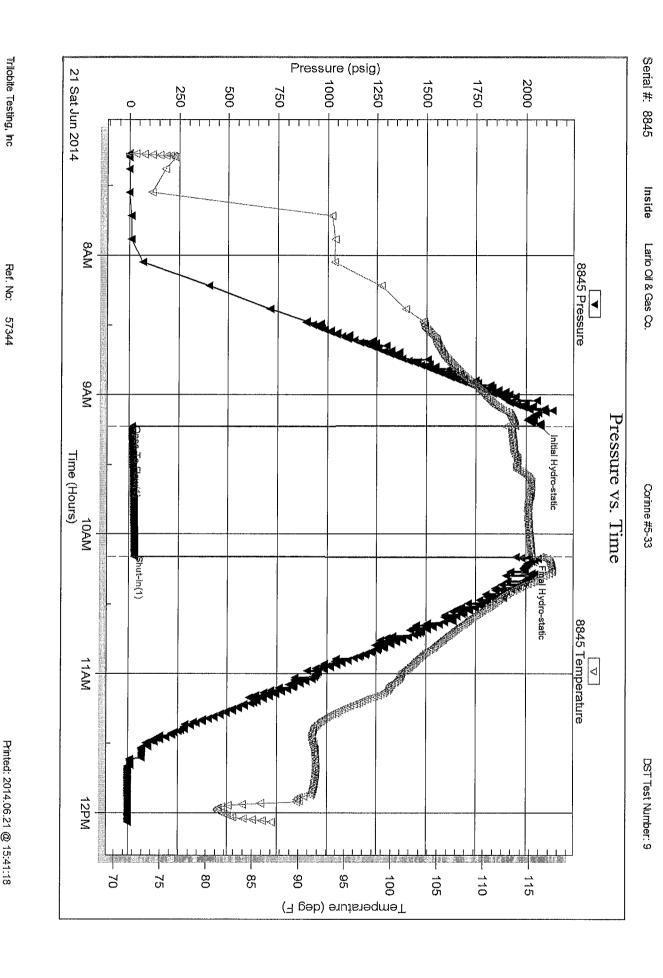
Num Gas Bombs:

Serial #:

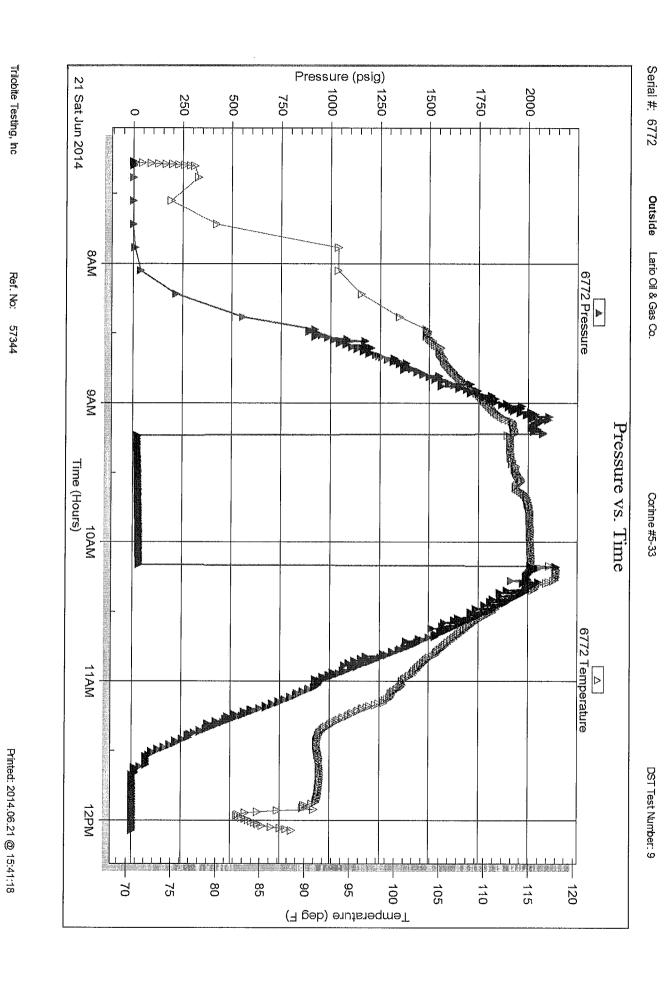
Laboratory Name:

Laboratory Location:

Recovery Comments:



Printed: 2014.06.21 @ 15:41:18





Lario Oil & Gas Co.

S33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33 Job Ticket: 57345

DST#: 10

ATTN: Mac Armstrong

Test Start: 2014.06.21 @ 20:10:00

GENERAL INFORMATION:

Time Tool Opened: 21:40:45

Time Test Ended: 02:54:45

Formation:

Basal Penn

Deviated:

Whipstock: No

ft (KB)

Test Type: Conventional Bottom Hole (Reset) Tester: Samuel Esparza

Unit No: 71

Reference Elevations:

2729.00 ft (KB)

2724.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval: Total Depth: 4302.00 ft (KB) To 4346.00 ft (KB) (TVD)

4346.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Serial #: 8845

Press@RunDepth:

Start Date:

Start Time:

Hole Diameter:

Inside

68.33 psig @ 2014.06.21

20:10:05

4303.00 ft (KB) End Date:

End Time:

2014.06.22 02:54:44 Capacity:

8000.00 psig

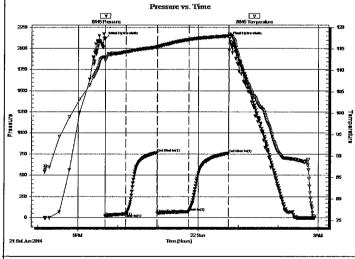
Last Calib.: 2014.06.22 Time On Btm: 2014.06.21 @ 21:40:30

Time Off Btm:

2014.06.22 @ 00:46:30

TEST COMMENT: IF: 2" Blow.

ISI: No Return. FF: 4" Blow. FSI: No Return.



	PRESSURE SUMMARY				
1	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	2114.35	113.01	Initial Hydro-static	
	1	16.69	112.22	Open To Flow (1)	
	32	44.11	114.30	Shut-In(1)	
	78	766.68	115.40	End Shut-In(1)	
ı	79	51.55	115.51	Open To Flow (2)	
	125	68.33	117.14	Shut-In(2)	
	185	759.38	118.01	End Shut-In(2)	
	186	2112.12	118.46	Final Hydro-static	
ĺ					

# Recovery Length (ft) Description Volume (bbl) 135.00 OCM 40o 60m 0.77 Recovery from multiple tests

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

Trilobite Testing, Inc

Ref. No: 57345

Printed: 2014.06.22 @ 04:45:49



**FLUID SUMMARY** 

Lario Oil & Gas Co.

\$33-14s-32w Logan, KS

301 S. Market St. Wichita, KS 67202 Corinne #5-33 Job Ticket: 57345

ft

bbl

psig

DST#: 10

ATTN: Mac Armstrong

Test Start: 2014.06.21 @ 20:10:00

#### **Mud and Cushion Information**

Mud Type: Gel Chem Mud Weight:

9.00 lb/gal

50.00 sec/qt

Viscosity: Water Loss: Resistivity:

7.20 in<sup>3</sup> 0.00 ohm.m

Salinity: Filter Cake: 3500.00 ppm 1.00 inches Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

**Recovery Information** 

#### Recovery Table

Length ft	Description	Volume bbl
135.00	OCM 40o 60m	0.773

Total Length:

135.00 ft

Total Volume:

0.773 bbl

Num Fluid Samples: 0

Num Gas Bombs: Laboratory Location:

0

Serial #:

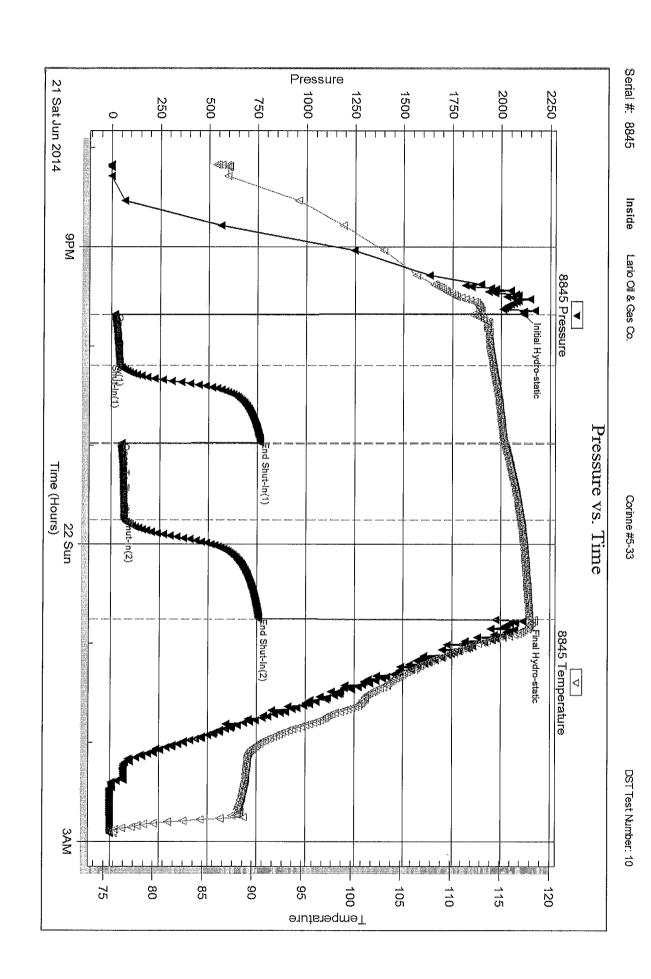
Laboratory Name:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 57345

Printed: 2014.06.22 @ 04:45:50



Trilobite Testing, Inc

Ref. No:

57345

Printed: 2014.06.22 @ 04:45:50