

Confidentiality Requested:

Yes No

#### Kansas Corporation Commission Oil & Gas Conservation Division

1210013

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:			Sec	TwpS. R	East West		
Address 2:			F6	eet from North /	South Line of Section		
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section		
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:		
Phone: ()			□ NE □ NW	V □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 #:				
	e-Entry	Workover	Field Name:  Producing Formation:				
	_						
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:	:		
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:		
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet		
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No		
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet		
Operator:			If Alternate II completion, c	cement circulated from:			
Well Name:			feet depth to:	w/	sx cmt.		
Original Comp. Date:							
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan			
☐ Plug Back	Conv. to G		(Data must be collected from the				
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls		
Dual Completion			Dewatering method used:				
SWD			Location of fluid disposal if	hauled offsite			
☐ ENHR			1				
GSW	Permit #:		Operator Name:				
_ <del>_</del>			Lease Name:	License #:_			
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	TwpS. R	East _ West		
Recompletion Date		Recompletion Date	County:	Permit #:			

#### **AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

**Submitted Electronically** 

KCC Office Use ONLY					
Confidentiality Requested					
Date:					
Confidential Release Date:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Eures, whether shut-in predict final chart(s). Attach	essure reached stati	c level, hydrosta	atic pressures, bott		
		otain Geophysical Data a or newer AND an image		gs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taker (Attach Additional S		Yes No		_	on (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run							
List All E. Logs Run:							
		CASING	RECORD Ne	ew Used			
		Report all strings set-	conductor, surface, inte	ermediate, product	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
	Donth		. CEMENTING / SQL	JEEZE RECORD			
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
	ulic fracturing treatment o	n this well?		Yes	No (If No, ski	p questions 2 aı	nd 3)
Does the volume of the to	otal base fluid of the hydr	aulic fracturing treatment ex submitted to the chemical	_	= :	No (If No, ski	p questions 2 at p question 3) out Page Three	
Shots Per Foot	PERFORATION Specify For	N RECORD - Bridge Plug ootage of Each Interval Per	s Set/Type forated		cture, Shot, Cement mount and Kind of Ma		d 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	bbls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	Open Hole		Comp. Con	mmingled	PRODUCTIO	ON INTERVAL:
(If vented, Sul	bmit ACO-18.)	Other (Specify)	(Submit )	400-5) (Sub	omit ACO-4)		

Form	ACO1 - Well Completion			
Operator	Lario Oil & Gas Company			
Well Name	Zellner 2-33			
Doc ID	1210013			

## All Electric Logs Run

MAI/MFE	
MPD/MDN	
MSS	
MML	
MPD	

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Zellner 2-33
Doc ID	1210013

## Tops

Name	Тор	Datum
Heebner	4020	-813
Lansing	4066	-859
Stark Shale	4353	-1146
Hushpuckney	4404	-1197
Base KC	4480	-1273
Marmaton	4514	-1307
Pawnee	4605	-1398
Ft. Scott	4630	-1423
Johnson	4734	-1527
Morrow	4814	-1607
Basal Penn	4916	-1709
Mississippi	4923	-1716

Form	ACO1 - Well Completion			
Operator	Lario Oil & Gas Company			
Well Name	Zellner 2-33			
Doc ID	1210013			

### 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	24	372	Common		3% cc, 2% gel
production	7.875	5.5	14	5072	OWC	220	5# Kolseal
DV tool	7.875	5.5	14	2458	60/40 POZ	415	8% gel, 1/4# flo seal



#### REMIT 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 # 268805 INVOICE Invoice Date: 06/13/2014 Terms: 15/15/30, n/30 Page drilling AFE14 (ZELLNER 2-33) LARIO OIL & GAS 46926 P.O. BOX 1093 33-17S-35W GARDEN CITY KS 67846 06-11-2014 (316) 265-5611 KS \_\_\_\_\_\_\_ Hours Unit Price Total Description 1150.00 1150.00 CEMENT PUMP (SURFACE) 1.00 45.00 236.25 EQUIPMENT MILEAGE (ONE WAY) 5.25 Qty Unit Price Total Description Part Number CALCIUM CHLORIDE (50#) 677.00 .9400 636.38 1102 CLASS "A" CEMENT (SALE) 240.00 18.5500 4452.00 1104S .2700 PREMIUM GEL / BENTONITE 451.00 121.77 1118B 1.00 100.7500 100.75 8 5/8" WOODEN PLUG 4432 Total Sublet Performed Description -796.64 CEMENT MATERIAL DISCOUNT 9996-130 CEMENT EQUIPMENT DISCOUNT -341.45 9995-130 Hours Unit Price Total Description 1.00 890.10 693 TON MILEAGE DELIVERY 890.10

Amount Due 8020.09 if paid after 07/13/2014

\_\_\_\_\_\_\_ .00 Tax: 367.91 AR 6817.07 5310.90 Freight: Parts:

\_\_\_\_\_\_

Labor:

.00 Total:

6817.07

.00 Misc:

-1138.09 Supplies:

.00 Change:

.00

Signed

Date

BARTLESVILLE, OK 918/338-0808

EL DORADO, KS 316/322-7022

EUREKA, KS 620/583-7664

PONCA CITY, OK 580/762-2303

OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044

THAYER, KS 620/839-5269

GILLETTE, WY 307/686-4914

CUSHING, OK 918/225-2650



268805

TICKET NUMBER LOCATION\_\_\_ FOREMAN >

PO Box 884, Chanute, KS 66720	FIELD TICKET	& TREATME
520-431-9210 or 800-467-8676		OESIELIT

	CUSTOMER# W	ELL NAME & NUM	CEMEN BER	SECTION	T		
6-11-14	4793 Zeln			<del></del>	TOWNSHIP	RANGE	COUN
CUSTOMER	1	6.33	wandow Vs	33	175	358	N Witch
1AV IVO 45555	-ario Oil + G	زج	Wordzz	TRUCK#	DRIVER		
AILING ADDRE	SS		3/2N	73/	†	TRUCK	# DRIVE
			Wish	613	Logal R		
ITY	STATE	ZIP CODE	W I'I'D	U.J.	Stevenc	)	
		•	ļ				
OB TYPE Sa	CTOCK HOLE SIZE	17 8/11					
ASING DEPTH_			HOLE DEPTH	379	CASING SIZE &	WEIGHT_	70 25 th
LURRY WEIGHT	4/ ~	*	TUBING			OTHER_	
SPLACEMENT_			WATER gal/s	k	CEMENT LEFT!	n CASING	201
	<u> </u>		MIX PSI		RATE		
	Efety andrizus	an Dulla	dadli	a Rich &	6 C2	11.	
him 240	SUS Class A Cer	nent with	6 78			late ca	
obus des	okce 22 /2 bb/s	Loster St	ust in		89-11 50	14 t down	Roles
36115 A	boit	mance 9"	My In	Coment	d:of	_ circ	whate
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					-		
						hanks	Thiks
ACCOUNT	QUANITY or UNITS						+Com
CODE	MOMBILL OF ONLIS	DESC	CRIPTION of S	ERVICES or PROL	DUCT	UNIT PRICE	
90/3		PUMP CHARGE					
	45	PUMP CHARGE				1/50 0	118.0
5406	45 112 To	MILEAGE					118.0
5406 5407A	11.3 Tons	MILEAGE Tap Ma	loase of	elivery		1/50 °	118.0
5406 5407A 102	1/13 Tons	MILEAGE		elivery		1/50 ° 5.25 1.75	1/D. = 236.2 890.11
5406 5407A 102 1045	11.3 Tons 677 H 240 Shs	MILEAGE Tap Ma	Chla	roti		1/50 ° 5.25 1.75 194	110. ° 236. 2 8.90. 1 1 436. 3
5406 5407A 102 1045 1118B	1/13 Tons	MILEAGE Tan Mil Colcium Class H	Chlar 1 (pme	roti		1/50 ° 5.25 1.75	112. ° 236. 2 890. 11 136. 3 440. °
5406 5407A 102 1045 1118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194	110. ° 236. 2 8.90. 1 1 436. 3
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	Chlar 1 (pme	roti		1/50 ° 5.25 1.75 194 1.55	1/2. 2 236. 2 890. 11 1/36. 3 1/40. 4
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194	112. ° 236. 2 890. 11 136. 3 440. °
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194 1.55	1/2. 2 236. 2 890. 11 1/36. 3 1/40. 4
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194 1.55	1/2. 2 236. 2 890. 11 1/36. 3 1/40. 4
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194 1.55	1/2. 2 236. 2 890. 11 1/36. 3 1/40. 4
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194 1.55	1/2. 2 236. 2 890. 11 1/36. 3 1/40. 4
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194 1.55	1/2. 2 236. 2 890. 11 1/36. 3 1/40. 4
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194 1.55	1/2. 2 236. 2 890. 11 1/36. 3 1/40. 4
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194 1.55	1/2. 2 236. 2 890. 11 1/36. 3 1/40. 4
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194 1.55	1/2. 2 236. 2 890. 11 1/36. 3 1/40. 4
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194 1.55	1/2. 2 236. 2 890. 11 1/36. 3 1/40. 4
5406 5407A 02 045 118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	rots at		1/50 ° 5.25 1.75 194 1.55	1/2. 2 236. 2 890. 1 1/36. 3 1/450. 4 121. 77 110. 75
5406 5407A 102 1045 1118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	Olug		1/50 ° 5.25 1.75 194 N.55 127 100.75	1/50. 2 236. 2 890. 1 1/36. 3 1/450. 4 121. 77 110. 75
5406 5407A 102 1045 1118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	Olug		1/50 ° 5.25 1.75 194 N.55 127 100.75	1/8. 6 236. 2 890. 1 1/36. 3 1/40, 5 121. 77 10. 75
5406 5407A 102 1045 1118B	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	Olug		1/50 ° 5.25 1.75 194 N.55 127 100.75	1/50. 2 236. 2 890. 1 1/36. 3 1/450. 4 121. 77 110. 75
140 IS S406 S407A 102 1045 1118B 14432	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	Olug		1/50 ° 5.25 1.75 194 N.55 127 100.75	1/2. 2 236. 2 890. 1 1/36. 3 1/450. 5 1/21. 77 10. 75 7587. 25 1/38. 99 6448. 16
5406 5407A 102 1045 1115B 11432	11.3 Tons 677 H 240 Shs	MILEAGE Tan Mil Colorum Class K Benton	te gel	Olug		1/50 4 5.25 1.75 194 1.55 127 100.75	1/8. 6 236. 2 890. 1 1/36. 3 1/40, 5 121. 77 10. 75

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.



#### RENHT 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

268984 Invoice # INVOICE Invoice Date: 06/24/2014 Terms: 15/15/30,n/30 Page ZELLNER 2-33) LARIO OIL & GAS 46974 drilling / longstring P.O. BOX 1093 33-17-35 GARDEN CITY KS 67846 AFE 14 127 06-22-2014 (316) 265-5611 6-26-14 LK KS Hours Unit Price Total Description 3175.00 1.00 3175.00 SINGLE PUMP 40.00 5.25 210.00 EOUIPMENT MILEAGE (ONE WAY) Qty Unit Price Total Description Part Number 5214.00 220.00 23.7000 OIL WELL CEMENT 1126 616.00 1100.00 .5600 KOL SEAL (50# BAG) 1110A 15.8600 6344.00 400.00 60/40 POZ MIX 1131 PREMIUM GEL / BENTONITE 2752.00 .2700 743.04 1118B 2.9700 297.00 100.00 FLO-SEAL (25#) 1107 1.0000 500.00 500.00 MUD FLUSH (SALE) 1144G 433.7500 1.00 433.75 FLOAT SHOE AFU 5 1/2" 4159 1.00 567.0000 567.00 5 1/2" LATCH DOWN PLUG 4454 976.00 16.00 61.0000 CENTRALIZER 5 1/2" 4130 290.0000 290.00 CEMENT BASKET 5 1/2" 1.00 4104 DV TOOL W/ LATCH DOWN 1.00 4900.0000 4900.00 4283 Total Sublet Performed Description -3132.12 CEMENT MATERIAL DISCOUNT 9996-130 -796.95CEMENT EQUIPMENT DISCOUN 9995-130 Hours Unit Price Total Description 964.00 1.00 964.00 TON MILEAGE DELIVERY 530 964.00 964.00 1.00 TON MILEAGE DELIVERY 693 Amount Due 27895.58 if paid after 07/24/2014 .00 Tax: 1446.52 AR 23711.24 20880.79 Freight: Parts: .00 Total: 23711.24 .00 Misc: Labor: .00 Change: -3929.07 Supplies: 

BARTLESVILLE, OK 918/338-0808

Signed

EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269

Date

GILLETTE, WY 307/686-4914 CUSHING, OK 918/225-2650



268984

TICKET NUMBER	46974
LOCATION Oakl	ay K.
FOREMAN Da.	<i>*</i>

'O Box 884, Ch	nanute, KS 6672	20 FIEL	D TICKE	T & TREA	TMENT REF	PORT	mile	2.5
20-431-9210 o	or 800-467-8676			CEMEN				Ks.
DATE	CUSTOMER#		NAME & NUM		SECTION	TOWNSHIP	RANGE	COUNTY
6/22/14	4793	Ze//ne	<u>, 2-3.</u>		33	17	35	Wichtha
CUSTOMER'	0:1+695			MODOR	TRUCK#	DRIVER	TRUCK#	DRIVER
VAILING ADDRE	ss			WTO Rd		Coru	7.1.	
				Winto	693	Ver		
CITY		STATE	ZIP CODE		<i>53</i> 0	Coclu		
OB TYPE Pr	od 2-stage	HOLE SIZE	7 7/8	_ HOLE DEPTH	5071	CASING SIZE & V	VEIGHT_5%	,14#
ASING DEPTH_	5071 °	DRILL PIPE		_TUBING				Gol 2458
LURRY WEIGH	T14= 125	SLURRY VOL		WATER gal/s	k	CEMENT LEFT In	CASING Shoe	Joint 20'
	123 24, 59.9			MIX PSI		RATE	· · · · · · · · · · · · · · · · · · ·	
	ifty Meet	ina Riauc	on Du	ke by Ri	en Casing	+ Float Egg	upment !	Centralize
120 117 "	114 # 111 #1	08 105	102 = 99	#96 79:	3 *90 #8	7 # 84 # 8	1 460 \$5	7 Basket
DU TOOl #	58 Top of	Circula	te 1/2 hr:	s. Pump 5	66L water 1	nix mud Flus	A Pump 5 W	ater mix 2
SKS OWC	5"Kolsea	/ Wishup	Rumo + Li	nes Relea	se plug D	Splace Dow	<u>1 with 70 k</u>	be water +
4 %bh.L. mu	d Land 1	SOO" LIFT	800 # D	rop Open	ing tool a	nen @ 900	# Circula	te 3 hrs.
lua Rath	ok 305Ks	*140 8%	Gel /4 1	Loseal 1	n/4 Sk	s Down Cas	ing Was	hup Pum
Lines Di	solace Plu	g Down W	1+1 59.9	77 BBC 6	vater La	nd @ 1400	5" Lift o	600° #
loat Did	Hold Co	ment Di	d Circ	ulate				
Approx 50	5 bblto Pit							
		T T		The	anko kt	ruen + Co	en	
ACCOUNT CODE	QUANITY	or UNITS	DE	SCRIPTION of	SERVICES or PR	ODUCT	UNIT PRICE	TOTAL
5401 C	1		PUMP CHARG	E			3125,€	317500
5406	40		MILEAGE				\$ 523	210 00 1
5407 A	27.54	(	Ton Mi	leage De	livery		0 1.75	1928 03
1126	220 sk	's	OWC	7		,	23.70	5214.00
1110 A	11.00	,	Ko/sea/				8 <u>56</u>	6/6 00
//31	400 SI	<	6% Poz	mix			15 .86	6374:09
HISB	2752 **		Benton	ite			27	8 743.04
//07	100		Floseal				8 2 97	\$ 297.ºº
			- T. T. H E BA					
1140 6	5/3∕ገ ⇔	a 1 1	mud El			······································	7,00	500 ,20
1144G	<i>5ბ</i> იჭ ′	<u>a l</u>	Mud Fl	ush	(ω)	5%	<u> </u>	000,
4159	<u> </u>	41	Afu Fle	ush sat Shoe		5/2 (w)	\$ 1,00 \$ 433.75 \$ 567.00	*433 ,75
4159 445 <i>4</i>		<b>4</b> 1	AFU Fle 5/2 Lat	ush oat Shoe ch Down	Plug Ass Y.	ωs	₹433. <u>?5</u> ₹567.99	000,
4159 445 <i>4</i> 4130	500g:           	<b>4</b>	AFU Flo 51/2 Lat 51/2 Cer	ush pat Shoe ch Down stralizer	Plug Ass V. -s (w)	ws	₹433.75 ₹567,00 ₹61.00	*433 ,75 *567,99 *976.99
4159 4454 4130 4104		41	AFU Flo 5/2 Lat 5/2 Cer 5/2 Ba	ush cat Shoe ch Down ctralized sket	Plug Ass Y. -s (W) (W)	ω)	₹433.75 ₹567,00 ₹61.00	*433 ,75 *567,99 *976.99
4159 445 <i>4</i> 4130		41	AFU Flo 51/2 Lat 51/2 Cer	ush cat Shoe ch Down ctralized sket	Plug Ass Y. -s (W) (W)	ws	₹433.7 <u>5</u> ₹567.99 ₹61.99	*433 ,75 *567,99 *976.99
4159 4454 4130 4104		41	AFU Flo 5/2 Lat 5/2 Cer 5/2 Ba	ush cat Shoe ch Down ctralized sket	Plug Ass Y. -s (W) (W)	ω) '2019527	₹433.75 ₹567.92 ₹61.92 ₹290.92 ₹4900.99	*433 <u>,25</u> * 567,99 * 976.99 * 290,99 *4900 .99
4159 4454 4130 4104		41	AFU Flo 5/2 Lat 5/2 Cer 5/2 Ba	ush cat Shoe ch Down ctralized sket	Plug Ass Y. -s (W) (W)	ω) '2019527	#433.75 #567,99 #61,99 #290,99 #4900,99 SubTotal	*433 ,25 * 567,99 * 976,99 * 290,99 *4900,99 *26/93,15
4159 4454 4130 4104		41	AFU Flo 5/2 Lat 5/2 Cer 5/2 Ba	ush cat Shoe ch Down ctralized sket	Plug Ass y. -s (ω) (ω) 5R*	ω) '2019527	\$ 433.75 \$ 567.99 \$ 61.99 \$ 290.99 \$ 4900.99 SubTotal	*433 ,25 *567,99 *976.99 *4900.99 *4900.99 *4900.99 *4900.99
4159 4454 4130 4104		41	AFU Flo 5½ Lat 5½ Cen 5½ Ba 5½ DI	ush cat Shoe ch Down stralized sket U Tool	Plug Ass y. -s (w) (w) 5R *	ω) '2019527	\$ 433.75 \$ 567.99 \$ 61.99 \$ 290.99 \$ 4900.99 SubTotal	*433 ,25 *567,99 *976,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99 *4900,99
4159 4454 4130 4104		41	AFU Flo 5½ Lat 5½ Cen 5½ Ba 5½ DI	ush cat Shoe ch Down ctralized sket	Plug Ass y. -s (w) (w) 5R *	(W)  2019527   "	\$ 433.75 \$ 567.99 \$ 61.99 \$ 290.99 \$ 4900.99 SubTotal	*433 ,25 *567,99 *976.99 *4900.99 *4900.99 *4900.99 *4900.99



Lario Oil And Gas Company

33-17s-35w Wichita Co KS

301 S Market St Wichita KS 67202 Zellner 2-33

Job Ticket: 57668

DST#: 1

ATTN: Tim Lauer

Test Start: 2014.06.17 @ 19:14:23

#### **GENERAL INFORMATION:**

Formation:

Interval:

Lansing L

Deviated: No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester: Unit No: 65

Mike Roberts

Time Tool Opened: 21:14:08 Time Test Ended: 02:33:08

4399.00 ft (KB) To 4412.00 ft (KB) (TVD)

Reference Elevations:

3207.00 ft (KB)

4412.00 ft (KB) (TVD) Total Depth:

KB to GR/CF:

3201.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition: Fair

6.00 ft

Serial #: 8846 Press@RunDepth: inside

11.72 psig @

4407.00 ft (KB)

2014.06.18

Capacity:

8000.00 psig

Start Date: Start Time: 2014.06.17 19:14:23 End Date: End Time:

02:33:08

Last Calib.:

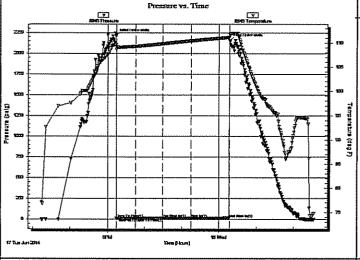
2014.06.18

Time On Btm: Time Off Btm: 2014.06.17 @ 21:13:53

2014.06.18 @ 00:17:08

TEST COMMENT: IF: Weak surface blow died in 2 min.

IS:No return blow FF:No blow FS:No return blow



PRESSURE SUMMARY				
sure	Temp	Annotation		
(ni	Idea F			

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2212.84	109.63	Initial Hydro-static
1	12.92	108.57	Open To Flow (1)
32	12.37	109.30	Shut-In(1)
76	14.11	109.86	End Shut-In(1)
76	12.33	109.86	Open To Flow (2)
121	11.72	110.46	Shut-In(2)
183	15,76	111.17	End Shut-In(2)
184	2152.38	111.76	Final Hydro-static
	•		

#### Recovery

Length (fi)	Description	Volume (bbl)
3.00	mud with oil spots in the tool 100%m	0.04

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 57668 Printed: 2014.06.18 @ 08:40:24



**FLUID SUMMARY** 

Lario Oil And Gas Company

33-17s-35w Wichita Co KS

301 S Market St Wichita KS 67202 Zellner 2-33 Job Ticket: 57668

DST#:1

ATTN: Tim Lauer

Test Start: 2014.06.17 @ 19:14:23

Oil API:

#### Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity:

54.00 sec/qt Water Loss: 8.77 in\* Resistivity: 0,00 ohm,m

Salinity: Filter Cake: 6000.00 ppm 1.00 inches Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Water Salinity: bbl

0 deg API 0 ppm

psig

ft

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
3.00	mud with oil spots in the tool 100%m	0.042

Total Length:

3.00 ft

Total Volume:

0.042 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

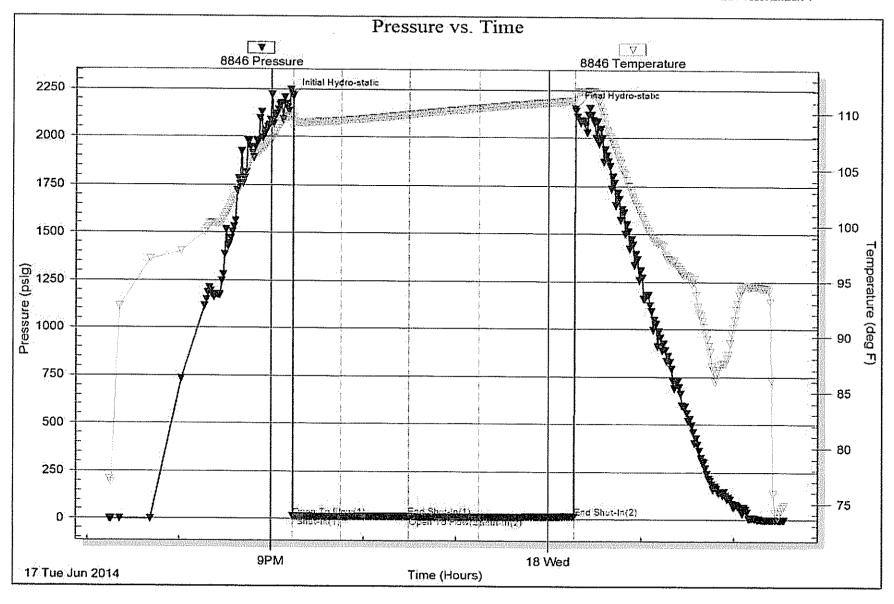
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc.

Ref. No: 57668

Printed: 2014.06.18 @ 08:40:24





Lario Oil And Gas Company

33-17s-35w Wichita Co KS

301 S Market St Zellner 2-33 Wichita KS 67202

Job Ticket: 57669

DST#: 2

ATTN: Tim Lauer

Test Start: 2014.06.18 @ 19:55:15

#### GENERAL INFORMATION:

Formation:

Marmaton A

Deviated:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

65

Unit No:

3207.00 ft (KB)

Reference Bevations:

3201.00 ft (CF)

KB to GR/CF:

6.00 ft

Interval:

4520.00 ft (KB) To 4542.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

Time Tool Opened: 21:52:15

Time Test Ended: 04:27:15

4542.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 8846 Press@RunDepth: Inside

305.51 psig @

19:55:15

4537.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2014.06.18

End Date: End Time:

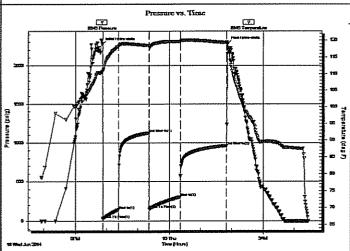
2014.06.19 04:27:15 Last Calib.:

2014.06.19

Time On Blm: Time Off Btm: 2014.06.18 @ 21:51:45 2014.06.19 @ 01:52:00

TEST COMMENT: IF:BOB in 4 min.

IS:Built to 6" blow FF:BOB in 2 min. FS:Built to 4" blow



#### Pressure Temp Annotation Time (Mn.) (psig) (deg F) 110.59 Initial Hydro-static 2270.43 0 27.91 110.82 Open To Flow (1) 118.11 Shut-In(1) 31 143.50 89 1125.12 118.43 End Shut-In(1) 90 152.23 118.12 Open To Flow (2) 305.51 149 119.63 Shut-In(2) 239 962.46 119.29 End Shut-h(2) 2280.82 117.56 Final Hydro-static

PRESSURE SUMMARY

### Recovery

Length (fl)	Description	Volume (bbl)
868.00	gco 10%g 90%o	12.18
62.00	gcom 20%g 30%o 50%m	0.87
* Recovery from r	nultiple tests	

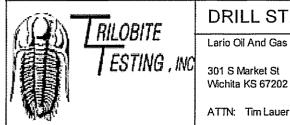
Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 57669

Printed: 2014.06.19 @ 07:58:05



**FLUID SUMMARY** 

DST#: 2

Lario Oil And Gas Company

33-17s-35w Wichita Co KS

301 S Market St Wichita KS 67202 Zellner 2-33 Job Ticket: 57669

Test Start: 2014.06.18 @ 19:55:15

Oil API:

#### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

9.00 lb/gal

57.00 sec/qt Viscosity: 9.57 in<sup>a</sup> Water Loss:

0.00 ohm.m Resistivity:

Salinity: 2300.00 ppm 1.00 inches Filter Cake:

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type: Gas Cushion Pressure: ft bbl

psig

Water Salinity:

28 deg API 0 ppm

**Recovery Information** 

Recovery Table

Length ft Description Volume bbl 868.00 gco 10%g 90%o 12.176 62.00 gcom 20%g 30%o 50%m 0.870

Total Length:

930.00 ft

Total Volume:

13.046 bbl

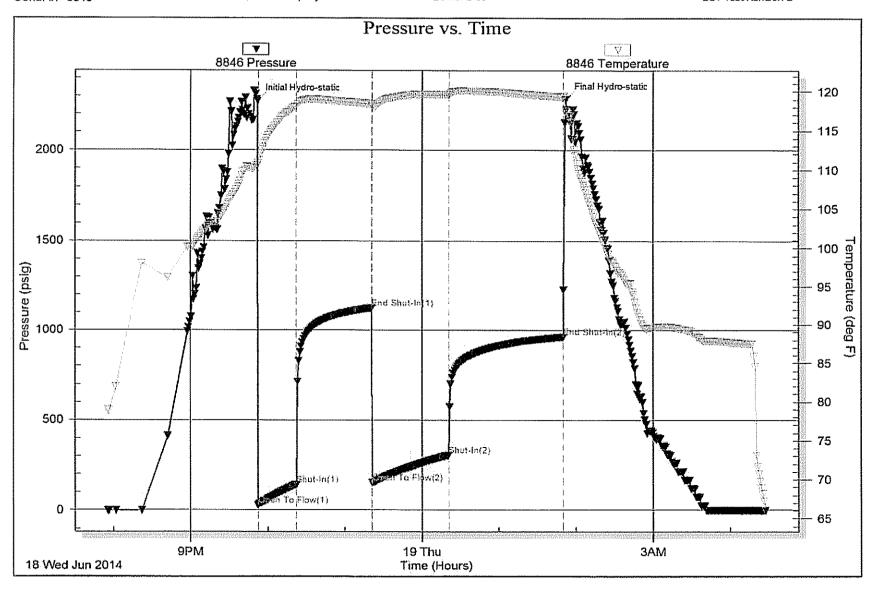
Num Fluid Samples: 0

Num Gas Bombs: 0 Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 26 @ 80 corrected to 28 @ 60



Tritobite Testing, Inc Ref. No: 57669 Printed: 2014.06.19 @ 07:58:06



Lario Oil And Gas Company

Zellner 2-33

301 S Market St Wichita KS 67202

Job Ticket: 57670

DST#: 3

ATTN: Tim Lauer

Test Start: 2014.06.19 @ 20:53:15

33-17s-35w Wichita Co KS

#### **GENERAL INFORMATION:**

Formation:

Pawnee-Ft.Scott- Che

Deviated:

No

Whipstock:

ft (KB)

Tester:

Unit No:

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 22:55:30 Time Test Ended: 03:42:30

Mike Roberts

Interval:

4588.00 ft (KB) To 4660.00 ft (KB) (TVD)

Reference Elevations:

3207.00 ft (KB)

Total Depth:

4660.00 ft (KB) (TVD)

3201.00 ft (CF)

Hole Diameter:

KB to GR/CF:

65

6.00 ft

Serial #: 8846 Press@RunDepth: Inside

14.59 psig @

7.88 inches Hole Condition: Fair

4590.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2014.06.19

End Date:

2014.06.20

Last Calib.:

2014.06.20

Start Time:

20:53:15

End Time:

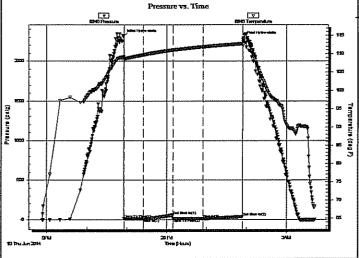
03:42:30

Time On Btm: Time Off Btm: 2014.06.19 @ 22:55:15

2014.06.20 @ 01:55:15

IS:No return blow FF:No blow FS:No return blow

TEST COMMENT: IF: Weak surface blow that died in 25 min.



#### PRESSURE SUMMARY Time Pressure Temp Annotation (Min.) (psig) (deg F) 109.12 Initial Hydro-static 0 2310.94 Open To Flow (1) 108.15 1 13.63 30 14.67 109.69 Shut-In(1) 74 57.97 110.97 End Shut-In(1) 75 14.25 110.96 Open To Flow (2) 120 14.59 111.86 Shut-In(2) 179 39.78 112,73 End Shut-In(2) 180 2289.93 113.84 Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil on top of tool	0.07

#### Gas Rates

Choke (inches) Pressure (psig)

Gas Rale (MMcI/d)

Trilobite Testing, Inc.

Ref. No: 57670

Printed: 2014.06.20 @ 04:06:16



**FLUID SUMMARY** 

Lario Oil And Gas Company

33-17s-35w Wichita Co KS

301 S Market St Wichita KS 67202 Zellner 2-33 Job Ticket: 57670

DST#: 3

ATTN: Tim Lauer

Test Start: 2014.06.19 @ 20:53:15

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Weight:

Mud Type: Gel Chem

10.00 lb/gal

Viscosity: Water Loss:

60.00 sec/qt 10.37 in<sup>3</sup>

Resistivity: Salinity: Filter Cake:

8000.00 ppm

0,00 ohm.m 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ldd

ft

psig

0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft Description Volume bbl 5.00 mud with oil on top of tool 0.070

Total Length:

5.00 ft

Total Volume:

0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc.

Ref. No: 57670

Printed: 2014.06.20 @ 04:06:16

