Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1221589

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.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:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
G OG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used?
	If yes, show depth set: Feet
If Workover/Re-entry: Old Well Info as follows:	
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	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
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Location of huid disposa in natied offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached 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:

	Page Two	1221589
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTRUCTIONS. Chow important tapa of formations paratrated	Datail all agree Bapart all f	final appias of drill stome tests giving interval tested, time test

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sh	eets)	Yes No		0	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQL	IEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and I	Percent Additives	

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

(If No, skip questions 2 and 3) (If No, skip question 3)

No

No

No

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge F Each Interval I		e			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	Producti	ion, SWD or ENHF	3.	Producing N	/lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO		as.			METHOD	OF COMPLE			PRODUCTION INTE	RVAL ·
Vented Sold	<u> </u>	Jsed on Lease		Open Hole	Perf.		Comp.	Commingled (Submit ACO-4)		
(If vented, Sub	ACO	-10.)		Other (Specify)						

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Shimanek 1-18
Doc ID	1221589

All Electric Logs Run

MAI/MFE	
MPD/MN	
MML	
MSS	

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Shimanek 1-18
Doc ID	1221589

Tops

Name	Тор	Datum
Heebner	4015	-783
Lansing	4068	-836
Stark Shale	4362	-1130
Hushpuckney	4412	-1180
Base KC	4501	-1269
Marmaton	4535	-1303
Pawnee	4636	-1404
Ft. Scott	4656	-1424
Johnson	4768	-1536
Morrow	4866	-1634
Basal Penn	4958	-1726
Mississippian	4974	-1742

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Shimanek 1-18
Doc ID	1221589

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
surface	12.25	8.625	24	372	Common	225	3% cc, 2% gel
production	7.875	5.5	14	5181	ASCA	159	10# salt,2% gel, 5.5% gypseal
DV tool	7.875	5.5	14	2412	Lite 65/35	420	1/4# floseal



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

ONLY IF PAID ON OR BEFORE Sep 29, 2014

Customer ID	Field Ticket #	Payment	t Terms
Lario	64187	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 30, 2014	9/29/14

Quantity	ltem		Descrip	tion		Unit Price	Amount
1.00	WELL NAME (Shimanek #1-18	duilling	AFE	14-206		
225.00	CEMENT MATERIALS	Class A Common	9-9-14	ur		17.90	4,027.50
635.00	CEMENT MATERIALS	Chloride	• • •			1.10	698.50
237.56	CEMENT SERVICE	Cubic Feet Charge				2.48	589.15
544.61	CEMENT SERVICE	Ton Mileage Charge				2.75	1,497.68
1.00	CEMENT SERVICE (Surface				1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage				7.70	385.00
1.00	CEMENT SERVICE	Manifold Head Rental				275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage				4.40	220.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug				a 110.00	110.00
1.00	CEMENT SUPER VISOR	Alan Ryan					
1.00	EQUIPMENT OPERATOR	Kevin Kyan			SEP 1 0 2014		
	S ARE NET, PAYABLE	Subtotal					9,315.08
	FOLLOWING DATE OF	Sales Tax					394.13
	. 1 1/2% CHARGED	Total Invoice Am	ount				9,709.21
	TER. IF ACCOUNT IS , TAKE DISCOUNT OF	Payment/Credit A	pplied				
	·	TOTAL					9,709.21
\$	2,761.52			a a canadra a canada		nan da na da na da nan da nan da na da	

INVOICE

Invoice Number: 145369 Invoice Date: Aug 30, 2014 Page: 1

1,1

ALLIED OIL & GAS SERVICES, LLC 064187 Federal Tax I.D. # 20-8651475

SOUTHLAKE, TEXAS 76092		SE	RVICE POINT:	ly
DATE 8 30/14 SEC. 8 TWP. RANGE 5	CALLED OUT	ON LOCATIO	N JOB START	JOB FINIS
LEASES im creck WELL & 1-18 LOCATION Morties	the flaces	Spiles 1/2	COUNTY	STATE
CONTRACTOR Anke 4 TYPE OF JOB Suctaine	OWNER	Sana		····
HOLE SIZE /2/14 T.D. 374 CASING SIZE 87/8 DEPTH 374	CEMENT AMOUNT ORI	DERED 2	53700	<u><</u>
DRILL PIPE DEPTH		·		
TOOL DEPTH PRES. MAX MINIMUM		<u>,,,</u>	90	
MEAS. LINE , SHOE JOINT	COMMON POZMIX	225	_@	402>=
CEMENT LEFT IN CSG. 15	GEL			
PERFS.	CHLORIDE	635		6985
DISPLACEMENT	ASC		@	<u> </u>
EQUIPMENT			e	
	, fliataa	6_1012	<u>/@</u>	47.1
PUMPTRUCK CEMENTER Hen CHUIT	-11000	88/2		·
# 123-281 HELPER / Her & 100	-	-00 1.30	<u>18</u> 9	
BULKTRUCK		· · · · ·	@	
# 83 DRIVER June (105) BULK TRUCK				<u> </u>
# DRIVER	•		_@	
	HANDLING MILEAGE	332,	_@ <u>2</u>	5891
Shut	DEPTH OF JOE	SERV		
Const And Crimbelo	PUMPTRUCK			15/2-2
	TOMP INCLY	CHURCH		
	EXTRA FOOTA		@	13/12-
TT-1-6	EXTRA FOOTA MILEAGE	.GE	@	385-
Thick the	EXTRA FOOTA MILEAGE MANIFQLD	.GE 50 =Heed	@	385
Abn Keir Junt	EXTRA FOOTA MILEAGE MANIFQLD	.GE	@ @	385 225 225 2202
CHARGE TO: Lario Oil a Gus	EXTRA FOOTA MILEAGE MANIFQLD	GE 50 =Heal 	@ @ 	385 205 225 2202 2202 2202 4,479
Thit h	EXTRA FOOTA MILEAGE MANIFOLD GTE VINCE	.GE 50 =Heal 	@ @ 	385 295 290 290 290 2 290 2 4,479
CHARGE TO: Lario O!) ~ Gus STREET	EXTRA FOOTA MILEAGE MANIFOLD GTE VINCE	.GE 50 =Heal 	e	385 295 290 290 290 2 290 2 4,479
CHARGE TO: Lario O!) ~ Gus STREET CITY STATE ZIP	EXTRA FOOTA MILEAGE MANIFOLD GTR VIW.C (134)	.GE 50 =Heal 	© © TOTAL XT EQUIPMEN ©	385 295 290 290 290 2 290 2 4,479
CHARGE TO: Lorio Oil & Gas Services, LLC.	EXTRA FOOTA MILEAGE MANIFOLD GTR VIW.C (134)	.GE 50 =Heal 	© TOTAL TOTAL VT EQUIPMEN © © © ©	385 295 290 290 290 2 290 2 4,479
CHARGE TO: Lario Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment	EXTRA FOOTA MILEAGE MANIFOLD GTR VIW.C (134)	.GE 50 =Heal 	© TOTAL TOTAL AT EQUIPMENT © © © © © ©	385 295 290 290 290 2 290 2 4,479
To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	EXTRA FOOTA MILEAGE MANIFOLD GTR VIW.C (134)	.GE 50 =Heal 	© TOTAL TOTAL VT EQUIPMEN © © © ©	385 295 290 290 290 2 290 2 4,479
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	EXTRA FOOTA MILEAGE MANIFOLD GTR VIW.C (134)	.GE 50 =Heal 	TOTAL	385 825 830 4,479 T
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	EXTRA FOOTA MILEAGE MANIFOLD GTR VIW.C (134)	.GE 50 =Heal - 70 3.72/35	TOTAL	385 295 290 290 290 2 290 2 4,479
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	EXTRA FOOTA MILEAGE MANIFOLD GTR VIW.C (134)	.GE 50 =Heal co 3.72/35 LUG & FLOA 2 2 (3.2) 2 3.72/35 LUG & FLOA 2 (3.2) 2 (3.2) (3.2	TOTAL	385 825 830 4,479 T
CHARGE TO: Lerid 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	EXTRA FOOTA MILEAGE MANIFOLD (134) (134) PI \$ SALES TAX (IF,	.GE 	Contraction of the second seco	385 825 830 4,479 T
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 TERMS AND CONDITIONS" listed on the reverse side.	EXTRA FOOTA MILEAGE MANIFOLD GTR MANIFOLD (134) (134) PI SSALES TAX (IF, TOTAL CHARG	GE SO = Heal 3. 70/30 LUG & FLOA 2. Reg (3. 2) Any) ES_9.31		385 825 820 4,1179 110 110 110 110,00
The second se	EXTRA FOOTA MILEAGE MANIFOLD (134) (134) PI \$ SALES TAX (IF,	ICE SO SO SO SO SO SO SO SO SO SO		385 225 225 230 2 2 2 10 10 10 10 2 10 10 10 10 10 10 10 10 10 10

P 6.



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

Customer ID	Field Ticket #	Payment	t Terms
Lario	64194	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-02	, Oakley	Sep 9, 2014	10/9/14

Quantity	Item	Description			Unit Price	Amount
1.00	WELLNAME	Shimanek #1-18	Drill	1 CA 22		
450.00	CEMENT MATERIALS	Light Weight 65/35/6% Gel with Flo Seal	100	14-206 9122114	19.88	8,946.00
171.00	CEMENT MATERIALS	ASC		79-206	23.50	4,018.50
855.00	CEMENT MATERIALS	Gilsonite	CR	7/22/14	0.98	837.90
114.00	CEMENT MATERIALS	Flo Seal			2.97	338.58
48.00	CEMENT MATERIALS	FL-160			18.90	907.20
24.00	CEMENT MATERIALS	Defoamer			3.50	84.00
12.00	CEMENT MATERIALS	WFR-II			25.00	300,00
717.75	CEMENT SERVICE	Cubic Feet Charge			2.48	1,780.02
1,523.50	CEMENT SERVICE	Ton Mileage Charge			2.75	4,189.63
1.00	CEMENT SERVICE	Production Bottom Stage			3,099.25	.3,099.25
1.00	CEMENT SERVICE	Production Top Stage			2,406.25	2,406.25
50.00	CEMENT SERVICE	Pump Truck Mileage			7.70	. 385.00
1.00	CEMENT SERVICE	Manifold Head Rental			275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage			4.40	220.00
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			545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down			660.00	660.00
16.00	EQUIPMENT SALES	5-1/2 Centralizer			57.00	912.00
1.00	EQUIPMENT SALES	5-1/2 Basket			395.00	395.00
1.00	CEMENT SUPERVISOR	Alan Ryan				
		Subtotal				Continued
	ES ARE NET, PAYABLE					Continued
	FOLLOWING DATE OF	Sales Tax				
	E. 1 1/2% CHARGED TER. IF ACCOUNT IS	Total Invoice Amount				Continued
	, TAKE DISCOUNT OF	Payment/Credit Applied				
\$	10,690.08	TOTAL.				Continued
Lands rolling						
ONLYIF	PAID ON OR BEFORE					
	Oct 9, 2014					

INVOICE

Invoice Number: 145649 Invoice Date: Sep 9, 2014 Page: 1



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

Oct 9, 2014

Customer ID	Field Ticket #	Paymen	t Terms
Lario	64194	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Sep 9, 2014	10/9/14

	- NOT VL	- 	1	1	
Quantity	Item	Description		Unit Price	Amount
1.00	EQUIPMENT OPERATOR	Kevin Ryan			
1.00	OPERATOR ASSISTANT	George Grant			
				. /	
			Ip		
			K	<u>M_J_</u>	
			io <u>ci Ero i Fre i</u> SC I	\mathcal{T}	
			Contraction of the second seco		
			SEP 24	RØ14 -	
				V	
			81	V	
			per l		
	ES ARE NET, PAYABLE	Subtotal			35,634.33
30 DAYS	FOLLOWING DATE OF	Sales Tax			1,897.25
	E. 1 1/2% CHARGED TER. IF ACCOUNT IS	Total Invoice Amount			37,531.58
	TER. TFACCOUNT IS	Payment/Credit Applied			
		TOTAL		()	37,531.58
\$	10,690.08				
ONLYIFI	PAID ON OR BEFORE				
	ALC ON ON DEL ONE				

INVOICE

Invoice Number: 145649 Invoice Date: Sep 9, 2014 Page: 2

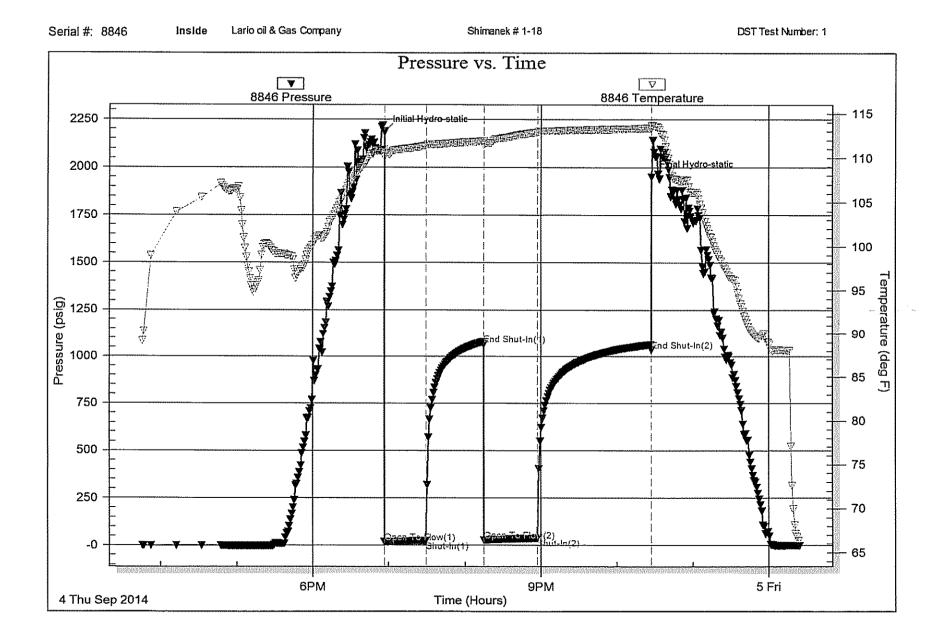
	S SERVICES, LLC 064194
REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	SERVICE POINT.
$\frac{\text{DATE } Y_1 G_1 (Y_1 \setminus \mathcal{B}_1 \cup \mathcal{O}_1 \cup \mathcal{S}_2)}{25}$	CALLED OUT ON LOCATION JOB START JOB FINISH S. DOB 2000 DOD STATE JOB FINISH STATE STATE STATE
OLD OR (NEW) Circle one) U GTABO	
CONTRACTOR A 169 9 TYPE OF JOB Prod. 2-5Tape. HOLE SIZE THE T.D.	OWNER 5
CASING SIZE 14% DEPTH 5180 TUBING SIZE DEPTH DRILL PIPE DEPTH	AMOUNT ORDERED 171 ASCIDNELT 20001501005 3-100 F1160.1416/512 & Fromer 450 65/35 600 at 14 Flo 500 C-l worker
TOOL HU DEPTH 2412 -//b PRES. MAX MINIMUM	ебина <u>Проба 4хода 1988 ерене</u> Родина <u>Франции и кода 1988</u>
CEMENT LEFT IN CSG. 10 PERFS. 6075	GEL@ L CHLORIDE@ ASC/2/5/K @236B 4000 50
EQUIPMENT	Gilsen 1/4 855 1/2 @ 198 833 22
PUMP TRUCK CEMENTER Henry Ryan HUZJ-28/ HELPER Henry Ryan BULK TRUCK	E/140 48 16 @ 18 20 507 20 HEAVER BY 16 @ 350 84 20 MART 12 18 16 @ 350 84 20 MART 12 18 16 @ 3500 3002 E
#560 DRIVER THEN ~ (TWOS) BULK TRUCK #333 DRIVER GEBRINE - MOCCO	<u>IMileriol Total</u> <u>IMileriol Total</u> <u>(4657.49/3020</u> HANDLING <u>712.5</u> CF @ 2 10 1280 22
Girand. (Two) REMARKS:	MILEAGED Toufaile 30.40 Don 4189
Junces Civility May VIR IT May ASC-12154 6. Biglost Pin uf 10 Battor -6 BBL Rig Rund w/1801 P. Land Plun 10 2000 . Operated BOD PST, CC	STOFT. SERVICE
12 30 510 AH ANT 42051 Bana 51/2 breach Tanch Displore Plan 10/69 ABL HAD 1/500 P 1504 - Gand of Plan P 180 PGT	DEPTH OF JOB <u>5180</u> PUMP TRUCK CHARGE <u>5039</u> EXTRA FOOTAGE ©
Top Clesed O Crest Did Grufste Throphy- Alon Ming Good	MILEAGE 50 @ 22 385 MANIFOLD - Hand @ 255 TopSTopSI @ 2406
CHARGE TO: Laria Oil & Cruz	(3706.54/303) TOTAL 12315.13
STREET STATE ZIP	PLUG & FLOAT EQUIPMENT
	DV TOO 1 1 @ 5335 523500 AFU FIRST Shop 1 @ 54500 541500
To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment	lathlann 1 @ 50 912 00 Gating 16 @ 50 912 00 Bundlet 1 @ 395 325 20
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	(2359.0/303) TOTAL 7.847.00
contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (IF Any) TOTAL CHARGES_35.633.63
PRINTED NAME	DISCOUNT 1C. 690. CT (351) IF PAID IN 30 DAYS
SIGNATURE	Bel , Marshar
ананан (1996) 29 Санан (1996) 29 Санан (1996)	

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RILOBITE	DRILL STEM TE	SIREP	UKI				
	Lario oil & Gas Company		18-19:	s-35w W	lichita (County	
ESTING , INC	301 S Market Wichita Ks, 67202			anek # 1 ket: 57460		DST#: 1	1
	ATTN: Mac Armstorng		Test St	art: 2014.	.09.04 @		
GENERAL INFORMATION:			······				
Formation: Lansing I Deviated: No Whipstock: Time Tool Opened: 18:56:45 Time Test Ended: 00:24:45	0.00 ft (KB)	· · ·	Test Ty Tester: Unit No	Just	ventional lin Harris	l Bottom Ho	le (Initial
Interval: 4292.00 ft (KB) To 43 Total Depth: 4314.00 ft (KB) (T)		нча 1 1946 Хор		nce Bevat	ions:	3232.00 3221.00	
	Condition: Poor	<i>*</i> *		KB to G	R/CF:	11.00	
Serial #: 8846 Inside Press@RunDepth: 37.37 psig Start Date: 2014.09.04 Start Time: 15:45:15 TEST COMMENT: 30:Weak surface 45: No Return. 45: No Blow.	End Date: End Time:	2014.09.05 00:24:45	Capacity: Last Calib.: Time On Btm Time Off Btn		4.09.04 @	8000.00 2014.09.05 @ 18:56:30 @ 22:27:15	psig
90: No Return.							
90: No Return. Pressure va. T	fase (V)		PRES	SSURE	SUMMA	ARY	····
90: No Return.	Franc BOD Transmakers Hann	(Mīn.) 0 - 1 - 33	Pressure T (psig) (d 2184.36 1 17.59 1 24.10 1	emp A leg F) 10.91 Inil 10.09 Op 11.36 Sh	Annolation tial Hydro pen To Flo aut-In(1)	n o-static ow (1)	
90: No Return.		(Min.) (Min.)	Pressure T (psig) (d 2184.36 1 17.59 1 24.10 1 1065.65 1 26.84 1 37.37 1 1034.44 1	emp A leg F) 10.91 Ini 10.09 Op	Annotation tial Hydro ben To Flo aut-In(1) ad Shut-In ben To Flo aut-In(2) ad Shut-In	n o-static ow (1) n(1) ow (2) n(2)	
90: No Return.		(Min.) 0 33 79 79 79 121 121 211	Pressure T (psig) (d 2184.36 1 17.59 1 24.10 1 1065.65 1 26.84 1 37.37 1 1034.44 1	emp A leg F) Inii 10.91 Inii 10.09 Op 11.36 Sh 11.88 En 11.44 Op 12.88 Sh 13.36 En	Annotation tial Hydro ben To Flo aut-In(1) ad Shut-In ben To Flo aut-In(2) ad Shut-In	n o-static ow (1) n(1) ow (2) n(2)	
90: No Return.		(Min.) 0 33 79 79 79 121 121 211	Pressure T (psig) (d 2184.36 1 17.59 1 24.10 1 1065.65 1 26.84 1 37.37 1 1034.44 1	emp / leg F) 10.91 Inii 10.09 Op 11.36 Sh 11.88 En 11.44 Op 12.88 Sh 13.36 En 13.63 Fir	Annotation tial Hydro pen To Flo hut-In(1) id Shut-In open To Flo hut-In(2) id Shut-In hal Hydro	n o-static ow (1) n(1) ow (2) n(2)	
90: No Return.		(Min.) 0 33 79 79 79 121 121 211	Pressure T (psig) (d 2184.36 1 17.59 1 24.10 1 1065.65 1 26.84 1 37.37 1 1034.44 1 1950.26 1	emp A leg F) Inii 10.91 Inii 10.09 Op 11.36 Sh 11.88 En 11.44 Op 12.88 Sh 13.36 En	Annotation tial Hydro open To Flo nut-In(1) d Shut-In open To Flo nut-In(2) d Shut-In cal Hydro	n o-static ow (1) n(1) ow (2) n(2) -static	is Rate (Mi
90: No Return.		(Min.) 0 33 79 79 79 121 121 211	Pressure T (psig) (d 2184.36 1 17.59 1 24.10 1 1065.65 1 26.84 1 37.37 1 1034.44 1 1950.26 1	emp / / leg F) 10.91 Inii 10.09 Op 11.36 Sh 11.88 En 11.44 Op 12.88 Sh 13.36 En 13.63 Fir Gas R	Annotation tial Hydro open To Flo nut-In(1) d Shut-In open To Flo nut-In(2) d Shut-In cal Hydro	n o-static ow (1) n(1) ow (2) n(2) -static	us Rato (Mi
90: No Return.		(Min.) 0 33 79 79 79 121 121 211	Pressure T (psig) (d 2184.36 1 17.59 1 24.10 1 1065.65 1 26.84 1 37.37 1 1034.44 1 1950.26 1	emp / / leg F) 10.91 Inii 10.09 Op 11.36 Sh 11.88 En 11.44 Op 12.88 Sh 13.36 En 13.63 Fir Gas R	Annotation tial Hydro open To Flo nut-In(1) d Shut-In open To Flo nut-In(2) d Shut-In cal Hydro	n o-static ow (1) n(1) ow (2) n(2) -static	is Rato (MI

4. -5. -7.

(IN 7	RILOBITE	DRI	LL S	TEM TEST	REPO	RT			FLUID	SUMMARY
		Lario oi	l & Gas (Company			18-19s-35v	v Wichita	County	
	ESTING , INC.		Aarket Ks, 6720 Mac An				Shimane Job Ticket: 5 Test Start: 2	7460	DST#: 15:45:00	1
Mud and Cus	hion Information			*****					- <u></u>	
	Chem 9.00 lb/gal 55.00 sec/qt 8.79 in ³ ohmm 4000.00 ppm 1.00 inches			Cushion Type: Cushion Length: Cushion Volume: Bas Cushion Type: Bas Cushion Pressu	re: "		ft bbl psig	Oil API: Water Salini	ty:	0 deg API 0 ppm
Recovery Info	ormation									
	Lengt ft	h 35.00	r mud	Recovery Table Description	dasan dan daran kara dara dara dara dara dara dara dara		Volume bbl			
	Total Length:		00 ft	Total Volume:		bbl		4		
	Num Fluid Samp Laboratory Nam Recovery Comm	e:		Num Gas Bombs: Laboratory Locat			Serial #:			



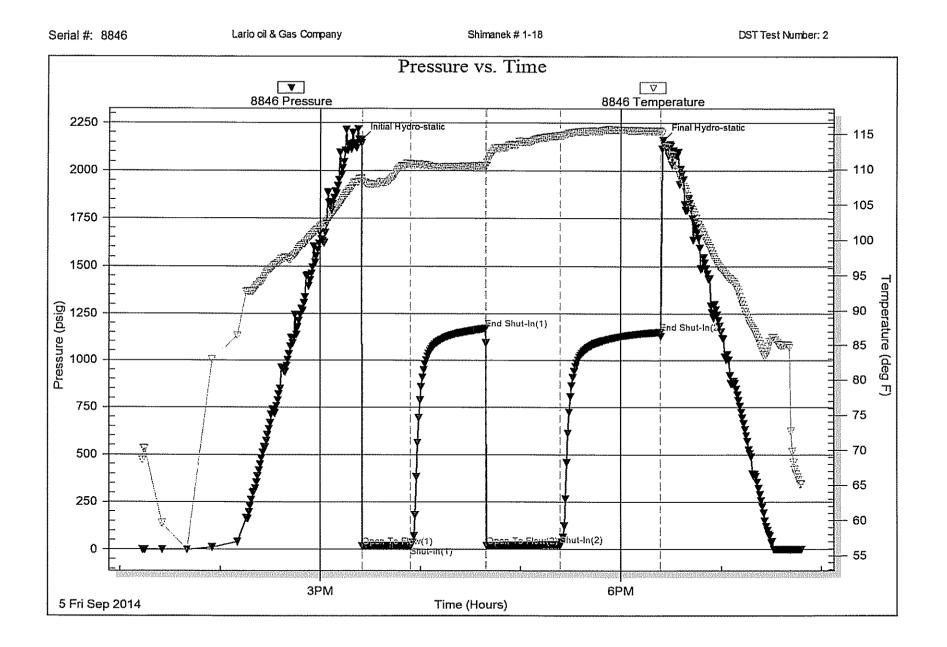
Trilobite Testing, Inc

Ref. No: 57460

Printed: 2014.09.05 @ 00:45:09

RILOBITE	Lario oil & Gas Company		18-	19s-35w	Wichita	County	
ESTING , INC	301 S Market			imanek		county	
	Wichita Ks, 67202		doL	Ticket: 59	9151	DST#: 2	
	ATTN: Mac Armstorng		Tes	t Start: 20)14.09.05 @	13:13:15	
GENERAL INFORMATION:							
Formation: K -L Deviated: No Whipstock: Time Tool Opened: 15:25:00 Time Test Ended: 19:47:45	0.00 ft (KB)		Tes Tes Unit	ter: I	Conventiona Mike Roberts 65	l Bottom Hole s	(Reset)
Interval: 4406.00 ft (KB) To 444 Total Depth: 4442.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	'D)		Refe	erence Be KB I	evations:	3232.00 3221.00 11.00	ft (CF)
						11.00	
Serial #: 8846 Press@RunDepth: 23.59 psig Start Date: 2014.09.05 Start Time: 13:13:15	@ ft (KB) End Date: End Time:	2014.09.05 19:47:45	Capacity: Last Calit Time On I Time Off	o.: Btm: :	2014.09.05 (2014.09.05 (-	psig
TEST COMMENT: IF:Built to 1/4" IS:No return blow FF:No blow							
FS:No return blow		·····	an Anna an Ann				
FS:No return blow	535C Red Test Ann 175 175 175 175 175 175 175 175	Time (Min.) 0 1 30	Pressure (psig) 2160.25 16.67 18.31	Temp (deg F) 108.73 108.23 110.75	Annotatio Initial Hydro Open To Fl Shut-In(1)	on o-static low (1)	
FS:No return blow		(Min.) 0 1 30 75 75	Pressure (psig) 2160.25 16.67 18.31 1170.45	Temp (deg F) 108.73 108.23 110.75 110.50	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir	o-static low (1) n(1)	
FS:No return blow	535C Ref Transmont 155 155 155 155 155 155 155 15	(Min.) 0 1 30 75 75 75 119	Pressure (psig) 2160.25 16.67 18.31 1170.45 19.28 23.59	Temp (deg F) 108.73 108.23 110.75 110.50 110.44 114.73	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2)	on o-static low (1) n(1) low (2)	
FS:No return blow		(Min.) 0 1 30 75 75 75 119	Pressure (psig) 2160.25 16.67 18.31 1170.45 19.28 23.59	Temp (deg F) 108.73 108.23 110.75 110.50 110.44 114.73 115.38	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl	on o-static low (1) n(1) low (2) n(2)	
FS:No return blow		(Min.) 0 1 30 75 75 75 119 179	Pressure (psig) 2160.25 16.67 18.31 1170.45 19.28 23.59 1151.51	Temp (deg F) 108.73 108.23 110.75 110.50 110.44 114.73 115.38	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	on o-static low (1) n(1) low (2) n(2)	
FS:No return blow		(Min.) 0 1 30 75 75 75 119 179 181	Pressure (psig) 2160.25 16.67 18.31 1170.45 19.28 23.59 1151.51	Temp (deg F) 108.73 108.23 110.75 110.50 110.44 114.73 115.38 113.65	Annotatio Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2)	
FS:No return blow		(Min.) 0 1 30 75 75 75 119 179 181	Pressure (psig) 2160.25 16.67 18.31 1170.45 19.28 23.59 1151.51	Temp (deg F) 108.73 108.23 110.75 110.50 110.44 114.73 115.38 113.65	Annotatio Initial Hydro Open To FI Shut-In(1) End Shut-Ir Open To FI Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) static	Raie (MMc//
FS:No return blow	535C 	(Min.) 0 1 30 75 75 75 119 179 181	Pressure (psig) 2160.25 16.67 18.31 1170.45 19.28 23.59 1151.51	Temp (deg F) 108.73 108.23 110.75 110.50 110.44 114.73 115.38 113.65	Annotatio Initial Hydro Open To FI Shut-In(1) End Shut-Ir Open To FI Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static	Rais (MMc//
FS:No return blow	535C 	(Min.) 0 1 30 75 75 75 119 179 181	Pressure (psig) 2160.25 16.67 18.31 1170.45 19.28 23.59 1151.51	Temp (deg F) 108.73 108.23 110.75 110.50 110.44 114.73 115.38 113.65	Annotatio Initial Hydro Open To FI Shut-In(1) End Shut-Ir Open To FI Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static	Rate (MMct/
FS:No return blow	535C 	(Min.) 0 1 30 75 75 75 119 179 181	Pressure (psig) 2160.25 16.67 18.31 1170.45 19.28 23.59 1151.51	Temp (deg F) 108.73 108.23 110.75 110.50 110.44 114.73 115.38 113.65	Annotatio Initial Hydro Open To FI Shut-In(1) End Shut-Ir Open To FI Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) low (2) n(2) o-static	Rate (MMc//

10 m	RILOBITE	DRI	LL STEN	I TEST R	EPORT	***		FLUID S	UMMARY
			i & Gas Compa	ny		18-19s-35v	v Wichita C	County	
	ESTING , INC.	Wichita	Aarket Ks, 67202 Mac Armstorn	g		Shimane I Job Ticket: 5 Test Start: 2		DST#: 2	
Mud and (Cushion Information								
	Gel Chem 10.00 lb/gal 55.00 sec/qt 10.38 in ^a 0.00 ohmm 7000.00 ppm 1.00 inches		Cushio Cushio Gas Cu	n Type: n Length: n Volume: Jshion Type: Jshion Pressure:		ft bbl psig	Oil API: Water Salinity		0 deg API 0 ppm
Recovery	Information					~~~	*******		
	· · · · · · · · · · · · · · · · · · ·			ery Table			7		
	Leng ft	th 	Des	scription		Volume bbl			
		20.00		n top of tool 100% al Volume:	o.281 bbl	0.281			
	Total Length: Num Fluid Sam Laboratory Nar Recovery Com	oles:0 ne:	Nun	oratory Location:	0	Serial #			



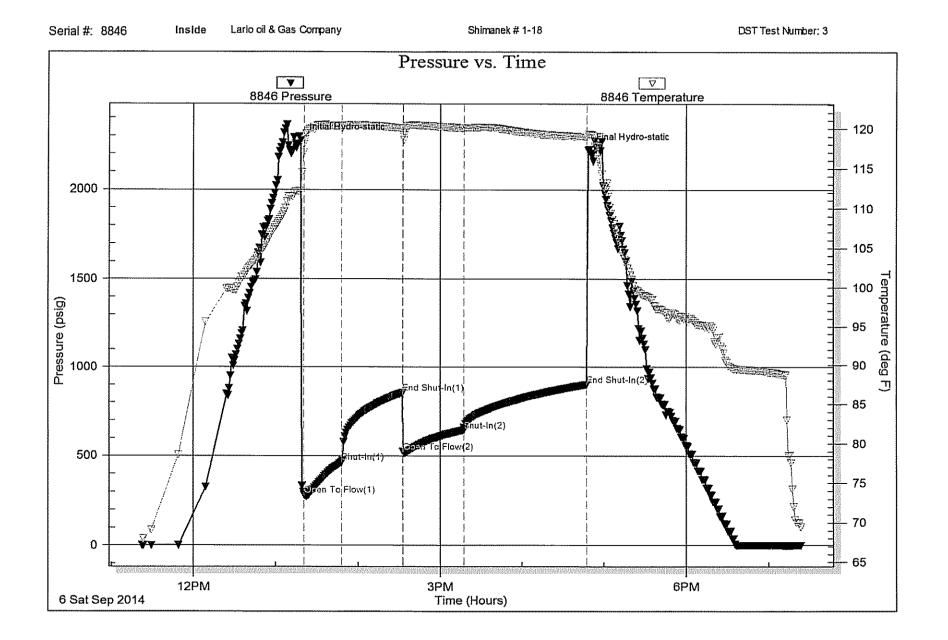
Trilobite Testing, Inc

Ref. No: 59151

Printed: 2014.09.05 @ 22:56:41

ATTA-		DRILL STEM TE	ST REP	ORT				
	RILOBITE	Lario oil & Gas Company	· ·	18-	19s-35w	Wichita	County	
	TESTING , INC.	301 S Market Wichita Ks, 67202			imanek Ticket: 59		DST#::	3
		ATTN: Mac Armstorng		Tes	t Start: 20	014.09.06 @		-
	INFORMATION:							
-	Marmaton No Whipstock: Ined: 13:20:45 ed: 19:24:00	0.00 ft (KB)		Tes	ter:	Conventiona Mike Roberts 65	al Bottom Ho s	le (Reset)
nterval: 'otal Depth:	4527.00 ft (KB) To 45 4584.00 ft (KB) (TV	/D)		Ref	erence Be		3232.00 3221.00	ft (CF)
lole Diameter:	. 7,88 incheshole	e Condition: Poor			KBI	o GR/CF:	11.00	11
Serial #: 8 Press@RunDe Start Date: Start Time:		@ 4530.00 ft (KB) End Date: End Time:	2014.09.06 19:24:00	Capacity Last Cali Time On Time Off	b.: Btm: 2	2014.09.06 (2014.09.06 (•	psig
	IS:BOB in 18 min FF:BOB instantly FS:BOB in 35 min							
	Pressure vs. T			PI	RESSUR	RESUMM	ARY	
		Time ENG Young and Young	Time	Pressure	Temp	RE SUMM		
1700	Pressure va. T		(Min.) 0 3		Temp (deg F) 112.17 118.04 120.34	Annotatio Initial Hydro Open To Fl	on o-static low (1)	
	Pressure va. T	Since 1990 Yangundan 1990 Ya	(Min.) 0 3 30 74	Pressure (psig) 2273.06 283.65 464.84 855.17 522.75	Temp (deg F) 112.17 118.04 120.34 120.01 119.20	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl	o-static low (1) n(1)	
530	Pressure va. T		(Min.) 0 3 3 3 3 3 3 3 4 3 3 0 7 4 75 119 6 1209	Pressure (psig) 2273.06 283.65 464.84 855.17	Temp (deg F) 112.17 118.04 120.34 120.01	Annotatio Initial Hydro Open To FI Shut-In(1) End Shut-In Open To FI Shut-In(2) End Shut-In(2)	o-static low (1) n(1) low (2) n(2)	
			(Min.) 0 30 30 74 74 75 119 209	Pressure (psig) 2273.06 283.65 464.84 855.17 522.75 644.33 899.65	Temp (deg F) 112.17 118.04 120.34 120.01 119.20 120.08 118.99	Annotatic Initial Hydro Open To Fl Shut-In(1) End Shut-Ii Open To Fl Shut-In(2) End Shut-Ia	o-static low (1) n(1) low (2) n(2)	
	Pressure va. T		(Min.) 0 3 30 74 74 75 119 209 210	Pressure (psig) 2273.06 283.65 464.84 855.17 522.75 644.33 899.65	Temp (deg F) 112.17 118.04 120.34 120.01 119.20 120.08 118.99	Annotatic Initial Hydro Open To Fl Shut-In(1) End Shut-Ii Open To Fl Shut-In(2) End Shut-Ia	o-static low (1) n(1) low (2) n(2)	
	Pressure vs. T		(Min.) 0 3 30 74 74 75 119 209 210	Pressure (psig) 2273.06 283.65 464.84 855.17 522.75 644.33 899.65	Temp (deg F) 112.17 118.04 120.34 120.01 119.20 120.08 118.99 119.31	Annotatic Open To Fl Shut-In(1) End Shut-I Open To Fl Shut-In(2) End Shut-In(2) End Shut-Ir Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	
cm (h)	Pressure vs. T	SERIE SEC Volume (tbb)	(Min.) 0 3 30 74 74 75 119 209 210	Pressure (psig) 2273.06 283.65 464.84 855.17 522.75 644.33 899.65	Temp (deg F) 112.17 118.04 120.34 120.01 119.20 120.08 118.99 119.31	Annotatic Open To Fl Shut-In(1) End Shut-I Open To Fl Shut-In(2) End Shut-In(2) End Shut-Ir Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	us Rate (MMc/r
cm tm tm tm tm tm tm tm tm tm t	Pressure vs. T	Since BOD Termination Termina	(Min.) 0 3 30 74 74 75 119 209 210	Pressure (psig) 2273.06 283.65 464.84 855.17 522.75 644.33 899.65	Temp (deg F) 112.17 118.04 120.34 120.01 119.20 120.08 118.99 119.31	Annotatic Open To Fl Shut-In(1) End Shut-I Open To Fl Shut-In(2) End Shut-In(2) End Shut-Ir Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	us Rato (MMc/r
200 200 200 200 200 200 200 200	Pressure vs. T	SERIE SEC Volume (tbb)	(Min.) 0 3 30 74 74 75 119 209 210	Pressure (psig) 2273.06 283.65 464.84 855.17 522.75 644.33 899.65	Temp (deg F) 112.17 118.04 120.34 120.01 119.20 120.08 118.99 119.31	Annotatic Open To Fl Shut-In(1) End Shut-I Open To Fl Shut-In(2) End Shut-In(2) End Shut-Ir Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	15 Rato (MMcd/
Length (1) 0.00 402.00 992.00	Pressure vs. T	SERIE SETIE SE	(Min.) 0 3 30 74 74 75 119 209 210	Pressure (psig) 2273.06 283.65 464.84 855.17 522.75 644.33 899.65	Temp (deg F) 112.17 118.04 120.34 120.01 119.20 120.08 118.99 119.31	Annotatic Open To Fl Shut-In(1) End Shut-I Open To Fl Shut-In(2) End Shut-In(2) End Shut-Ir Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	us Rato (MMc/r
	Pressure vs. T and Theme and Theme Themptone Recovery Description GIP= 1332 mcgo 5%m 25%g 70%o mcgo 5%m 5%g 90%o	SERIE SETIE SE	(Min.) 0 3 30 74 74 75 119 209 210	Pressure (psig) 2273.06 283.65 464.84 855.17 522.75 644.33 899.65	Temp (deg F) 112.17 118.04 120.34 120.01 119.20 120.08 118.99 119.31	Annotatic Open To Fl Shut-In(1) End Shut-I Open To Fl Shut-In(2) End Shut-In(2) End Shut-Ir Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	ıs Rato (MMct/

		DRI	LL STEM TEST F	EPORT	-	I	FLUID SUMMAR
	ESTING , INC.	Lario o	il & Gas Company	18-19s-35w Wichita County			
			Market a Ks, 67202		Shimanek # 1-18		
			Mac Armstorng		Job Ticket: 5		DST#: 3
		ATTN.				014.09.06 @ 11	1:22:10
Mud and Cushion							
Mud Type: Gel Chem Mud Weight: 10.	.00 lb/gal		Cushion Type: Cushion Length:		ft	Oil API: Water Salinity:	30 deg API
-	.00 lo/gai .00 sec/qt		Cushion Volume:		bbl	vvater Samity.	0 ppm
-	.37 in³		Gas Cushion Type:				
Resistivity:	ohmm		Gas Cushion Pressure		psig		
	.00 ppm .00 inches						
Recovery Informat						·····	
Recovery mormat	uon		Recovery Table				
	Leng	th	Description		Volume bbl		
		0.00	GIP= 1332		0.000)	
		402.00	mcgo 5%m 25%g 70%o		5.639		
		992.00	mcgo 5% m 5%g 90%o		13.915	-	
		248.00	gcmo 10%g 20%m 70%o		3.479		
	Total Length:	1642		23.033 bbl			
	Num Fluid Samp		Num Gas Bombs:	0	Serial #		
	Laboratory Nan		Laboratory Location				
	Recovery Com	nents: AF	7= 31@61 corrected to 30 @ 60				
	Recovery Com	ments: AF	№ 31@61 corrected to 30 @ 60				
	Recovery Com	ments: AF	₩ 31@61 corrected to 30 @ 60				
	Recovery Com	nents: AF	№ 31@61 corrected to 30 @ 60				
	Recovery Com	nents: AF	₩ 31@61 corrected to 30 @ 60				
	Recovery Com	nents: AF	№ 31@61 corrected to 30 @ 60				
	Recovery Com	nents: AF	₩ 31@61 corrected to 30 @ 60				
	Recovery Com	nents: AF	№ 31@61 corrected to 30 @ 6(
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Trilobite Testing, Inc

Ref. No: 59152

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