

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1053379

Form ACO-1 June 2009 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 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: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Fee Multiple Stage Cementing Collar Used? Yes If yes, show depth set: Fee If Alternate II completion, cement circulated from: feet depth to: w/sx cm
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #: SWD Permit #:	Lease Name: License #:
Swb Permit #. ENHR Permit #:	Quarter Sec TwpS. R East Wes
GSW Permit #:	County: Permit #:
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date	

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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Side Two	1053379
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No	L	-	n (Top), Depth an	d Datum Top	Sample
Samples Sent to Geolog	jical Survey	Yes No	1 dan			iop	Datam
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<pre> Yes No Yes No Yes No</pre>					
List All E. Logs Run:							
		CASING		ew Used			
		Report all strings set	-conductor, surface, inte	ermediate, producti	on, 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 / SQUEEZE RECORD

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

Shots Per Foot		PERFORATION Specify For		RD - Bridge P Each Interval I		e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	:e:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed P	Producti	on, SWD or ENHF	₹.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit A	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subr	nit ACO	-18.)		Other (Specify)						

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Kansas Feed Yards 1-21
Doc ID	1053379

All Electric Logs Run

CDL/CNL/PE
MEL
SONIC
DIL

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Kansas Feed Yards 1-21
Doc ID	1053379

Tops

Name	Тор	Datum
Heebner	3793	-937
Lansing	3831	-975
Stark Sh	4104	-1248
Hushpuckney	4140	-1284
Base KC	4190	-1334
Marmaton	4231	-1375
Pawnee	4300	-1444
Ft. Scott	4327	-1471
Cherokee Sh	4343	-1487
Johnson	4416	-1560
Morrow	4453	-1597
Basal Penn	4462	-1606
Mississippian	4495	-1639

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802

Thomas E. Wright, Chairman Ward Loyd, Commissioner



phone: 316-337-6200 fax: 316-337-6211 http://kcc.ks.gov/

Corporation Commission

Sam Brownback, Governor

May 20, 2011

Jay Schweikert Lario Oil & Gas Company 301 S MARKET ST WICHITA, KS 67202-3805

Re: ACO1 API 15-109-20999-00-00 Kansas Feed Yards 1-21 SW/4 Sec.21-15S-32W Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Jay Schweikert



Voice: (785) 483-3887

Fax: (785) 483-5566

May 8, 2011

Bill To:
Lario Oil & Gas Co.
P.O. Box 1093
Lario Oil & Gas Co. P.O. Box 1093 Jardin City Ks 6 7846



Invoice Number: 126872 Invoice Date: Apr 13, 2011 Page: 1

Federal Tax 1.D.#: 20-5975804 Oniting AFE 11-106 4-24-11 415

CustomerID	Well Name# or Customer P.O.	Payment	Terms
Lario	KansasFeedYards#1-21	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Apr 13, 2011	5/13/11

Quantity	item	Description	Unit Price	Amount
420.00	MAT	Lightweight Class A	14.04	5,896.80
105.00	MAT	Flo Seal	2.50	262.50
420.00	SER	Handling - Production Top Stage	2.40	1,008.00
25.00	SER	Mileage 420 sx @.10 per sk per mi	42.00	1,050.00
1.00	CEMENTER	Larene Wentz		
1.00	CEMENTER	Andrew Forslund		
1.00	OPER ASSIST	Darrin Racette		
1.00	OPER ASSIST	Earl Rebarchek		
			Acct Expl File GC KG HY PV JS KF OD	GV SF DM
ALL PRICES	ARE NET, PAYA	BLE Subtotal		8,217.30
30 DAYS FC	OLLOWING DATE	OF Sales Tax		449.63
	1 1/2% CHARGE ER. IF ACCOUNT			8,666.93
	TAKE DISCOUNT			
\$ /643 _ONLY IF PA	······································	TOTAL		8,666.93

ALLIED CEMEN Federal Tax I.C		LC. 043335
REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665	SERV	ICE POINT: Dakley ko
DATE $d/ 13 32$	ALLED OUT ON LOCATION	JOB START JOB FINISH
<u>LEASE Vards Well # 1-21 LOCATION of Klay S</u> OLD OR NEW (Circle one) $X_2 5 \ \omega \ int$	5 to Kaystone Gallery	COUNTY STATE Logan Ks
CONTRACTOR $Uc/ # 4$ TYPE OF JOB $\rho/ccl ccfrom 7 = 5foge$ HOLE SIZE 778 T.D. CASING SIZE $4Y_2$ " DEPTH $4857-2K$ TUBING SIZE DEPTH DRILL PIPE DEPTH TOOL DU DEPTH 2284 PRES. MAX MINIMUM MEAS. LINE SHOE JOINT 22.47 CEMENT LEFT IN CSG. 32.47 PERFS. DISPLACEMENT 32.47 EQUIPMENT PUMP TRUCK CEMENTER $46me/Andrew$ # 43/ HELPER $parrenBULK TRUCK$	OWNER <u>Same</u> CEMENT AMOUNT ORDERED <u>422</u> <u>4</u> F <u>f</u> <u>6</u> Sea 1 COMMON POZMIX GEL CHLORIDE ASC <u>LITE</u> <u>4205</u> KS <u>-16-Sea1</u> <u>105</u> Z	@ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @_ @
# <u>375/287</u> DRIVER Ear/ BULK TRUCK # DRIVER	HANDLING 420 3KS MILEAGE 104 SK carlo	@ @ @ <u>7,40</u> 7008.0 /0500
REMARKS: plug rathole - 30 s/cs plug nousehole - 20 s/cs Max 370 s/cs Lite - release plug Calisplace water - 32,47 bb1 plug landed 1500 F pressure Subsh pump & lows clean cement dial Civcu late Man front	DEPTH OF JOB DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE Z.5 cm, Lus	(2.84 .K
	MANIFOLD	
CHARGE TO: <u>Laris Oil & Gas</u> STREET <u>Box 1093</u> CITY Gordon City STATE KS ZIP 67846		
		@
STREET <u>Box</u> 1093 CITY <u>Corden City</u> STATE <u>KS</u> <u>ZIP</u> 67846 To Allied Cementing Co., 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	MANIFOLD PLUG & FLOAT Bid wor た 8217.30	@
STREET <u>Box</u> 1093 CITY <u>Coorden City</u> STATE <u>KS</u> <u>ZIP</u> 67846 To Allied Cementing Co., 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	PLUG & FLOAT	@



Voice: (785) 483-3887 Fax: (785) 483-5566

Bill To: Lario Oil & Gas Co. P. D. Box 1093 Garden City, Ks 67846

INVOICE

Invoice Number: 126871 Invoice Date: Apr 12, 2011 Page: 1

Federal Tax I.D.#: 20-5975804

Drilling AFE 11. 106 4=24-11 LK

Customer ID	Well Name/# or Customer P.O.	Payment	Terms
Lario	KansasFeedYards#1-21	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Apr 12, 2011	5/12/11

Quantity	ltem	1.50 geo.655 stir.	Description	Unit Price	Amount
150.00	MAT	ASC Cla	ss A	18.60	2,790.00
750.00	MAT	Gilsonite		0.89	667.50
500.00	MAT	WFR-2		1.27	635.00
150.00	SER	Handling		2.40	360.00
25.00	SER	Mileage	150 sx @.10 per sk per mi	15.00	375.00
1.00	SER	Productio	on - Bottom Stage	2,011.00	2,011.00
25.00	SER	Pump Tr	uck Mileage	7.00	175.00
1.00	EQP	4.5 AFU	Float Shoe	206.00	206.00
9.00	EQP	4.5 Turbo	olizers	39.00	351.00
1.00	EQP	4.5 Latch	Down Plug	144.00	144.00
1.00	EQP	4.5 Bask	et	147.00	147.00
1.00	EQP	4.5 D V 1	Γοοί	4,219.00	4,219.00
1.00	CEMENTER	Larene V	Ventz		
1.00	CEMENTER	Andrew	Forslund		
1.00	OPER ASSIST	Darrin Ra	acette	, 1/1	
1.00	OPER ASSIST	Earl Reb		ويستعد المستعل المستعد والمراجع والمراجع المستعد المستعد المستعد المستعد المستعد المستعد المستعد المستعد المست	OK TO/FAY
1.00	OPER ASSIST	Jerry Yal	es Ad		
					DB_
					/ MM
			P	VIS KF G	V SF DM
ALL PRICES	ARE NET, PAYAL	BIF	Subtotal		12,080.50
30 DAYS FC	LLOWING DATE	OF	Sales Tax		668.64
	1 1/2% CHARGEL		Total Invoice Amount		12,749.14
	ER. IF ACCOUNT TAKE DISCOUNT		Payment/Credit Applied		
		01	TOTAL		12,749.14
\$ 2416	<u></u>				
al en		20			
	ID ON OR BEFOF 7, 2011	\ <u>-</u>			

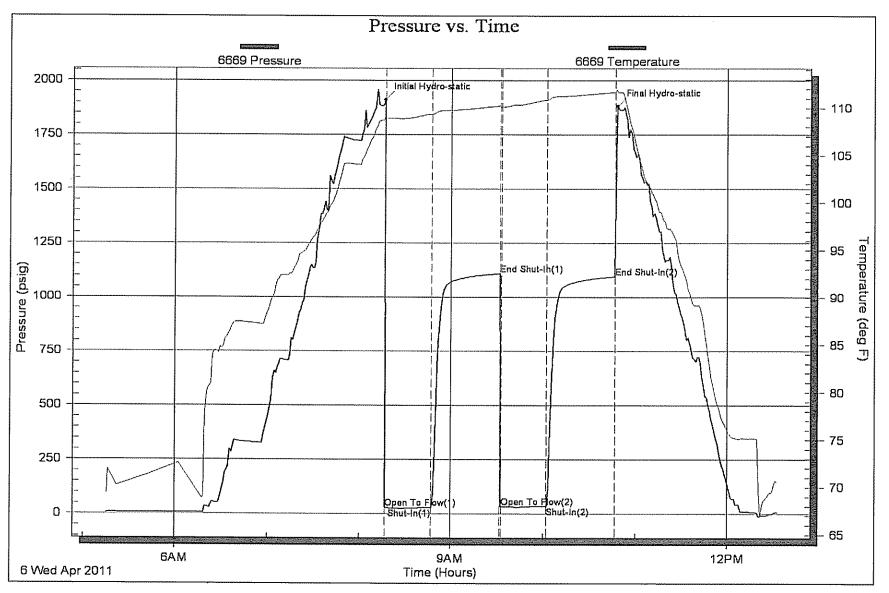
ALLIED CEMENTING CO., LLC. 043334 Federal Tax I.D.# 20-5975804 REMIT TO P.O. BOX 31 SERVICE POINT: RUSSELL, KANSAS 67665 DaKle, Ks SEC. 21 DATE 4-12-11 TWP. RANGE CALLED OUT ON LOCATION JOB START ЈОВ **Г**ІМЪН Laugas Feed STATE COUNTY 1-21 LOCATION Dalder to b of Keystone Galle WELL# 390 LEASE ands OLD OR NEW Circle one) Winto Ual #4 **CONTRACTOR** Same OWNER TYPE OF JOB Dro duet Bottom Stage 160 HOLE SIZE CEMENT <u>T.D.</u> AMOUNT ORDERED 1505KS ASC 102 Jult 4587.24 CASING SIZE <u>DEPTH</u> 3 9 gilson i Fe 500 an 1 **TUBING SIZE** 270 9 21 <u>DEPTH</u> DRILL PIPE <u>DEPTH</u> J. 2284. TOOL DEPTH PRES. MAX <u>MINIMUM</u> COMMON @ MEAS. LINE 22.5+ SHOE JOINT POZMIX @ CEMENT LEFT IN CSG. 22 45/5 GEL @ PERFS. CHLORIDE @ GISonita Galt DISPLACEMENT 72.56 40,0 32,56 mud. 2790.00 8.60 ASC @ EQUIPMENT 750 @ @ WFR 5009a @ CEMENTER LaLene / Andrew **PUMP TRUCK** 431 @ HELPER Damen # ര BULK TRUCK 394/287 @ Earl DRIVER @ BULK TRUCK 404 DRIVER JErry @ 2,40 360.00 HANDLING 150 SK @ MILEAGE 104 mil sk _ 375.00 **REMARKS:** TOTAL 4827,50 0 unpol SOUgal WFR2 ed 15051 nix SERVICE Was ked Diemod. released start displacement **DEPTH OF JOB** 4587.24 66 32 PUMP TRUCK CHARGE mud 2 4 4 2.00 7/52 EXTRA FOOTAGE @ ã7 MILEAGE 25mj 7.00 @ 75,00 200.00 MANIFOLD head @ hight Uchicle mileays 4.00 @ @ CHARGE TO: Lario Dil VGas Co STREET Box 1093 TOTAL 2186,00 CITY Garden City STATE KS ZIP_67846 PLUG & FLOAT EQUIPMENT 41/2 106.00 FUR Float Shoe @ Levbolizers 37.00 <u>351.00</u> @ hatcholown Plug To Allied Cementing Co., LLC. 144.00 @ You are hereby requested to rent cementing equipment (ω) best 17:00 @ \mathcal{U} and furnish cementer and helper(s) to assist owner or 21200 @ contractor to do work as is listed. The above work was Bid Work TOTAL 506200 done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL SALES TAX (If Any). TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES PRINTED NAME Larry Karlin IF PAID IN 30 DAYS DISCOUNT _____ SIGNATURE _____ Karlo AFE 11-094

	DRILL STEM TES	TREP	ORT				
RILOBITE -	Lario Oil and Gas		Kan	sas Fe	ed Yards		
ESTING , INC	301 S. Market St.		21/1	5/32/ L	ogan KS		
	Wichita KS 67202		Job T	ïcket: 04	12170	DST#:1	
MOR .	ATTN: Tim Lauer		Test S	Start: 20	011.04.06 @	05:15:15	
GENERAL INFORMATION:	· · · · · · · · · · · · · · · · · · ·						
Formation:LansingLansingDeviated:NoWhipstock:Time Tool Opened:08:16:30Time Test Ended:12:33:00	ft (KB)		Test Teste Unit N	er:	Conventiona Mike Roberts 48	ll Bottom Hol s	e
Interval: 3914.00 ft (KB) To 39 Total Depth: ft (KB) (TV Hole Diameter: 7.88 inches Hole	′D)		Refer		evations: o GR/CF:	2858.00 2848.00 10.00	ft (CF)
							••
Press@RunDepth:33.83 psigStart Date:2011.04.06Start Time:05:15:15	End Date: End Time:	2011.04.06 12:33:00	Capacity: Last Calib.: Time On Bt Time Off B	tm 1	2011.04.06 (2011.04.06 (-	psig
TEST COMMENT: IF:Built to weak s IS:No return blow FF:No blow FS:No return blow		25					
Pressure vz. Ti			PRE	ESSUF	E SUMM	ARY	
	Transmission CTU Internation TO Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmission Transmiss	Time (Min.) 0 1 31 76 77 106 151 152	(psig) (1911.17 28.40 26.59 1107.99 32.04 33.83 1093.56	110.02 110.84 111.67	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	o-static ow (1) n(1) ow (2) n(2)	
Recovery				Gas	Rates		
Length (ft) Description 30.00 m 100%	Volume (bbl) 0.15			Choke (ir	ches) Pressur	e (psig) Gas	Rate (Mcl/d)
Trilobite Testing, Inc	Ref. No: 042170			Printed: 1		@ 12:56:31	Page 1

1 N 21 - 495 11	RILOBITE	DRI	LL STEM TEST REPORT	Г	1	FLUID SU	MMARY
	Contract of the second s	Lario C)il and Gas	Kansas F	eed Yards		
	ESTING , INC		Market St. a KS 67202	21/15/32/ Job Ticket: (Logan KS	DST#:1	
		ATTN:	Tim Lauer		2011.04.06 @ 05		
Mud and C	ushion Information						
					~		
Mud Type: (Mud Weight:	9.00 lb/gal		Cushion Type: Cushion Length:	ft	Oil API:		leg API
Viscosity:	59.00 sec/qt		Cushion Colume:	bbl	Water Salinity:	U	mqc
Water Loss:	7.20 in ³		Gas Cushion Type:	001			
Resistivity:	0.00 ohm.m		Gas Cushion Pressure:	psig			
Salinity:	2000.00 ppm			P3			
Filter Cake:	1.00 inches						
Recovery I	nformation		**************************************				
			Recovery Table				
	Leng ft	th	Description	Volume bbl			
		30.00	m 100%	0.14	3		
	Total Length:	30	.00 ft Total Volume: 0.148 bbl	••••••••••••••••••••••••••••••••••••••	-		
	Num Fluid Sam	nles: 0	Num Gas Bombs: 0	Serial #	•		
	Laboratory Nar		Laboratory Location:	Jenar #	·•		
	Recovery Com						

Serial #: 6669 Outside Lario Oil and Gas

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 042170

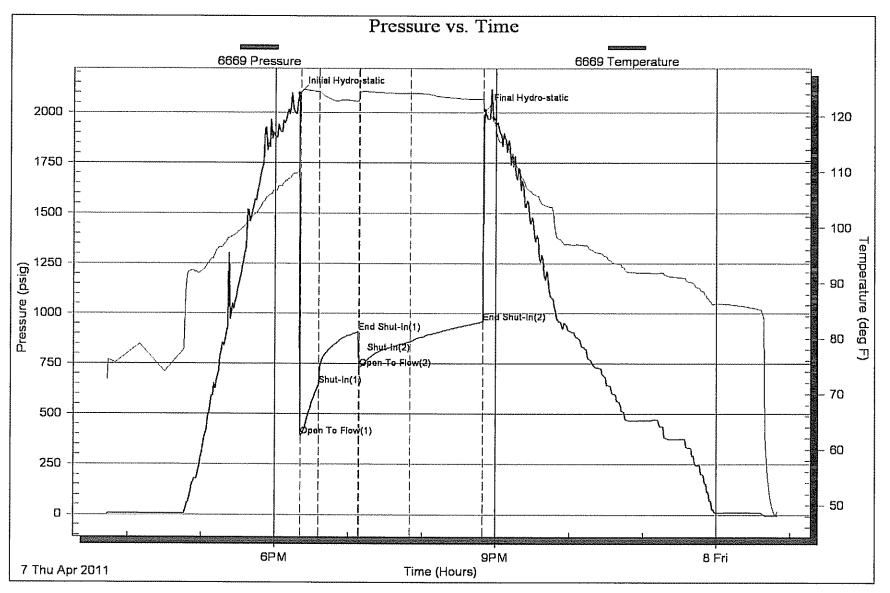
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	RILOBITE	DRILL STEM	+ t	· · · · · · · · · · · · · · · · · · ·				
		Lario Oil and Gas			Ka	insas Fe	ed Yards	
目目	ESTING , INC	301 S. Market St.			21	/15/32/ L	.ogan KS	
		Wichita KS 67202			Jol	o Ticket: 0	42171	DST#:2
ing gyn		ATTN: Tim Lauer			Tes	st Start: 2	011.04.07 @	15:43:15
GENERAL	- INFORMATION:							
-	Lansing No Whipstock pened: 18:20:45 nded: 00:49:45	ft (KB)			Tes	ster:	Conventiona Mike Roberts 48	ll Bottom Hole S
Interval: Total Depth: Hole Diamete					Ref	ference B	evations: to GR/CF:	2858.00 ft (KB) 2848.00 ft (CF)
						~B		10.00 ft
Serial #: Press@Runl Start Date: Start Time:		@ 4174.00 ft (KB) End Date: End Time:		2011.04.08 00:49:45	Capacity Last Cal Time On Time Off	ib.: Btm	2011.04.07 (2011.04.07 (=
	MMENT: IF:BOB in 30 sec IS:No return blow FF:BOB in 2 min. FS:No return blow	v		r				
	Pressure vs. T	9231		L			RE SUMM/	
2100			Ì	(Min.)	Pressure (psig)	Temp (deg F)	Annotatio	n
ł	W I I I	4	<u></u>	0	2093.49		Initial Hydro	-static
C30			- 10	2	393.63		Open To Fl	ow (1)
<u> </u>				16	645.62		Shut-In(1)	14
			i Jan	49 50	910.20 730.43		End Shut-In Open To Flu	
			B B	91	858.94		Shut-In(2)	JW (2)
				151	959.08	123.09		(2)
			- αυ	152	2010.40	120.28	Final Hydro	-static
ت <u></u> العامية 191	gonat Tarre (Helands)	luni i nat £fri	1					
	Recovery						s Rates	
Length (ft)	Description	Volume (bbl)	- T			Choke (in		e (psig) Gas Rate (Mct/d
	free oil	1.74	-	L		1		
124.00	gcow m 5%g 20%o 35%v							
124.00 372.00			-					
	gcmow 5%g 5%m 20%o	70%w 1.74						
372.00	gcmow 5%g 5%m 20%o sw 100% w	70%w 1.74 24.35						
372.00 124.00								

(Ch)	T RILOBITE	DRI	LL STEM TEST REPO	DRT	F	LUID SUMMARY
)il and Gas	Kansas	Feed Yards	
	ESTING , INC	0010.	Market St. a KS 67202	21/15/32 Job Ticket	/ Logan KS	DST#: 2
		ATTNE	ATTN: Tim Lauer			
ulted it :				iest otait.	2011.04.07 @ 15	.43.15
	shion Information					
Mud Type: Ge			Cushion Type:		Oil API:	34 deg API
Mud Weight: Viscosity:	9.00 lb/gal 59.00 sec/qt		Cushion Length: Cushion Volume:	ft bbl	Water Salinity:	18000 ppm
Water Loss:	7.18 in ^a		Gas Cushion Type:	וטט		
Resistivity:	0.00 ohm.m		Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm			F - 3		2
Filter Cake:	1.00 inches					
Recovery In	formation					·····
	\$*****		Recovery Table			
	Len		Description	Volume bbl		
		124.00	free oil	1.7	30	
		372.00	gcow m 5%g 20%o 35%w 40%m	5.2		
		124.00	gcmow 5%g 5%m 20%o 70%w	1.7		
		1736.00	sw 100% w	24.3	152	
	Total Length:	2356	.00 ft Total Volume: 33.048	3 bbl		
	Num Fluid San	iples:0	Num Gas Bombs: 0	Serial	1#.	
	Laboratory Na		Laboratory Location:			
	Recovery Con		V≕ .54@50.2*=18,000 ppm			
		A	7⊨ 34 @60*			

Serial #: 6669 Outside Lario Oil and Gas

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 042171

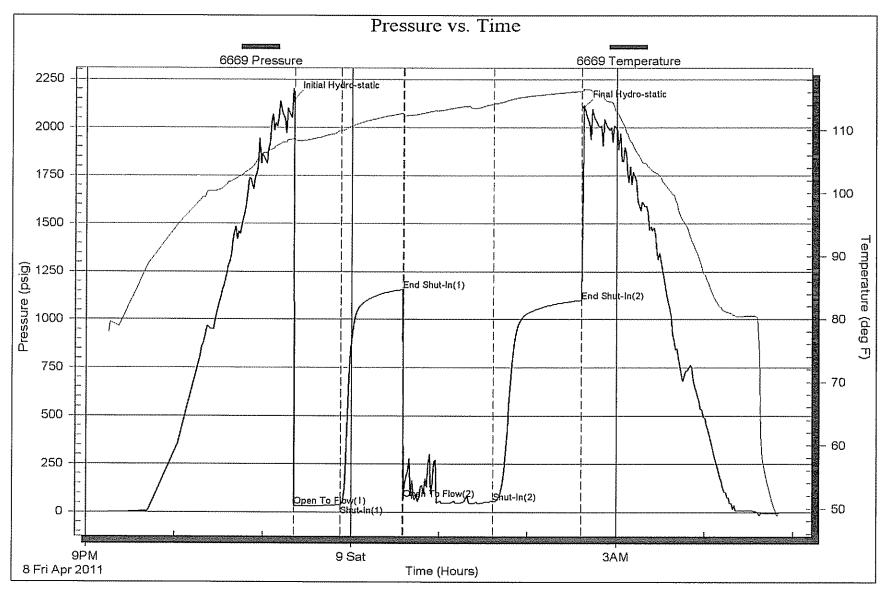
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	DRILL STEM TE	ST REP	ORT	нин ни на
RILOBITE	Lario Oil and Gas		Kansa	s Feed Yards
ESTING , INC	301 S. Market St. Wichita KS 67202		21/15/3	32/ Logan KS
	WICHITA KS 6/202		Job Tick	et 042172 DST#:3
	ATTN: Tim Lauer		Test Sta	rt: 2011.04.08 @ 21:15:15
GENERAL INFORMATION:				
Formation: Pawnee Deviated: No Whipstock Time Tool Opened: 23:21:15 Time Test Ended: 04:50:30	ft (KB)		Test Typ Tester . Unit No:	e: Conventional Bottom Hole Mike Roberts 48
Interval: 4266.00 ft (KB) To 43			Reference	ce Bevations: 2858.00 ft (KB)
Total Depth:4340.00 ft (KB) (TVHole Diameter:7.88 inchesHole				2848.00 ft (CF) KB to GR/CF: 10.00 ft
Serial #: 6669 Outside			<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	
Press@RunDepth: 53.17 psig (Start Date: 2011.04.08	2 4335.00 ft (KB) End Date:	0044.07.05	Capacity:	8000.00 psig
Start Time: 21:15:15	End Time:	2011.04.09 04:50:30	Last Calib.: Time On Btm	2011.04.09 2011.04.08 @ 23:20:45
			Time Off Btm	2011.04.09 @ 02:37:30
TEST COMMENT: F:Built to 1" blow				
IS:No return blow FF:Built to w eak s	urface blow			
FS:No return blow	,			
Prezoure vz. Tis			PRES	SURE SUMMARY
		Time (Min.)	Pressure Ter (psig) (deg	·
		0	2147.87 108	3.96 Initial Hydro-static
		1		3.50 Open To Flow (1) 9.94 Shut-h(1)
		74	1156.34 112	2.70 End Shut-In(1)
		75 136		2.40 Open To Flow (2)
				1.18 Shut-In(2) 5.19 End Shut-In(2)
		197		5.53 Final Hydro-static
	m*D			
gray D Sar In Am 2015 Trac (Head)	344			
Recovery				Gas Rates
Length (ft) Description	Volume (bbl)		7	ole (inches) Pressure (psig) Gas Rate (Midid)
62.00 mud with oil spots	0.87	[L	l	
<u> </u>				

TON TE	RILOBITE	DRILL	STEM TEST RE	PORT			FLUID S	SUMMAR
	A 1 100 100 100 100 100 100 100 100 100	Lario Oil ai	nd Gas		Kansas Fo	eed Yards		
	ESTING , INC				21/15/32/	Logan KS		
		Wichita KS	67202		Job Ticket: (42172	DST#:3	
		ATTN: Ti	n Lauer		Test Start: 2	2011.04.08 @ 2	21:15:15	
lud and Cushi	on Information	,					********	
/ud Type: Gel Ch			Cushion Type:			Oil APt:		0 deg API
/ud Weight: /iscosity:	9.00 lb/gal 56.00 sec/qt		Cushion Length: Cushion Volume:		ft bbl	Water Salinity:	:	0 ppm
Vater Loss:	9.77 in ³		Gas Cushion Type:		וטט			
esistivity:	0.00 ohm.m		Gas Cushion Pressure:		psig			
alinity: 29 ilter Cake:	900.00 ppm 1.00 inches							
Recovery Inform	mation							
			Recovery Table					
	Leng ft		Description		Volume bbl			
		62.00 m	ud with oil spots		0.870	1		
	Total Length:	62.00	ft Total Volume: (0.870 bbi		-		
	Num Fluid Sam	ples: 0	Num Gas Bombs: 0		Serial #	•		
	•					•		
	Laboratory Nar Recovery Com		Laboratory Location:					
			Laboratory Location:					
			Laboratory Location:					
			Laboratory Location:					
			Laboratory Location:					
			Laboratory Location:					
			Laboratory Location:					
			Laboratory Location:					
			Laboratory Location:					
			Laboratory Location:					
			Laboratory Location:					
			Laboratory Location:					

Serial #: 6669 Outside Lario Oil and Gas

DST Test Number: 3



Trilobite Testing, Inc

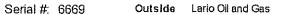
Ref. No: 042172

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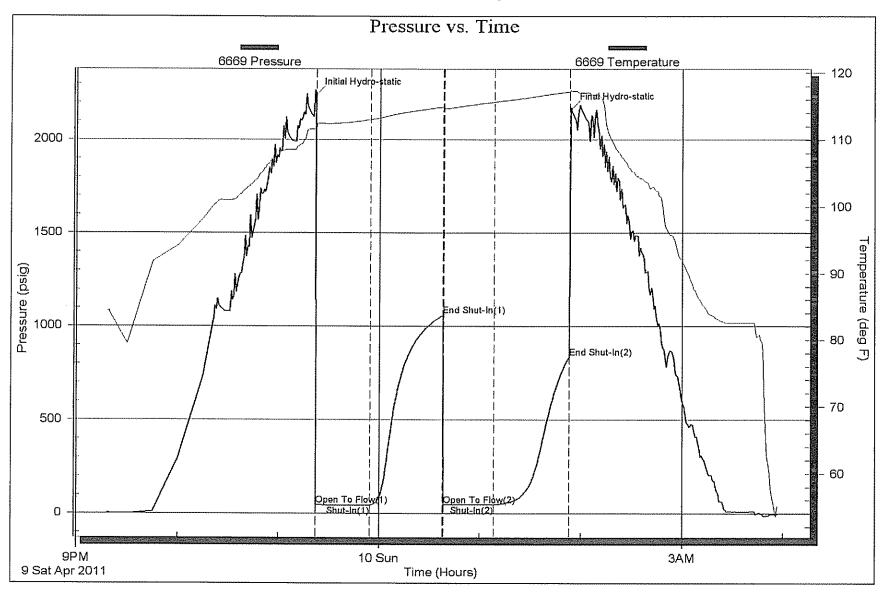
	DRILL STEM TES	ST REP	ORT			
RILOBITE	Lario Oil and Gas		Kansas	Feed	Yards	
ESTING , INC	301 S. Market St. Wichita KS 67202		21/15/3	-		
				t 04217:		T#:4
"NHAET"	ATTN: Tim Lauer		Test Star	t: 2011.0	4.09 @ 21:18:	15
GENERAL INFORMATION:						
Formation:CherokeeDeviated:NoWhipstockTime Tool Opened:23:22:00Time Test Ended:03:56:30	ft (KB)		Test Type Tester: Unit No:		entional Botton Roberts	n Hole
Interval:4370.00 ft (KB) To44Total Depth:4420.00 ft (KB) (TVHole Diameter:7.88 inchesHole	/D)		Referenc	e Bevatio KB to GR	2848	3.00 ft (KB) 3.00 ft (CF) 0.00 ft
Serial #: 6669 Outside Press@RunDepth: 46.15 psig Start Date: 2011.04.09 Start Time: 21:18:15 TEST COMMENT: F:Built to w eak s IS:No return blow F:No blow FS:No return blow FS:No return blow	End Date: End Time: urface blow	2011.04.10 03:56:30	Capacity: Last Calib.: Time On Btm Time Off Btm		8000 2011.04 04.09 @ 23:21 04.10 @ 01:53	:45
Pressure vs. Te	TDt		DREG		UMMARY	
	CCC Treventure Treventure CCC Treventure CCC Treventure CC	Time (Min.) 0 1 33 77 77 107 151 152	Pressure (psig) Ten (deg 2237.64 112 47.21 111 43.77 113 1058.46 114 47.08 114 46.15 115 833.40 117	p An F)	Inotation Il Hydro-static In To Flow (1) I-h(1) Shut-In(1) In To Flow (2)	
Piss Ari 2011 Terre (1146) Recovery				Gas Rat	es	
Length (ft) Description	Volume (bbl)		Съ	ke (inches)	Pressure (psig)	Gas Rate (Mctid)
2.00 free oil 30.00 m 100%	0.03 0.42					
Trilobite Testing, Inc	Ref. No: 042173	- 1. 00 stm- 144000 stm- 14			04.10 @ 18:55	-40 5

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	LOBITE	DRI	ILL STEM TEST F	REPORT		F	-LUID S	UMMAR
	199020	Lario C	Dil and Gas		Kansas Fe	ed Yards		
	ESTING , INC		Market St. a KS 67202		21/15/32/ Job Ticket: 0	-	DST#:4	
		ATTN:	Tim Lauer			011.04.09 @ 21		
Mud and Cushio								
Mud Type: Gel Che Mud Weight:	m 9.00 lb/gal		Cushion Type: Cushion Length:		ft	Oil API: Water Salinity:		0 deg API
	52.00 sec/qt		Cushion Volume:		bbl	water Sawnty.		0 ppm
Water Loss:	6.38 in ³		Gas Cushion Type:		55.			
Resistivity:	0.00 ohm.m		Gas Cushion Pressure	:	psig			
	0.00 ppm							
Filter Cake:	1.00 inches							
Recovery Inform	ation		N N 1					
	1	-	Recovery Table		-	т		
	Lengt ft	h	Description		Volume bbl			
		2.00	free oil		0.028			
		30.00	m 100%		0.421	+		
	Total Length:	32	2.00 ft Total Volume:	0.449 bbl				
	Num Fluid Samp	les: 0	Num Gas Bombs:	0	Serial #			
	Laboratory Nam		Laboratory Location	1:				
	Recovery Com	nents:						



DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 042173

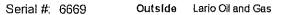
Printed: 2011.04.10 @ 18:55:20 Page 3

	DRILL STEM T	ES	TREP	ORT					
RILOBITE	Lario Oil and Gas	Ka	Kansas Feed Yards						
ESTING , INC	301 S. Market St. Wichita KS 67202			21/15/32/ Logan KS					
	WICHNER NO 01202			Job Ticket: 042174 DST#:5				F#:5	
	ATTN: Tim Lauer	ATTN: Tim Lauer			Test Start: 2011.04.10 @ 14:10:15				
GENERAL INFORMATION:							***		
Formation:Johnson-MorrowDeviated:NoWhipstock:Time Tool Opened:16:25:30Time Test Ended:22:50:00			Tes	ter:	Conventi Mike Rot 48	ional Bottom perts	Hole		
Interval:4422.00 ft (KB) To44Total Depth:4465.00 ft (KB) (ThHole Diameter:7.88 inchesHole				Ref	erence Br	evations: to GR/CF	2848	.00 ft(KB) .00 ft(CF) .00 ft	
Serial #: 6669 Outside Press@RunDepth: 203.55 psig Start Date: 2011.04.10 Start Time: 14:10:15	@ 4460.00 ft (KB) End Date: End Time:		2011.04.10 22:50:00	Capacity Last Cali Time On Time Off	b.: Btm :		8000 2011.04 10 @ 16:25 10 @ 20:27	:15	
TEST COMMENT: F:BOB in 18 min IS:Return blow b FF:BOB in 25 min FS:Return blow	ouilt to 1" n.								
Presture vz. Time			PRESSURE SUMMARY						
			Time (Min.)	Pressure (psig)	Temp (deg F)	Anno	tation		
		50	0	2223.40	109.62	Initial H	ydro-static		
		170	1	35.13	109.23	-	o Flow (1)		
		100	32 92	94.45 1158.75	111.26 117.45	}			
		Temps	92	103.48	117.17	1	o Flow (2)		
		emperatura H	153	203.55		Shut-In	(2)		
		(dag)F) B FX 53	241 242	1134.19 2114.23	124.09 122.24	End Shi Final Hy	ut-In(2) /dro-static		
0	۲ <u>۲</u> ۲۲ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰	B				2			
Recovery			Gas Rates						
Length (ft) Description	Volume (bbi)	Volume (bbi)			Choke (inches) Pressure (psig) Gas Rate (Mctid)				
a contraction of the second se			1		<u>.</u>	I		1	
0.00 GP= 280 feet	0.00								
	0.00								
0.00 GP= 280 feet 31.00 free oil 100%o	0.43								
0.00 GIP= 280 feet 31.00 free oil 100%o 62.00 gcmo 10%g 15%m 75%o	0.43								
0.00 GP= 280 feet 31.00 free oil 100%o 62.00 gcmo 10%g 15%m 75%o	0.43 0.87 6w 50%m 1.74								

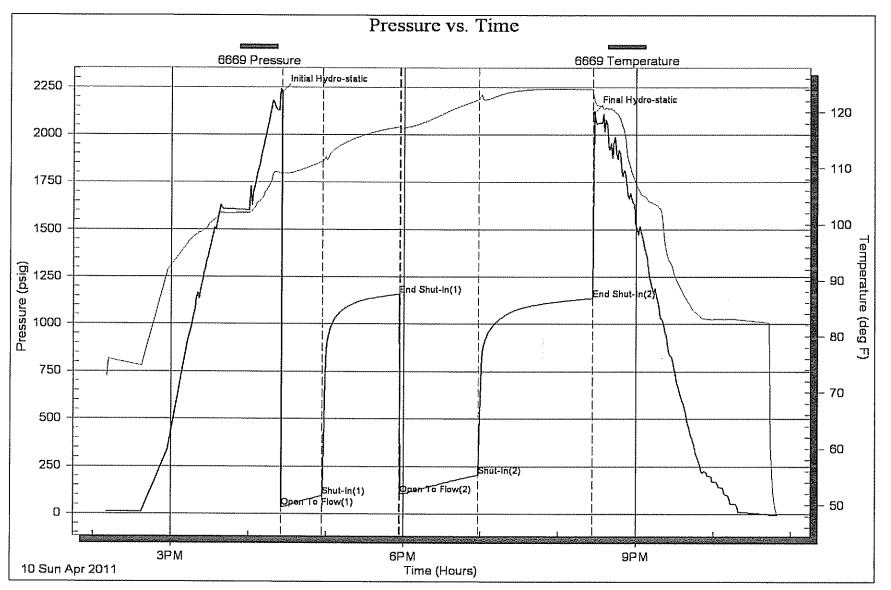
Trilobite Testing, Inc

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() In-		DR	DRILL STEM TEST REPORT FLUID SUMMARY							
RILOBITE		Di and Gas	Kansas F	eed Yards						
ESTING , IN		0010.	Market St. a KS 67202		21/15/32/ Logan KS					
			- <i>i</i>		Job Ticket: 042174 DST#:5					
		ATTN:	ATTN: Tim Lauer		Test Start: 2011.04.10 @ 14:10:15					
Mud and Cu	shion Informatio	n				······				
Mud Type: G	el Chem		Oushion Type:		Oil API:	25 deg API				
Mud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	15000 ppm				
Viscosity:	62.00 sec/qt		Cushion Volume:	bbl						
Water Loss:	6.38 in²		Gas Cushion Type:							
Resistivity:	0.00 ohmm		Gas Cushion Pressure:	psig						
Salinity:	3000.00 ppm									
Filter Cake:	1.00 inches									
Recovery In	formation									
			Recovery Table							
	Le	ength	Description	Volume	Ţ					
		ft		bbl						
		0.00	GIP= 280 feet	0.00	-1					
		31.00	free oil 100%o	0.43						
		62.00 124.00	gcmo 10%g 15%m 75%o	0.870	+					
		124.00	gocwm 10%g 10%o 30%w 50%m gowm 10%g 10%o 40%w 40%m	1.73						
		62.00	gomw 5%g 10%o 20%m 65%w	1.739						
	Total Length				1					
	_		· · · · · · · · · · · · · · · · · · ·							
	Num Fluid Sa		Num Gas Bombs: 0	Serial #	:					
	Laboratory I		Laboratory Location:							
	Recovery C		7=26 @70 corrected to 25 @60							
		R	№= .605@ 51.4*=15,000 ppm							



DST Test Number: 5



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Ref. No: 042174

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